

Valid from 1 March 2021



# SPARE PARTS 2021 / 22

A member of **SFS**

**GESIPA®**

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## LEGEND



Description

No.

Article no.



Position



Tool type



Mandrel diameter

# BLIND RIVET HAND TOOLS

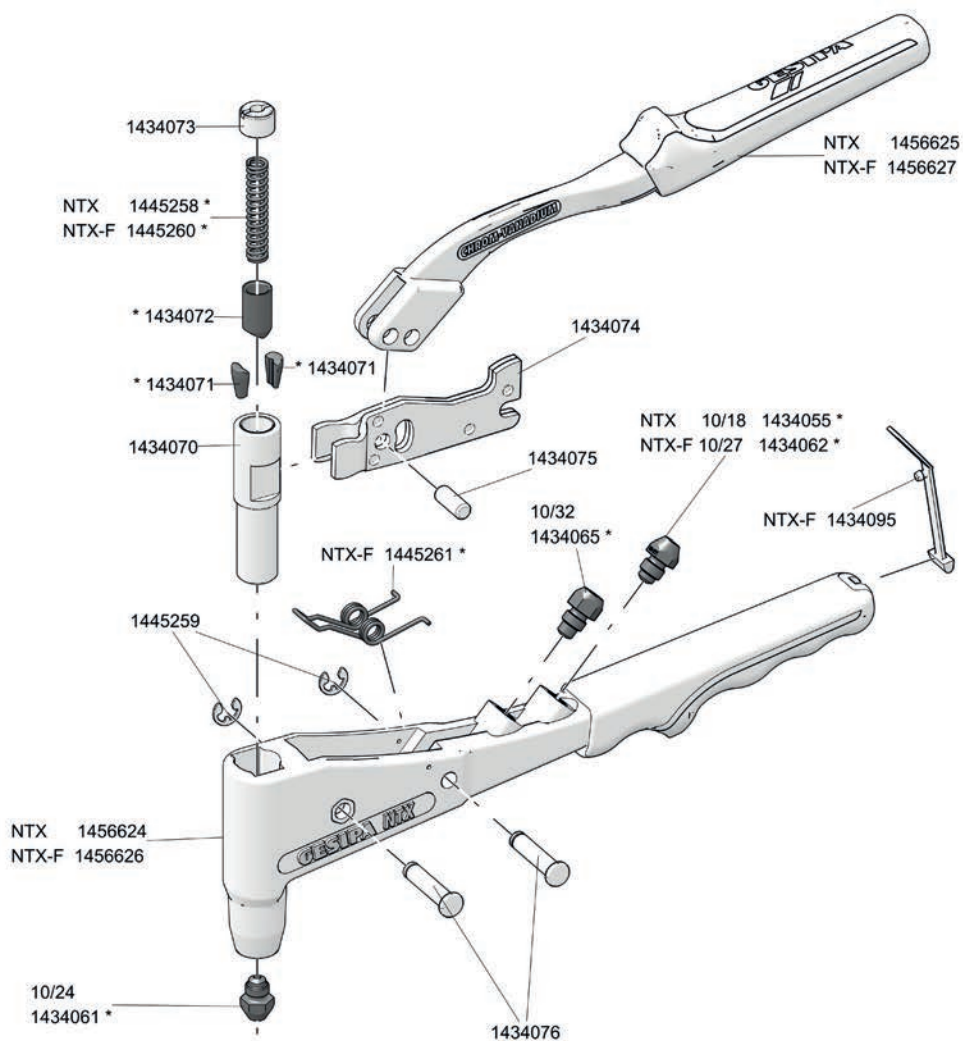
## NTX and NTX-F (with self opening spring)

| No.       |       |                                          |
|-----------|-------|------------------------------------------|
| 143 4055* | NTX   | Nosepiece 10/18                          |
| 143 4061* |       | Nosepiece 10/24                          |
| 143 4062* | NTX-F | Nosepiece 10/27                          |
| 143 4065* |       | Nosepiece 10/32                          |
| 143 4070  |       | Jaw housing                              |
| 143 4071* |       | Jaws (2-part)                            |
| 143 4072* |       | Jaw pusher                               |
| 143 4073  |       | Closure screw                            |
| 143 4074  |       | Lever                                    |
| 143 4075  |       | Bolt                                     |
| 143 4076  |       | Bolt                                     |
| 143 4095  | NTX-F | Strap                                    |
| 143 4241  |       | Hard jaws (2-part) for CAP® blind rivets |
| 144 5258* | NTX   | Compression spring                       |
| 144 5259  |       | Snap ring                                |
| 144 5260* | NTX-F | Compression spring                       |
| 144 5261* | NTX-F | Self opening spring                      |
| 145 6624  | NTX   | Tool housing with sleeve grip            |
| 145 6625  | NTX   | Tool shanks with sleeve grip             |
| 145 6626  | NTX-F | Tool housing with sleeve grip            |
| 145 6627  | NTX-F | Tool shanks with sleeve grip             |



You will find detailed nosepiece allocation tables on page 128.

### \* Wearing parts



\* Wearing parts



# BLIND RIVET HAND TOOLS

## Flipper®

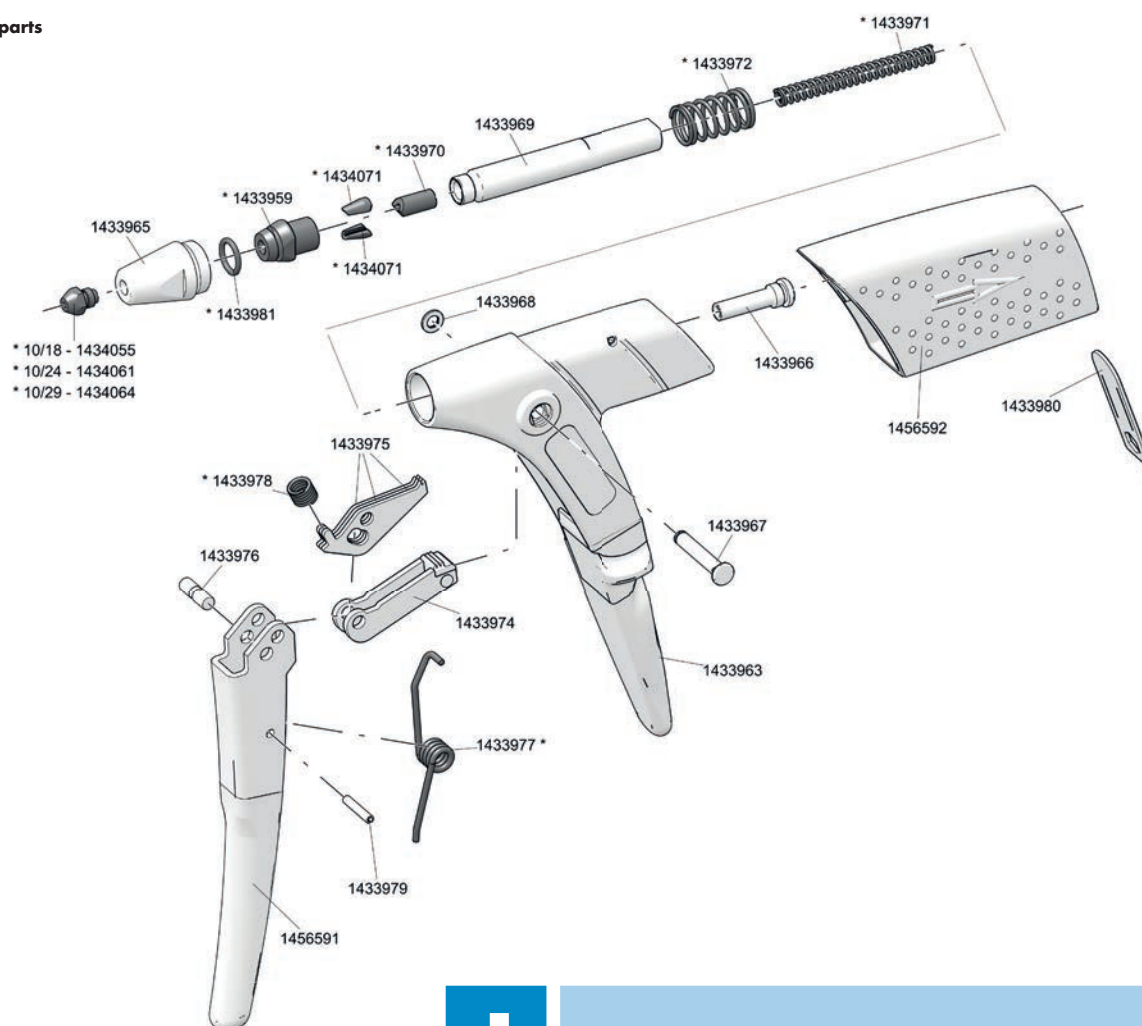
| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 3959* | Jaw housing                                                                       |
| 143 3963  | Housing with slide block, lever and grip                                          |
| 143 3965  | Head                                                                              |
| 143 3966  | Closure screw                                                                     |
| 143 3967  | Pivot bolt                                                                        |
| 143 3968  | Snap ring                                                                         |
| 143 3969  | Lock activator                                                                    |
| 143 3970* | Jaw pusher                                                                        |
| 143 3971* | Compression spring                                                                |
| 143 3972* | Return spring                                                                     |
| 143 3974  | Drive pawl                                                                        |
| 143 3975  | Storage finger (3-part) per set                                                   |
| 143 3976  | Bolt                                                                              |
| 143 3977* | Self opening spring                                                               |
| 143 3978* | Retaining spring                                                                  |
| 143 3979  | Spring dowel sleeve                                                               |
| 143 3980  | Maintenance wrench SW 10                                                          |
| 143 3981* | O-ring for jaw housing                                                            |
| 143 4055* | Nosepiece                                                                         |
| 143 4061* | Nosepiece                                                                         |
| 143 4064* | Nosepiece                                                                         |
| 143 4071* | Jaws (2-part) per set                                                             |
| 145 6591  | Betätigungshebel mit Stulpgriff                                                   |
| 145 6592  | Operating lever with sleeve grip                                                  |

### \* Wearing parts

## Changeover set for plastic blind rivets

|          | No.             |  |
|----------|-----------------|-------------------------------------------------------------------------------------|
| 10/30 K* | 143 4092        | Nosepiece                                                                           |
| 10/35 K* | 143 4093        | Nosepiece                                                                           |
| 10/40 K* | 143 4094        | Nosepiece                                                                           |
| 17 K*    | 143 4086        | Jaws (2-part) per set                                                               |
| 18 K     | 143 3982        | Jaw pusher                                                                          |
| 24 K     | 143 3983        | Closure screw                                                                       |
|          | <b>143 3984</b> | <b>Changeover set complete</b>                                                      |

### \* Wearing parts



### \* Wearing parts



You will find detailed nosepiece allocation tables on page 128.

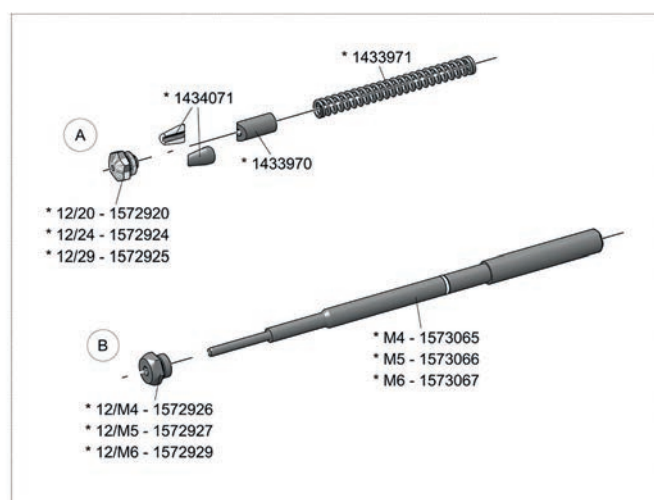
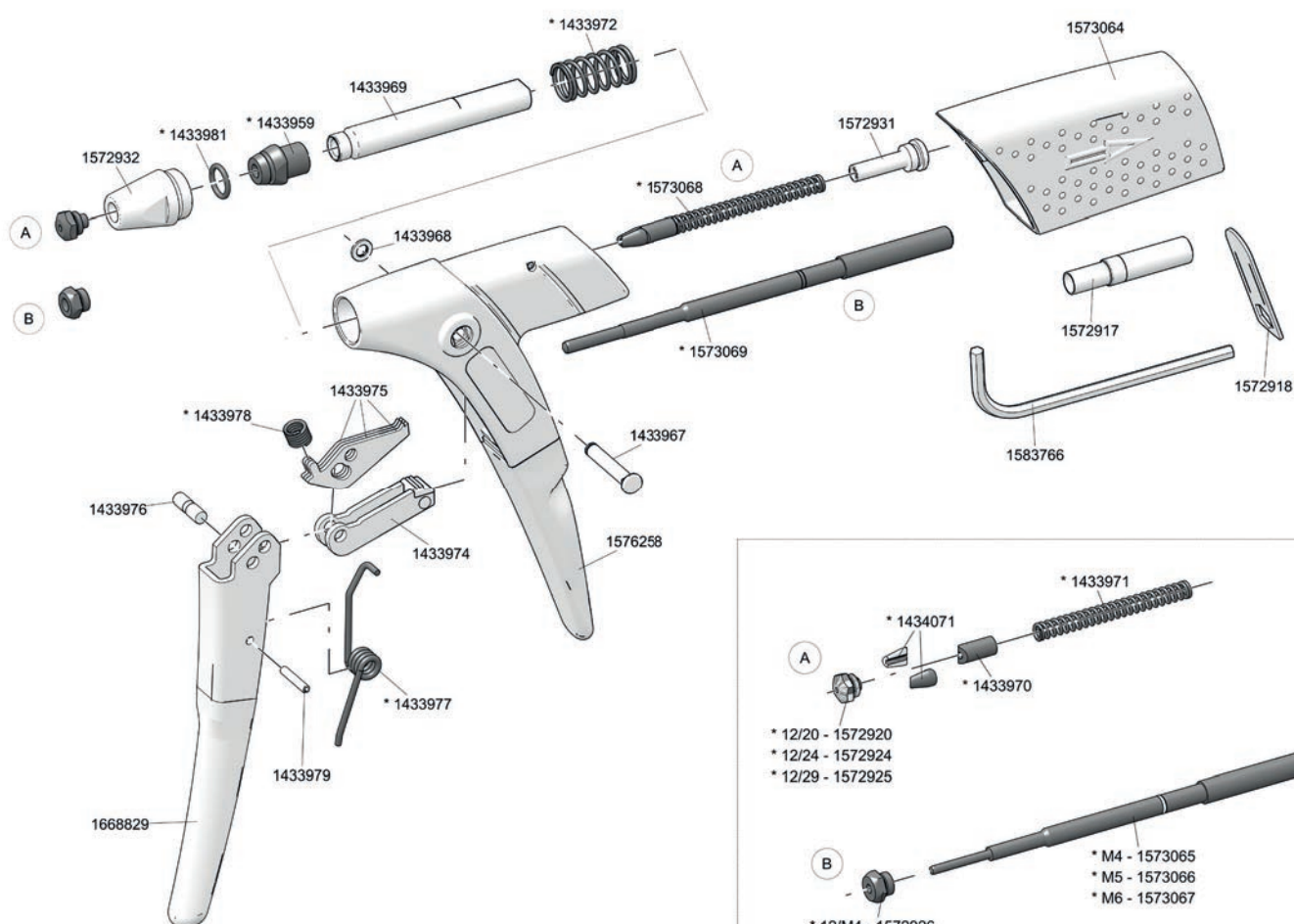
# BLIND RIVET HAND TOOLS

## Flipper® Plus

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 3959* | Jaw housing                                                                       |
| 143 3967  | Pivot bolt                                                                        |
| 143 3968  | Snap ring                                                                         |
| 143 3969  | Lock activator                                                                    |
| 143 3970* | Jaw Pusher                                                                        |
| 143 3971* | Compression spring                                                                |
| 143 3972* | Compression spring                                                                |
| 143 3974  | Drive pawl                                                                        |
| 143 3975  | Storage finger (3-part) per set                                                   |
| 143 3976  | Bolt                                                                              |
| 143 3977* | Self opening spring                                                               |
| 143 3978* | Retaining spring                                                                  |
| 143 3979  | Spring dowel sleeve                                                               |
| 143 3981* | O-ring                                                                            |
| 143 4071* | Jaws [2-part]                                                                     |
| 157 2917  | Assembly aid                                                                      |
| 157 2918  | Assembly key                                                                      |

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 157 2920* | Nosepiece 12/20                                                                   |
| 157 2924* | Nosepiece 12/24                                                                   |
| 157 2925* | Nosepiece 12/29                                                                   |
| 157 2926* | Nosepiece M4                                                                      |
| 157 2927* | Nosepiece M5                                                                      |
| 157 2929* | Nosepiece M6                                                                      |
| 157 2931  | Closure screw                                                                     |
| 157 2932  | Steel head sleeve                                                                 |
| 157 3064  | Spent mandrel container                                                           |
| 157 3065* | Draw bar M4                                                                       |
| 157 3066* | Draw bar M5                                                                       |
| 157 3067* | Draw bar M6                                                                       |
| 157 3068* | Jaw mechanism                                                                     |
| 157 3069* | Jaw mechanism                                                                     |
| 157 6258  | Housing with slide block, lever and grip                                          |
| 158 3766  | Hexagon key                                                                       |
| 166 8829  | Actuating lever                                                                   |

### \* Wearing parts



You will find detailed nosepiece allocation tables on page 128.

\* Wearing parts

# BLIND RIVET HAND TOOLS

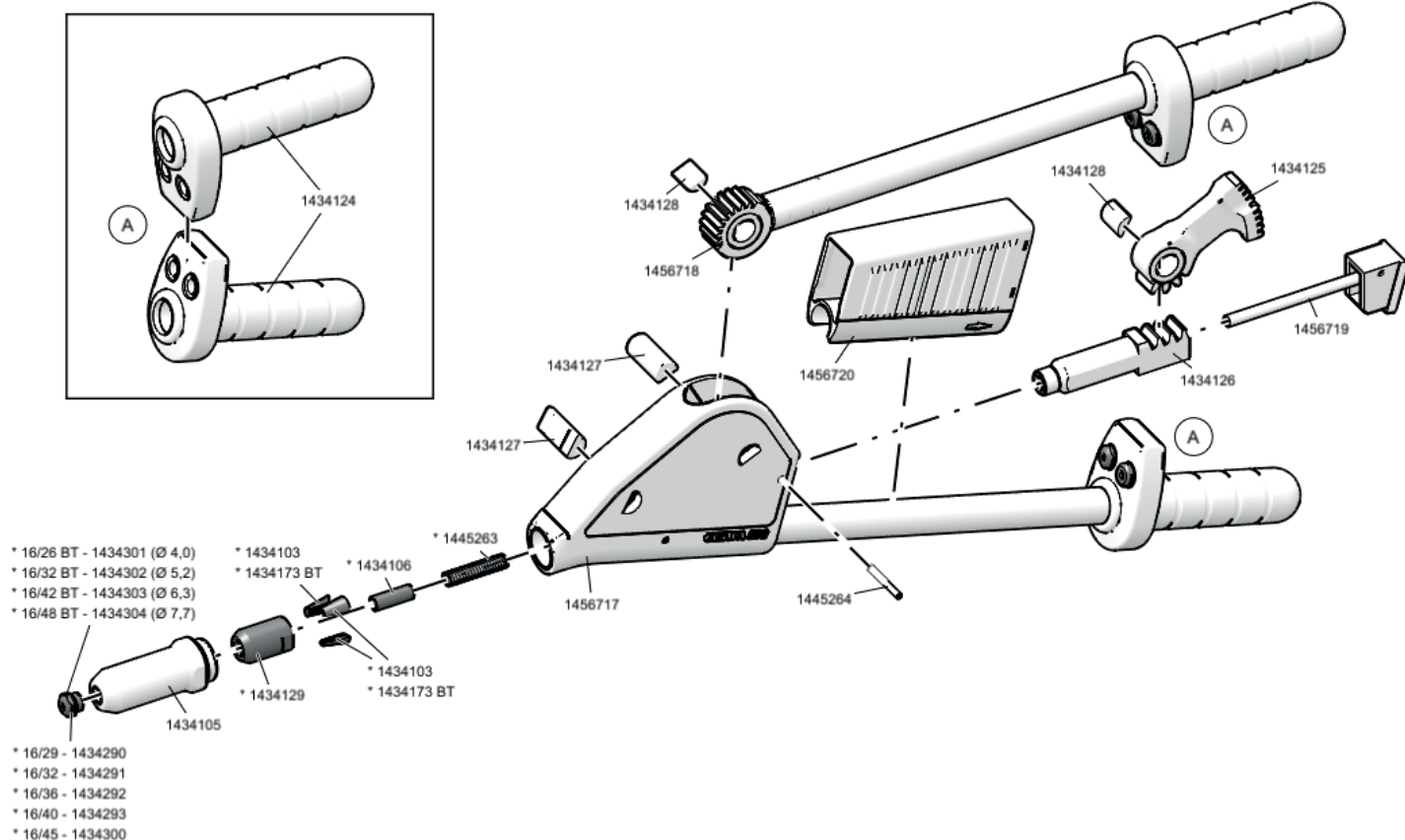
## HN 2 / HN 2-BT (only for BULB-TITE®)

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4103* | Jaws (3-part) per set                                                             |
| 143 4105  | Head                                                                              |
| 143 4106  | Jaw pusher                                                                        |
| 143 4124  | Grip                                                                              |
| 143 4125  | Transmission segment                                                              |
| 143 4126  | Gear rack                                                                         |
| 143 4127  | Bolt                                                                              |
| 143 4128  | Safety bolt                                                                       |
| 143 4129* | Jaw housing                                                                       |
| 143 4173* | Jaws BT                                                                           |
| 143 4290* | Nosepiece 16/29                                                                   |
| 143 4291* | Nosepiece 16/32                                                                   |
| 143 4292* | Nosepiece 16/36                                                                   |
| 143 4293* | Nosepiece 16/40                                                                   |
| 143 4300* | Nosepiece 16/45                                                                   |
| 143 4301* | Nosepiece for 4 mm Ø BULB-TITE® rivets                                            |
| 143 4302* | Nosepiece for 5.2 mm Ø BULB-TITE® rivets                                          |
| 143 4303* | Nosepiece for 6.3 mm Ø BULB-TITE® rivets                                          |
| 143 4304* | Nosepiece for 7.7 mm Ø BULB-TITE® rivets                                          |
| 144 5263* | Compression spring                                                                |
| 144 5264  | Cylinder pin                                                                      |
| 145 6717  | Housing with lever and grip                                                       |
| 145 6718  | Operating lever with pinion and grip                                              |
| 145 6719  | End block with guide tube                                                         |
| 145 6720  | Spent mandrel container                                                           |



You will find detailed nosepiece allocation tables on page 129.

### \* Wearing parts



### \* Wearing parts

# BLIND RIVET HAND TOOLS

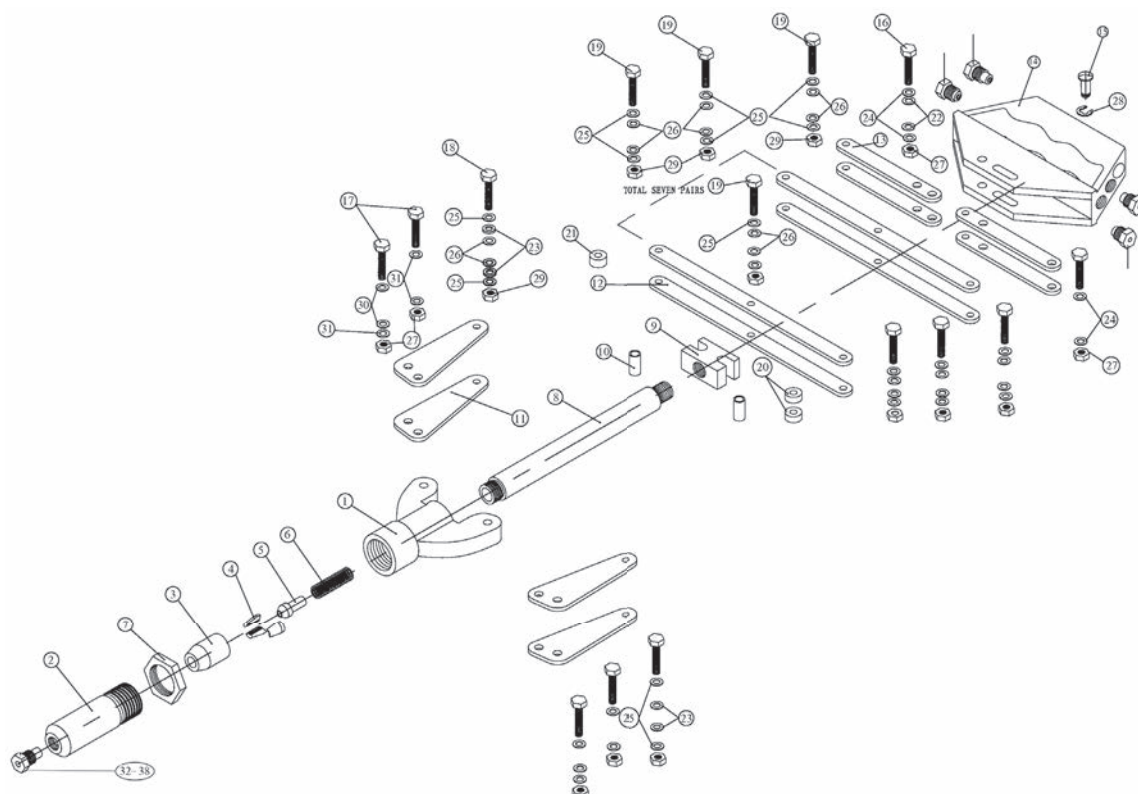
## SN 2

|      | No.      |                            |
|------|----------|----------------------------|
| 1    | 145 6687 | Housing                    |
| 2    | 145 6688 | Head                       |
| 3    | 145 6689 | Jaw housing                |
| 4 *  | 143 4958 | Jaws (3-part)              |
| 5 *  | 145 6690 | Jaw pusher                 |
| 6 *  | 145 6691 | Compression spring         |
| 7    | 145 6692 | Locking nut                |
| 8    | 145 6693 | Lock activator             |
| 10   | 145 6694 | Sleeve, long               |
| 11   | 145 6695 | Arm                        |
| 12   | 145 6696 | Lazy tongue segment, long  |
| 13   | 145 6697 | Lazy tongue segment, short |
| 14   | 145 6698 | Grip                       |
| 15   | 145 6699 | Bolt                       |
| 16   | 145 6700 | Screw M6 x 37              |
| 17   | 145 6701 | Screw M6 x 29              |
| 18   | 145 6702 | Screw M5 x 29              |
| 19   | 145 6703 | Screw M5 x 20.5            |
| 20   | 145 6704 | Outer sleeve               |
| 21   | 145 6705 | Inner sleeve               |
| 22   | 145 6706 | Washer 6 x 1.8             |
| 23   | 145 6707 | Washer 5 x 1.8             |
| 24   | 145 6708 | Washer 6 x 12 x 1.0        |
| 25   | 145 6709 | Washer 5 x 0.9             |
| 26   | 145 6710 | Washer 5 x 0.5             |
| 27   | 144 5262 | Nut M6                     |
| 28   | 145 0574 | Snap ring                  |
| 29   | 145 6711 | Nut M5                     |
| 30   | 145 6712 | Washer 6 x 9 x 0.7         |
| 31   | 145 6713 | Washer 6 x 0.5             |
| 32 * | 143 4955 | Nosepiece 17/24            |
| 33 * | 143 4973 | Nosepiece 17/27            |
| 34 * | 143 4974 | Nosepiece 17/29            |
| 35 * | 143 4975 | Nosepiece 17/32            |
| 36 * | 143 4977 | Nosepiece 17/36            |
| 37 * | 143 4999 | Nosepiece 17/40            |
| 38 * | 143 4860 | Nosepiece 17/45            |

\* Wearing parts



You will find detailed nosepiece allocation tables on page 130.



**AccuBird®**



# BATTERY POWERED BLIND RIVET SETTING TOOLS

**AccuBird®**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4129* | Jaw housing                                                                       |
| 143 4953  | Protection bracket                                                                |
| 143 4955* | Nosepiece 17/24                                                                   |
| 143 4956  | Head                                                                              |
| 143 4957  | Adapter                                                                           |
| 143 4958* | Jaws (3-part)                                                                     |
| 143 4959* | Jaw Pusher                                                                        |
| 143 4966* | Wiper                                                                             |
| 143 4967  | Stop disc                                                                         |
| 143 4973* | Nosepiece 17/27                                                                   |
| 143 4974* | Nosepiece 17/29                                                                   |
| 143 4975* | Nosepiece 17/32                                                                   |
| 143 4978  | Magazine insert                                                                   |
| 143 5016  | Nosepiece magazine                                                                |
| 143 5017  | Hanger                                                                            |
| 143 5027  | Bearing, complete                                                                 |
| 143 5029  | Pinion shaft, complete                                                            |

| No.       |  |
|-----------|------------------------------------------------------------------------------------|
| 143 5030* | Motor, complete                                                                    |
| 143 5031  | Magnetic holder, complete                                                          |
| 143 5032  | Spent mandrel container, complete                                                  |
| 144 5314* | Compression spring                                                                 |
| 144 5760  | Key                                                                                |
| 144 5763  | Sintered-metal bushing                                                             |
| 144 5768  | Allen screw                                                                        |
| 144 5769  | Magnetic holder screw                                                              |
| 144 5770  | Spring washer                                                                      |
| 144 5772  | Housing screw, long                                                                |
| 144 5773  | Housing screw, short                                                               |
| 144 5774  | Hose, silicone                                                                     |
| 145 7361  | Drive, complete                                                                    |
| 145 7363  | Sintered-metal bushing                                                             |
| 145 7364  | Housing                                                                            |
| 146 2906  | E-control                                                                          |

\* Wearing parts

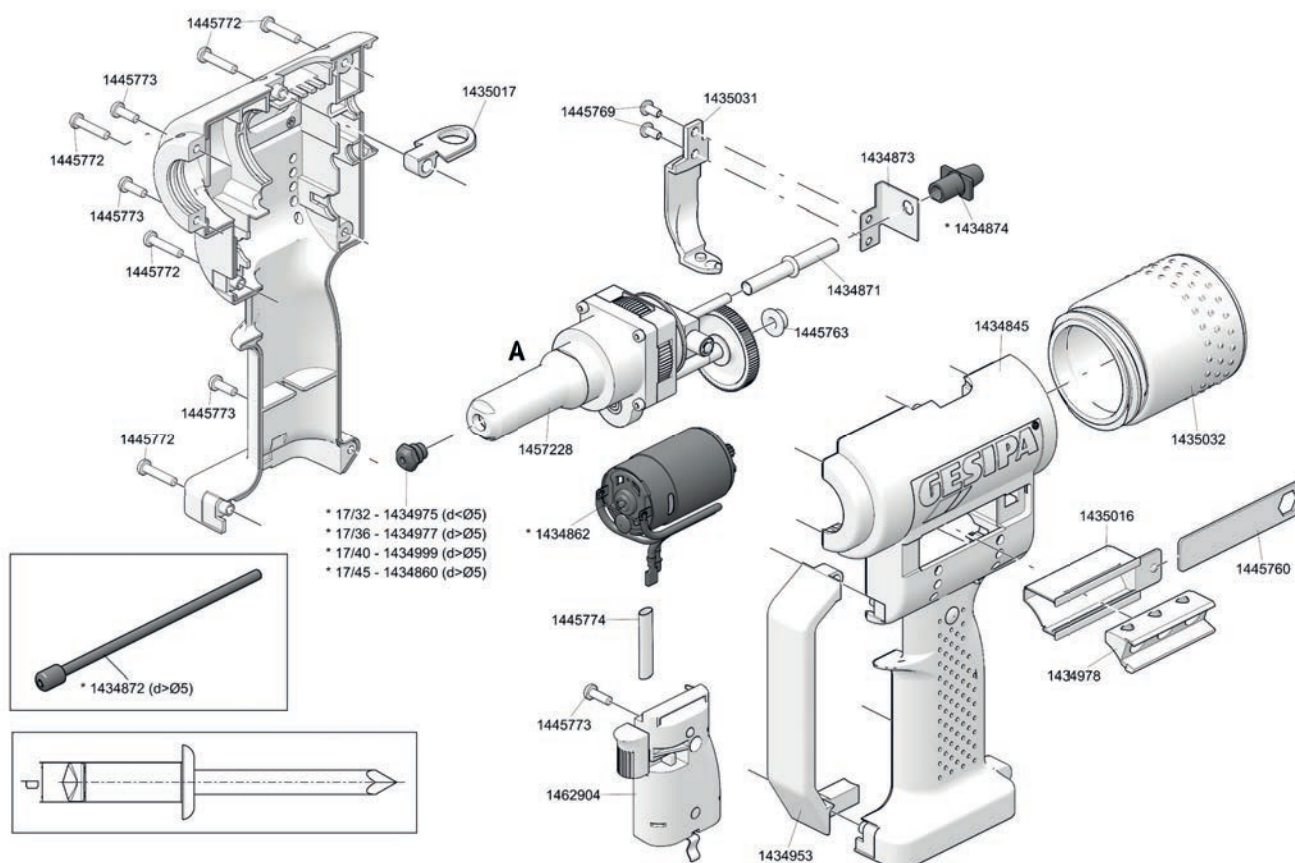
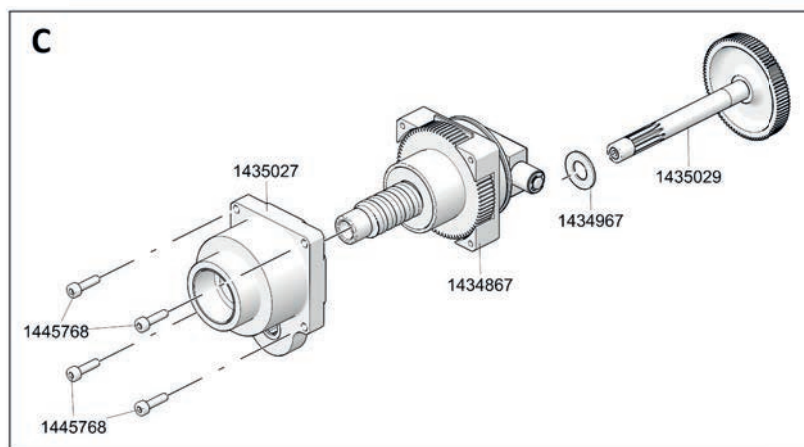
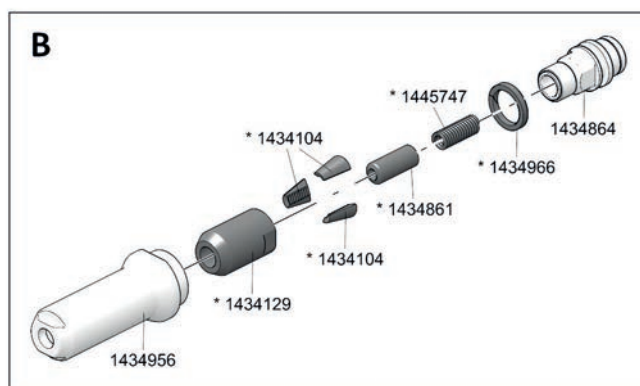
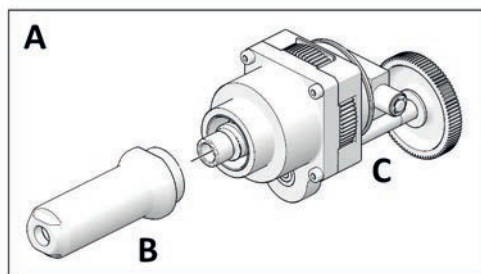


You will find detailed nosepiece allocation tables on page 130.  
You will find spare part kits for AccuBird® on page 357.



## BATTERY POWERED BLIND RIVET SETTING TOOLS

**PowerBird® - Tool no longer available**



\* Wearing parts

# BATTERY POWERED BLIND RIVET SETTING TOOLS

## **PowerBird® - Tool no longer available**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4104* | Jaws (3-part)                                                                     |
| 143 4129* | Jaw housing                                                                       |
| 143 4845  | Housing, complete                                                                 |
| 143 4847  | P tube short                                                                      |
| 143 4860* | Nosepiece 17/45                                                                   |
| 143 4861* | Jaw Pusher (for BN > Ø 5)                                                         |
| 143 4862* | Motor complete                                                                    |
| 143 4864  | Adapter                                                                           |
| 143 4867  | Ball screw drive                                                                  |
| 143 4871  | PB tube                                                                           |
| 143 4872* | Jaw Pusher                                                                        |
| 143 4873  | Angle                                                                             |
| 143 4874* | P tube short                                                                      |
| 143 4953  | Hoop guard                                                                        |
| 143 4956  | Steel head sleeve                                                                 |
| 143 4966* | Wiper                                                                             |
| 143 4967  | Stop disc                                                                         |
| 143 4975* | Nosepiece 17/32                                                                   |
| 143 4977* | Nosepiece 17/36                                                                   |
| 143 4978  | Magazine insert                                                                   |
| 143 4999* | Nosepiece 17/40                                                                   |
| 143 5016  | Nosepiece magazine                                                                |
| 143 5017  | Hanger                                                                            |

| No.       |  |
|-----------|------------------------------------------------------------------------------------|
| 143 5027  | Bearing, complete                                                                  |
| 143 5029  | Pinion shaft                                                                       |
| 143 5031  | Magnetic holder                                                                    |
| 143 5032  | Spent mandrel container, complete                                                  |
| 143 5034  | Extension                                                                          |
| 144 5747* | Compression spring                                                                 |
| 144 5760  | Key                                                                                |
| 144 5763  | Sintered-metal bushing                                                             |
| 144 5768  | Intermediate screw                                                                 |
| 144 5769  | Magnetic holder screw                                                              |
| 144 5772  | Housing screw long                                                                 |
| 144 5773  | Housing screw short                                                                |
| 144 5774  | Hose complete                                                                      |
| 145 7228  | Drive, complete                                                                    |
| 146 2904  | E control                                                                          |
| 146 2907  | Safety lubricating grease                                                          |

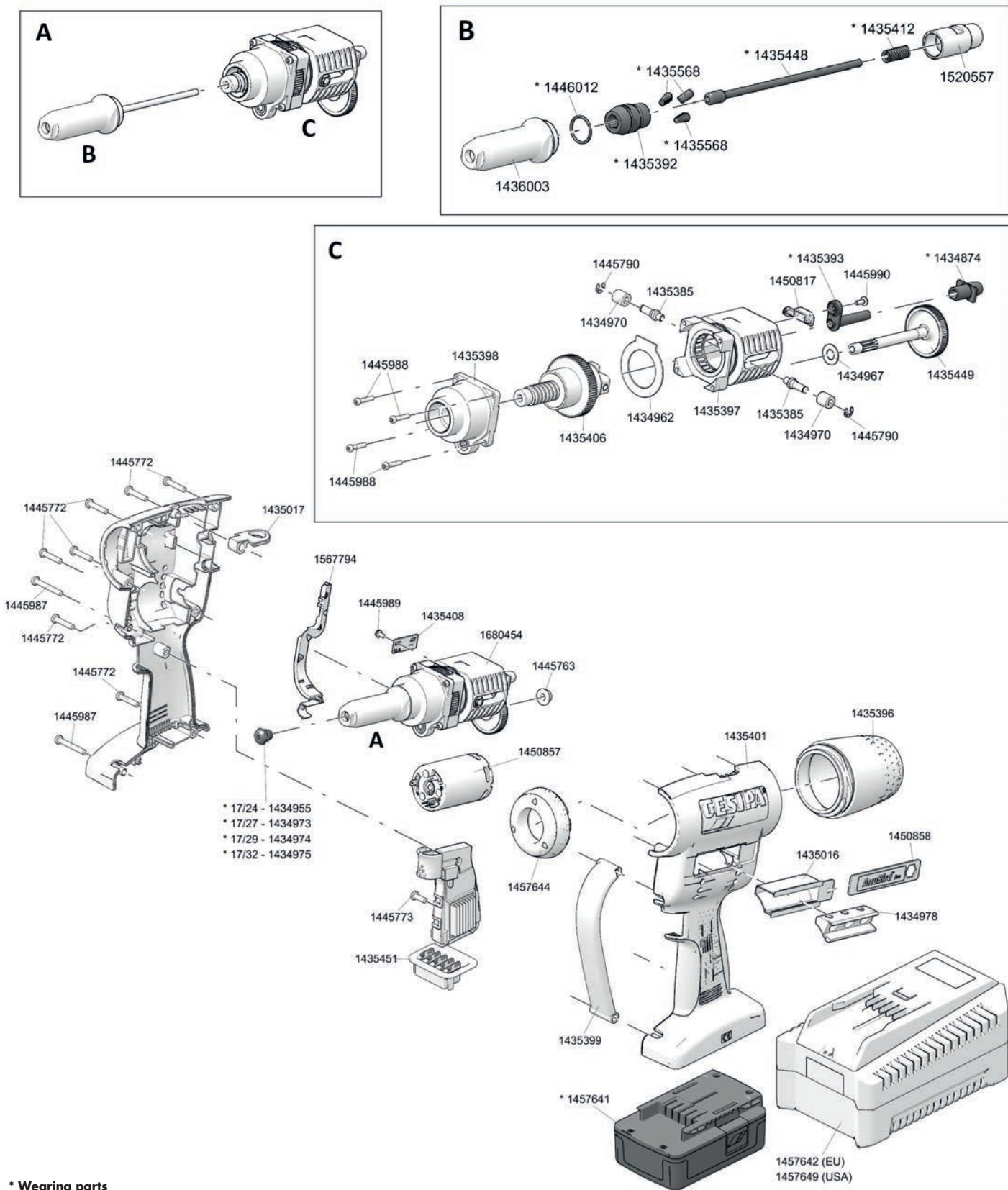
\* Wearing parts



You will find detailed nosepiece allocation tables on page 130.  
You will find spare part kits for PowerBird® on page 357.

## BATTERY POWERED BLIND RIVET SETTING TOOLS

## **AccuBird® Pro - until April 2021**



# BATTERY POWERED BLIND RIVET SETTING TOOLS

## AccuBird® Pro - until April 2021

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4874* | Tube                                                                              |
| 143 4955* | Nosepiece 17/24                                                                   |
| 143 4962  | Washer                                                                            |
| 143 4967  | Washer                                                                            |
| 143 4970  | Sintered metal roller                                                             |
| 143 4973* | Nosepiece 17/27                                                                   |
| 143 4974* | Nosepiece 17/29                                                                   |
| 143 4975* | Nosepiece 17/32                                                                   |
| 143 4978  | Magazine insert                                                                   |
| 143 5016  | Nosepiece magazine                                                                |
| 143 5017  | Hanger                                                                            |
| 143 5385  | Pin                                                                               |
| 143 5386  | Adapter                                                                           |
| 143 5392* | Jaw housing                                                                       |
| 143 5393* | Channel tube                                                                      |
| 143 5396  | Spent mandrel container, complete                                                 |
| 143 5397  | Bearing cage, complete                                                            |
| 143 5398  | Bearing, complete                                                                 |
| 143 5399  | Tool bar                                                                          |
| 143 5401  | Housing, complete                                                                 |
| 143 5406  | Ball screw drive                                                                  |
| 143 5408  | Plate                                                                             |
| 143 5412  | Spring                                                                            |
| 143 5413  | Connector                                                                         |
| 143 5414  | Threaded bush                                                                     |
| 143 5415  | Spring                                                                            |
| 143 5448* | Jaw pusher                                                                        |

| No.       |  |
|-----------|------------------------------------------------------------------------------------|
| 143 5449  | Pinion shaft                                                                       |
| 143 5451  | Control                                                                            |
| 143 5568* | Jaws (3-part)                                                                      |
| 143 6003  | Steel head sleeve                                                                  |
| 144 5763  | Sintered-metal bushing                                                             |
| 144 5772  | Screw, long                                                                        |
| 144 5773  | Screw, short                                                                       |
| 144 5790  | Lock washer                                                                        |
| 144 5987  | Screw                                                                              |
| 144 5988  | Screw                                                                              |
| 144 5989  | Screw                                                                              |
| 144 5990  | Screw                                                                              |
| 144 6012* | O-ring                                                                             |
| 145 0817  | Magnet                                                                             |
| 145 0857  | Motor, complete                                                                    |
| 145 0858  | AccuBird Pro key, complete                                                         |
| 145 7641* | Battery                                                                            |
| 145 7642  | Battery charger (EU)                                                               |
| 145 7644  | Light, complete                                                                    |
| 145 7649  | Battery charger (USA)                                                              |
| 156 7794  | Cable duct                                                                         |
| 168 0454  | Drive unit, complete                                                               |

\* Wearing parts

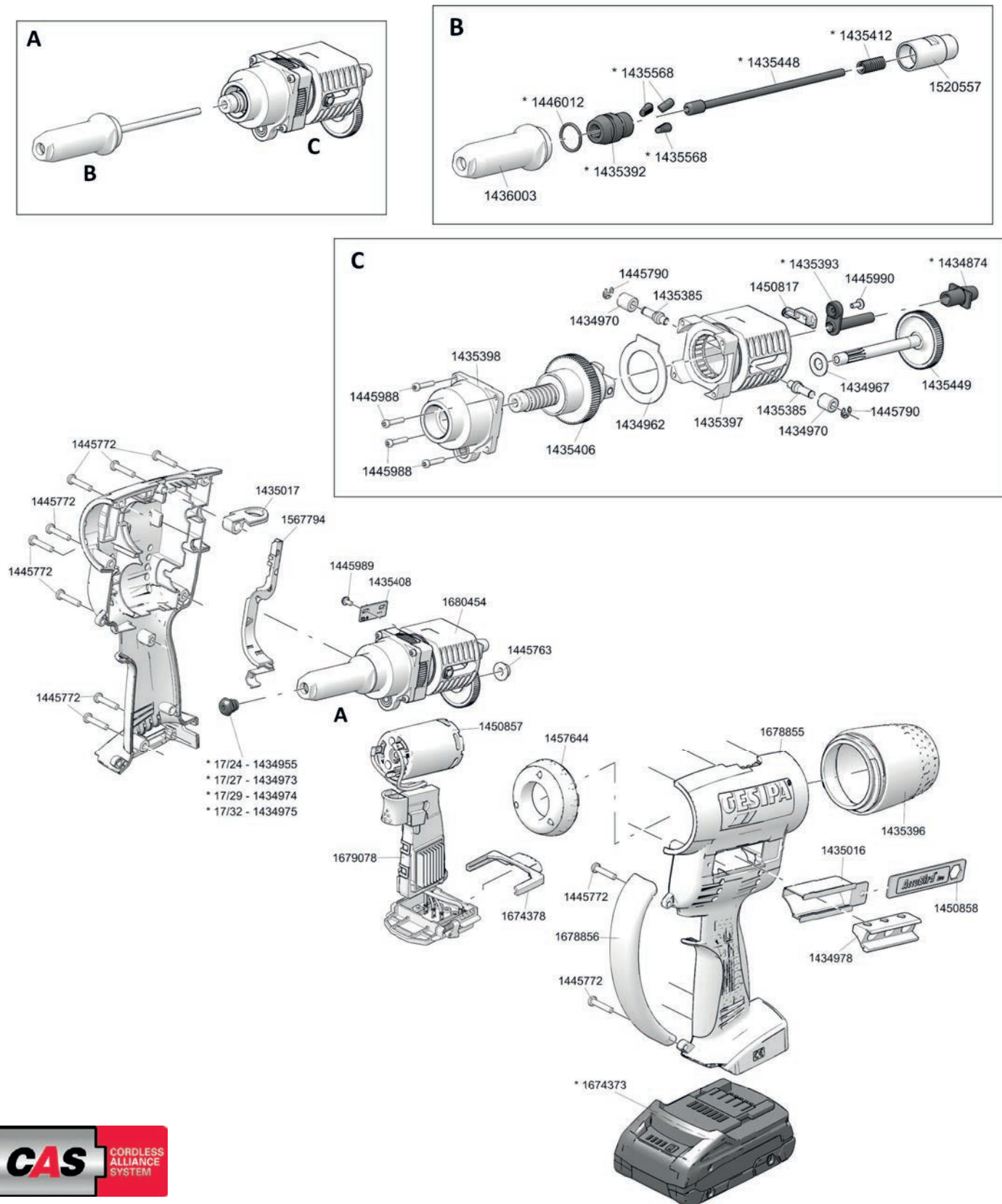


You will find detailed nosepiece allocation tables on page 130.  
You will find spare part kits for AccuBird® Pro on page 357.



## BATTERY POWERED BLIND RIVET SETTING TOOLS

## **AccuBird® Pro with new CAS technology - from May 2021**



\* Wearing parts

# BATTERY POWERED BLIND RIVET SETTING TOOLS

## **AccuBird® Pro with new CAS technology - from May 2021**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4874* | Tube                                                                              |
| 143 4955* | Nosepiece 17/24                                                                   |
| 143 4962  | Washer                                                                            |
| 143 4967  | Washer                                                                            |
| 143 4970  | Sintered metal roller                                                             |
| 143 4973* | Nosepiece 17/27                                                                   |
| 143 4974* | Nosepiece 17/29                                                                   |
| 143 4975* | Nosepiece 17/32                                                                   |
| 143 4978  | Magazine insert                                                                   |
| 143 5016  | Nosepiece magazine                                                                |
| 143 5017  | Hanger                                                                            |
| 143 5385  | Pin                                                                               |
| 143 5392* | Jaw Housing                                                                       |
| 143 5393* | Channel tube                                                                      |
| 143 5396  | Spent mandrel container, complete                                                 |
| 143 5397  | Bearing cage, complete                                                            |
| 143 5398  | Bearing, complete                                                                 |
| 143 5406  | Ball screw drive                                                                  |
| 143 5408  | Plate                                                                             |
| 143 5412  | Spring                                                                            |
| 143 5448* | Jaw Pusher                                                                        |
| 143 5449  | Pinion shaft                                                                      |
| 143 5568* | Jaws (3-part)                                                                     |
| 143 6003  | Steel head sleeve                                                                 |
| 144 5763  | Sintered-metal bushing                                                            |

| No.       |  |
|-----------|------------------------------------------------------------------------------------|
| 144 5772  | Screw, long                                                                        |
| 144 5790  | Lock washer                                                                        |
| 144 5988  | Screw                                                                              |
| 144 5989  | Screw                                                                              |
| 144 5990  | Screw                                                                              |
| 144 6012* | O ring                                                                             |
| 145 0817  | Magnet                                                                             |
| 145 0857  | Motor complete                                                                     |
| 145 0858  | Key AccuBird® Pro complete                                                         |
| 145 7644  | Light, complete                                                                    |
| 152 0557  | Adapter                                                                            |
| 156 7794  | Cable duct                                                                         |
| 167 4373* | Battery 2.0 Ah                                                                     |
| 167 4378  | Locking slider                                                                     |
| 167 8855  | Housing                                                                            |
| 167 8856  | Tool bar                                                                           |
| 167 9078  | E control                                                                          |
| 168 0454  | Drive unit                                                                         |

\* Wearing parts

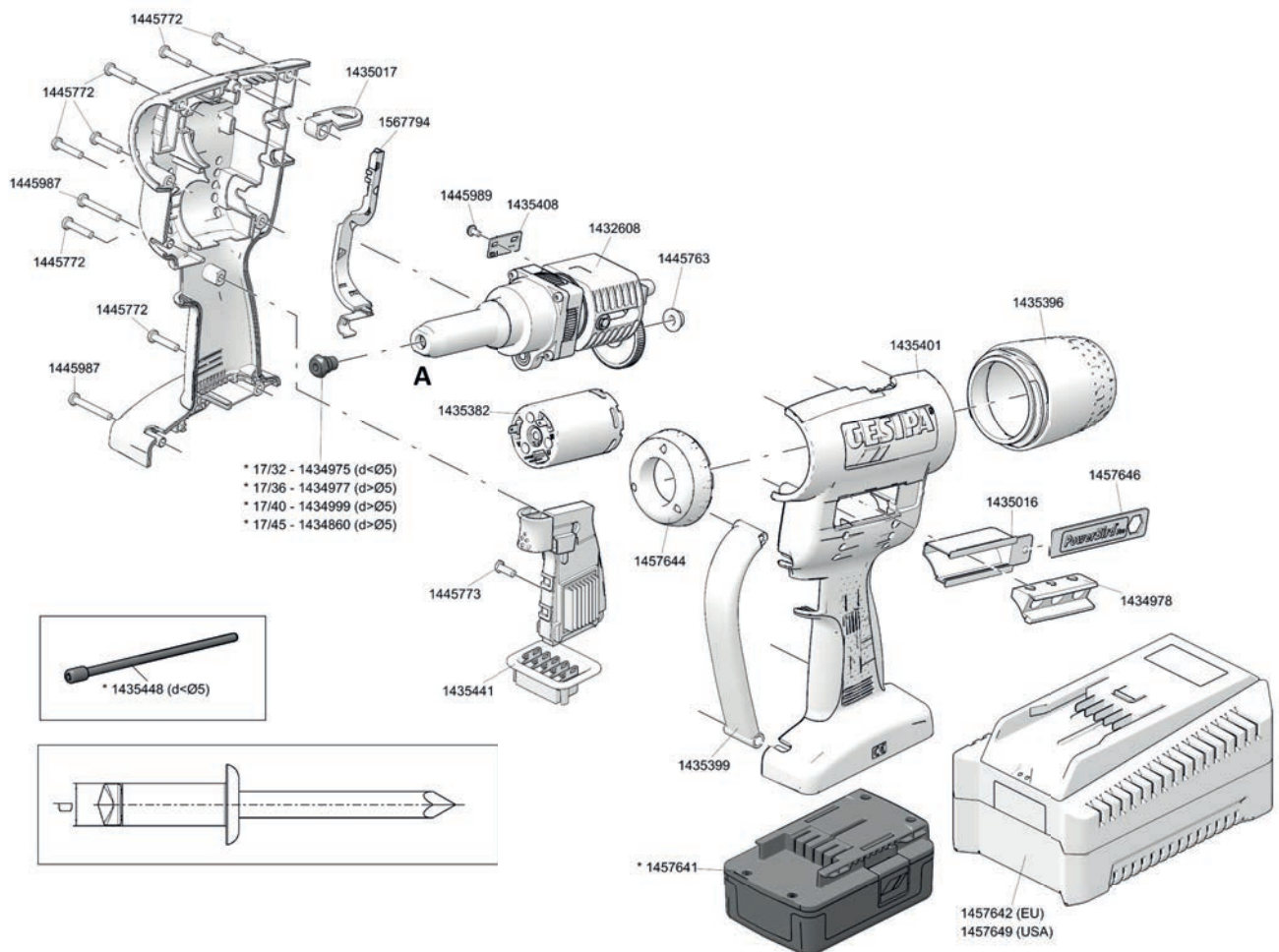
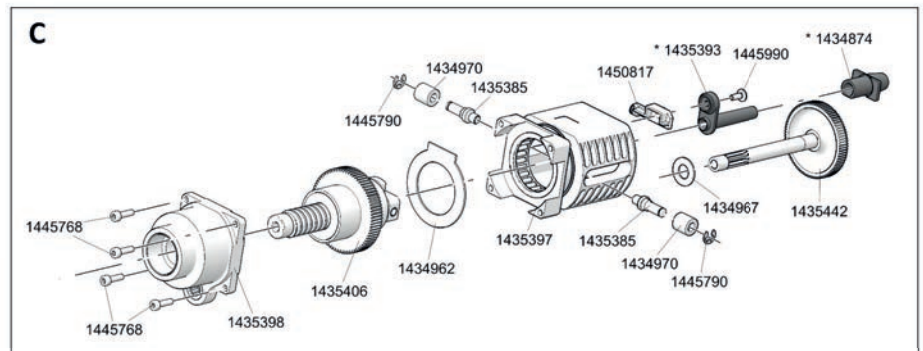
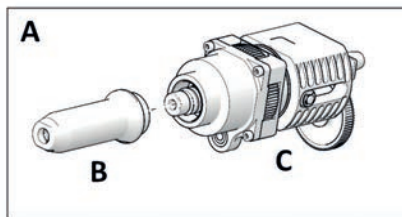
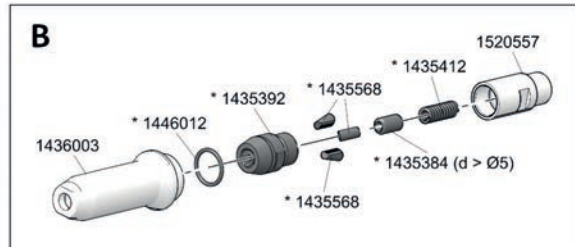


You will find detailed nosepiece allocation tables on page 130.  
You will find spare part kits for AccuBird® Pro on page 357.



# BATTERY POWERED BLIND RIVET SETTING TOOLS

## **PowerBird® Pro - tool no longer available**



\* Wearing parts

# BATTERY POWERED BLIND RIVET SETTING TOOLS

## **PowerBird® Pro** - tool no longer available

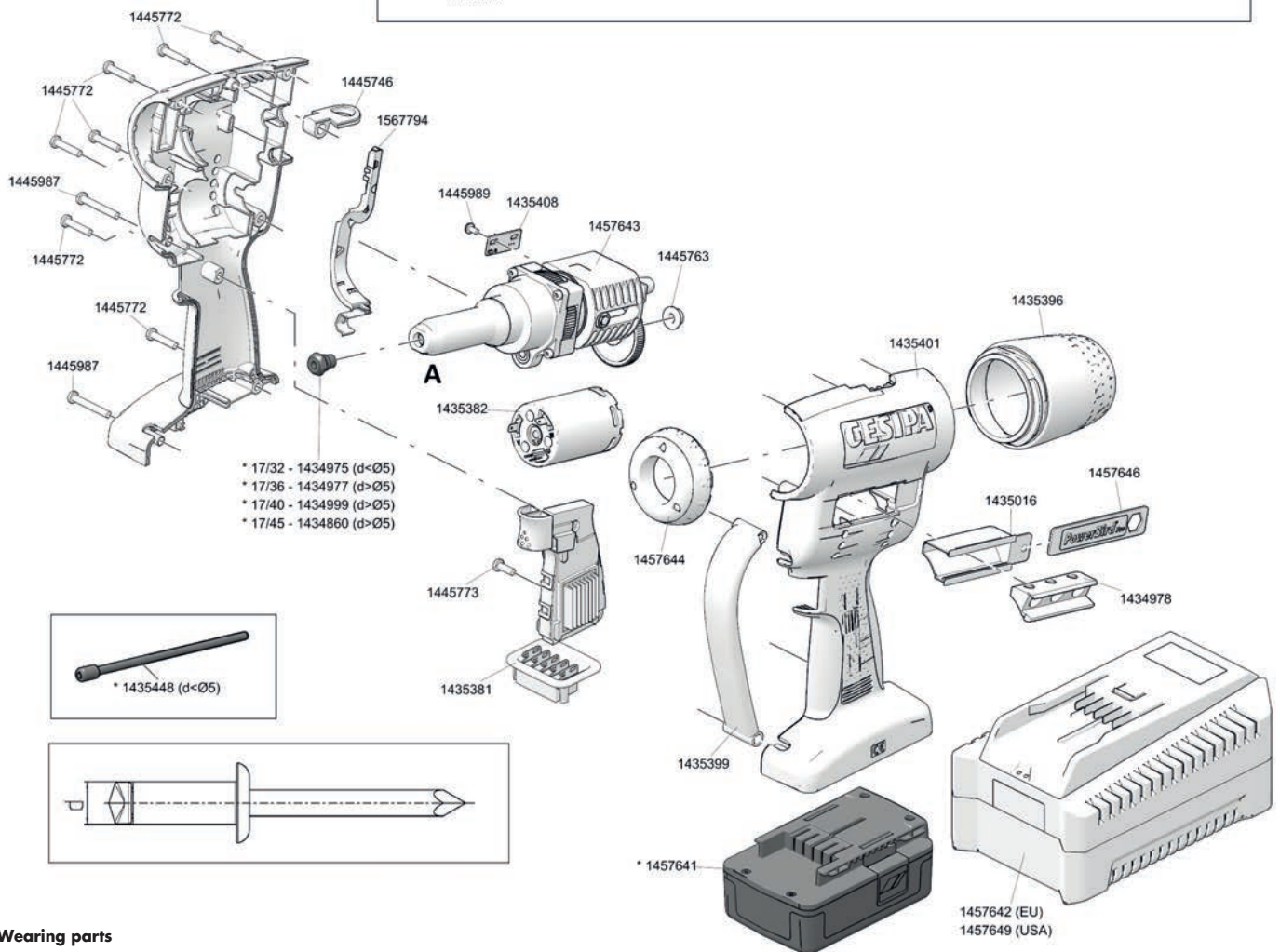
| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 2608  | Drive unit                                                                        |
| 143 4860* | Nosepiece 17/45                                                                   |
| 143 4874* | Tube short                                                                        |
| 143 4962  | Washer                                                                            |
| 143 4967  | Washer                                                                            |
| 143 4970  | Sintered metal roller                                                             |
| 143 4975* | Nosepiece 17/32                                                                   |
| 143 4977* | Nosepiece 17/36                                                                   |
| 143 4999* | Nosepiece 17/40                                                                   |
| 143 4978  | Magazine insert                                                                   |
| 143 5016  | Nosepiece magazine                                                                |
| 143 5017  | Hanger                                                                            |
| 143 5382  | Motor complete                                                                    |
| 143 5384* | Jaw Pusher (for BN > Ø 5)                                                         |
| 143 5385  | Pin                                                                               |
| 143 5392* | Jaw housing                                                                       |
| 143 5393* | Channel tube                                                                      |
| 143 5396  | Spent mandrel container, complete                                                 |
| 143 5397  | Bearing cage                                                                      |
| 143 5398  | Bearing, complete                                                                 |
| 143 5399  | Tool bar                                                                          |
| 143 5401  | Housing complete                                                                  |
| 143 5406  | Ball screw drive                                                                  |

| No.       |  |
|-----------|------------------------------------------------------------------------------------|
| 143 5408  | Hall pcb                                                                           |
| 143 5412* | Compression spring                                                                 |
| 143 5441  | E control                                                                          |
| 143 5442  | Pinion shaft                                                                       |
| 143 5448* | Jaw Pusher (for BN < Ø 5)                                                          |
| 143 5568* | Jaws (3 parts)                                                                     |
| 143 6003  | Steel head sleeve                                                                  |
| 144 5763  | Sintered-metal bushing                                                             |
| 144 5768  | Screw                                                                              |
| 144 5772  | Screw long                                                                         |
| 144 5773  | Screw short                                                                        |
| 144 5790  | Lock washer                                                                        |
| 144 5987  | Screw                                                                              |
| 144 5989  | Screw                                                                              |
| 144 5990  | Screw                                                                              |
| 144 6012* | O ring                                                                             |
| 145 0817  | Magnetic holder                                                                    |
| 145 7641* | Battery - while stocks last                                                        |
| 145 7642  | Charger (EU) - while stocks last                                                   |
| 145 7644  | Light, complete                                                                    |
| 145 7646  | Key PowerBird® Pro complete                                                        |
| 145 7649  | Charger (USA) - while stocks last                                                  |
| 152 0557  | Adapter                                                                            |
| 156 7794  | Cable duct                                                                         |

\* Wearing parts



You will find detailed nosepiece allocation tables on page 130.  
You will find spare part kits for PowerBird® Pro on page 357.

**PowerBird® Pro Gold Edition - until April 2021**

# BATTERY POWERED BLIND RIVET SETTING TOOLS

## **PowerBird® Pro Gold Edition - until April 2021**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4874* | Tube short                                                                        |
| 143 4962  | Washer                                                                            |
| 143 4967  | Washer                                                                            |
| 143 4970  | Sintered metal roller                                                             |
| 143 4975* | Nosepiece 17/32                                                                   |
| 143 4977* | Nosepiece 17/36                                                                   |
| 143 4999* | Nosepiece 17/40                                                                   |
| 143 4860* | Nosepiece 17/45                                                                   |
| 143 4978  | Magazine insert                                                                   |
| 143 5016  | Nosepiece magazine                                                                |
| 143 5381  | E control                                                                         |
| 143 5382  | Motor complete Pro Gold Edition                                                   |
| 143 5384* | Jaw Pusher (for BN > Ø 5)                                                         |
| 143 5385  | Pin                                                                               |
| 143 5392* | Jaw housing                                                                       |
| 143 5393* | Channel tube                                                                      |
| 143 5395  | Pinion shaft Pro Gold Edition                                                     |
| 143 5396  | Spent mandrel container, complete                                                 |
| 143 5397  | Bearing cage                                                                      |
| 143 5398  | Bearing, complete                                                                 |
| 143 5399  | Tool bar                                                                          |
| 143 5401  | Housing complete                                                                  |
| 143 5406  | Ball screw drive                                                                  |

| No.       |  |
|-----------|------------------------------------------------------------------------------------|
| 143 5408  | Hall pcb                                                                           |
| 143 5412* | Compression spring                                                                 |
| 143 5448* | Jaw Pusher (for BN < Ø 5)                                                          |
| 143 5568* | Jaws (3 parts)                                                                     |
| 143 6003  | Steel head sleeve                                                                  |
| 144 5746  | Hanger Pro Gold Edition                                                            |
| 144 5763  | Sintered-metal bushing                                                             |
| 144 5768  | Screw                                                                              |
| 144 5772  | Screw long                                                                         |
| 144 5773  | Screw short                                                                        |
| 144 5790  | Lock washer                                                                        |
| 144 5987  | Screw                                                                              |
| 144 5989  | Screw                                                                              |
| 144 5990  | Screw                                                                              |
| 144 6012* | O ring                                                                             |
| 145 0817  | Magnetic holder                                                                    |
| 145 7641* | Battery - while stocks last                                                        |
| 145 7642  | Charger (EU) - while stocks last                                                   |
| 145 7643  | Drive unit Pro GE complete                                                         |
| 145 7644  | Light, complete                                                                    |
| 145 7646  | Key PowerBird® Pro complete                                                        |
| 145 7649  | Charger (USA) - while stocks last                                                  |
| 152 0557  | Adapter                                                                            |
| 156 7794  | Cable duct                                                                         |

\* Wearing parts

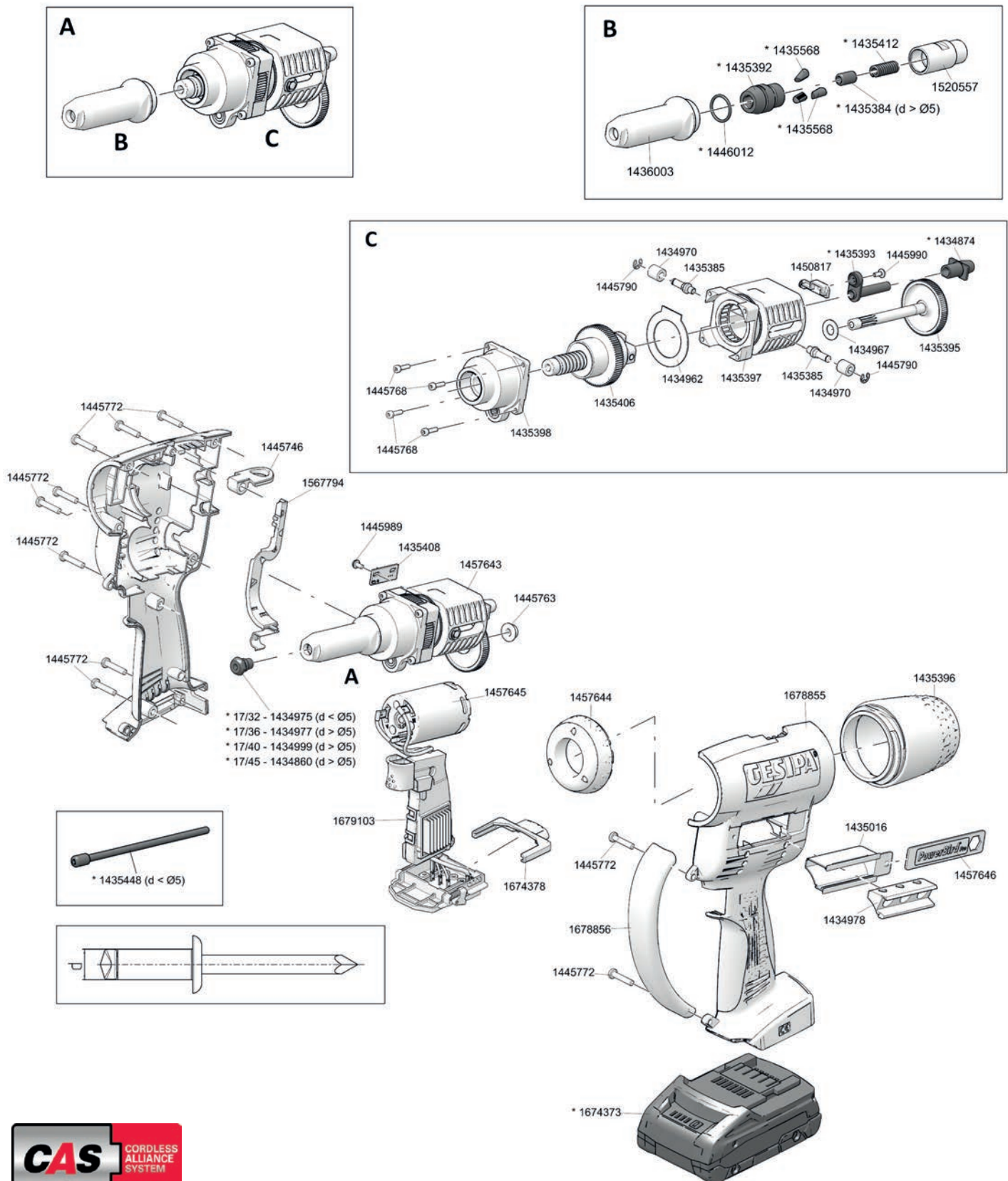


You will find detailed nosepiece allocation tables on page 130.



## BATTERY POWERED BLIND RIVET SETTING TOOLS

**PowerBird® Pro Gold Edition with new CAS technology - from May 2021**



\* Wearing parts



# BATTERY POWERED BLIND RIVET SETTING TOOLS

## **PowerBird® Pro Gold Edition with new CAS technology - from May 2021**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4874* | Tube short                                                                        |
| 143 4962  | Washer                                                                            |
| 143 4967  | Washer                                                                            |
| 143 4970  | Sintered metal roller                                                             |
| 143 4975* | Nosepiece 17/32                                                                   |
| 143 4977* | Nosepiece 17/36                                                                   |
| 143 4999* | Nosepiece 17/40                                                                   |
| 143 4860* | Nosepiece 17/45                                                                   |
| 143 4978  | Magazine insert                                                                   |
| 143 5016  | Nosepiece magazine                                                                |
| 143 5384* | Jaw Pusher (for BN > Ø 5)                                                         |
| 143 5385  | Pin                                                                               |
| 143 5392* | Jaw housing                                                                       |
| 143 5393* | Channel tube                                                                      |
| 143 5395  | Pinion shaft Pro Gold Edition                                                     |
| 143 5396  | Spent mandrel container, complete                                                 |
| 143 5397  | Bearing cage                                                                      |
| 143 5398  | Bearing, complete                                                                 |
| 143 5406  | Ball screw drive                                                                  |
| 143 5408  | Hall pcb                                                                          |
| 143 5412* | Compression spring                                                                |
| 143 5448* | Jaw Pusher (for BN < Ø 5)                                                         |
| 143 5568* | Jaws (3 parts)                                                                    |

| No.       |  |
|-----------|------------------------------------------------------------------------------------|
| 143 6003  | Steel head sleeve                                                                  |
| 144 5746  | Hanger Pro Gold Edition                                                            |
| 144 5763  | Sintered-metal bushing                                                             |
| 144 5768  | Screw                                                                              |
| 144 5772  | Screw long                                                                         |
| 144 5790  | Lock washer                                                                        |
| 144 5989  | Screw                                                                              |
| 144 5990  | Screw                                                                              |
| 144 6012* | O ring                                                                             |
| 145 0817  | Magnetic holder                                                                    |
| 145 7643  | Drive unit Pro GE complete                                                         |
| 145 7644  | Light, complete                                                                    |
| 145 7645  | Motor                                                                              |
| 145 7646  | Key PowerBird® Pro complete                                                        |
| 152 0557  | Adapter                                                                            |
| 156 7794  | Cable duct                                                                         |
| 167 4373  | Battery 2.0 Ah                                                                     |
| 167 4378  | Locking slider                                                                     |
| 167 8855  | Housing                                                                            |
| 167 8856  | Tool bar                                                                           |
| 167 9103  | E control                                                                          |

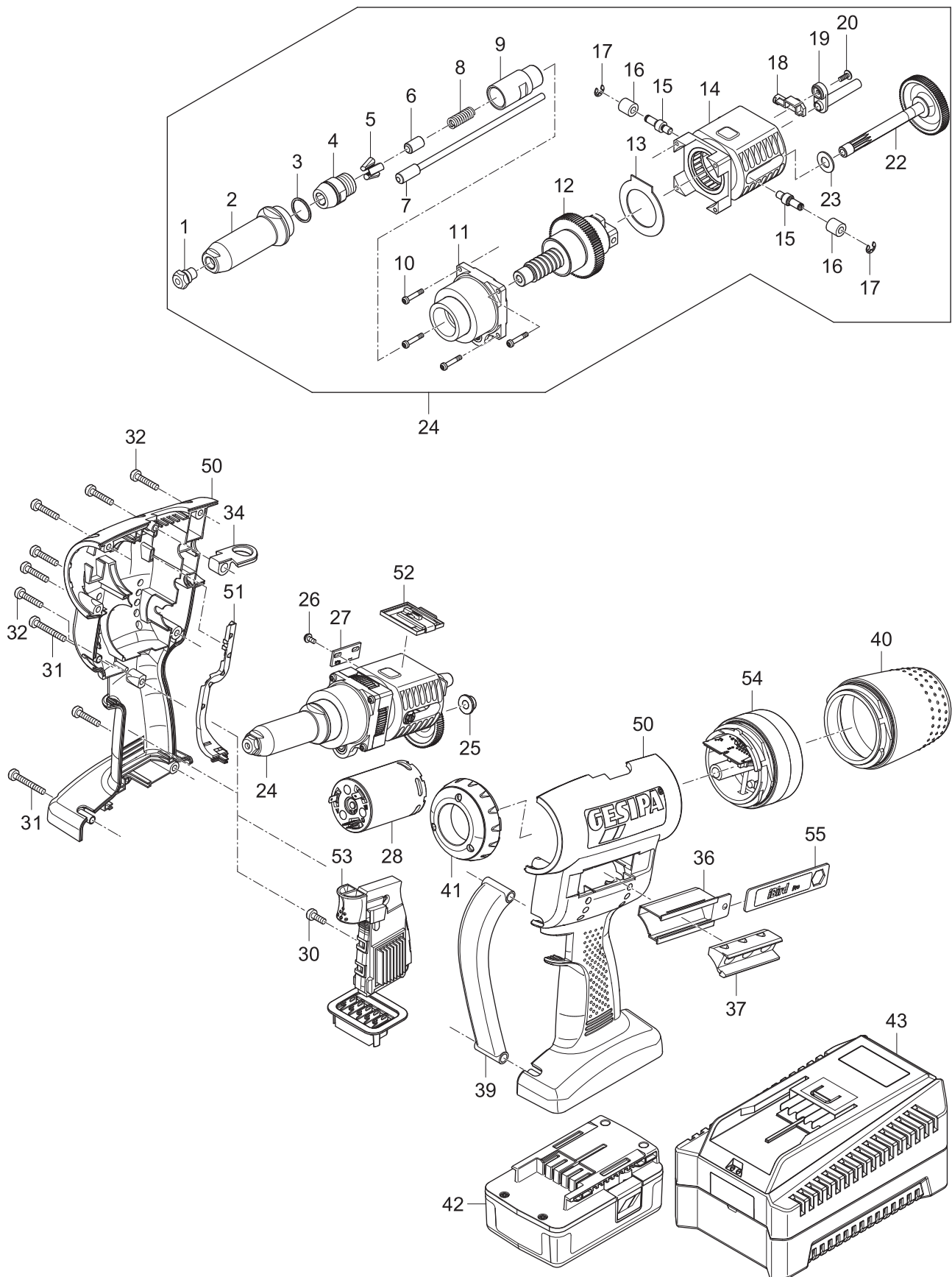
\* Wearing parts



You will find detailed nosepiece allocation tables on page 130.

# BATTERY POWERED BLIND RIVET SETTING TOOLS

**iBird® Pro - until April 2021**



# BATTERY POWERED BLIND RIVET SETTING TOOLS

## iBird® Pro - until April 2021

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | 143 4975 | Nosepiece 17/32                                                                   |
|                                                                                   | 143 4977 | Nosepiece 17/36                                                                   |
|                                                                                   | 143 4999 | Nosepiece 17/40                                                                   |
|                                                                                   | 143 4860 | Nosepiece 17/45                                                                   |
| 2                                                                                 | 143 6003 | Steel head sleeve                                                                 |
| 3 •                                                                               | 144 6012 | O-ring                                                                            |
| 4 •                                                                               | 143 5392 | Jaw housing                                                                       |
| 5 •                                                                               | 143 5568 | Jaws (3-part)                                                                     |
| 6 •                                                                               | 143 5384 | Jaw Pusher (> Ø 5)                                                                |
| 7 •                                                                               | 143 5448 | Jaw Pusher (< Ø 5)                                                                |
| 8 •                                                                               | 143 5412 | Spring                                                                            |
| 9                                                                                 | 152 0557 | Adapter                                                                           |
| 10                                                                                | 144 5768 | Screw                                                                             |
| 11                                                                                | 143 5398 | Bearing, complete                                                                 |
| 12                                                                                | 143 5406 | Ball screw drive                                                                  |
| 13                                                                                | 143 4962 | Washer                                                                            |
| 14                                                                                | 143 5397 | Bearing cage                                                                      |
| 15                                                                                | 143 5385 | Pin                                                                               |
| 16                                                                                | 143 4970 | Sintered metal roller                                                             |
| 17                                                                                | 144 5790 | Lock washer                                                                       |
| 18                                                                                | 145 0817 | Magnetic holder                                                                   |
| 19 •                                                                              | 143 5393 | Channel tube                                                                      |
| 20                                                                                | 144 5990 | Screw                                                                             |
| 21 •                                                                              | 143 4874 | Tube                                                                              |
| 22                                                                                | 143 5442 | Pinion shaft                                                                      |
|                                                                                   | 143 5395 | Pinion shaft Pro Gold Edition                                                     |
| 23                                                                                | 143 4967 | Washer                                                                            |

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 24                                                                                | 143 2608 | Drive unit Pro complete                                                             |
|                                                                                   | 145 7643 | Drive unit Pro GE complete                                                          |
| 25                                                                                | 144 5763 | Sintered-metal bushing                                                              |
| 26                                                                                | 144 5989 | Screw                                                                               |
| 27                                                                                | 143 5408 | Plate                                                                               |
| 28                                                                                | 146 3584 | Motor complete Pro                                                                  |
|                                                                                   | 145 7645 | Motor complete Pro Gold Edition                                                     |
| 30                                                                                | 144 5773 | Screw, short                                                                        |
| 31                                                                                | 144 5987 | Screw                                                                               |
| 32                                                                                | 144 5772 | Screw, long                                                                         |
| 34                                                                                | 143 5416 | Hanger Pro                                                                          |
|                                                                                   | 144 5746 | Hanger Pro Gold Edition                                                             |
| 36                                                                                | 143 5016 | Nosepiece magazine                                                                  |
| 37                                                                                | 143 4978 | Magazine insert                                                                     |
| 39                                                                                | 143 5399 | Tool bar                                                                            |
| 40                                                                                | 143 5396 | Spent mandrel container, complete                                                   |
| 41                                                                                | 145 7644 | Light, complete                                                                     |
| 42 •                                                                              | 145 7641 | Battery - while stocks last                                                         |
| 43                                                                                | 145 7642 | Battery charger (EU) - while stocks last                                            |
|                                                                                   | 145 7649 | Battery charger (USA) - while stocks last                                           |
| 50                                                                                | 156 7795 | Housing, complete                                                                   |
| 51                                                                                | 156 7794 | Cable duct                                                                          |
| 52                                                                                | 156 7799 | NFC module                                                                          |
| 54*                                                                               | -        | iBird® electronic complete                                                          |
| 55                                                                                | 155 6819 | Key iBird® Pro complete                                                             |

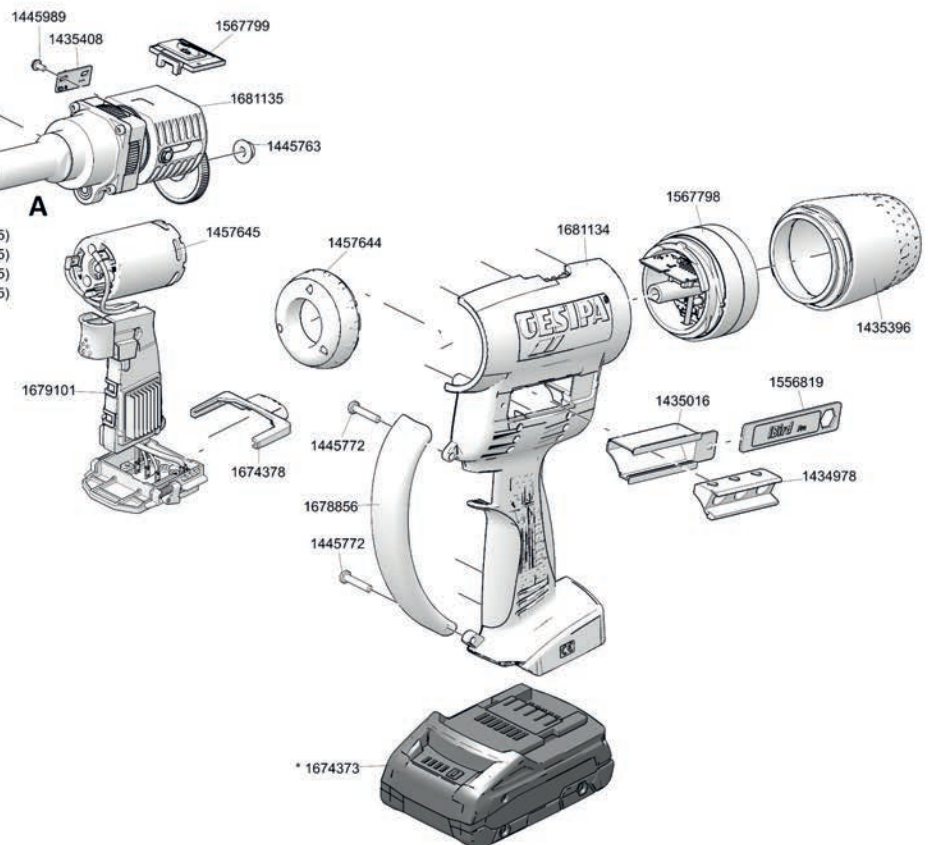
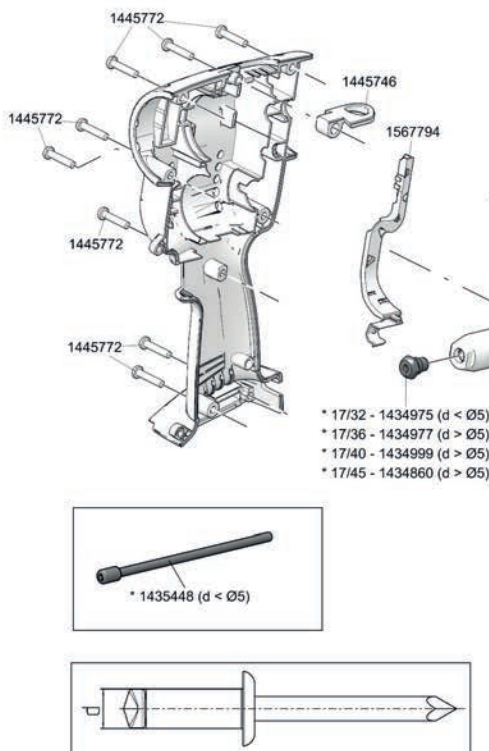
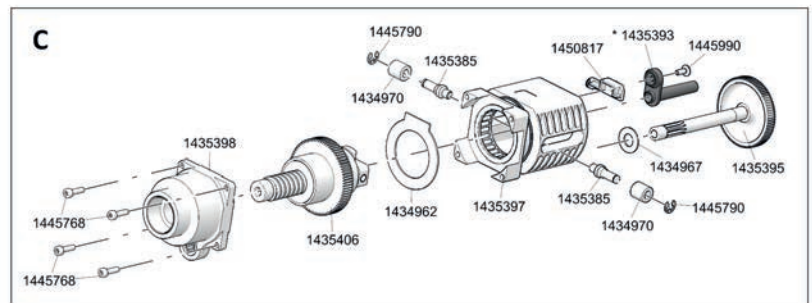
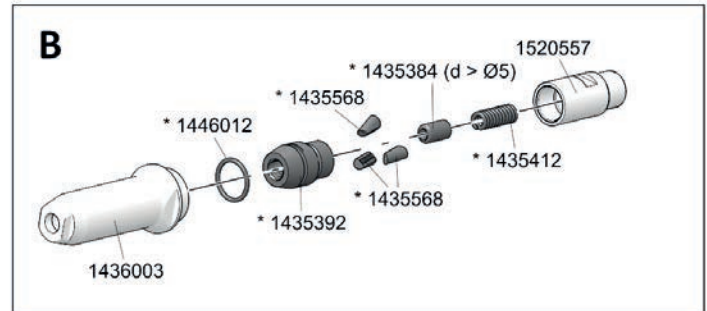
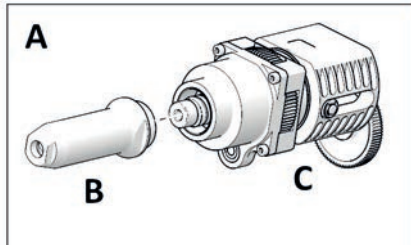
• Wearing parts

\* exchange only by GESIPA®



You will find detailed nosepiece allocation tables on page 130.

## BATTERY POWERED BLIND RIVET SETTING TOOLS

**iBird® Pro with new CAS technology - from May 2021**

\* Wearing parts

# BATTERY POWERED BLIND RIVET SETTING TOOLS

## **iBird® Pro with new CAS technology - from May 2021**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4860* | Nosepiece 17/45                                                                   |
| 143 4962  | Washer                                                                            |
| 143 4967  | Washer                                                                            |
| 143 4970  | Sintered metal roller                                                             |
| 143 4975* | Nosepiece 17/32                                                                   |
| 143 4977* | Nosepiece 17/36                                                                   |
| 143 4978  | Magazine insert                                                                   |
| 143 4999* | Nosepiece 17/40                                                                   |
| 143 5016  | Nosepiece magazine                                                                |
| 143 5384* | Jaw Pusher (> Ø 5)                                                                |
| 143 5385  | Pin                                                                               |
| 143 5392* | Jaw housing                                                                       |
| 143 5393* | Channel tube                                                                      |
| 143 5395  | Pinion shaft Pro Gold Edition                                                     |
| 143 5396  | Spent mandrel container, complete                                                 |
| 143 5397  | Bearing cage                                                                      |
| 143 5398  | Bearing, complete                                                                 |
| 143 5406  | Ball screw drive                                                                  |
| 143 5408  | Plate                                                                             |
| 143 5412* | Spring                                                                            |
| 143 5448* | Jaw Pusher (< Ø 5)                                                                |
| 143 5568* | Jaws (3-part)                                                                     |
| 143 6003  | Steel head sleeve                                                                 |
| 144 5746  | Hanger Pro Gold Edition                                                           |
| 144 5763  | Sintered-metal bushing                                                            |
| 144 5768  | Screw                                                                             |
| 144 5772  | Screw long                                                                        |
| 144 5790  | Lock washer                                                                       |

| No.        |  |
|------------|-----------------------------------------------------------------------------------|
| 144 5989   | Screw                                                                             |
| 144 5990   | Screw                                                                             |
| 144 6012*  | O ring                                                                            |
| 145 0817   | Magnetic holder                                                                   |
| 145 7644   | Light, complete                                                                   |
| 145 7645   | Motor complete Pro Gold Edition                                                   |
| 152 0557   | Adapter                                                                           |
| 155 6819   | Key iBird® Pro complete                                                           |
| 156 7794   | Cable duct                                                                        |
| 156 7798** | iBird module                                                                      |
| 156 7799   | NFC module                                                                        |
| 167 4373*  | Battery 2.0 Ah                                                                    |
| 167 4378   | Locking slider                                                                    |
| 167 8856   | Tool bar                                                                          |
| 167 9101   | E control                                                                         |
| 168 1134   | Housing                                                                           |
| 168 1135   | Drive unit                                                                        |

### \* Wearing parts

\*\* exchange only by GESIPA®



You will find detailed nosepiece allocation tables on page 130.



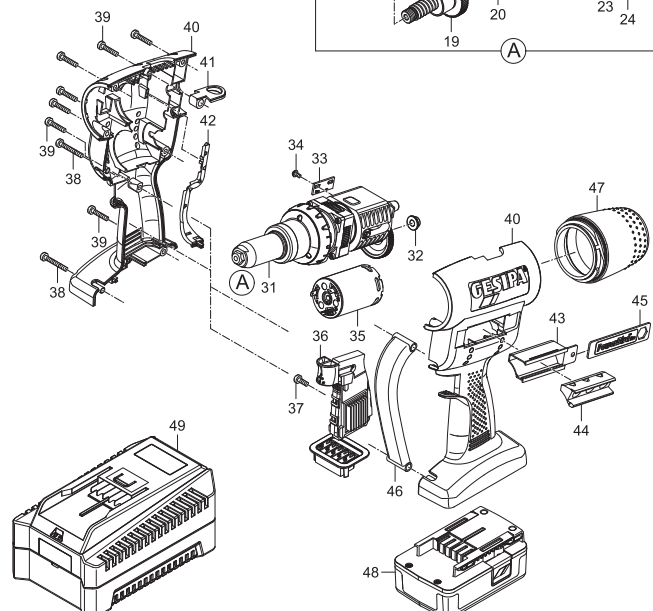
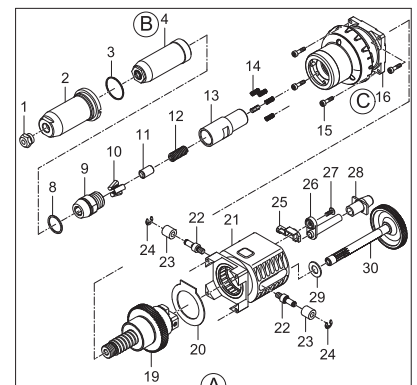
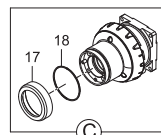
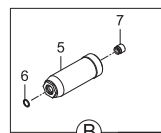
# BATTERY POWERED BLIND RIVET SETTING TOOLS

## Bird Pro series with spring-loaded trigger system - until April 2021

|      | No.      |                                                  |                       |
|------|----------|--------------------------------------------------|-----------------------|
| 1 •  | 143 5592 | AccuBird® Pro                                    | Nosepiece 17/24 AV    |
|      | 143 5593 |                                                  | Nosepiece 17/27 AV    |
|      | 143 5594 |                                                  | Nosepiece 17/29 AV    |
|      | 143 5595 | AccuBird® Pro, PowerBird® Pro, PowerBird® Pro GE | Nosepiece 17/32 AV    |
|      | 143 5596 | PowerBird® Pro, PowerBird® Pro GE                | Nosepiece 17/36 AV    |
|      | 143 5597 |                                                  | Nosepiece 17/40 AV    |
|      | 143 5598 |                                                  | Nosepiece 17/45 AV    |
| 2    | 143 5421 |                                                  | Steel head sleeve     |
| 3    | 143 4253 |                                                  | O-ring                |
| 4    | 145 0825 | AccuBird® Pro                                    | Support sleeve        |
|      | 145 0826 | PowerBird® Pro, PowerBird® Pro GE                | Support sleeve        |
| 5    | 144 6010 |                                                  | Snap ring             |
| 6    | 143 5422 |                                                  | Support sleeve        |
| 7    | 143 5600 | AccuBird® Pro                                    | Nosepiece             |
|      | 143 5601 | PowerBird® Pro, PowerBird® Pro GE                | Nosepiece             |
| 8 •  | 144 6012 |                                                  | O-ring                |
| 9 •  | 143 5392 |                                                  | Jaw housing           |
| 10 • | 143 5568 |                                                  | Jaws (3-part)         |
| 11 • | 143 5384 | PowerBird® Pro, PowerBird® Pro GE                | Jaw Pusher            |
|      | 143 5448 | AccuBird® Pro                                    | Jaw Pusher            |
| 12   | 143 5412 |                                                  | Spring                |
| 13   | 157 3351 |                                                  | Adapter AV            |
| 14 • | 144 5994 |                                                  | Spring                |
| 15   | 144 5768 |                                                  | Screw                 |
| 16   | 156 0799 |                                                  | Pressing unit         |
| 17   | 143 5423 |                                                  | Union nut             |
| 18   | 144 6053 |                                                  | O-ring                |
| 19   | 143 5406 |                                                  | Ball screw drive      |
| 20   | 143 4962 |                                                  | Washer                |
| 21   | 143 5397 |                                                  | Bearing cage          |
| 22   | 143 5385 |                                                  | Pin                   |
| 23   | 143 4970 |                                                  | Sintered metal roller |
| 24   | 144 5790 |                                                  | Lock washer           |
| 25   | 145 0817 |                                                  | Magnetic holder       |
| 26   | 143 5393 |                                                  | Channel tube          |
| 27   | 144 5990 |                                                  | Screw                 |
| 28   | 143 4874 |                                                  | Tube                  |
| 29   | 143 4967 |                                                  | Washer                |

|      | No.      |                               |                                               |
|------|----------|-------------------------------|-----------------------------------------------|
| 30   | 143 5395 | PowerBird® Pro GE             | Pinion shaf                                   |
|      | 143 5449 | AccuBird® Pro, PowerBird® Pro | Pinion shaf                                   |
| 31   | 145 0829 | PowerBird® Pro GE             | Drive unit PowerBird® Pro GE AV max. Ø 4,5 mm |
|      | 151 9075 | PowerBird® Pro                | Drive unit PowerBird® Pro GE AV max. Ø 4,5 mm |
|      | 151 9074 | AccuBird® Pro                 | Drive unit AccuBird® Pro AV max. Ø 3,2 mm     |
| 32   | 144 5763 |                               | Sintered-metal bushing                        |
| 33   | 143 5408 |                               | Plate                                         |
| 34   | 144 5989 |                               | Screw                                         |
| 35   | 145 7645 | PowerBird® Pro GE             | Motor complete                                |
|      | 146 3584 | PowerBird® Pro                | Motor complete                                |
|      | 145 0857 | AccuBird® Pro                 | Motor complete                                |
| 36   | 146 3926 | PowerBird® Pro GE             | Control                                       |
|      | 150 1672 | PowerBird® Pro                | Control                                       |
|      | 150 1673 | AccuBird® Pro                 | Control                                       |
| 37   | 144 5773 |                               | Screw short                                   |
| 38   | 144 5987 |                               | Screw                                         |
| 39   | 144 5772 |                               | Screw long                                    |
| 40   | 143 5401 |                               | Housing, complete                             |
| 41   | 144 5746 | PowerBird® Pro GE             | Hanger                                        |
|      | 143 5416 | PowerBird® Pro                | Hanger                                        |
|      | 143 5017 | AccuBird®                     | Hanger                                        |
| 42   | 143 5403 |                               | Cable duct                                    |
| 43   | 143 5016 |                               | Nosepiece magazine                            |
| 44   | 143 4978 |                               | Magazine insert                               |
| 45   | 145 7646 | PowerBird® Pro                | Key complete                                  |
|      | 145 0858 | AccuBird® Pro                 | Key complete                                  |
| 46   | 143 5399 |                               | Tool bar                                      |
| 47   | 143 5396 |                               | Spent mandrel container, complete             |
| 48 • | 145 7641 |                               | Battery                                       |
| 49   | 145 7642 |                               | Battery charger (EU)                          |
|      | 145 7649 |                               | Battery charger (EU)                          |

### • Wearing parts



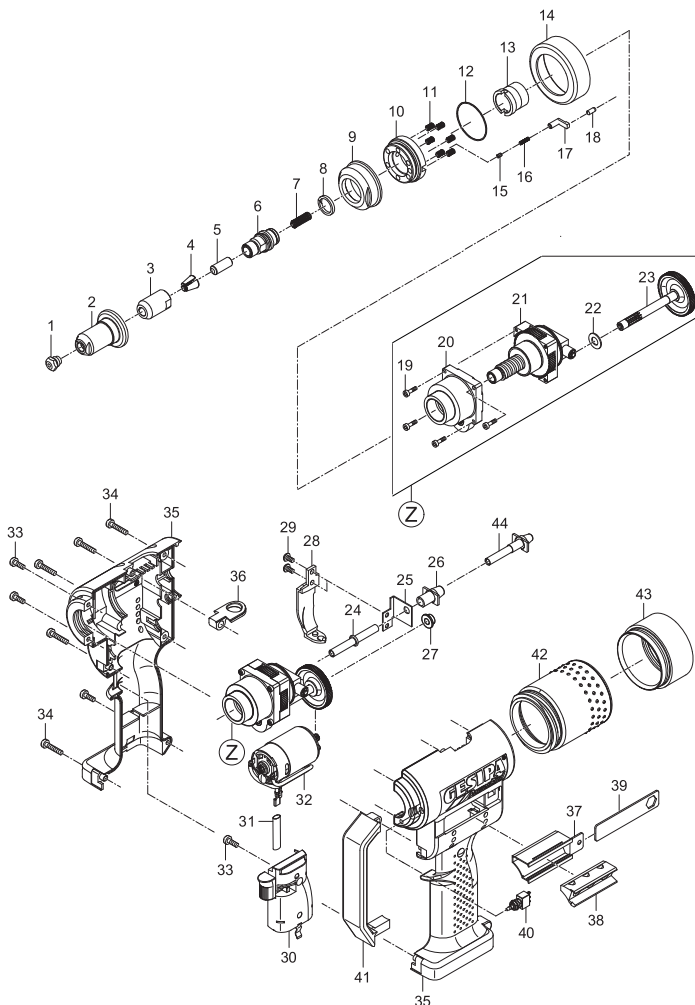
# BATTERY POWERED BLIND RIVET SETTING TOOLS

## Bird series with spring-loaded trigger system

|     | No.      |                              |                    |
|-----|----------|------------------------------|--------------------|
| 1 • | 143 4955 | AccuBird®                    | Nosepiece 17/24    |
|     | 143 4973 |                              | Nosepiece 17/27    |
|     | 143 4974 |                              | Nosepiece 17/29    |
|     | 143 4975 | PowerBird®,<br>PowerBird® GE | Nosepiece 17/32    |
|     | 143 4977 |                              | Nosepiece 17/36    |
|     | 143 4999 |                              | Nosepiece 17/40    |
|     | 143 4860 |                              | Nosepiece 17/45    |
| 2   | 143 4889 |                              | Steel head sleeve  |
| 3 • | 143 4129 |                              | Jaw housing        |
| 4 • | 143 4958 | AccuBird®                    | Jaws (3-part)      |
|     | 143 4104 | PowerBird®,<br>PowerBird® GE | Jaws (3-part)      |
| 5 • | 143 4959 | AccuBird®                    | Jaw pusher         |
|     | 143 4861 | PowerBird®,<br>PowerBird® GE | Jaw pusher         |
| 6   | 143 4957 | AccuBird®                    | Adapter            |
|     | 143 4864 | PowerBird®,<br>PowerBird® GE | Adapter            |
| 7 • | 144 5314 | AccuBird®                    | Compression spring |
|     | 144 5753 | PowerBird®,<br>PowerBird® GE | Compression spring |
| 8   | 143 4966 |                              | Wiper              |
| 9   | 143 4888 |                              | Union nut          |
| 10  | 143 4886 |                              | Adapter            |
| 11  | 144 5269 |                              | Spring             |

|      | No.      |                              |                                     |
|------|----------|------------------------------|-------------------------------------|
| 12   | 143 5529 |                              | O-ring                              |
| 13   | 143 4885 |                              | Bushing                             |
| 14   | 143 4890 |                              | Cover                               |
| 15   | 144 5755 |                              | Stud bolt                           |
| 16   | 144 5751 |                              | Spring                              |
| 17   | 143 4887 |                              | Trigger                             |
| 18   | 144 5328 |                              | Cylinder pin                        |
| 19   | 144 5768 |                              | Allen screw                         |
| 20   | 143 5027 |                              | Bearing, complete                   |
| 21   | 145 7363 | AccuBird®                    | Ball screw drive                    |
|      | 143 4867 | PowerBird®,<br>PowerBird® GE | Ball screw drive                    |
| 22   | 143 4967 |                              | Stop disc                           |
| 23   | 143 5028 |                              | Pinion shaft                        |
| 24   | 143 4871 | PowerBird®,<br>PowerBird® GE | PB tube                             |
| 25   | 143 4873 |                              | Angle                               |
| 26   | 143 4874 |                              | PB tube short                       |
| 27   | 144 5763 |                              | Sintered-metal bushing              |
| 28   | 143 5031 |                              | Magnetic holder                     |
| 29   | 144 5769 |                              | Magnetic holder                     |
| 30   | 143 4892 |                              | E control                           |
| 31   | 144 5774 |                              | Hose complete                       |
| 32 • | 143 5030 | AccuBird®                    | Motor, complete                     |
|      | 143 4862 | PowerBird®,<br>PowerBird® GE | Motor, complete                     |
| 33   | 144 5773 |                              | Housing screw short                 |
| 34   | 144 5772 |                              | Housing screw long                  |
| 35   | 143 4917 | AccuBird®                    | Housing, complete                   |
|      | 143 4891 | PowerBird®,<br>PowerBird® GE | Housing, complete                   |
| 36   | 143 5017 | AccuBird®                    | Hanger                              |
|      | 143 5417 | PowerBird®                   | Hanger                              |
|      | 144 5746 | PowerBird® GE                | Hanger                              |
| 37   | 143 5016 |                              | Nosepiece magazine                  |
| 38   | 143 4978 |                              | Magazine insert                     |
| 39   | 144 5760 |                              | Key                                 |
| 40   | 144 5752 |                              | Button                              |
| 41   | 143 4953 |                              | Hoop guard                          |
| 42   | 143 5032 | AccuBird®, PowerBird®        | Spent mandrel container, complete   |
|      | 143 4851 | PowerBird® GE                | Spent mandrel container, complete   |
| 43   | 143 5034 |                              | Extension                           |
| 44   | 143 4952 | AccuBird®                    | Plastic tube                        |
|      | 146 2907 |                              | Safety lubrication grease 40 g tube |
|      | 143 4815 |                              | Pipe wrench                         |

• Wearing parts



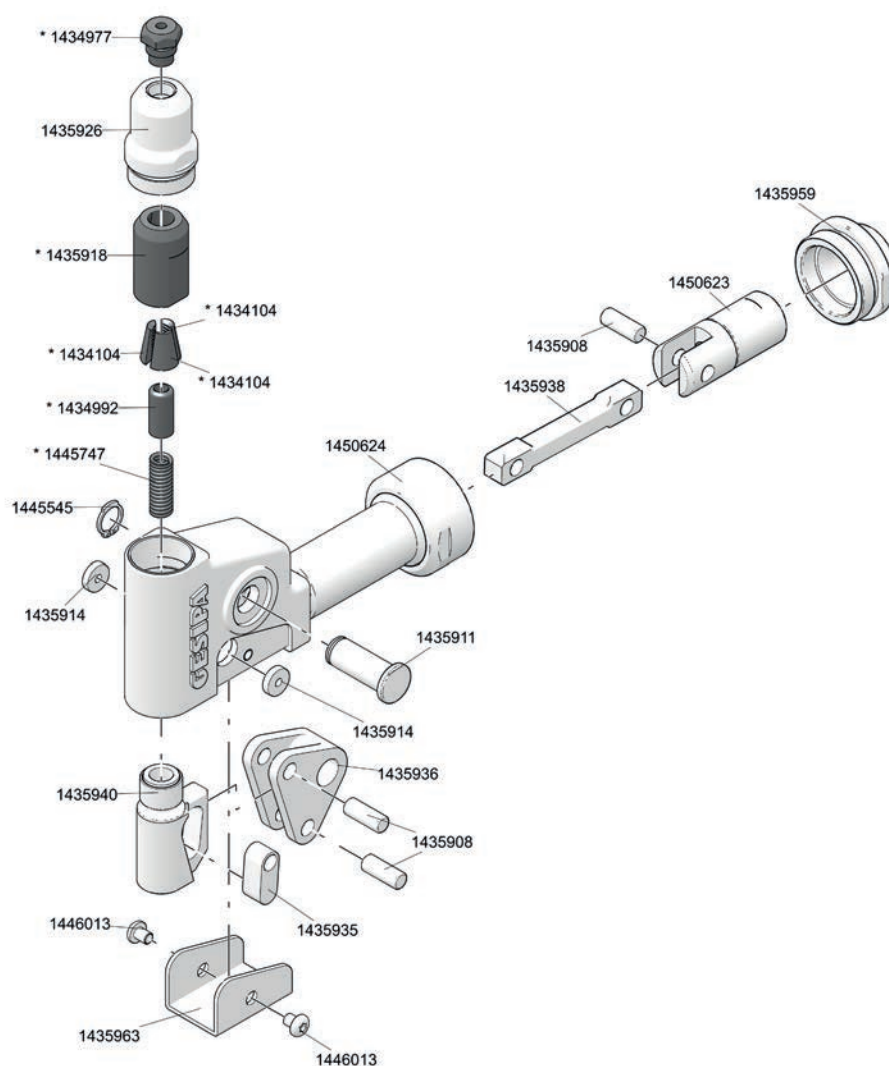
# BATTERY POWERED BLIND RIVET SETTING TOOLS

## **AccuBird® and PowerBird® angle head 90°**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4104* | Jaws (3-part)                                                                     |
| 143 4977* | Nosepiece 17/36                                                                   |
| 143 4992* | Jaw pusher                                                                        |
| 143 5908  | Bolt                                                                              |
| 143 5911  | Axis bolt                                                                         |
| 143 5914  | Spacer                                                                            |
| 143 5918* | Jaw housing                                                                       |
| 143 5926  | Steel head sleeve                                                                 |
| 143 5935  | Coupler                                                                           |
| 143 5936  | Angle                                                                             |

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 5938  | Guiding cable piece                                                               |
| 143 5940  | Lock activator                                                                    |
| 143 5959  | Adapter                                                                           |
| 143 5963  | Protecting cap                                                                    |
| 144 5545  | Snap ring                                                                         |
| 144 5747* | Compression spring                                                                |
| 144 6013  | Oil screw                                                                         |
| 145 0623  | Fork head                                                                         |
| 145 0624  | Housing unit                                                                      |

\* Wearing parts



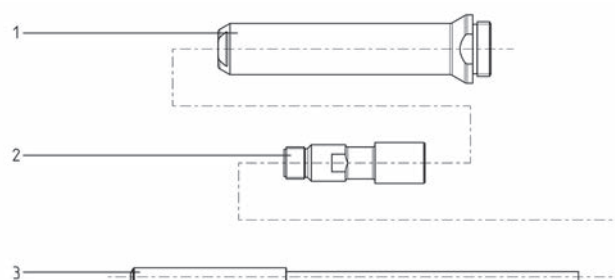
\* Wearing parts

## One-piece extension units

### Extension unit for AccuBird®

50 mm: Article no. 145 7273  
 100 mm: Article no. 145 7274  
 150 mm: Article no. 145 0622

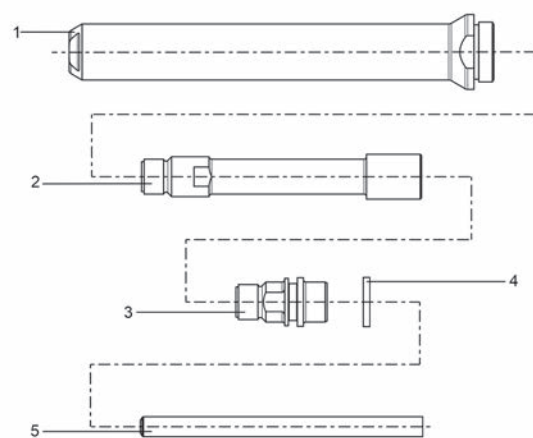
|        |  | No.      |  |
|--------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 50 mm  | 1                                                                                 | 143 4836 | Steel head sleeve                                                                 |
|        | 2                                                                                 | 143 4837 | Extension piece                                                                   |
|        | 3                                                                                 | 143 4903 | Jaw pusher                                                                        |
| 100 mm | 1                                                                                 | 143 4839 | Steel head sleeve                                                                 |
|        | 2                                                                                 | 143 4840 | Extension piece                                                                   |
|        | 3                                                                                 | 143 4996 | Jaw pusher                                                                        |
| 150 mm | 1                                                                                 | 143 4841 | Steel head sleeve                                                                 |
|        | 2                                                                                 | 143 4842 | Extension piece                                                                   |
|        | 3                                                                                 | 143 4905 | Jaw pusher                                                                        |



### Extension unit for PowerBird® - while stocks last

50 mm: Article no. 145 7214  
 100 mm: Article no. 145 7215  
 150 mm: Article no. 146 4038

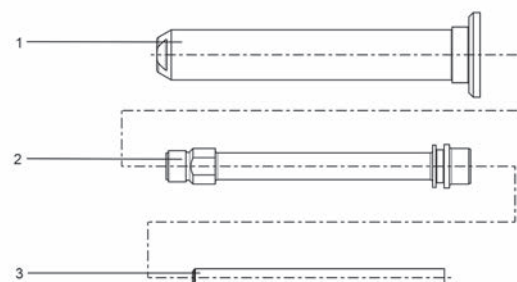
|        |  | No.      |  |
|--------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 50 mm  | 1                                                                                   | 143 4836 | Steel head sleeve                                                                   |
|        | 2                                                                                   | 143 4837 | Extension piece                                                                     |
|        | 3                                                                                   | 143 4957 | Adapter                                                                             |
|        | 4                                                                                   | 143 4966 | Wiper                                                                               |
|        | 5                                                                                   | 143 4838 | Jaw pusher                                                                          |
| 100 mm | 1                                                                                   | 143 4839 | Steel head sleeve                                                                   |
|        | 2                                                                                   | 143 4840 | Extension piece                                                                     |
|        | 3                                                                                   | 143 4957 | Adapter                                                                             |
|        | 4                                                                                   | 143 4966 | Wiper                                                                               |
|        | 5                                                                                   | 143 4870 | Jaw pusher                                                                          |
| 150 mm | 1                                                                                   | 143 4841 | Steel head sleeve                                                                   |
|        | 2                                                                                   | 143 4842 | Extension piece                                                                     |
|        | 3                                                                                   | 143 4957 | Adapter                                                                             |
|        | 4                                                                                   | 143 4966 | Wiper                                                                               |
|        | 5                                                                                   | 143 4843 | Jaw pusher                                                                          |



### Extension unit for PowerBird® spring loaded trigger system - while stocks last

50 mm: Article no. 145 7222  
 100 mm: Article no. 145 7224

|        |  | No.      |  |
|--------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 50 mm  | 1                                                                                   | 143 4832 | Steel head sleeve                                                                   |
|        | 2                                                                                   | 143 4833 | Extension piece                                                                     |
|        | 3                                                                                   | 143 4834 | Jaw pusher                                                                          |
| 100 mm | 1                                                                                   | 143 4849 | Steel head sleeve                                                                   |
|        | 2                                                                                   | 143 4850 | Extension piece                                                                     |
|        | 3                                                                                   | 143 4870 | Jaw pusher                                                                          |

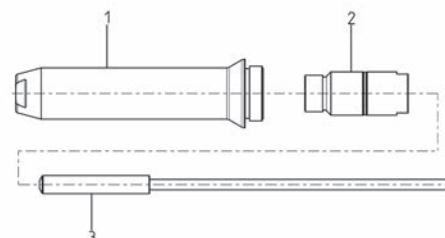


## One-piece extension units

### Extension unit for AccuBird® Pro

|                 |                    |                 |
|-----------------|--------------------|-----------------|
| <b>+35 mm:</b>  | <b>Article no.</b> | <b>145 0860</b> |
| <b>+85 mm:</b>  | <b>Article no.</b> | <b>145 0861</b> |
| <b>+135 mm:</b> | <b>Article no.</b> | <b>145 0862</b> |

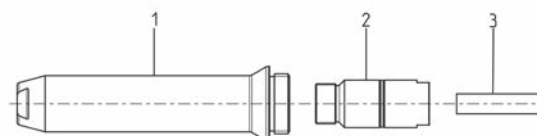
|                |  | No.      |  |
|----------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| <b>+35 mm</b>  | 1                                                                                 | 143 5473 | Extension sleeve                                                                  |
|                | 2                                                                                 | 145 0832 | Extension piece                                                                   |
|                | 3                                                                                 | 143 5427 | Jaw pusher                                                                        |
| <b>+85 mm</b>  | 1                                                                                 | 143 5476 | Extension sleeve                                                                  |
|                | 2                                                                                 | 145 0833 | Extension piece                                                                   |
|                | 3                                                                                 | 143 5428 | Jaw pusher                                                                        |
| <b>+135 mm</b> | 1                                                                                 | 143 5487 | Extension sleeve                                                                  |
|                | 2                                                                                 | 145 0834 | Extension piece                                                                   |
|                | 3                                                                                 | 143 5429 | Jaw pusher                                                                        |



### Extension unit for PowerBird® Pro Gold Edition

|                 |                    |                 |
|-----------------|--------------------|-----------------|
| <b>+35 mm:</b>  | <b>Article no.</b> | <b>145 7650</b> |
| <b>+85 mm:</b>  | <b>Article no.</b> | <b>145 7651</b> |
| <b>+135 mm:</b> | <b>Article no.</b> | <b>145 0823</b> |

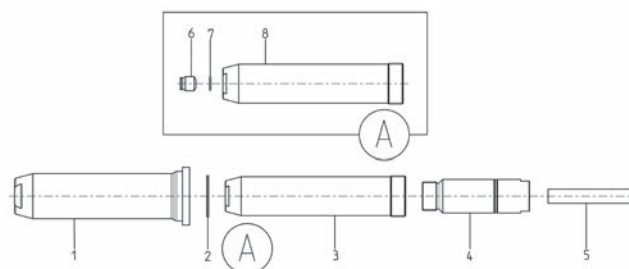
|                |  | No.      |  |
|----------------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| <b>+35 mm</b>  | 1                                                                                   | 143 5473 | Extension sleeve                                                                    |
|                | 2                                                                                   | 145 0832 | Jaw pusher                                                                          |
|                | 3                                                                                   | 143 5881 | Extension piece                                                                     |
| <b>+85 mm</b>  | 1                                                                                   | 143 5476 | Extension sleeve                                                                    |
|                | 2                                                                                   | 145 0833 | Jaw pusher                                                                          |
|                | 3                                                                                   | 143 5882 | Extension piece                                                                     |
| <b>+135 mm</b> | 1                                                                                   | 143 5487 | Extension sleeve                                                                    |
|                | 2                                                                                   | 145 0834 | Jaw pusher                                                                          |
|                | 3                                                                                   | 143 5879 | Extension piece                                                                     |



### Extension unit for PowerBird® Pro Gold Edition spring loaded trigger system

|                 |                    |                 |
|-----------------|--------------------|-----------------|
| <b>+50 mm:</b>  | <b>Article no.</b> | <b>145 0821</b> |
| <b>+100 mm:</b> | <b>Article no.</b> | <b>145 0822</b> |

|                |  | No.      |  |
|----------------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| <b>+50 mm</b>  | 1                                                                                   | 143 5433 | Steel head sleeve AV                                                                |
|                | 2                                                                                   | 143 4253 | O-ring                                                                              |
|                | 3                                                                                   | 145 0830 | Support sleeve AV complete                                                          |
|                | 4                                                                                   | 145 0835 | Extension piece                                                                     |
|                | 5                                                                                   | 143 5902 | Intermediate bush 1                                                                 |
|                | 6                                                                                   | 143 5601 | Nosepiece                                                                           |
|                | 7                                                                                   | 144 6010 | Snap ring                                                                           |
|                | 8                                                                                   | 143 5431 | Support sleeve AV                                                                   |
| <b>+100 mm</b> | 1                                                                                   | 143 5434 | Steel head sleeve AV                                                                |
|                | 2                                                                                   | 143 4253 | O-ring                                                                              |
|                | 3                                                                                   | 145 0831 | Support sleeve AV complete                                                          |
|                | 4                                                                                   | 145 0836 | Extension piece                                                                     |
|                | 5                                                                                   | 143 5903 | Intermediate bush 1                                                                 |
|                | 6                                                                                   | 143 5601 | Nosepiece                                                                           |
|                | 7                                                                                   | 144 6010 | Snap ring                                                                           |
|                | 8                                                                                   | 143 5432 | Support sleeve AV                                                                   |



**!** Extension units also suitable for the new CAS tools.





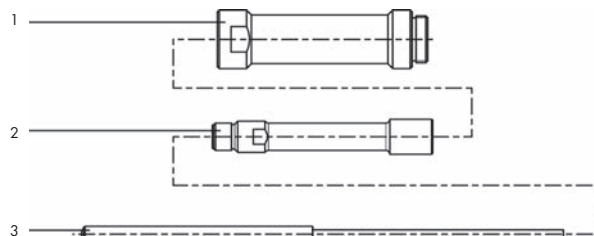
## Multi-piece extension units

arbitrary extension of the tool head in 100 mm steps

### AccuBird® extension unit 100 mm - while stocks last

Article no. 145 7318

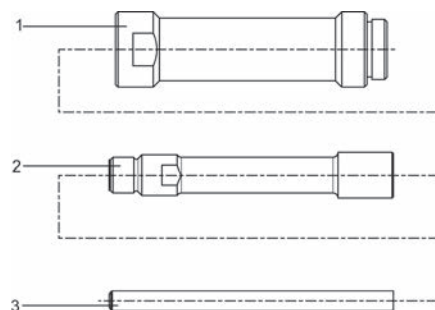
|   | No.      |                  |
|---|----------|------------------|
| 1 | 143 4995 | Extension sleeve |
| 2 | 143 4165 | Extension piece  |
| 3 | 143 4996 | Jaw pusher       |



### PowerBird® extension unit 100 mm - while stocks last

Article no. 145 7229

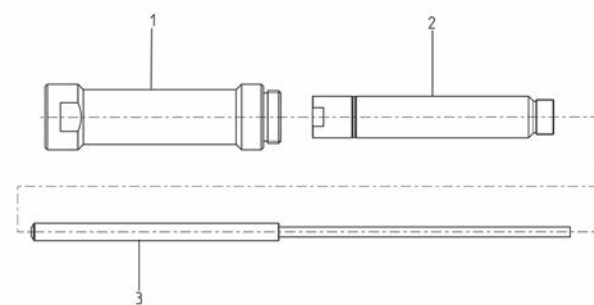
|   | No.      |                  |
|---|----------|------------------|
| 1 | 143 4995 | Extension sleeve |
| 2 | 143 4165 | Extension piece  |
| 3 | 143 4870 | Jaw pusher       |



### AccuBird® Pro extension unit 100 mm

Article no. 145 0859

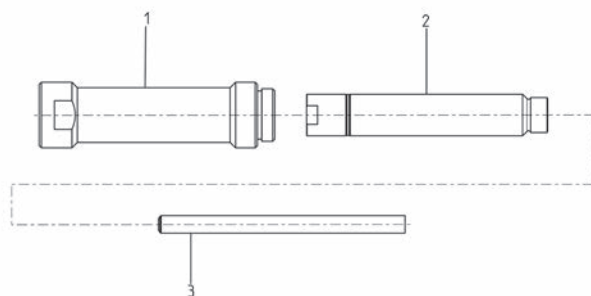
|   | No.      |                  |
|---|----------|------------------|
| 1 | 143 4995 | Extension sleeve |
| 2 | 162 3993 | Adapter          |
| 3 | 143 5430 | Jaw pusher       |



### PowerBird® Pro Gold Edition extension unit 100 mm

Article no. 145 0820

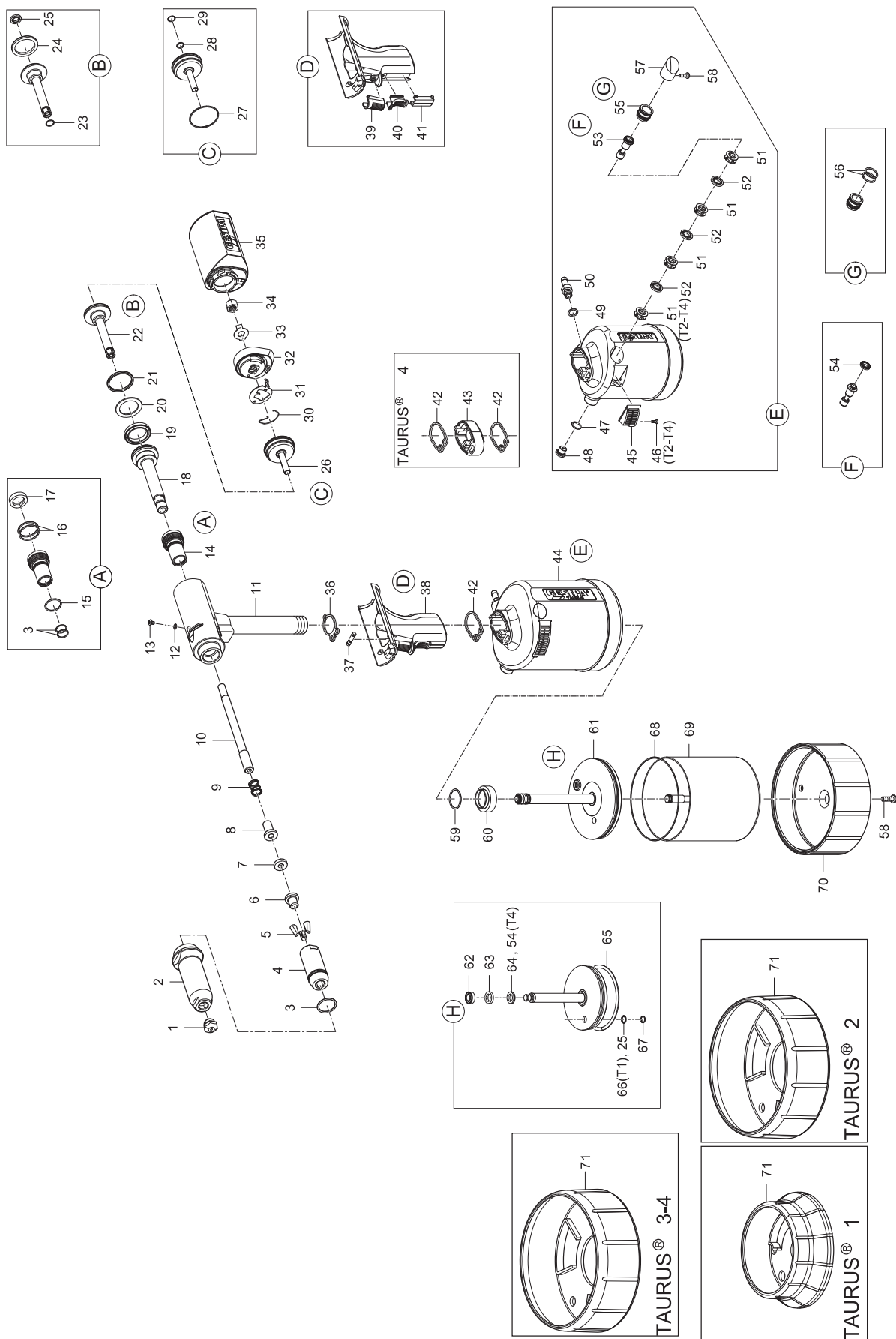
|   | No.      |                  |
|---|----------|------------------|
| 1 | 143 4995 | Extension sleeve |
| 2 | 162 3993 | Adapter          |
| 3 | 143 4870 | Jaw pusher       |



Extension units also suitable for the new CAS tools.

## HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

**TAURUS® 1-4**



# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 1-4

|      |            | No.      |                                   |
|------|------------|----------|-----------------------------------|
| 1 •  | T1         | 143 4976 | Nosepiece 17/18                   |
|      |            | 143 4994 | Nosepiece 17/20                   |
|      |            | 143 5018 | Nosepiece 17/22                   |
|      | T2         | 143 4955 | Nosepiece 17/24                   |
|      |            | 143 4973 | Nosepiece 17/27                   |
|      |            | 143 4974 | Nosepiece 17/29                   |
|      |            | 143 4975 | Nosepiece 17/32                   |
|      | T3, T4     | 143 4977 | Nosepiece 17/36                   |
|      |            | 143 4999 | Nosepiece 17/40                   |
|      |            | 143 4860 | Nosepiece 17/45                   |
| 2    |            | 143 6003 | Steel head sleeve                 |
| 3 •  |            | 144 6012 | O-ring                            |
| 4 •  |            | 143 6002 | Jaw housing 4                     |
| 5 •  |            | 143 5568 | Jaws (3-part)                     |
| 6 •  | T1         | 143 5507 | Jaw pusher 1                      |
|      | T2         | 143 5768 | Jaw pusher 2                      |
|      | T3, T4     | 143 6000 | Jaw pusher 4                      |
| 7    |            | 143 5999 | Damping ring 4                    |
| 8    | T1         | 143 5509 | Centre part 1                     |
|      | T2         | 143 5769 | Centre part 2                     |
|      | T3, T4     | 143 6001 | Centre part 3                     |
| 9 •  |            | 146 3064 | Spring                            |
| 10   | T1         | 143 5558 | Nozzle tube 1                     |
|      | T2         | 143 5764 | Nozzle tube 2, longe              |
|      | T3, T4     | 143 5886 | Nozzle tube 3, longe              |
| 11   | T1         | 145 7745 | Tool head 1, assembled            |
|      | T2, T3     | 145 7856 | Tool head 2, assembled            |
|      | T4         | 145 7992 | Tool head 4, assembled            |
| 12   |            | 144 6013 | Oil screw plug                    |
| 13   |            | 143 5612 | Sealing ring M4                   |
| 14   |            | 143 5681 | Seal holder, complete             |
| 15 • |            | 143 5629 | O-ring                            |
| 16 • |            | 143 4227 | O-ring                            |
| 17 • |            | 143 5630 | Rod seal                          |
| 18   |            | 143 5631 | Draw bar                          |
| 19 • |            | 143 5632 | Piston seal                       |
| 20 • |            | 143 5488 | Supporting ring                   |
| 21 • |            | 143 5485 | Piston seal                       |
| 22   |            | 145 7746 | Resetting piston, complete        |
| 23   |            | 143 5671 | O-ring                            |
| 24 • |            | 143 5633 | Piston seal                       |
| 25   |            | 143 5635 | Rod seal                          |
| 26   | T1         | 165 1223 | End cap                           |
|      | T2, T3, T4 | 145 7840 | End cap                           |
| 27   |            | 143 5524 | O-ring                            |
| 28   |            | 143 5519 | O-ring                            |
| 29   |            | 144 6167 | Snap ring                         |
| 30   |            | 144 6028 | Retaining spring                  |
| 31   |            | 143 5664 | Retainer                          |
| 32   |            | 143 5663 | Adapter                           |
| 33   |            | 143 5842 | Lock washer                       |
| 34   | T1         | 143 5849 | Connecting piece nut 1            |
|      | T2, T3, T4 | 143 5766 | Connecting piece nut 2/3          |
| 35   | T1, T2     | 143 5677 | Spent mandrel container, complete |
|      | T3, T4     | 143 5964 | Spent mandrel container, complete |
| 36 • |            | 143 5472 | Flat gasket 1                     |
| 37   |            | 145 7747 | Distributing valve, complete      |
| 38   |            | 145 7748 | Grip, complete                    |
| 39   |            | 144 6025 | Activation button                 |
| 40   |            | 143 5642 | Slider                            |
| 41   |            | 143 5686 | Orifice                           |
| 42 • |            | 143 5480 | Flat gasket 2                     |
| 43   | T4         | 143 5998 | Grip extension                    |

|      |            | No.      |                                     |
|------|------------|----------|-------------------------------------|
| 44   | T1         | 145 7749 | Air cylinder 1, complete            |
|      | T2         | 145 7859 | Air cylinder 2, complete            |
|      | T3         | 145 7950 | Air cylinder 3, complete            |
|      | T4         | 145 7993 | Air cylinder 4, complete            |
| 45   | T1         | 151 5051 | Silencer complete                   |
|      | T2         | 145 7862 | Silencer complete                   |
|      | T3, T4     | 145 7956 | Silencer complete                   |
| 46   |            | 144 6089 | Screw                               |
| 47   |            | 143 5484 | O-ring                              |
| 48   |            | 145 7750 | Pressure relief valve, complete     |
| 49   |            | 144 6030 | Sealing ring                        |
| 50   |            | 143 5667 | Connecting nipple                   |
| 51   |            | 143 5648 | Spacer cage                         |
| 52   |            | 143 5647 | Rod seal                            |
| 53 • |            | 145 7694 | Control piston                      |
| 54   |            | 143 5675 | Piston seal                         |
| 55   |            | 143 7693 | Piston housing                      |
| 56   |            | 143 5688 | O-ring                              |
| 57   | T1         | 144 6026 | Stopper 1                           |
|      | T2         | 144 6073 | Stopper 2                           |
|      | T3, T4     | 144 6100 | Stopper 3                           |
| 58   |            | 144 5773 | Housing screw short                 |
| 59   |            | 143 5486 | O-ring                              |
| 60   |            | 143 5492 | Al nut                              |
| 61 • | T1         | 145 7751 | Air piston 1, complete              |
|      | T2         | 145 7860 | Air piston 2, complete              |
|      | T3         | 145 7952 | Air piston 3, complete              |
|      | T4         | 145 7994 | Air piston 4, complete              |
| 62 • | T1         | 143 5658 | Piston seal                         |
|      | T2, T3     | 143 5841 | Piston seal                         |
|      | T4         | 143 6007 | Piston seal                         |
| 63 • | T1         | 143 5657 | Guide ring 1                        |
|      | T2, T3     | 143 5825 | Guide ring 2                        |
|      | T4         | 143 6006 | Guide ring 4                        |
| 64 • | T1         | 143 5656 | Piston seal                         |
|      | T2, T3     | 143 5670 | Piston seal                         |
| 65 • | T1         | 143 5660 | O-ring                              |
|      | T2         | 143 5834 | O-ring                              |
|      | T3, T4     | 143 5937 | O-ring                              |
| 66   | T1         | 143 5659 | Rod seal                            |
| 67   | T1         | 144 6027 | Snap ring                           |
|      | T2, T3, T4 | 144 6082 | V-profile ring                      |
| 68   | T1         | 143 5680 | O-ring                              |
|      | T2         | 143 5839 | O-ring                              |
|      | T3, T4     | 143 5927 | O-ring                              |
| 69   | T1         | 145 7752 | Cylinder 1, complete                |
|      | T2         | 145 7861 | Cylinder 2, complete                |
|      | T3         | 145 7953 | Cylinder 3, complete                |
|      | T4         | 145 7995 | Cylinder 4, complete                |
| 70   | T1         | 143 5508 | Bottom 1                            |
|      | T2         | 143 5761 | Bottom 2                            |
|      | T3, T4     | 143 5874 | Bottom 3                            |
| 71   | T1         | 143 6394 | Rubber foot 1                       |
|      | T2         | 143 6371 | Rubber foot 2                       |
|      | T3, T4     | 143 5900 | Rubber foot 3 - 4                   |
|      | T2, T3     | 145 7863 | Jaw pusher changeover set           |
|      | T1         | 145 7700 | Changeover set                      |
|      | T2, T3, T4 | 145 7703 | Changeover set                      |
|      |            | 144 5294 | Hydraulic oil refill bottle, 100 ml |

• Wearing parts

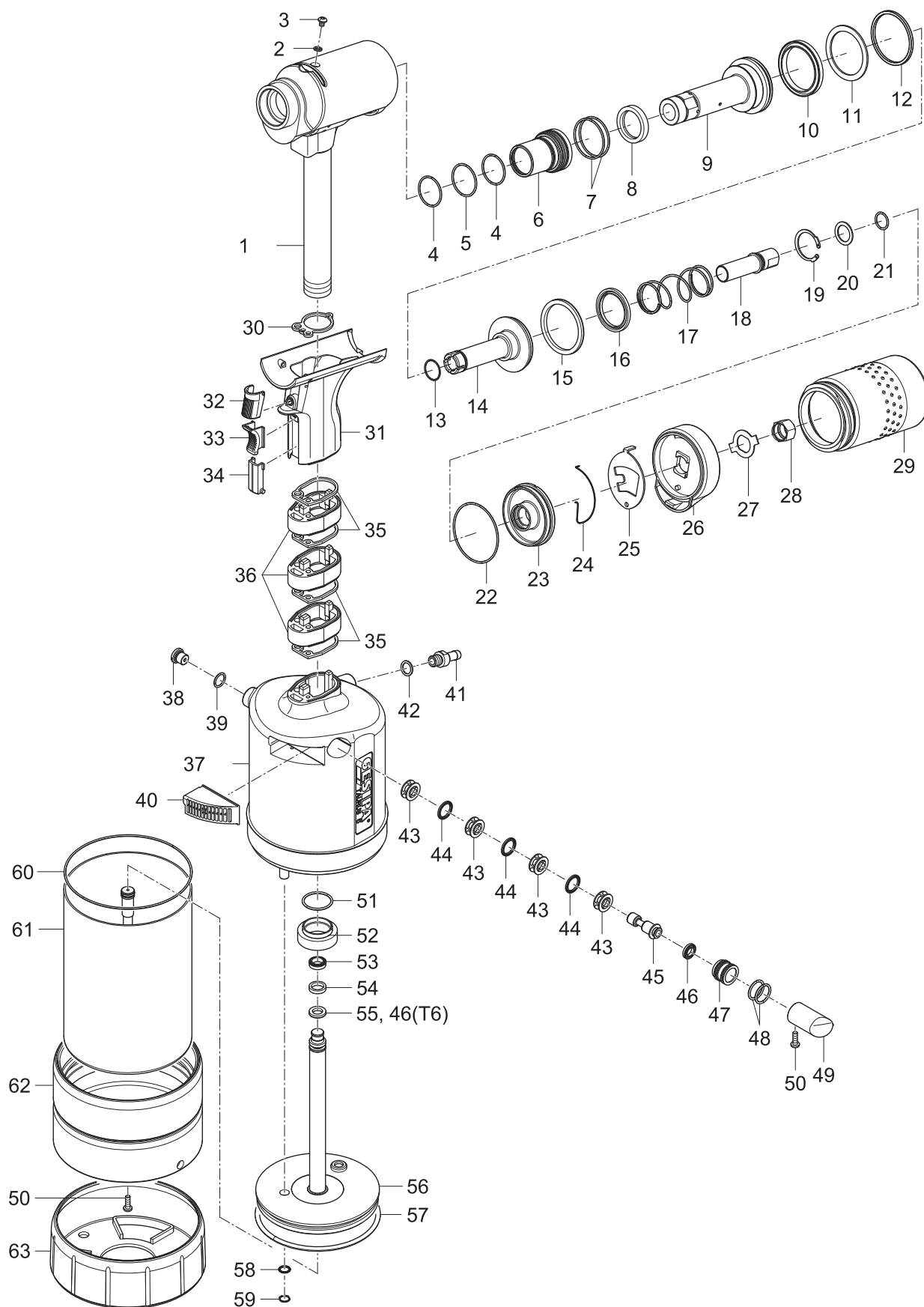
\* Up to and including tools manufactured in September 2015.



You will find spare part kits for TAURUS® 1-4 on page 355.  
You will find detailed nosepiece allocation tables on page 130.

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 5-6



# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 5-6

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1                                                                                 | <b>T5</b>                                                                         | 145 8010 | Tool head 5, assembled                                                            |
|                                                                                   | <b>T6</b>                                                                         | 145 8023 | Tool head 6, assembled                                                            |
| 2                                                                                 |                                                                                   | 143 5612 | Sealing ring M4                                                                   |
| 3                                                                                 |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 4                                                                                 |                                                                                   | 143 6044 | O-ring                                                                            |
| 5 •                                                                               |                                                                                   | 143 6045 | O-ring                                                                            |
| 6                                                                                 |                                                                                   | 145 8011 | Seal holder, complete                                                             |
| 7 •                                                                               |                                                                                   | 143 6047 | O-ring                                                                            |
| 8 •                                                                               |                                                                                   | 143 6048 | Rod seal                                                                          |
| 9                                                                                 |                                                                                   | 143 6036 | Draw bar                                                                          |
| 10 •                                                                              |                                                                                   | 143 6049 | Cylinder seal                                                                     |
| 11 •                                                                              |                                                                                   | 143 6052 | Supporting ring                                                                   |
| 12 •                                                                              |                                                                                   | 143 6051 | Piston seal                                                                       |
| 13                                                                                |                                                                                   | 143 6046 | O-ring                                                                            |
| 14                                                                                |                                                                                   | 145 8012 | Resetting piston, complete                                                        |
| 15                                                                                |                                                                                   | 143 6050 | Lip ring                                                                          |
| 16 •                                                                              |                                                                                   | 143 6053 | Rod seal                                                                          |
| 17                                                                                |                                                                                   | 144 6123 | Spring                                                                            |
| 18                                                                                |                                                                                   | 143 6030 | Connecting piece                                                                  |
| 19                                                                                |                                                                                   | 144 6124 | V-profile ring                                                                    |
| 20                                                                                |                                                                                   | 144 6125 | Washer                                                                            |
| 21                                                                                |                                                                                   | 143 6042 | O-ring                                                                            |
| 22                                                                                |                                                                                   | 143 6043 | O-ring                                                                            |
| 23                                                                                |                                                                                   | 143 6034 | End cap                                                                           |
| 24                                                                                |                                                                                   | 144 6122 | Retaining spring                                                                  |
| 25                                                                                |                                                                                   | 143 6026 | Retainer                                                                          |
| 26                                                                                |                                                                                   | 143 6028 | Adapter                                                                           |
| 27                                                                                |                                                                                   | 143 6025 | Lock washer                                                                       |
| 28                                                                                |                                                                                   | 143 6029 | Connecting piece nut                                                              |
| 29                                                                                |                                                                                   | 143 6058 | Spent mandrel container, complete                                                 |
| 30 •                                                                              |                                                                                   | 143 5472 | Flat gasket 1                                                                     |
| 31                                                                                |                                                                                   | 145 7748 | Grip, complete                                                                    |
| 32                                                                                |                                                                                   | 144 6025 | Activation button                                                                 |
| 33                                                                                |                                                                                   | 143 5642 | Slider                                                                            |
| 34                                                                                |                                                                                   | 143 5686 | Orifice                                                                           |
| 35 •                                                                              |                                                                                   | 143 5480 | Flat gasket 2                                                                     |
| 36                                                                                |                                                                                   | 143 5998 | Grip extension                                                                    |

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 37                                                                                | <b>T5</b>                                                                          | 145 8013 | Air cylinder 5, complete                                                            |
|                                                                                   | <b>T6</b>                                                                          | 146 4043 | Air cylinder 6, complete                                                            |
| 38                                                                                |                                                                                    | 145 7750 | Pressure relief valve, complete                                                     |
| 39                                                                                |                                                                                    | 143 5484 | O-ring                                                                              |
| 40                                                                                |                                                                                    | 145 7956 | Silencer 3, complete                                                                |
| 41                                                                                |                                                                                    | 144 6030 | Seal                                                                                |
| 42                                                                                |                                                                                    | 143 5667 | Connecting nipple                                                                   |
| 43                                                                                |                                                                                    | 143 5648 | Spacer cage                                                                         |
| 44                                                                                |                                                                                    | 143 5647 | Rod seal                                                                            |
| 45                                                                                |                                                                                    | 143 5651 | Control piston                                                                      |
| 46 •                                                                              |                                                                                    | 143 5675 | Piston seal                                                                         |
| 47                                                                                |                                                                                    | 143 5652 | Piston housing                                                                      |
| 48                                                                                |                                                                                    | 143 5688 | O-ring                                                                              |
| 49                                                                                |                                                                                    | 144 5773 | Housing screw, short                                                                |
| 50                                                                                |                                                                                    | 144 6100 | Stopper 3                                                                           |
| 51                                                                                |                                                                                    | 143 5486 | O-ring                                                                              |
| 52                                                                                |                                                                                    | 143 5492 | Al nut                                                                              |
| 53 •                                                                              | <b>T5</b>                                                                          | 143 6056 | Cylinder seal                                                                       |
|                                                                                   | <b>T6</b>                                                                          | 143 6007 | Piston seal                                                                         |
| 54 •                                                                              | <b>T5</b>                                                                          | 143 6040 | Guide ring 5                                                                        |
|                                                                                   | <b>T6</b>                                                                          | 143 6006 | Guide ring 4                                                                        |
| 55 •                                                                              | <b>T5</b>                                                                          | 143 6055 | Lip ring                                                                            |
| 56                                                                                | <b>T5</b>                                                                          | 145 8015 | Air piston 5, complete                                                              |
|                                                                                   | <b>T6</b>                                                                          | 145 8024 | Air piston 6, complete                                                              |
| 57 •                                                                              |                                                                                    | 143 5937 | O-ring                                                                              |
| 58                                                                                |                                                                                    | 143 5635 | Rod seal                                                                            |
| 59                                                                                |                                                                                    | 144 6082 | V-profile ring                                                                      |
| 60                                                                                |                                                                                    | 143 5927 | O-ring                                                                              |
| 61                                                                                | <b>T5</b>                                                                          | 145 8014 | Cylinder 5, complete                                                                |
|                                                                                   | <b>T6</b>                                                                          | 146 4044 | Cylinder 6, complete                                                                |
| 62                                                                                |                                                                                    | 143 6027 | Al bottom                                                                           |
| 63                                                                                |                                                                                    | 143 5900 | Rubber foot                                                                         |
|                                                                                   |                                                                                    | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

• Wearing parts

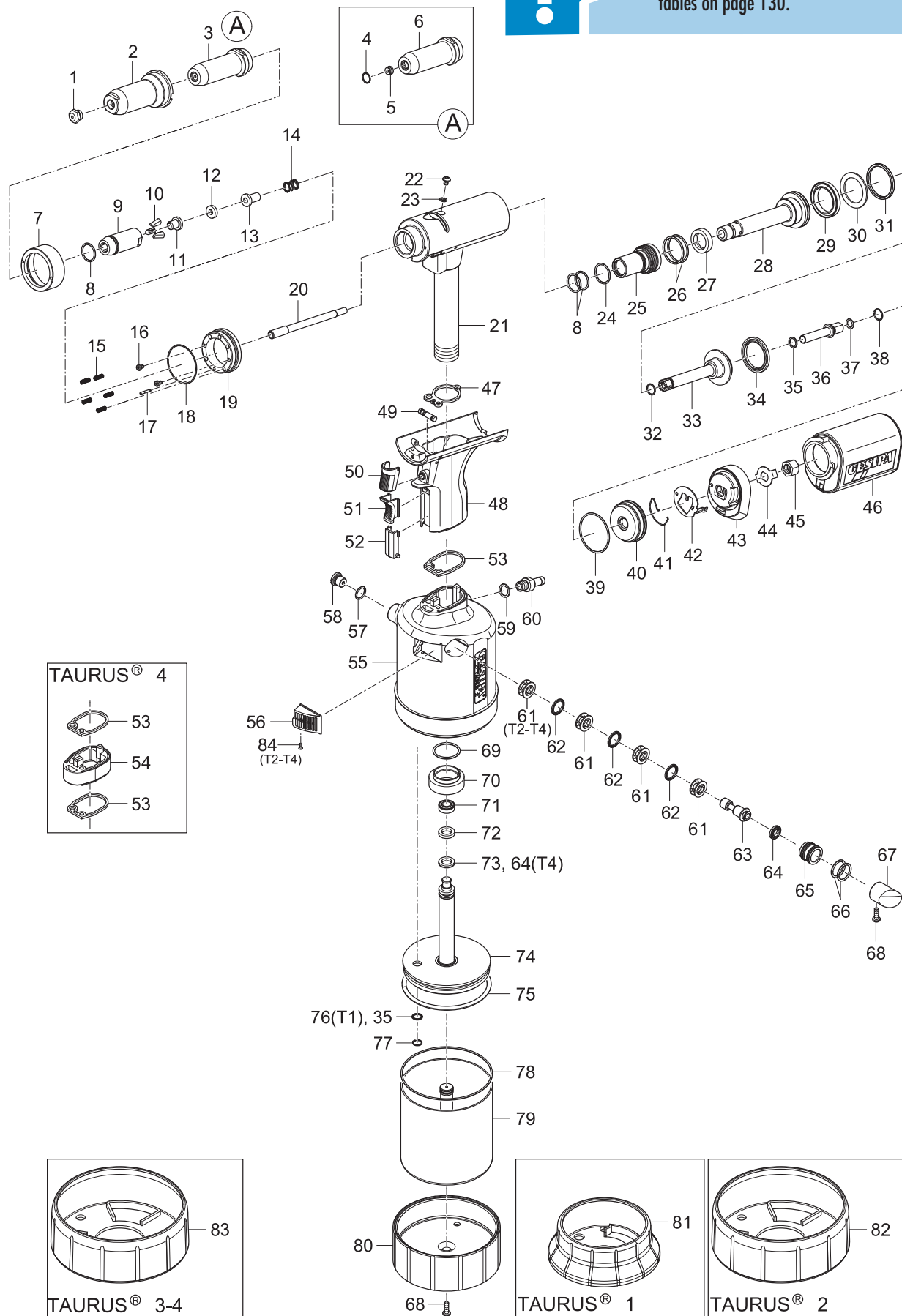


# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 1-4 AV



You will find detailed nosepiece allocation tables on page 130.



# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 1-4 AV

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | <b>T1</b>                                                                         | 143 5591 | Nosepiece 17/18 AV                                                                |
|                                                                                   |                                                                                   | 143 4990 | Nosepiece 17/20 AV                                                                |
|                                                                                   |                                                                                   | 143 4991 | Nosepiece 17/22 AV                                                                |
|                                                                                   | <b>T2</b>                                                                         | 143 5592 | Nosepiece 17/24 AV                                                                |
|                                                                                   |                                                                                   | 143 5593 | Nosepiece 17/27 AV                                                                |
|                                                                                   |                                                                                   | 143 5594 | Nosepiece 17/29 AV                                                                |
|                                                                                   |                                                                                   | 143 5595 | Nosepiece 17/32 AV                                                                |
|                                                                                   | <b>T3, T4</b>                                                                     | 143 5596 | Nosepiece 17/36 AV                                                                |
|                                                                                   |                                                                                   | 143 5597 | Nosepiece 17/40 AV                                                                |
|                                                                                   |                                                                                   | 143 5598 | Nosepiece 17/45 AV                                                                |
| 2                                                                                 |                                                                                   | 143 5466 | Steel head sleeve                                                                 |
| 3                                                                                 | <b>T1</b>                                                                         | 145 0887 | Support sleeve AV complete                                                        |
|                                                                                   | <b>T2</b>                                                                         | 145 0943 | Support sleeve AV complete                                                        |
|                                                                                   | <b>T3, T4</b>                                                                     | 145 0978 | Support sleeve AV complete                                                        |
| 4 •                                                                               |                                                                                   | 144 6010 | Snap ring                                                                         |
| 5 •                                                                               | <b>T1</b>                                                                         | 143 5599 | Nosepiece Ø 2,5                                                                   |
|                                                                                   | <b>T2</b>                                                                         | 143 5600 | Nosepiece Ø 3,2                                                                   |
|                                                                                   | <b>T3, T4</b>                                                                     | 143 5601 | Nosepiece Ø 4,5                                                                   |
| 6                                                                                 |                                                                                   | 143 5467 | Support sleeve AV                                                                 |
| 7                                                                                 |                                                                                   | 143 5499 | Union nut                                                                         |
| 8                                                                                 |                                                                                   | 144 6012 | O-ring                                                                            |
| 9                                                                                 |                                                                                   | 143 6002 | Jaw housing 4                                                                     |
| 10 •                                                                              |                                                                                   | 143 5568 | Jaws (3-part)                                                                     |
| 11 •                                                                              | <b>T1</b>                                                                         | 143 5507 | Jaw Pusher 1                                                                      |
|                                                                                   | <b>T2</b>                                                                         | 143 5768 | Jaw Pusher 2                                                                      |
|                                                                                   | <b>T3, T4</b>                                                                     | 143 6000 | Jaw Pusher 4                                                                      |
| 12                                                                                |                                                                                   | 143 5999 | Damping ring 4                                                                    |
| 13                                                                                | <b>T1</b>                                                                         | 143 5509 | Centre part 1                                                                     |
|                                                                                   | <b>T2</b>                                                                         | 143 5769 | Centre part 2                                                                     |
|                                                                                   | <b>T3, T4</b>                                                                     | 143 6001 | Centre part 4                                                                     |
| 14 •                                                                              |                                                                                   | 146 3064 | Spring                                                                            |
| 15 •                                                                              |                                                                                   | 144 5994 | Spring                                                                            |
| 16                                                                                |                                                                                   | 144 5995 | Allen screw                                                                       |
| 17                                                                                |                                                                                   | 152 4521 | Stamp                                                                             |
| 18                                                                                |                                                                                   | 143 5529 | O-ring                                                                            |
| 19                                                                                |                                                                                   | 143 5498 | Casing                                                                            |
| 20                                                                                | <b>T1</b>                                                                         | 143 5558 | Nozzle tube 1                                                                     |
|                                                                                   | <b>T2</b>                                                                         | 143 5764 | Nozzle tube 2, long                                                               |
|                                                                                   | <b>T3, T4</b>                                                                     | 143 5886 | Nozzle tube 3, long                                                               |
| 21                                                                                | <b>T1</b>                                                                         | 145 7696 | Tool head, assembled                                                              |
|                                                                                   | <b>T2, T3</b>                                                                     | 145 7842 | Tool head, assembled                                                              |
|                                                                                   | <b>T4</b>                                                                         | 145 7996 | Tool head, assembled                                                              |
| 22                                                                                |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 23                                                                                |                                                                                   | 143 5612 | Sealing ring M4                                                                   |
| 24 •                                                                              |                                                                                   | 143 5629 | O-ring                                                                            |
| 25                                                                                |                                                                                   | 143 5681 | Seal holder, complete                                                             |
| 26 •                                                                              |                                                                                   | 143 4227 | O-ring                                                                            |
| 27 •                                                                              |                                                                                   | 143 5630 | Rod seal                                                                          |
| 28                                                                                |                                                                                   | 143 5631 | Draw bar                                                                          |
| 29 •                                                                              |                                                                                   | 143 5632 | Piston seal                                                                       |
| 30 •                                                                              |                                                                                   | 143 5488 | Supporting ring                                                                   |
| 31 •                                                                              |                                                                                   | 143 5485 | Piston seal                                                                       |
| 32 •                                                                              |                                                                                   | 143 5671 | O-ring                                                                            |
| 33                                                                                |                                                                                   | 145 7746 | Resetting piston, complete                                                        |
| 34 •                                                                              |                                                                                   | 143 5633 | Piston seal                                                                       |
| 35 •                                                                              |                                                                                   | 143 5635 | Rod seal                                                                          |
| 36                                                                                | <b>T1</b>                                                                         | 143 5852 | Connecting piece 1                                                                |
|                                                                                   | <b>T2, T3, T4</b>                                                                 | 143 5765 | Connecting piece 2/3                                                              |
| 37                                                                                |                                                                                   | 143 5519 | O-ring                                                                            |
| 38                                                                                |                                                                                   | 144 6167 | Snap ring                                                                         |
| 39                                                                                |                                                                                   | 143 5524 | O-ring                                                                            |
| 40                                                                                |                                                                                   | 143 5532 | End cap                                                                           |
| 41                                                                                |                                                                                   | 144 6028 | Retaining spring                                                                  |
| 42                                                                                |                                                                                   | 143 5664 | Retainer                                                                          |
| 43                                                                                |                                                                                   | 143 5663 | Adapter                                                                           |
| 44                                                                                |                                                                                   | 143 5842 | Lock washer                                                                       |
| 45                                                                                | <b>T1</b>                                                                         | 143 5849 | Connecting piece nut 1                                                            |
|                                                                                   | <b>T2, T3, T4</b>                                                                 | 143 5766 | Connecting piece nut 2/3                                                          |

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 46                                                                                | <b>T1, T2</b>                                                                      | 143 5677 | Spent mandrel container, complete                                                   |
|                                                                                   | <b>T3, T4</b>                                                                      | 143 5964 | Spent mandrel container, complete                                                   |
| 47 •                                                                              |                                                                                    | 143 5472 | Flat gasket 1                                                                       |
| 48                                                                                |                                                                                    | 143 7695 | Grip, complete                                                                      |
| 49                                                                                |                                                                                    | 145 7747 | Distributing valve                                                                  |
| 50                                                                                |                                                                                    | 144 6025 | Activation button                                                                   |
| 51                                                                                |                                                                                    | 143 5642 | Slider                                                                              |
| 52                                                                                |                                                                                    | 143 5686 | Orifice                                                                             |
| 53 •                                                                              |                                                                                    | 143 5480 | Flat gasket 2                                                                       |
| 54                                                                                |                                                                                    | 143 5998 | Grip extension                                                                      |
| 55                                                                                | <b>T1</b>                                                                          | 145 7749 | Air cylinder, complete                                                              |
|                                                                                   | <b>T2</b>                                                                          | 145 7859 | Air cylinder, complete                                                              |
|                                                                                   | <b>T3</b>                                                                          | 145 7950 | Air cylinder, complete                                                              |
|                                                                                   | <b>T4</b>                                                                          | 145 7993 | Air cylinder, complete                                                              |
| 56                                                                                | <b>T1</b>                                                                          | 151 5051 | Silencer complete                                                                   |
|                                                                                   | <b>T2</b>                                                                          | 145 7862 | Silencer complete                                                                   |
|                                                                                   | <b>T3, T4</b>                                                                      | 145 7956 | Silencer complete                                                                   |
| 57                                                                                |                                                                                    | 145 7750 | Pressure relief valve                                                               |
| 58                                                                                |                                                                                    | 143 5484 | O-ring                                                                              |
| 59                                                                                |                                                                                    | 143 5667 | Connecting nipple                                                                   |
| 60                                                                                |                                                                                    | 144 6030 | Sealing ring                                                                        |
| 61                                                                                |                                                                                    | 143 5648 | Spacer cage                                                                         |
| 62 •                                                                              |                                                                                    | 143 5647 | Rod seal                                                                            |
| 63                                                                                |                                                                                    | 143 5651 | Control piston                                                                      |
| 64 •                                                                              |                                                                                    | 143 5675 | Piston seal                                                                         |
| 65                                                                                |                                                                                    | 143 5652 | Piston housing                                                                      |
| 66 •                                                                              |                                                                                    | 143 5688 | O-ring                                                                              |
| 67                                                                                | <b>T1</b>                                                                          | 144 6026 | Stopper 1                                                                           |
|                                                                                   | <b>T2</b>                                                                          | 144 6073 | Stopper 2                                                                           |
|                                                                                   | <b>T3, T4</b>                                                                      | 144 6100 | Stopper 3                                                                           |
| 68                                                                                |                                                                                    | 144 5773 | Housing screw short                                                                 |
| 69                                                                                |                                                                                    | 143 5486 | O-ring                                                                              |
| 70                                                                                |                                                                                    | 143 5492 | Alu nut                                                                             |
| 71 •                                                                              | <b>T1</b>                                                                          | 143 5658 | Piston seal                                                                         |
|                                                                                   | <b>T2, T3</b>                                                                      | 143 5841 | Piston seal                                                                         |
|                                                                                   | <b>T4</b>                                                                          | 143 6007 | Piston seal                                                                         |
| 72 •                                                                              | <b>T1</b>                                                                          | 143 5657 | Guide ring                                                                          |
|                                                                                   | <b>T2, T3</b>                                                                      | 143 5825 | Guide ring                                                                          |
|                                                                                   | <b>T4</b>                                                                          | 143 6006 | Guide ring                                                                          |
| 73 •                                                                              | <b>T1</b>                                                                          | 143 5656 | Piston seal                                                                         |
|                                                                                   | <b>T2, T3</b>                                                                      | 143 5670 | Piston seal                                                                         |
| 74                                                                                | <b>T1</b>                                                                          | 145 7751 | Air piston complete                                                                 |
|                                                                                   | <b>T2</b>                                                                          | 145 7860 | Air piston complete                                                                 |
|                                                                                   | <b>T3</b>                                                                          | 145 7952 | Air piston complete                                                                 |
|                                                                                   | <b>T4</b>                                                                          | 145 7994 | Air piston complete                                                                 |
| 75 •                                                                              | <b>T1</b>                                                                          | 143 5660 | O-ring                                                                              |
|                                                                                   | <b>T2</b>                                                                          | 143 5834 | O-ring                                                                              |
|                                                                                   | <b>T3, T4</b>                                                                      | 143 5937 | O-ring                                                                              |
| 76                                                                                | <b>T1</b>                                                                          | 143 5659 | Rod seal                                                                            |
| 77                                                                                | <b>T1</b>                                                                          | 144 6027 | Snap ring                                                                           |
|                                                                                   | <b>T2, T3, T4</b>                                                                  | 144 6082 | V-ring                                                                              |
| 78                                                                                | <b>T1</b>                                                                          | 143 5680 | O-ring                                                                              |
|                                                                                   | <b>T2</b>                                                                          | 143 5839 | O-ring                                                                              |
|                                                                                   | <b>T3, T4</b>                                                                      | 143 5927 | O-ring                                                                              |
|                                                                                   | <b>T1</b>                                                                          | 145 7752 | Cylinder complete                                                                   |
| 79                                                                                | <b>T2</b>                                                                          | 145 7861 | Cylinder complete                                                                   |
|                                                                                   | <b>T3</b>                                                                          | 145 7953 | Cylinder complete                                                                   |
|                                                                                   | <b>T4</b>                                                                          | 145 7995 | Cylinder complete                                                                   |
|                                                                                   | <b>T1</b>                                                                          | 143 5508 | Bottom                                                                              |
| 80                                                                                | <b>T2</b>                                                                          | 143 5761 | Bottom                                                                              |
|                                                                                   | <b>T3, T4</b>                                                                      | 143 5874 | Bottom                                                                              |
| 81                                                                                | <b>T1</b>                                                                          | 143 6394 | Rubber foot                                                                         |
| 82                                                                                | <b>T2</b>                                                                          | 143 6371 | Rubber foot                                                                         |
| 83                                                                                | <b>T3, T4</b>                                                                      | 143 5900 | Rubber foot                                                                         |
| 84                                                                                |                                                                                    | 144 6089 | Screw                                                                               |
|                                                                                   |                                                                                    | 144 5294 | Hydraulic oil refill bottle 100 ml                                                  |

• Wearing parts

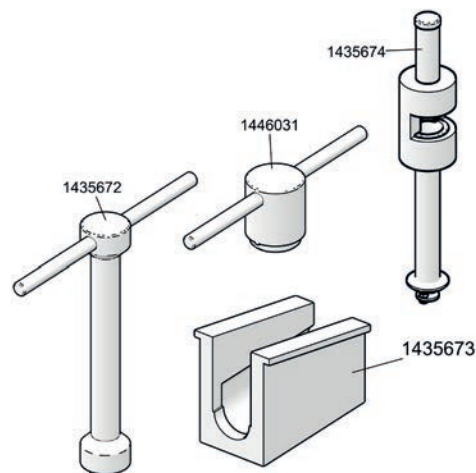
# ACCESSORIES FOR TAURUS® BLIND RIVET SETTING TOOLS

## Repair tools for TAURUS®

Part no. 145 7735

| No.       |                                    |
|-----------|------------------------------------|
| 143 5672* | Allen key                          |
| 143 5673  | Clamp element for Taurus tool head |
| 143 5674* | Assembly device                    |
| 144 6031* | Slot wrench                        |

\*These tools are also suitable for FireFox® 1 F - 2



## Changeover set spent mandrel container

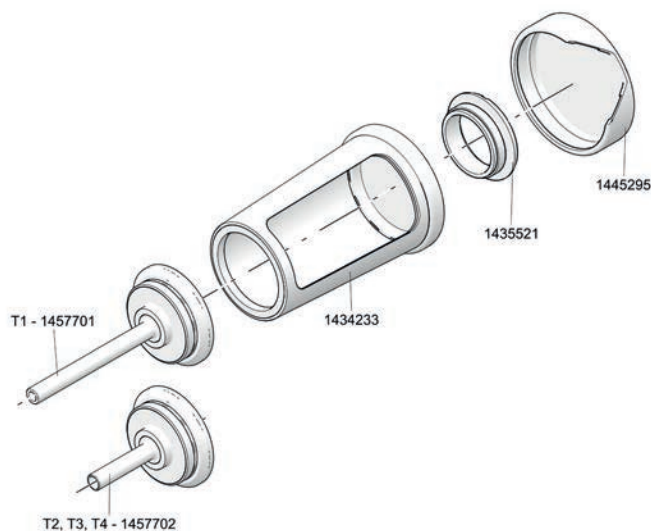
for TAURUS® 1:

Part no. 145 7700

for TAURUS® 2,3,4:

Part no. 145 7703

| No.      |                                |
|----------|--------------------------------|
| 143 4233 | Spent mandrel container        |
| 143 5521 | Cover                          |
| 144 5295 | Air deflector                  |
| 145 7701 | End cap T 1, complete          |
| 145 7702 | End cap T 2, 3 and 4, complete |



## Rivet counter sensor changeover set for TAURUS® 1-4

for TAURUS® 1

Part no.

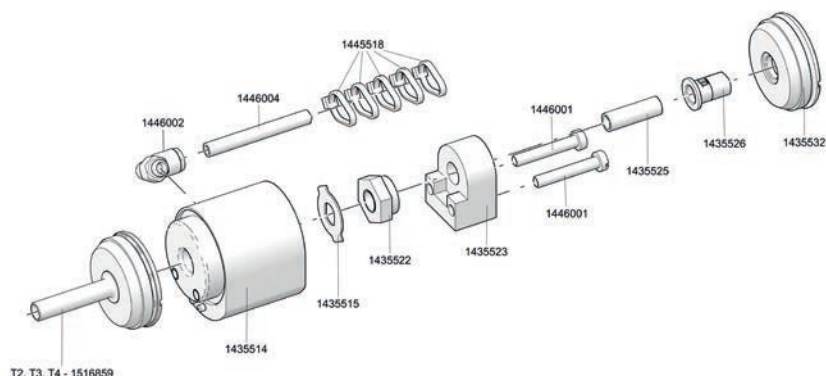
145 7698

for TAURUS® 2-4

Part no.

151 6858

|            | No.      |                  |
|------------|----------|------------------|
|            | 143 5514 | Housing          |
|            | 143 5515 | Locking washer   |
|            | 143 5522 | Nut              |
|            | 143 5523 | Ring sensor      |
|            | 143 5525 | Tube             |
|            | 143 5526 | Connecting piece |
|            | 143 5532 | End cap          |
|            | 144 5518 | Cable tie        |
|            | 144 6001 | Allen screw      |
|            | 144 6002 | Screw connection |
|            | 144 6004 | Hose             |
| T2, T3, T4 | 151 6859 | End cap          |



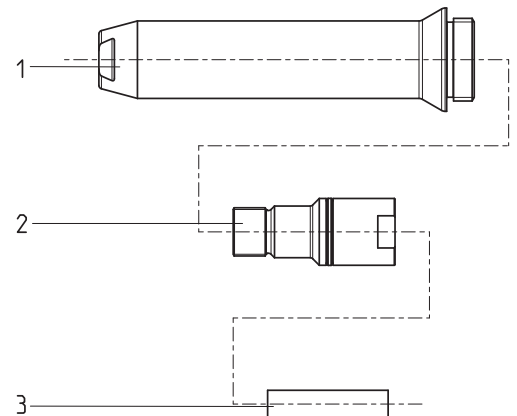
# ACCESSORIES FOR TAURUS® BLIND RIVET SETTING TOOLS

## One-piece extension units

### Extension unit for TAURUS® 1- 4

|                     |          |          |          |
|---------------------|----------|----------|----------|
| for TAURUS® 1       | +35 mm:  | Part no. | 146 4345 |
| for TAURUS® 1       | +85 mm:  | Part no. | 146 4346 |
| for TAURUS® 1       | +135 mm: | Part no. | 146 4347 |
| for TAURUS® 2       | +35 mm:  | Part no. | 145 8042 |
| for TAURUS® 2       | +85 mm:  | Part no. | 146 4350 |
| for TAURUS® 2       | +135 mm: | Part no. | 146 4351 |
| for TAURUS® 2       | +185 mm: | Part no. | 146 4352 |
| for TAURUS® 3 and 4 | +35 mm:  | Part no. | 145 7932 |
| for TAURUS® 3 and 4 | +85 mm:  | Part no. | 145 7933 |
| for TAURUS® 3 and 4 | +135 mm: | Part no. | 145 7937 |

|  |         |  | No.      |  |
|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| TAURUS® 1                                                                         | +35 mm  | 1                                                                                 | 143 5473 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 145 7938 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 146 4338 | Jaw pusher                                                                        |
|                                                                                   | +85 mm  | 1                                                                                 | 143 5476 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 145 7939 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 146 4339 | Jaw pusher                                                                        |
|                                                                                   | +135 mm | 1                                                                                 | 143 5487 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 143 5890 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 143 5544 | Jaw pusher                                                                        |
| TAURUS® 2                                                                         | +35 mm  | 1                                                                                 | 143 5473 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 145 7938 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 143 6100 | Jaw pusher                                                                        |
|                                                                                   | +85 mm  | 1                                                                                 | 143 5476 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 145 7939 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 143 5819 | Jaw pusher                                                                        |
|                                                                                   | +135 mm | 1                                                                                 | 143 5487 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 143 5890 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 143 5792 | Jaw pusher                                                                        |
|                                                                                   | +185 mm | 1                                                                                 | 143 5801 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 146 4343 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 146 4340 | Jaw pusher                                                                        |
| TAURUS® 3 - 4                                                                     | +35 mm  | 1                                                                                 | 143 5473 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 145 7938 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 143 5881 | Jaw pusher                                                                        |
|                                                                                   | +85 mm  | 1                                                                                 | 143 5476 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 145 7939 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 143 5882 | Jaw pusher                                                                        |
|                                                                                   | +135 mm | 1                                                                                 | 143 5487 | Steel head sleeve                                                                 |
|                                                                                   |         | 2                                                                                 | 143 5890 | Adapter                                                                           |
|                                                                                   |         | 3                                                                                 | 143 5879 | Jaw pusher                                                                        |



# ACCESSORIES FOR TAURUS® BLIND RIVET SETTING TOOLS

## One-piece extension units

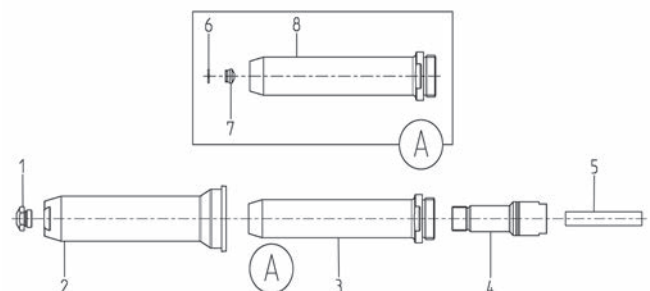
### Extension unit for TAURUS® 1- 4 with spring-loaded trigger system

|                     |         |          |          |
|---------------------|---------|----------|----------|
| for TAURUS® 1       | 50 mm:  | Part no. | 145 0880 |
| for TAURUS® 1       | 100 mm: | Part no. | 145 7727 |
| for TAURUS® 2       | 50 mm:  | Part no. | 145 7857 |
| for TAURUS® 2       | 100 mm: | Part no. | 145 7858 |
| for TAURUS® 3 and 4 | 50 mm:  | Part no. | 145 7959 |
| for TAURUS® 3 and 4 | 100 mm: | Part no. | 145 7960 |

|  |        |  | No.      |  |
|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| TAURUS® 1                                                                         | 50 mm  | 1                                                                                 | 143 5591 | Nosepiece 17/18 AV                                                                |
|                                                                                   |        |                                                                                   | 143 4990 | Nosepiece 17/20 AV                                                                |
|                                                                                   |        |                                                                                   | 143 4991 | Nosepiece 17/22 AV                                                                |
|                                                                                   |        | 2                                                                                 | 143 5870 | Steel head sleeve AV                                                              |
|                                                                                   |        | 3                                                                                 | 145 0888 | Support sleeve AV, complete                                                       |
|                                                                                   |        | 4                                                                                 | 145 7737 | Adapter, complete                                                                 |
|                                                                                   |        | 5                                                                                 | 143 5553 | Intermediate bush 1                                                               |
|                                                                                   |        | 6                                                                                 | 144 6010 | Snap ring                                                                         |
|                                                                                   | 100 mm | 7 •                                                                               | 143 5599 | Nosepiece                                                                         |
|                                                                                   |        | 8                                                                                 | 143 5871 | Support sleeve AV, complete                                                       |
|                                                                                   |        | 1                                                                                 | 143 5591 | Nosepiece 17/18 AV                                                                |
|                                                                                   |        |                                                                                   | 143 4990 | Nosepiece 17/20 AV                                                                |
|                                                                                   |        |                                                                                   | 143 4991 | Nosepiece 17/22 AV                                                                |
|                                                                                   |        | 2                                                                                 | 143 5872 | Steel head sleeve AV                                                              |
|                                                                                   |        | 3                                                                                 | 145 0889 | Support sleeve AV, complete                                                       |
|                                                                                   |        | 4                                                                                 | 145 7739 | Adapter, complete                                                                 |
| TAURUS® 2                                                                         | 50 mm  | 5                                                                                 | 143 5556 | Intermediate bush 1                                                               |
|                                                                                   |        | 6                                                                                 | 144 6010 | Snap ring                                                                         |
|                                                                                   |        | 7 •                                                                               | 143 5599 | Nosepiece                                                                         |
|                                                                                   |        | 8                                                                                 | 143 5873 | Support sleeve AV, complete                                                       |
|                                                                                   | 100 mm | 1                                                                                 | 143 5592 | Nosepiece 17/24 AV                                                                |
|                                                                                   |        |                                                                                   | 143 5593 | Nosepiece 17/27 AV                                                                |
|                                                                                   |        |                                                                                   | 143 5594 | Nosepiece 17/29 AV                                                                |
|                                                                                   |        |                                                                                   | 143 5595 | Nosepiece 17/32 AV                                                                |
|                                                                                   |        | 2                                                                                 | 143 5870 | Steel head sleeve AV                                                              |
|                                                                                   |        | 3                                                                                 | 145 0944 | Support sleeve AV, complete                                                       |
|                                                                                   |        | 4                                                                                 | 145 7737 | Adapter, complete                                                                 |
|                                                                                   |        | 5                                                                                 | 143 5798 | Intermediate bush 2                                                               |
|                                                                                   | 100 mm | 6                                                                                 | 144 6010 | Snap ring                                                                         |
|                                                                                   |        | 7 •                                                                               | 143 5600 | Nosepiece                                                                         |
|                                                                                   |        | 8                                                                                 | 143 5871 | Support sleeve AV, complete                                                       |
|                                                                                   |        | 1                                                                                 | 143 5592 | Nosepiece 17/24 AV                                                                |
|                                                                                   |        |                                                                                   | 143 5593 | Nosepiece 17/27 AV                                                                |
|                                                                                   |        |                                                                                   | 143 5594 | Nosepiece 17/29 AV                                                                |
|                                                                                   |        |                                                                                   | 143 5595 | Nosepiece 17/32 AV                                                                |
|                                                                                   |        | 2                                                                                 | 143 5872 | Steel head sleeve AV                                                              |
|                                                                                   |        | 3                                                                                 | 145 0945 | Support sleeve AV, complete                                                       |
|                                                                                   |        | 4                                                                                 | 145 7739 | Adapter, complete                                                                 |
|                                                                                   |        | 5                                                                                 | 143 5797 | Intermediate bush 2                                                               |
|                                                                                   |        | 6                                                                                 | 144 6010 | Snap ring                                                                         |
|                                                                                   |        | 7 •                                                                               | 143 5600 | Nosepiece                                                                         |
|                                                                                   |        | 8                                                                                 | 143 5873 | Support sleeve AV, complete                                                       |

|  |        |  | No.      |  |
|-----------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| TAURUS® 3 - 4                                                                     | 50 mm  | 1                                                                                   | 143 5596 | Nosepiece 17/36 AV                                                                  |
|                                                                                   |        |                                                                                     | 143 5597 | Nosepiece 17/40 AV                                                                  |
|                                                                                   |        |                                                                                     | 143 5598 | Nosepiece 17/45 AV                                                                  |
|                                                                                   |        | 2                                                                                   | 143 5870 | Steel head sleeve AV                                                                |
|                                                                                   |        | 3                                                                                   | 145 0979 | Support sleeve AV, complete                                                         |
|                                                                                   |        | 4                                                                                   | 145 7737 | Adapter, complete                                                                   |
|                                                                                   |        | 5                                                                                   | 143 5902 | Intermediate bush 3/4                                                               |
|                                                                                   |        | 6                                                                                   | 144 6010 | Snap ring                                                                           |
|                                                                                   | 100 mm | 7 •                                                                                 | 143 5601 | Nosepiece                                                                           |
|                                                                                   |        | 8                                                                                   | 143 5871 | Support sleeve AV, complete                                                         |
|                                                                                   |        | 1                                                                                   | 143 5596 | Nosepiece 17/36 AV                                                                  |
|                                                                                   |        |                                                                                     | 143 5597 | Nosepiece 17/40 AV                                                                  |
|                                                                                   |        |                                                                                     | 143 5598 | Nosepiece 17/45 AV                                                                  |
|                                                                                   |        | 2                                                                                   | 143 5872 | Steel head sleeve AV                                                                |
|                                                                                   |        | 3                                                                                   | 145 0980 | Support sleeve AV, complete                                                         |
|                                                                                   |        | 4                                                                                   | 145 7739 | Adapter, complete                                                                   |
|                                                                                   |        | 5                                                                                   | 143 5903 | Intermediate bush 3/4                                                               |
|                                                                                   |        | 6                                                                                   | 144 6010 | Snap ring                                                                           |
|                                                                                   |        | 7 •                                                                                 | 143 5601 | Nosepiece                                                                           |
|                                                                                   |        | 8                                                                                   | 143 5873 | Support sleeve AV, complete                                                         |

• Wearing parts



# ACCESSORIES FOR TAURUS® BLIND RIVET SETTING TOOLS

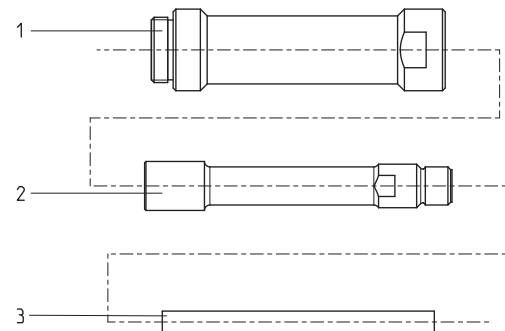
## Multi-piece extension units

arbitrary extension of the tool head in 100 mm steps

### Extension modules for TAURUS® 1- 4

for TAURUS® 1: Part no. 145 7743  
for TAURUS® 2: Part no. 145 7848  
for TAURUS® 3 and 4: Part no. 145 7947

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| TAURUS® 1                                                                         | 1                                                                                 | 143 4995 | Extension sleeve                                                                  |
|                                                                                   | 2                                                                                 | 143 4165 | Extension piece                                                                   |
|                                                                                   | 3                                                                                 | 143 5556 | Intermediate bush                                                                 |
| TAURUS® 2                                                                         | 1                                                                                 | 143 4995 | Extension sleeve                                                                  |
|                                                                                   | 2                                                                                 | 143 4165 | Extension piece                                                                   |
|                                                                                   | 3                                                                                 | 143 5797 | Intermediate bush                                                                 |
| TAURUS® 3 - 4                                                                     | 1                                                                                 | 143 4995 | Extension sleeve                                                                  |
|                                                                                   | 2                                                                                 | 143 4165 | Extension piece                                                                   |
|                                                                                   | 3                                                                                 | 143 5903 | Intermediate bush                                                                 |

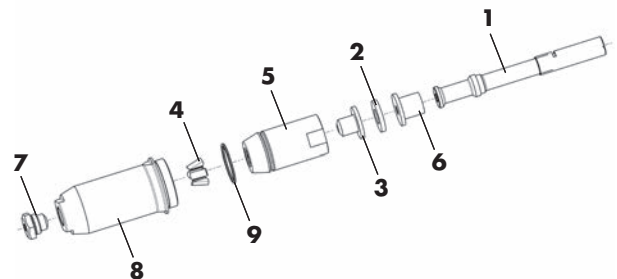


## Heads for TAURUS® 5-6

for 7.8mm (5/16") TIBULB structure rivet

Part no. 145 8008

|  | No.      |  |
|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 1                                                                                   | 145 8016 | Nozzle tube, complete                                                               |
| 2                                                                                   | 143 6064 | Damping ring                                                                        |
| 3 •                                                                                 | 143 6068 | Jaw pusher                                                                          |
| 4 •                                                                                 | 143 5568 | Jaw**                                                                               |
| 5 •                                                                                 | 143 6070 | Jaw housing                                                                         |
| 6                                                                                   | 143 6069 | Centre part                                                                         |
| 7 •                                                                                 | 143 6067 | Nosepiece 18/53                                                                     |
| 8                                                                                   | 143 6059 | Steel head sleeve                                                                   |
| 9 •                                                                                 | 143 6044 | O-ring                                                                              |



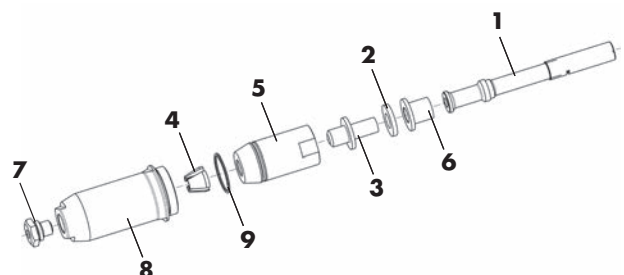
• Wearing parts

\*\* For changing the complete set you have to order 4 Jaws

## for 9.8mm (3/8") Magna-Lok® structure rivet

Artikel-Nr. 145 8009

|  | No.      |  |
|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 1                                                                                   | 143 6065 | Nozzle tube, complete                                                               |
| 2                                                                                   | 143 6064 | Damping ring                                                                        |
| 3 •                                                                                 | 143 6061 | Jaw pusher                                                                          |
| 4 •                                                                                 | 143 6066 | Jaws, 3-part                                                                        |
| 5 •                                                                                 | 143 6063 | Jaw housing                                                                         |
| 6                                                                                   | 143 6062 | Centre part                                                                         |
| 7 •                                                                                 | 143 6060 | Nosepiece 18/63                                                                     |
| 8                                                                                   | 143 6059 | Steel head sleeve                                                                   |
| 9 •                                                                                 | 143 6044 | O-ring                                                                              |



• Wearing parts



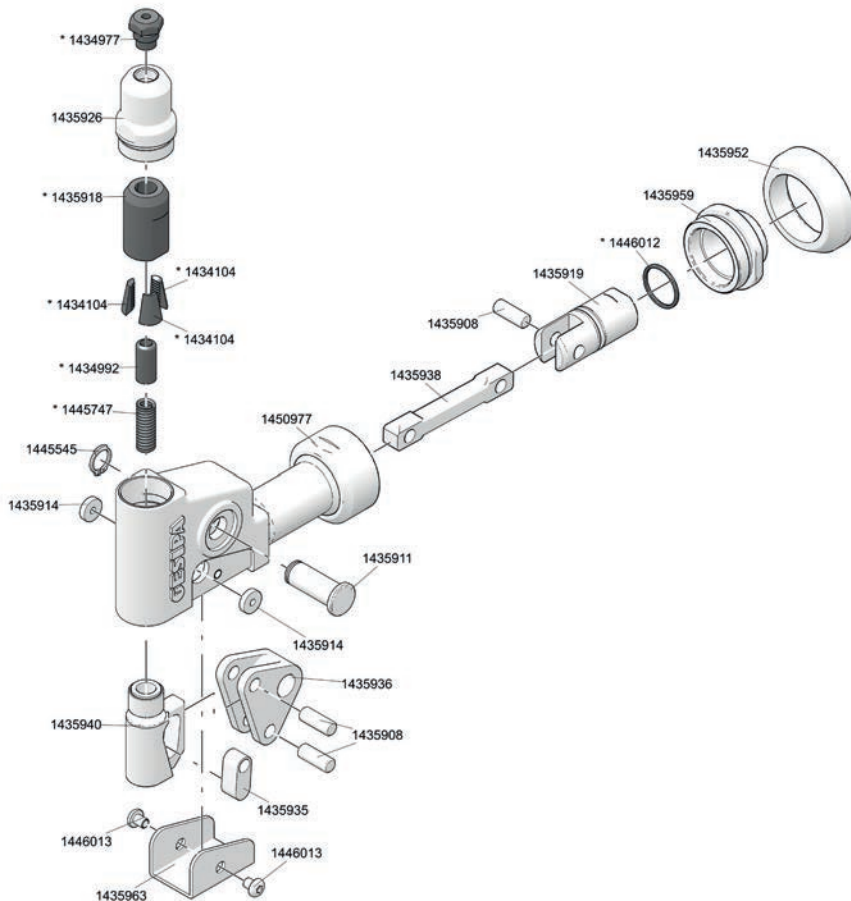
## Angle heads for TAURUS® blind rivet setting tools

### Angle head 90° compact for TAURUS® 1-2

Part no. 145 7921

| No.       |                   |
|-----------|-------------------|
| 143 4104* | Jaws (3-part)     |
| 143 4977* | Nosepiece 17/36   |
| 143 4992* | Jaw Pusher        |
| 143 5908  | Bolt              |
| 143 5911  | Axis bolt         |
| 143 5914  | Spacer            |
| 143 5918* | Jaw housing       |
| 143 5919  | Fork head         |
| 143 5926  | Steel head sleeve |
| 143 5935  | Coupler           |
| 143 5936  | Angle             |
| 143 5938  | Lock activator    |
| 143 5940  | Lock activator    |
| 143 5952  | Ring              |
| 143 5959  | Adapter           |
| 143 5963  | Protecting cap    |
| 144 5545  | Snap ring         |
| 144 5747* | Spring            |
| 144 6012* | O-ring            |
| 144 6013  | Screw             |
| 145 0977  | Housing           |

#### \* Wearing parts



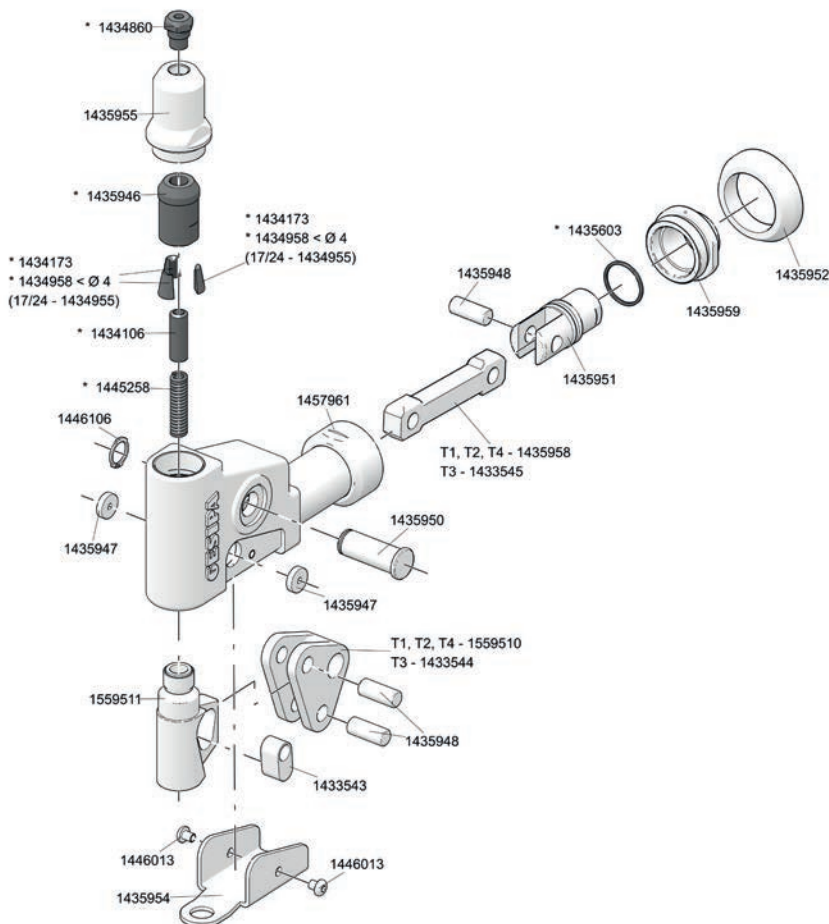
#### \* Wearing parts

## Angle heads for TAURUS® blind rivet setting tools

### Angle head 90° compact for 1, 2, 4 & TAURUS® 3

| No.        |  |  |
|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 143 3543   |                                                                                   | Coupler                                                                           |
| 143 3544   | <b>T3</b>                                                                         | Angle                                                                             |
| 143 3545   | <b>T3</b>                                                                         | Lock activator                                                                    |
| 143 4106*  |                                                                                   | Jaw Pusher                                                                        |
| 143 4173*  |                                                                                   | Jaws (3-part)                                                                     |
| 143 4860*  |                                                                                   | Nosepiece 17/45 for angle head                                                    |
| 143 4958*  |                                                                                   | Jaws (3-part) up to rivet Ø 4mm (Nosepiece 17/24)                                 |
| 143 5603 * |                                                                                   | O-ring                                                                            |
| 143 5946*  |                                                                                   | Jaw housing                                                                       |
| 143 5947   |                                                                                   | Spacer                                                                            |
| 143 5948   |                                                                                   | Bolt                                                                              |
| 143 5950   |                                                                                   | Axis bolt                                                                         |
| 143 5951   |                                                                                   | Fork head                                                                         |
| 143 5952   |                                                                                   | Ring                                                                              |
| 143 5954   |                                                                                   | Protecting cap                                                                    |
| 143 5955   |                                                                                   | Steel head sleeve                                                                 |
| 143 5958   | <b>T1, T2, T4</b>                                                                 | Lock activator                                                                    |
| 143 5959   |                                                                                   | Adapter                                                                           |
| 144 5258*  |                                                                                   | Spring                                                                            |
| 144 6013   |                                                                                   | Screw                                                                             |
| 144 6106   |                                                                                   | Snap ring                                                                         |
| 145 7961   |                                                                                   | Housing                                                                           |
| 155 9510   | <b>T1, T2, T4</b>                                                                 | Angle                                                                             |
| 155 9511   |                                                                                   | Lock activator                                                                    |

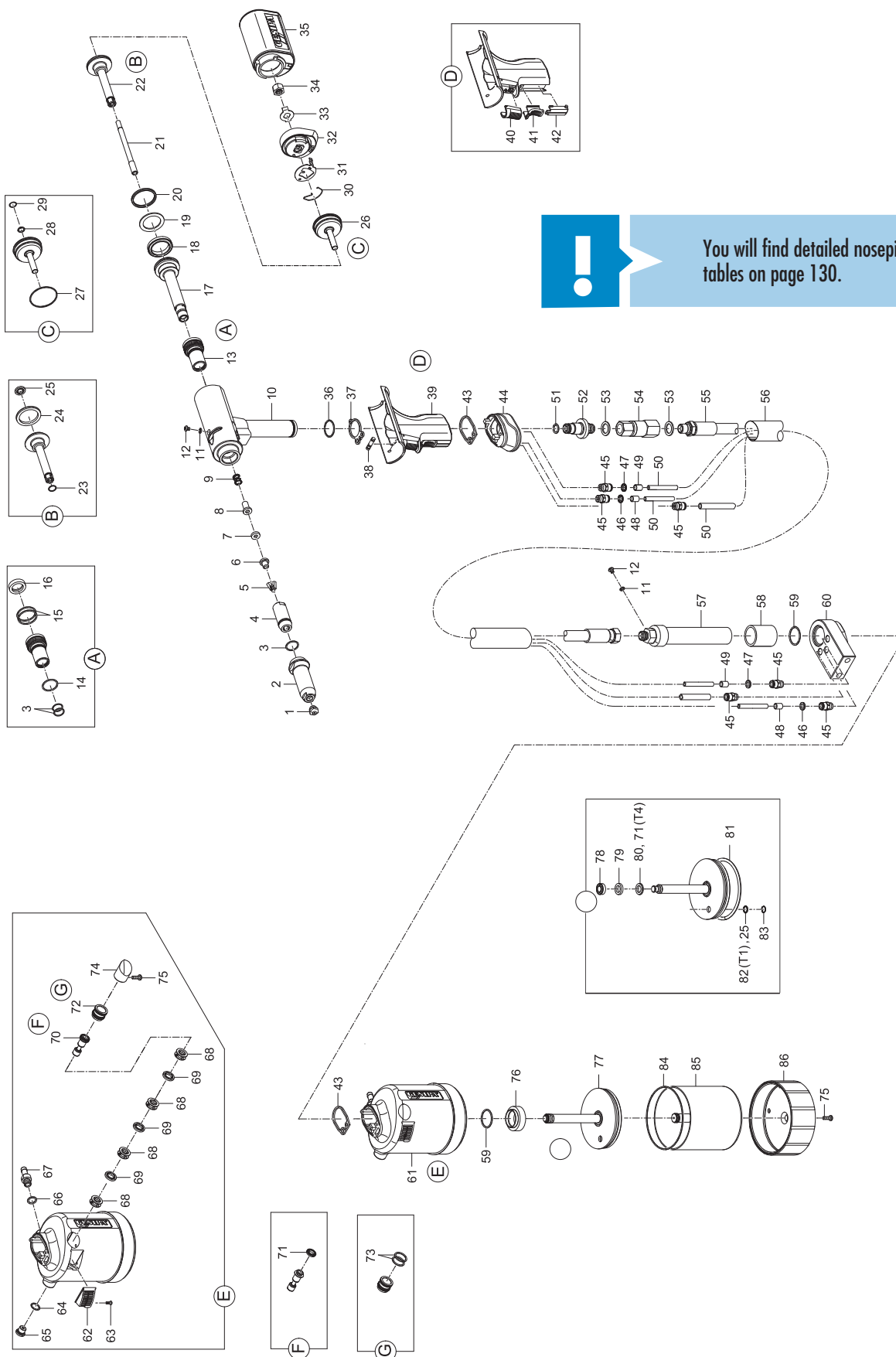
#### \* Wearing parts



#### \* Wearing parts

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAUREX 1-4



**!** You will find detailed nosepiece allocation tables on page 130.

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAUREX 1-4

|  |  | No.      |  |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                              | T1                                                                                | 143 4976 | Nosepiece 17/18                                                                   |
|                                                                                  |                                                                                   | 143 4994 | Nosepiece 17/20                                                                   |
|                                                                                  |                                                                                   | 143 5018 | Nosepiece 17/22                                                                   |
|                                                                                  | T2                                                                                | 143 4955 | Nosepiece 17/24                                                                   |
|                                                                                  |                                                                                   | 143 4973 | Nosepiece 17/27                                                                   |
|                                                                                  |                                                                                   | 143 4974 | Nosepiece 17/29                                                                   |
|                                                                                  |                                                                                   | 143 4975 | Nosepiece 17/32                                                                   |
|                                                                                  |                                                                                   | 143 4977 | Nosepiece 17/36                                                                   |
|                                                                                  | T3, T4                                                                            | 143 4999 | Nosepiece 17/40                                                                   |
|                                                                                  |                                                                                   | 143 4860 | Nosepiece 17/45                                                                   |
| 2                                                                                |                                                                                   | 143 6003 | Steel head sleeve 4                                                               |
| 3 •                                                                              |                                                                                   | 144 6012 | O-ring                                                                            |
| 4 •                                                                              |                                                                                   | 143 6002 | Jaw housing 4                                                                     |
| 5 •                                                                              |                                                                                   | 143 5568 | Jaw                                                                               |
| 6 •                                                                              | T1                                                                                | 143 5507 | Jaw pusher AV1                                                                    |
|                                                                                  | T2                                                                                | 143 5768 | Jaw pusher AV2                                                                    |
|                                                                                  | T3, T4                                                                            | 143 6000 | Jaw pusher 4                                                                      |
| 7                                                                                |                                                                                   | 143 5999 | Damping ring 4                                                                    |
| 8                                                                                | T1                                                                                | 143 5509 | Centre part AV1                                                                   |
|                                                                                  | T2                                                                                | 143 5769 | Centre part AV2                                                                   |
|                                                                                  | T3, T4                                                                            | 143 6001 | Centre part 4                                                                     |
| 9                                                                                |                                                                                   | 146 3064 | Spring                                                                            |
| 10                                                                               |                                                                                   | 145 8029 | Tool head, assembled                                                              |
| 11                                                                               |                                                                                   | 143 5612 | Sealing ring M4                                                                   |
| 12                                                                               |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 13                                                                               |                                                                                   | 143 5681 | Seal holder, complete                                                             |
| 14 •                                                                             |                                                                                   | 143 5629 | O-ring                                                                            |
| 15 •                                                                             |                                                                                   | 143 4227 | O-ring                                                                            |
| 16 •                                                                             |                                                                                   | 143 5630 | Rod seal                                                                          |
| 17                                                                               |                                                                                   | 143 5631 | Draw bar                                                                          |
| 18 •                                                                             |                                                                                   | 143 5488 | Supporting ring                                                                   |
| 19 •                                                                             |                                                                                   | 143 5485 | Piston seal                                                                       |
| 20 •                                                                             |                                                                                   | 143 5632 | Piston seal                                                                       |
| 21                                                                               | T1                                                                                | 143 5558 | Nozzle tube 1                                                                     |
|                                                                                  | T2                                                                                | 143 5764 | Nozzle tube 2, long                                                               |
|                                                                                  | T3, T4                                                                            | 143 5886 | Nozzle tube 3, long                                                               |
| 22                                                                               |                                                                                   | 145 7746 | Resetting piston, complete                                                        |
| 23                                                                               |                                                                                   | 143 5671 | O-ring                                                                            |
| 24 •                                                                             |                                                                                   | 143 5633 | Piston seal                                                                       |
| 25                                                                               |                                                                                   | 143 5635 | Rod seal                                                                          |
| 26                                                                               | T1                                                                                | 145 1223 | End cap                                                                           |
|                                                                                  | T2, T3, T4                                                                        | 145 7840 | End cap                                                                           |
| 27                                                                               |                                                                                   | 143 5524 | O-ring                                                                            |
| 28                                                                               |                                                                                   | 143 5519 | O-ring                                                                            |
| 29                                                                               |                                                                                   | 144 6167 | Snap ring                                                                         |
| 30                                                                               |                                                                                   | 144 6028 | Retaining spring                                                                  |
| 31                                                                               |                                                                                   | 143 5664 | Retainer                                                                          |
| 32                                                                               |                                                                                   | 143 5663 | Adapter                                                                           |
| 33                                                                               |                                                                                   | 143 5842 | Lock washer                                                                       |
| 34                                                                               | T1                                                                                | 143 5849 | Supporting nut 1                                                                  |
|                                                                                  | T2, T3, T4                                                                        | 143 5766 | Supporting nut 2/3                                                                |
| 35                                                                               | T1, T2                                                                            | 143 5677 | Spent mandrel container, complete                                                 |
|                                                                                  | T3, T4                                                                            | 143 5964 | Spent mandrel container, complete                                                 |
| 36                                                                               |                                                                                   | 143 5590 | O-ring                                                                            |
| 37 •                                                                             |                                                                                   | 143 5472 | Flat gasket 1                                                                     |
| 38                                                                               |                                                                                   | 145 7747 | Distributing valve complete                                                       |
| 39                                                                               |                                                                                   | 145 7748 | Grip complete                                                                     |
| 40                                                                               |                                                                                   | 144 6025 | Activation button                                                                 |
| 41                                                                               |                                                                                   | 143 5642 | Valve                                                                             |
| 42                                                                               |                                                                                   | 143 5686 | Orifice                                                                           |
| 43 •                                                                             |                                                                                   | 143 5480 | Flat gasket 2                                                                     |
| 44                                                                               |                                                                                   | 144 6126 | Head adapter                                                                      |
| 45                                                                               |                                                                                   | 144 6130 | Screw-in connection                                                               |
| 46                                                                               |                                                                                   | 144 6132 | Coding ring, green                                                                |
| 47                                                                               |                                                                                   | 144 6133 | Coding ring, red                                                                  |
| 48                                                                               |                                                                                   | 144 5393 | PA tube Ø 6 green (L = 10 mm)*                                                    |
| 49                                                                               |                                                                                   | 144 5395 | PA tube Ø 6 red (L = 10 mm)*                                                      |
| 50                                                                               |                                                                                   | 144 6134 | PU tube Ø 6mm (L=3.2mm)                                                           |
| 51                                                                               |                                                                                   | 143 4496 | O-ring                                                                            |
| 52                                                                               |                                                                                   | 143 6090 | Hose connector                                                                    |

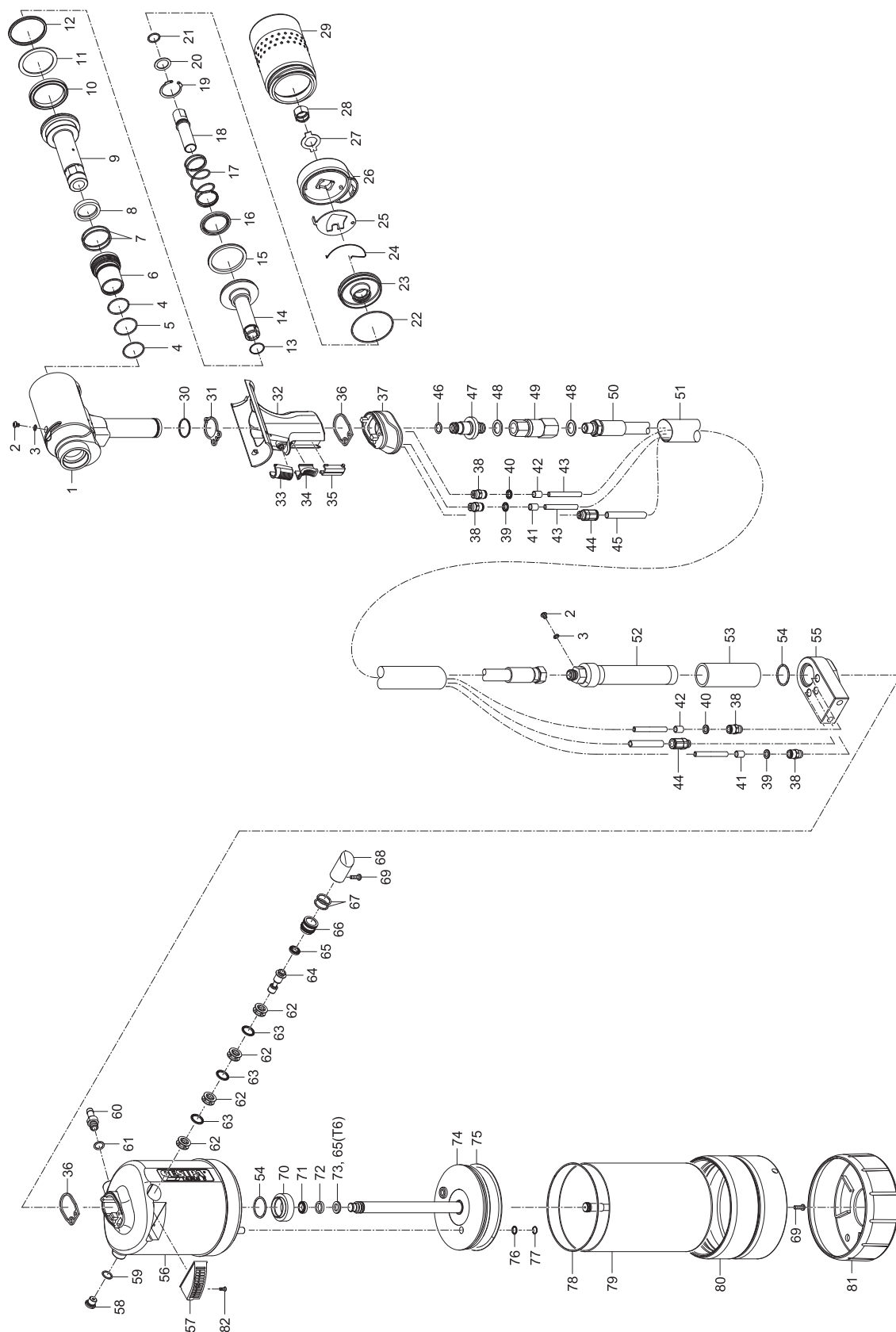
|  |  | No.      |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 53                                                                                |                                                                                    | 144 6131 | Hydraulic seal rings                                                                |
| 54                                                                                |                                                                                    | 144 6146 | Swivel                                                                              |
| 55                                                                                |                                                                                    | 144 6127 | Hydraulic hose                                                                      |
| 56                                                                                |                                                                                    | 144 6135 | Hose casing                                                                         |
| 57                                                                                | T1                                                                                 | 151 3245 | Hose connector cylinder                                                             |
|                                                                                   | T2, T3                                                                             | 151 3246 | Hose connector cylinder                                                             |
|                                                                                   | T4                                                                                 | 151 3247 | Hose connector cylinder                                                             |
| 58                                                                                | T1, T2, T3                                                                         | 143 6093 | Spacer tube                                                                         |
|                                                                                   | T4                                                                                 | 143 6102 | Spacer tube                                                                         |
| 59                                                                                |                                                                                    | 143 5486 | O-ring                                                                              |
| 60                                                                                |                                                                                    | 143 6092 | Cylinder adapter                                                                    |
| 61                                                                                | T1                                                                                 | 145 1010 | Air cylinder TAUREX 1                                                               |
|                                                                                   | T2                                                                                 | 145 1012 | Air cylinder TAUREX 2                                                               |
|                                                                                   | T3                                                                                 | 143 6101 | Air cylinder TAUREX 3                                                               |
|                                                                                   | T4                                                                                 | 145 1024 | Air cylinder TAUREX 4                                                               |
| 62                                                                                | T1                                                                                 | 151 5051 | Silencer 1, complete                                                                |
|                                                                                   | T2                                                                                 | 145 7862 | Silencer 2, complete                                                                |
|                                                                                   | T3, T4                                                                             | 145 7956 | Silencer 3, complete                                                                |
| 63                                                                                | T2, T3, T4                                                                         | 144 6089 | Screw                                                                               |
| 64                                                                                |                                                                                    | 143 5484 | O-ring                                                                              |
| 65                                                                                |                                                                                    | 145 7750 | Pressure relief valve                                                               |
| 66                                                                                |                                                                                    | 144 6030 | Sealing ring                                                                        |
| 67                                                                                |                                                                                    | 143 5667 | Connecting nipple                                                                   |
| 68                                                                                | T2, T3, T4                                                                         | 143 5648 | Spacer cage                                                                         |
| 69                                                                                |                                                                                    | 143 5647 | Rod seal                                                                            |
| 70                                                                                |                                                                                    | 145 7694 | Control piston                                                                      |
| 71 •                                                                              |                                                                                    | 143 5675 | Piston seal                                                                         |
| 72 •                                                                              |                                                                                    | 145 7693 | Piston housing                                                                      |
| 73 •                                                                              |                                                                                    | 143 5688 | O-ring                                                                              |
| 74                                                                                | T1                                                                                 | 144 6026 | Stopper 1                                                                           |
|                                                                                   | T2                                                                                 | 144 6073 | Stopper 2                                                                           |
|                                                                                   | T3, T4                                                                             | 144 6100 | Stopper 3                                                                           |
| 75                                                                                |                                                                                    | 144 5773 | Housing screw short                                                                 |
| 76                                                                                |                                                                                    | 143 5492 | Al nut                                                                              |
| 77                                                                                | T1                                                                                 | 145 7751 | Air piston 1, complete                                                              |
|                                                                                   | T2                                                                                 | 145 7860 | Air piston 2, complete                                                              |
|                                                                                   | T3                                                                                 | 145 7952 | Air piston 3, complete                                                              |
|                                                                                   | T4                                                                                 | 145 7994 | Air piston 4, complete                                                              |
| 78 •                                                                              | T1                                                                                 | 143 5658 | Piston seal                                                                         |
|                                                                                   | T2, T3                                                                             | 143 5841 | Piston seal                                                                         |
|                                                                                   | T4                                                                                 | 143 6007 | Piston seal                                                                         |
| 79 •                                                                              | T1                                                                                 | 143 5657 | Guide ring 1                                                                        |
|                                                                                   | T2, T3                                                                             | 143 5825 | Guide ring 2                                                                        |
|                                                                                   | T4                                                                                 | 143 6006 | Guide ring 4                                                                        |
| 80 •                                                                              | T1                                                                                 | 143 5656 | Piston seal                                                                         |
|                                                                                   | T2, T3                                                                             | 143 5670 | Piston seal                                                                         |
| 81 •                                                                              | T1                                                                                 | 143 5660 | O-ring                                                                              |
|                                                                                   | T2                                                                                 | 143 5834 | O-ring                                                                              |
|                                                                                   | T3, T4                                                                             | 143 5937 | O-ring                                                                              |
| 82 •                                                                              | T1                                                                                 | 143 5659 | Rod seal                                                                            |
| 83                                                                                | T1                                                                                 | 144 6027 | Snap ring                                                                           |
|                                                                                   | T2, T3, T4                                                                         | 144 6082 | V-profile ring                                                                      |
| 84                                                                                | T1                                                                                 | 143 5680 | O-ring                                                                              |
|                                                                                   | T2                                                                                 | 143 5839 | O-ring                                                                              |
|                                                                                   | T3, T4                                                                             | 143 5927 | O-ring                                                                              |
| 85                                                                                | T1                                                                                 | 145 7752 | Cylinder 1, complete                                                                |
|                                                                                   | T2                                                                                 | 145 7861 | Cylinder 2, complete                                                                |
|                                                                                   | T3                                                                                 | 145 7953 | Cylinder 3, complete                                                                |
|                                                                                   | T4                                                                                 | 145 7995 | Cylinder 4, complete                                                                |
| 86                                                                                | T1                                                                                 | 143 5508 | Bottom 1                                                                            |
|                                                                                   | T2                                                                                 | 143 5761 | Bottom 2                                                                            |
|                                                                                   | T3, T4                                                                             | 143 5874 | Bottom 3                                                                            |
|                                                                                   |                                                                                    | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

• Wearing parts

\* The length required must always be specified on the order;  
the article numbers always refers to the price per metre.

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAUREX 5-6



# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAUREX 5-6

|  |  |          |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1                                                                                 |                                                                                   | 145 1025 | Tool head, assembled                                                              |
| 2                                                                                 |                                                                                   | 143 5612 | Sealing ring M4                                                                   |
| 3                                                                                 |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 4 •                                                                               |                                                                                   | 143 6044 | O-ring                                                                            |
| 5 •                                                                               |                                                                                   | 143 6045 | O-ring                                                                            |
| 6                                                                                 |                                                                                   | 143 6035 | Seal holder, complete                                                             |
| 7 •                                                                               |                                                                                   | 143 6047 | O-ring                                                                            |
| 8 •                                                                               |                                                                                   | 143 6048 | Rod seal                                                                          |
| 9                                                                                 |                                                                                   | 143 6036 | Draw bar                                                                          |
| 10 •                                                                              |                                                                                   | 143 6049 | Cylinder seal                                                                     |
| 11 •                                                                              |                                                                                   | 143 6052 | Supporting ring                                                                   |
| 12 •                                                                              |                                                                                   | 143 6051 | Piston seal                                                                       |
| 13 •                                                                              |                                                                                   | 143 6046 | O-ring                                                                            |
| 14                                                                                |                                                                                   | 145 8012 | Resetting piston, complete                                                        |
| 15 •                                                                              |                                                                                   | 143 6050 | Lip ring                                                                          |
| 16 •                                                                              |                                                                                   | 143 6053 | Rod seal                                                                          |
| 17                                                                                |                                                                                   | 144 6123 | Spring                                                                            |
| 18                                                                                |                                                                                   | 143 6030 | Connecting piece                                                                  |
| 19                                                                                |                                                                                   | 144 6124 | V-profile ring                                                                    |
| 20                                                                                |                                                                                   | 144 6125 | Washer                                                                            |
| 21                                                                                |                                                                                   | 143 6042 | O-ring                                                                            |
| 22                                                                                |                                                                                   | 143 6043 | O-ring                                                                            |
| 23                                                                                |                                                                                   | 143 6034 | End cap                                                                           |
| 24                                                                                |                                                                                   | 144 6122 | Retaining spring                                                                  |
| 25                                                                                |                                                                                   | 143 6026 | Retainer                                                                          |
| 26                                                                                |                                                                                   | 143 6028 | Adapter                                                                           |
| 27                                                                                |                                                                                   | 143 6025 | Lock washer                                                                       |
| 28                                                                                |                                                                                   | 143 6029 | Connecting piece nut                                                              |
| 29                                                                                |                                                                                   | 143 6058 | Spent mandrel container, complete                                                 |
| 30                                                                                |                                                                                   | 143 5590 | O-ring                                                                            |
| 31 •                                                                              |                                                                                   | 143 5472 | Flat gasket                                                                       |
| 32                                                                                |                                                                                   | 145 7748 | Grip complete                                                                     |
| 33                                                                                |                                                                                   | 144 6025 | Activation button                                                                 |
| 34                                                                                |                                                                                   | 143 5642 | Slider                                                                            |
| 35                                                                                |                                                                                   | 143 5686 | Orifice                                                                           |
| 36 •                                                                              |                                                                                   | 143 5480 | Flat gasket 2                                                                     |
| 37                                                                                |                                                                                   | 144 6126 | Head adapter                                                                      |
| 38                                                                                |                                                                                   | 144 6130 | Screw-in connection                                                               |
| 39                                                                                |                                                                                   | 144 6132 | Coding ring, green                                                                |
| 40                                                                                |                                                                                   | 144 6133 | Coding ring, red                                                                  |
| 41                                                                                |                                                                                   | 144 5393 | PA tube Ø 6 green (L = 10 mm)*                                                    |
| 42                                                                                |                                                                                   | 144 5395 | PA tube Ø 6 red (L = 10 mm)*                                                      |
| 43                                                                                |                                                                                   | 144 6134 | PU tube                                                                           |
| 44                                                                                |                                                                                   | 144 6138 | Screw connection                                                                  |
| 45                                                                                |                                                                                   | 144 6137 | PU tube                                                                           |
| 46                                                                                |                                                                                   | 143 4496 | O-ring                                                                            |

|  |  |          |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 47                                                                                |                                                                                    | 143 6090 | Hose connector                                                                      |
| 48                                                                                |                                                                                    | 144 6131 | Hydraulic seal rings                                                                |
| 49                                                                                |                                                                                    | 144 6146 | Swivel                                                                              |
| 50                                                                                |                                                                                    | 144 6127 | Hydraulic hose                                                                      |
| 51                                                                                |                                                                                    | 144 6135 | Hose casing                                                                         |
| 52                                                                                | <b>T5</b>                                                                          | 152 4522 | Hose connector cylinder                                                             |
|                                                                                   | <b>T6</b>                                                                          | 152 4523 | Hose connector cylinder                                                             |
| 53                                                                                |                                                                                    | 143 6103 | Spacer tube                                                                         |
| 54                                                                                |                                                                                    | 143 6092 | Cylinder adapter                                                                    |
| 55                                                                                |                                                                                    | 143 5486 | O-ring                                                                              |
| 56                                                                                | <b>T5</b>                                                                          | 145 8013 | Air cylinder TAUREX 5                                                               |
|                                                                                   | <b>T6</b>                                                                          | 146 4043 | Air cylinder TAUREX 6                                                               |
| 57                                                                                |                                                                                    | 145 7956 | Silencer 3, complete                                                                |
| 58                                                                                |                                                                                    | 145 7750 | Pressure relief valve, complete                                                     |
| 59                                                                                |                                                                                    | 143 5484 | O-ring                                                                              |
| 60                                                                                |                                                                                    | 143 5667 | Connecting nipple                                                                   |
| 61                                                                                |                                                                                    | 144 6030 | Seal                                                                                |
| 62                                                                                |                                                                                    | 143 5648 | Spacer cage                                                                         |
| 63 •                                                                              |                                                                                    | 143 5647 | Rod seal                                                                            |
| 64                                                                                |                                                                                    | 143 5651 | Control piston                                                                      |
| 65 •                                                                              |                                                                                    | 143 5675 | Piston seal                                                                         |
| 66                                                                                |                                                                                    | 143 5652 | Piston housing                                                                      |
| 67                                                                                |                                                                                    | 143 5688 | O-ring                                                                              |
| 68                                                                                |                                                                                    | 144 6100 | Stopper 3                                                                           |
| 69                                                                                |                                                                                    | 144 5773 | Housing screw, short                                                                |
| 70                                                                                |                                                                                    | 143 5492 | Al nut                                                                              |
| 71 •                                                                              | <b>T5</b>                                                                          | 143 6056 | Cylinder seal                                                                       |
|                                                                                   | <b>T6</b>                                                                          | 143 6007 | Piston seal                                                                         |
| 72 •                                                                              | <b>T5</b>                                                                          | 143 6040 | Guide ring 5                                                                        |
|                                                                                   | <b>T6</b>                                                                          | 143 6006 | Guide ring 4                                                                        |
| 73 •                                                                              | <b>T5</b>                                                                          | 143 6055 | Lip ring                                                                            |
| 74                                                                                | <b>T5</b>                                                                          | 145 8015 | Air piston 5, complete                                                              |
|                                                                                   | <b>T6</b>                                                                          | 145 8024 | Air piston 6, complete                                                              |
| 75 •                                                                              |                                                                                    | 143 5937 | O-ring                                                                              |
| 76 •                                                                              |                                                                                    | 143 5635 | Rod seal                                                                            |
| 77                                                                                |                                                                                    | 144 6082 | V-profile ring                                                                      |
| 78                                                                                |                                                                                    | 143 5927 | O-ring                                                                              |
| 79                                                                                | <b>T5</b>                                                                          | 145 8014 | Cylinder 5, complete                                                                |
|                                                                                   | <b>T6</b>                                                                          | 146 4044 | Cylinder 6, complete                                                                |
| 80                                                                                |                                                                                    | 143 6027 | Al bottom                                                                           |
| 81                                                                                |                                                                                    | 143 5900 | Rubber foot 3-4                                                                     |
| 82                                                                                |                                                                                    | 144 6089 | Screw                                                                               |
|                                                                                   |                                                                                    | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

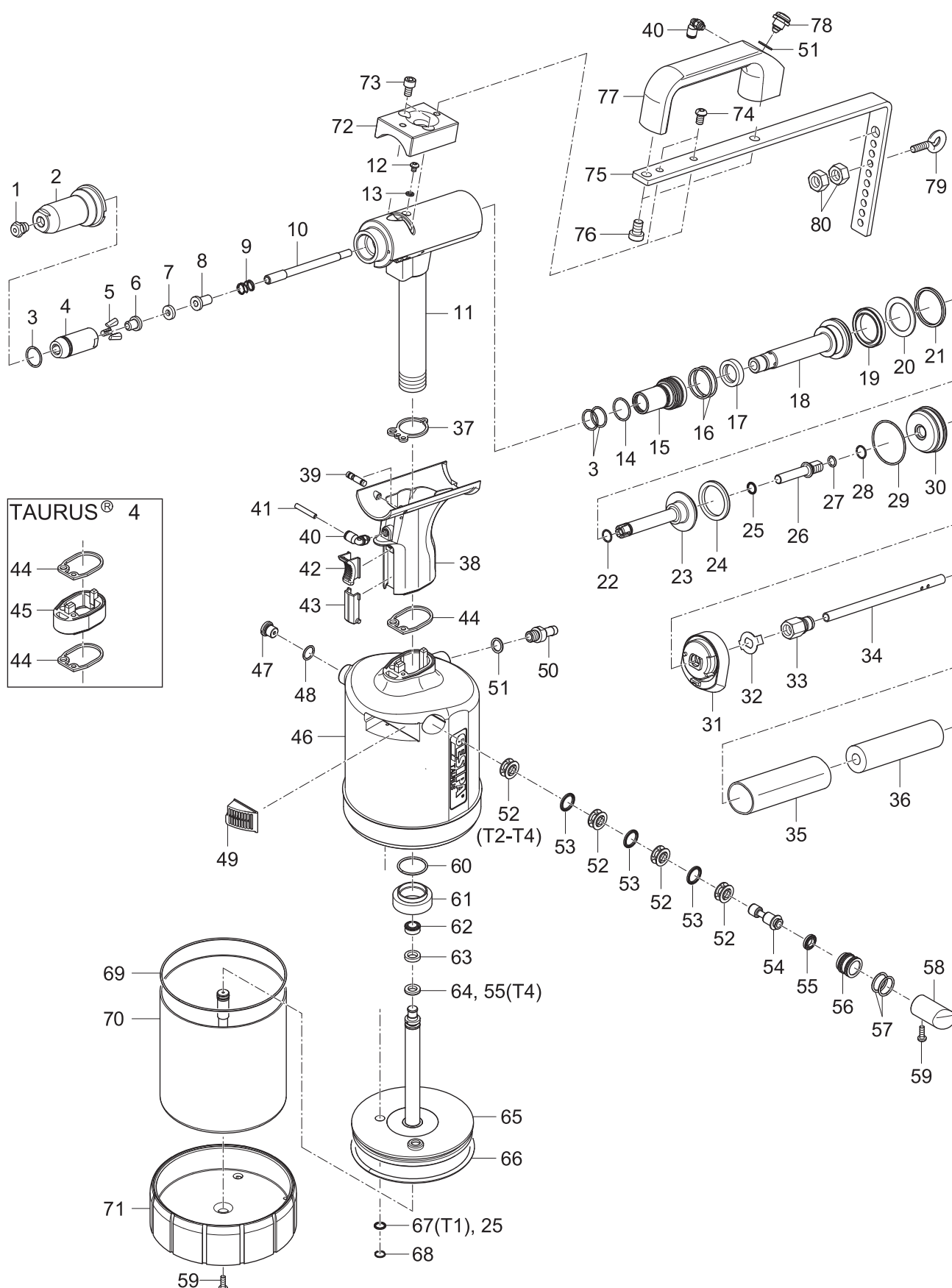
• Wearing parts

\* The length required must always be specified on the order;  
the article numbers always refers to the price per metre.



# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 1-4 Axial eco



# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 1-4 Axial eco

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | T1                                                                                | 143 4976 | Nosepiece 17/18                                                                   |
|                                                                                   |                                                                                   | 143 4994 | Nosepiece 17/20                                                                   |
|                                                                                   |                                                                                   | 143 5018 | Nosepiece 17/22                                                                   |
|                                                                                   | T2                                                                                | 143 4955 | Nosepiece 17/24                                                                   |
|                                                                                   |                                                                                   | 143 4973 | Nosepiece 17/27                                                                   |
|                                                                                   |                                                                                   | 143 4974 | Nosepiece 17/29                                                                   |
|                                                                                   |                                                                                   | 143 4975 | Nosepiece 17/32                                                                   |
|                                                                                   | T3, T4                                                                            | 143 4977 | Nosepiece 17/36                                                                   |
|                                                                                   |                                                                                   | 143 4999 | Nosepiece 17/40                                                                   |
|                                                                                   |                                                                                   | 143 4860 | Nosepiece 17/45                                                                   |
| 2                                                                                 |                                                                                   | 143 6003 | Steel head sleeve 4                                                               |
| 3 •                                                                               |                                                                                   | 144 6012 | O-ring                                                                            |
| 4 •                                                                               |                                                                                   | 143 6002 | Jaw housing                                                                       |
| 5 •                                                                               |                                                                                   | 143 5568 | Jaws (3-part)                                                                     |
| 6 •                                                                               | T1                                                                                | 143 5507 | Jaw pusher 1                                                                      |
|                                                                                   | T2                                                                                | 143 5768 | Jaw pusher 2                                                                      |
|                                                                                   | T3, T4                                                                            | 143 6000 | Jaw pusher 4                                                                      |
| 7                                                                                 |                                                                                   | 143 5999 | Damping ring 4                                                                    |
| 8                                                                                 | T1                                                                                | 143 5509 | Centre part 1                                                                     |
|                                                                                   | T2                                                                                | 143 5769 | Centre part 2                                                                     |
|                                                                                   | T3, T4                                                                            | 143 6001 | Centre part 4                                                                     |
| 9 •                                                                               |                                                                                   | 146 3064 | Spring                                                                            |
| 10                                                                                | T1                                                                                | 143 5558 | Nozzle tube 1                                                                     |
|                                                                                   | T2                                                                                | 143 5764 | Nozzle tube 2, long                                                               |
|                                                                                   | T3, T4                                                                            | 143 5886 | Nozzle tube 3, long                                                               |
| 11                                                                                | T1                                                                                | 145 0876 | Tool head 1, assembled                                                            |
|                                                                                   | T2, T3                                                                            | 145 0934 | Tool head 2, assembled                                                            |
|                                                                                   | T4                                                                                | 145 7999 | Tool head 4, assembled                                                            |
| 12                                                                                |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 13                                                                                |                                                                                   | 143 5612 | Sealing ring                                                                      |
| 14 •                                                                              |                                                                                   | 143 5629 | O-ring                                                                            |
| 15                                                                                |                                                                                   | 143 5681 | Seal holder, complete                                                             |
| 16 •                                                                              |                                                                                   | 143 4227 | O-ring                                                                            |
| 17 •                                                                              |                                                                                   | 143 5630 | Rod seal                                                                          |
| 18                                                                                |                                                                                   | 143 5631 | Draw bar                                                                          |
| 19 •                                                                              |                                                                                   | 143 5632 | Piston seal                                                                       |
| 20 •                                                                              |                                                                                   | 143 5488 | Supporting ring                                                                   |
| 21 •                                                                              |                                                                                   | 143 5485 | Piston seal                                                                       |
| 22 •                                                                              |                                                                                   | 143 5671 | O-ring                                                                            |
| 23                                                                                |                                                                                   | 145 7746 | Resetting piston complete                                                         |
| 24 •                                                                              |                                                                                   | 143 5633 | Piston seal                                                                       |
| 25 •                                                                              |                                                                                   | 143 5635 | Rod seal                                                                          |
| 26                                                                                | T1                                                                                | 143 5852 | Connecting piece 1                                                                |
|                                                                                   | T2, T3, T4                                                                        | 143 5765 | Connecting piece 2/3                                                              |
| 27                                                                                |                                                                                   | 143 5519 | O-ring                                                                            |
| 28                                                                                |                                                                                   | 144 6167 | Snap ring                                                                         |
| 29                                                                                |                                                                                   | 143 5524 | O-ring                                                                            |
| 30                                                                                |                                                                                   | 143 5532 | End cap                                                                           |
| 31                                                                                |                                                                                   | 143 5663 | Adapter                                                                           |
| 32                                                                                |                                                                                   | 143 5842 | Lock washer                                                                       |
| 33                                                                                |                                                                                   | 143 5848 | Screw connection                                                                  |
| 34                                                                                |                                                                                   | 143 5767 | Hose                                                                              |
| 35                                                                                |                                                                                   | 144 5647 | Protective hose                                                                   |
| 36                                                                                |                                                                                   | 143 5579 | Foamed material tubes (0,1m)*                                                     |
| 37 •                                                                              |                                                                                   | 143 5472 | Flat gasket 1                                                                     |
| 38                                                                                |                                                                                   | 145 7869 | Grip FA, complete                                                                 |
| 39                                                                                |                                                                                   | 145 7747 | Distributing valve, complete                                                      |
| 40                                                                                |                                                                                   | 144 6230 | Screw connection                                                                  |
| 41                                                                                |                                                                                   | 144 6134 | PU tube 0,2m*                                                                     |
| 42                                                                                |                                                                                   | 143 5642 | Slider                                                                            |
| 43                                                                                |                                                                                   | 143 5686 | Orifice                                                                           |
| 44 •                                                                              |                                                                                   | 143 5480 | Flat gasket 2                                                                     |
| 45                                                                                | T4                                                                                | 143 5998 | Grip extension                                                                    |

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 46                                                                                | T1                                                                                 | 145 0883 | Air cylinder 1 Axial eco                                                            |
|                                                                                   | T2                                                                                 | 145 0942 | Air cylinder 2 Axial eco                                                            |
|                                                                                   | T3                                                                                 | 145 0969 | Air cylinder 3 Axial eco                                                            |
|                                                                                   | T4                                                                                 | 145 0995 | Air cylinder 4 Axial eco                                                            |
| 47                                                                                |                                                                                    | 145 7750 | Pressure relief valve, complete                                                     |
| 48                                                                                |                                                                                    | 143 5484 | O-ring                                                                              |
| 49                                                                                | T1                                                                                 | 151 5051 | Silencer 1, complete                                                                |
|                                                                                   | T2                                                                                 | 145 7862 | Silencer 2, complete                                                                |
|                                                                                   | T3, T4                                                                             | 145 7956 | Silencer 3, complete                                                                |
| 50                                                                                |                                                                                    | 143 5667 | Connecting nipple                                                                   |
| 51                                                                                |                                                                                    | 144 6030 | Sealing ring                                                                        |
| 52                                                                                |                                                                                    | 143 5648 | Spacer cage                                                                         |
| 53 •                                                                              |                                                                                    | 143 5647 | Rod seal                                                                            |
| 54                                                                                |                                                                                    | 143 5651 | Control piston                                                                      |
| 55 •                                                                              |                                                                                    | 143 5675 | Piston seal                                                                         |
| 56                                                                                |                                                                                    | 143 5652 | Piston housing                                                                      |
| 57                                                                                |                                                                                    | 143 5688 | O-ring                                                                              |
| 58                                                                                | T1                                                                                 | 144 6026 | Stopper 1                                                                           |
|                                                                                   | T2                                                                                 | 144 6073 | Stopper 2                                                                           |
|                                                                                   | T3, T4                                                                             | 144 6100 | Stopper 3                                                                           |
| 59                                                                                |                                                                                    | 144 5773 | Housing screw, short                                                                |
| 60                                                                                |                                                                                    | 143 5486 | O-ring                                                                              |
| 61                                                                                |                                                                                    | 143 5492 | Al nut                                                                              |
| 62 •                                                                              | T1                                                                                 | 143 5658 | Piston seal                                                                         |
|                                                                                   | T2, T3                                                                             | 143 5841 | Piston seal                                                                         |
| 63 •                                                                              | T1                                                                                 | 143 6007 | Piston seal                                                                         |
|                                                                                   | T1                                                                                 | 143 5657 | Guide ring 1                                                                        |
|                                                                                   | T2, T3                                                                             | 143 5825 | Guide ring 2                                                                        |
|                                                                                   | T4                                                                                 | 143 6006 | Guide ring 4                                                                        |
| 64 •                                                                              | T1                                                                                 | 143 5656 | Piston seal                                                                         |
|                                                                                   | T2, T3                                                                             | 143 5670 | Piston seal                                                                         |
| 65                                                                                | T1                                                                                 | 145 7751 | Air piston 1, complete                                                              |
|                                                                                   | T2                                                                                 | 145 7860 | Air piston 2, complete                                                              |
|                                                                                   | T3                                                                                 | 145 7952 | Air piston 3, complete                                                              |
|                                                                                   | T4                                                                                 | 145 7994 | Air piston 4, complete                                                              |
| 66 •                                                                              | T1                                                                                 | 143 5660 | O-ring                                                                              |
|                                                                                   | T2                                                                                 | 143 5834 | O-ring                                                                              |
|                                                                                   | T3, T4                                                                             | 143 5937 | O-ring                                                                              |
| 67 •                                                                              | T1                                                                                 | 143 5659 | Rod seal                                                                            |
| 68                                                                                | T1                                                                                 | 144 6027 | Snap ring                                                                           |
|                                                                                   | T2, T3, T4                                                                         | 144 6082 | V-profile ring                                                                      |
| 69                                                                                | T1                                                                                 | 143 5680 | O-ring                                                                              |
|                                                                                   | T2                                                                                 | 143 5839 | O-ring                                                                              |
|                                                                                   | T3, T4                                                                             | 143 5927 | O-ring                                                                              |
| 70                                                                                | T1                                                                                 | 145 7752 | Cylinder 1, complete                                                                |
|                                                                                   | T2                                                                                 | 145 7861 | Cylinder 2, complete                                                                |
|                                                                                   | T3                                                                                 | 145 7953 | Cylinder 3, complete                                                                |
|                                                                                   | T4                                                                                 | 145 7995 | Cylinder 4, complete                                                                |
| 71                                                                                | T1                                                                                 | 143 5508 | Bottom 1                                                                            |
|                                                                                   | T2                                                                                 | 143 5761 | Bottom 2                                                                            |
|                                                                                   | T3, T4                                                                             | 143 5874 | Bottom 3                                                                            |
| 72                                                                                |                                                                                    | 143 5538 | Holder                                                                              |
| 73                                                                                |                                                                                    | 144 5630 | Allen screw                                                                         |
| 74                                                                                |                                                                                    | 144 6087 | Fillister head screw                                                                |
| 75                                                                                |                                                                                    | 143 5836 | Hanger                                                                              |
| 76                                                                                |                                                                                    | 144 6085 | Allen screw                                                                         |
| 77                                                                                |                                                                                    | 143 5575 | Grip                                                                                |
| 78                                                                                |                                                                                    | 145 6753 | Valve, complete                                                                     |
| 79                                                                                |                                                                                    | 144 5342 | Screw                                                                               |
| 80                                                                                |                                                                                    | 144 5262 | Nut                                                                                 |
|                                                                                   |                                                                                    | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

• Wearing parts

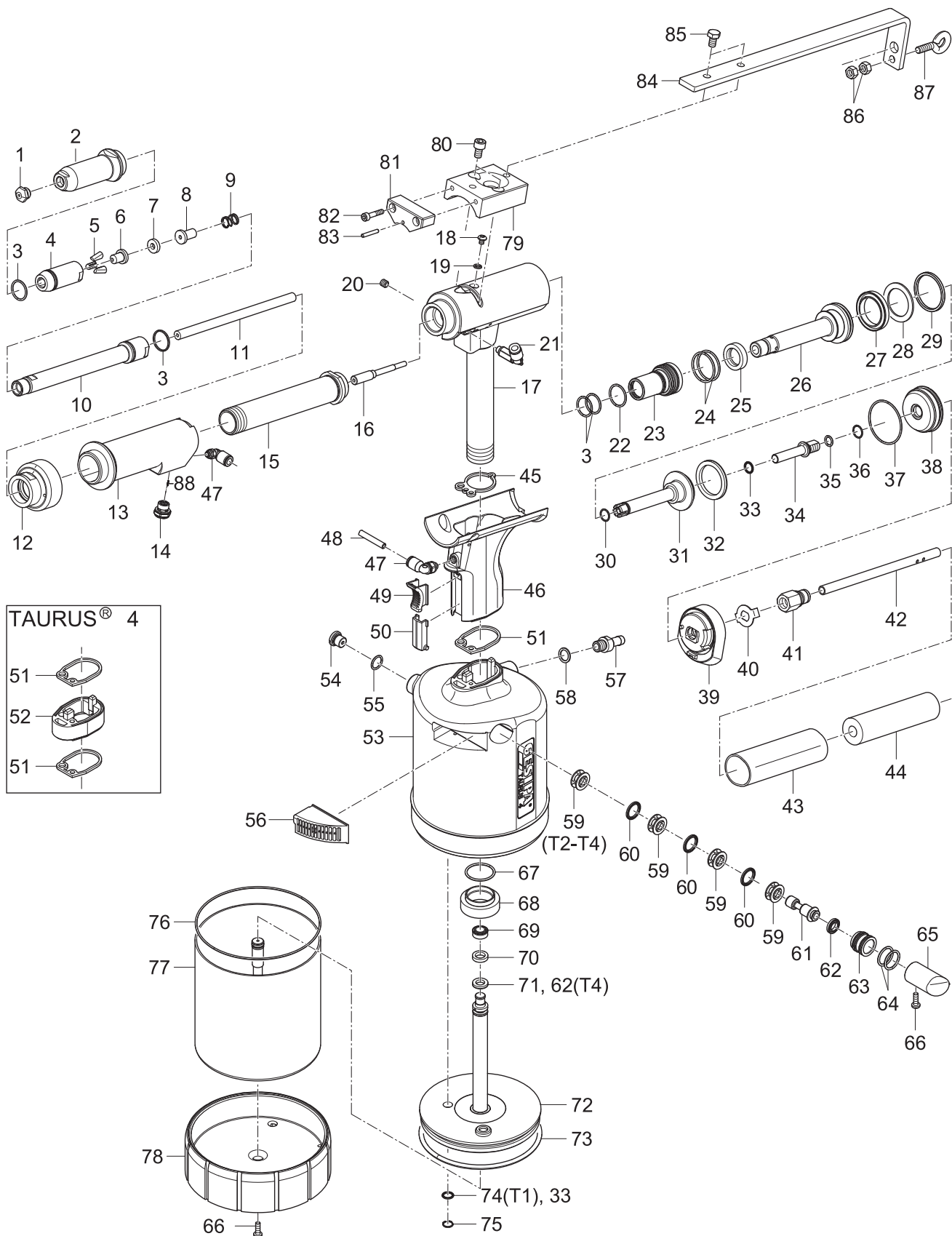
\* The length required must always be specified on the order;  
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You will find detailed nosepiece allocation tables on page 130.

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 1-4 Axial



You will find detailed nosepiece allocation tables on page 130.

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 1-4 Axial

|  |  |          |  |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                              | T1                                                                                | 143 4976 | Nosepiece 17/18                                                                   |
|                                                                                  |                                                                                   | 143 4994 | Nosepiece 17/20                                                                   |
|                                                                                  |                                                                                   | 143 5018 | Nosepiece 17/22                                                                   |
|                                                                                  | T2                                                                                | 143 4955 | Nosepiece 17/24                                                                   |
|                                                                                  |                                                                                   | 143 4973 | Nosepiece 17/27                                                                   |
|                                                                                  |                                                                                   | 143 4974 | Nosepiece 17/29                                                                   |
|                                                                                  |                                                                                   | 143 4975 | Nosepiece 17/32                                                                   |
|                                                                                  | T3                                                                                | 143 4977 | Nosepiece 17/36                                                                   |
|                                                                                  |                                                                                   | 143 4999 | Nosepiece 17/40                                                                   |
|                                                                                  |                                                                                   | 143 4860 | Nosepiece 17/45                                                                   |
| 2                                                                                |                                                                                   | 143 6003 | Steel head sleeve 4                                                               |
| 3 •                                                                              |                                                                                   | 144 6012 | O-ring                                                                            |
| 4 •                                                                              |                                                                                   | 143 6002 | Jaw housing                                                                       |
| 5 •                                                                              |                                                                                   | 143 5568 | Jaw (3-part)                                                                      |
| 6 •                                                                              | T1                                                                                | 143 5507 | Jaw pusher 1                                                                      |
|                                                                                  | T2                                                                                | 143 5768 | Jaw pusher 2                                                                      |
|                                                                                  | T3, T4                                                                            | 143 6000 | Jaw pusher 4                                                                      |
| 7                                                                                |                                                                                   | 143 5999 | Damping ring 4                                                                    |
| 8                                                                                | T1                                                                                | 143 5509 | Centre part 1                                                                     |
|                                                                                  | T2                                                                                | 143 5769 | Centre part 2                                                                     |
|                                                                                  | T3, T4                                                                            | 143 6001 | Centre part 4                                                                     |
| 9 •                                                                              |                                                                                   | 146 3064 | Spring                                                                            |
| 10                                                                               |                                                                                   | 143 5863 | Adapter, ext. 150mm                                                               |
| 11                                                                               | T1                                                                                | 143 5867 | Adapter 1, ext. 150mm                                                             |
|                                                                                  | T2                                                                                | 143 5862 | Adapter 1, ext. 150mm                                                             |
|                                                                                  | T3, T4                                                                            | 143 5868 | Adapter 1, ext. 150mm                                                             |
| 12                                                                               |                                                                                   | 143 5856 | Adapter                                                                           |
| 13                                                                               |                                                                                   | 143 6915 | Grip Axial complete                                                               |
| 14                                                                               |                                                                                   | 143 6481 | Trip valve                                                                        |
| 15                                                                               |                                                                                   | 143 5857 | Spacer                                                                            |
| 16                                                                               | T1                                                                                | 143 5558 | Nozzle tube 1                                                                     |
|                                                                                  | T2                                                                                | 143 5764 | Nozzle tube 2, long                                                               |
|                                                                                  | T3, T4                                                                            | 143 5886 | Nozzle tube 3, long                                                               |
| 17                                                                               | T1                                                                                | 143 6479 | Tool head 1, assembled                                                            |
|                                                                                  | T2, T3                                                                            | 143 6476 | Tool head 2, assembled                                                            |
|                                                                                  | T4                                                                                | 143 6422 | Tool head 4, assembled                                                            |
| 18                                                                               |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 19                                                                               |                                                                                   | 143 5612 | Sealing ring M4                                                                   |
| 20                                                                               |                                                                                   | 145 2756 | Stud bolt                                                                         |
| 21                                                                               |                                                                                   | 145 2755 | Screw connection                                                                  |
| 22 •                                                                             |                                                                                   | 143 5629 | O-ring                                                                            |
| 23                                                                               |                                                                                   | 143 5681 | Seal holder, complete                                                             |
| 24 •                                                                             |                                                                                   | 143 4227 | O-ring                                                                            |
| 25 •                                                                             |                                                                                   | 143 5630 | Rod seal                                                                          |
| 26                                                                               |                                                                                   | 143 5631 | Draw bar                                                                          |
| 27 •                                                                             |                                                                                   | 143 5632 | Piston seal                                                                       |
| 28 •                                                                             |                                                                                   | 143 5488 | Supporting ring                                                                   |
| 29 •                                                                             |                                                                                   | 143 5485 | Piston seal                                                                       |
| 30 •                                                                             |                                                                                   | 143 5671 | O-ring                                                                            |
| 31                                                                               |                                                                                   | 145 7746 | Resetting piston, complete                                                        |
| 32 •                                                                             |                                                                                   | 143 5633 | Piston seal                                                                       |
| 33 •                                                                             |                                                                                   | 143 5635 | Rod seal                                                                          |
| 34                                                                               | T1                                                                                | 143 5852 | Connecting piece 1                                                                |
|                                                                                  | T2, T3, T4                                                                        | 143 5765 | Connecting piece 2/3                                                              |
| 35                                                                               |                                                                                   | 143 5519 | O-ring                                                                            |
| 36                                                                               |                                                                                   | 144 6167 | Snap ring                                                                         |
| 37                                                                               |                                                                                   | 143 5524 | O-ring                                                                            |
| 38                                                                               |                                                                                   | 143 5532 | End cap                                                                           |
| 39                                                                               |                                                                                   | 143 5663 | Adapter                                                                           |
| 40                                                                               |                                                                                   | 143 5842 | Lock washer                                                                       |
| 41                                                                               |                                                                                   | 143 5848 | Screw connection                                                                  |
| 42                                                                               |                                                                                   | 143 5767 | Hose                                                                              |
| 43                                                                               |                                                                                   | 144 5647 | Protective hose                                                                   |
| 44                                                                               |                                                                                   | 143 5579 | Foamed material tubes (0,1m)                                                      |
| 45 •                                                                             |                                                                                   | 143 5472 | Flat gasket 1                                                                     |
| 46                                                                               |                                                                                   | 143 6480 | Grip FA, complete                                                                 |
| 47                                                                               |                                                                                   | 144 6230 | Screw connection                                                                  |
| 48                                                                               |                                                                                   | 144 6134 | Tube 0,1m*                                                                        |

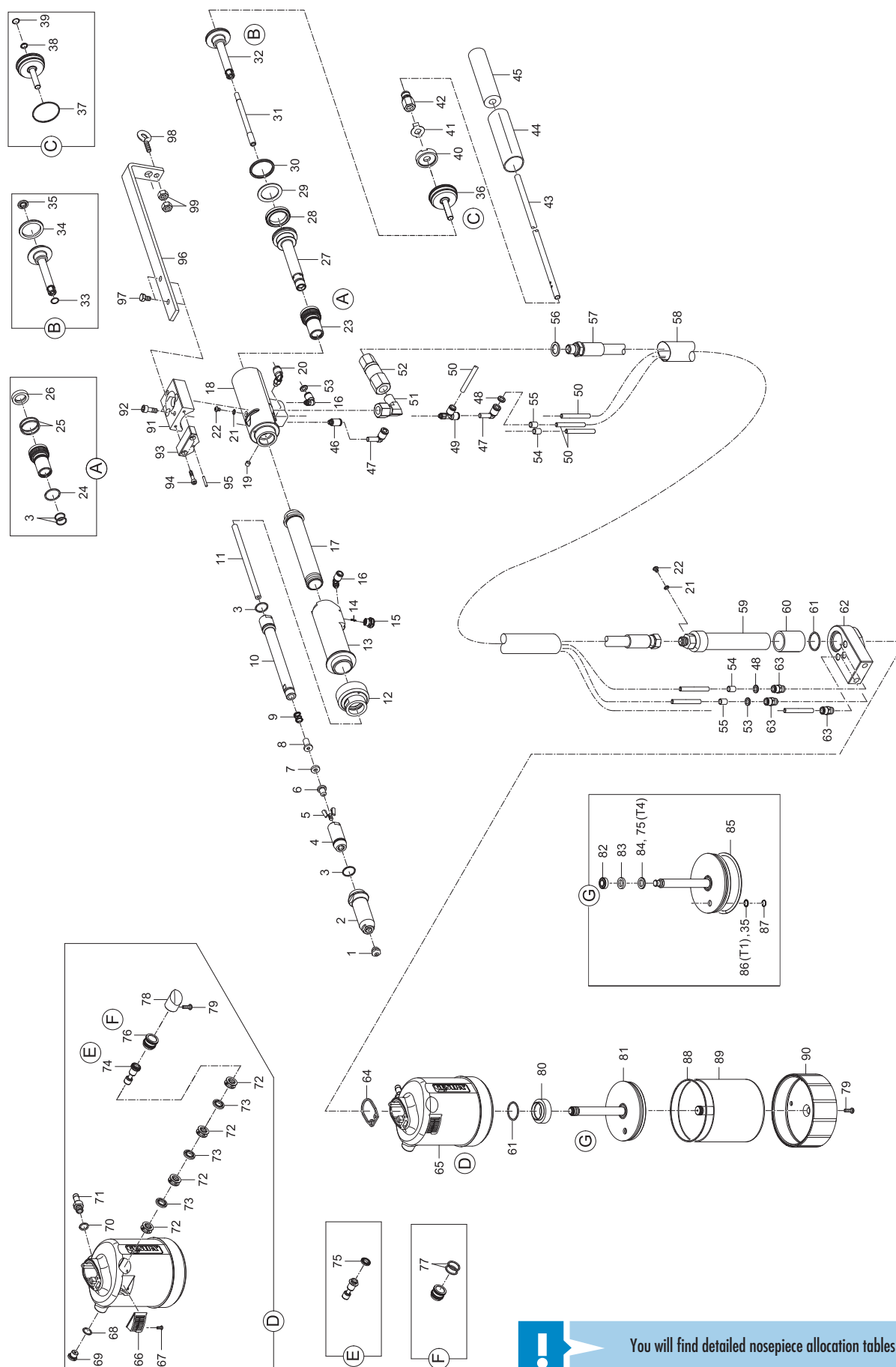
|  |  |          |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 49                                                                                |                                                                                    | 143 5642 | Slider                                                                              |
| 50                                                                                |                                                                                    | 143 5686 | Orifice                                                                             |
| 51 •                                                                              |                                                                                    | 143 5480 | Flat gasket 2                                                                       |
| 52                                                                                | T4                                                                                 | 143 5998 | Grip extension                                                                      |
| 53                                                                                | T1                                                                                 | 145 0882 | Air cylinder 1 Axial                                                                |
|                                                                                   | T2                                                                                 | 145 0941 | Air cylinder 2 Axial                                                                |
|                                                                                   | T3                                                                                 | 145 0968 | Air cylinder 3 Axial                                                                |
|                                                                                   | T4                                                                                 | 145 0994 | Air cylinder 4 Axial                                                                |
| 54                                                                                |                                                                                    | 145 7750 | Pressure relief valve, complete                                                     |
| 55                                                                                |                                                                                    | 143 5484 | O-ring                                                                              |
| 56                                                                                | T1                                                                                 | 151 5051 | Silencer 1, complete                                                                |
|                                                                                   | T2                                                                                 | 145 7862 | Silencer 2, complete                                                                |
|                                                                                   | T3, T4                                                                             | 145 7956 | Silencer 3, complete                                                                |
| 57                                                                                |                                                                                    | 143 5667 | Connecting nipple                                                                   |
| 58                                                                                |                                                                                    | 144 6030 | Sealing ring                                                                        |
| 59                                                                                |                                                                                    | 143 5648 | Spacer cage                                                                         |
| 60 •                                                                              |                                                                                    | 143 5647 | Rod seal                                                                            |
| 61                                                                                |                                                                                    | 143 5651 | Control piston                                                                      |
| 62 •                                                                              |                                                                                    | 143 5675 | Piston seal                                                                         |
| 63                                                                                |                                                                                    | 143 5652 | Piston housing                                                                      |
| 64                                                                                |                                                                                    | 143 5688 | O-ring                                                                              |
| 65                                                                                | T1                                                                                 | 144 6026 | Stopper 1                                                                           |
|                                                                                   | T2                                                                                 | 144 6073 | Stopper 2                                                                           |
|                                                                                   | T3, T4                                                                             | 144 6100 | Stopper 3                                                                           |
| 66                                                                                |                                                                                    | 144 5773 | Housingscrew, short                                                                 |
| 67                                                                                |                                                                                    | 143 5486 | O-ring                                                                              |
| 68                                                                                |                                                                                    | 143 5492 | Al nut                                                                              |
| 69 •                                                                              | T1                                                                                 | 143 5658 | Piston seal                                                                         |
|                                                                                   | T2, T3                                                                             | 143 5841 | Piston seal                                                                         |
|                                                                                   | T4                                                                                 | 143 6007 | Piston seal                                                                         |
| 70 •                                                                              | T1                                                                                 | 143 5657 | Guide ring 1                                                                        |
|                                                                                   | T2, T3                                                                             | 143 5825 | Guide ring 2                                                                        |
|                                                                                   | T4                                                                                 | 143 6006 | Guide ring 3                                                                        |
| 71 •                                                                              | T1                                                                                 | 143 5656 | Piston seal                                                                         |
|                                                                                   | T2, T3                                                                             | 143 5670 | Piston seal                                                                         |
| 72                                                                                | T1                                                                                 | 145 7751 | Air piston 1, complete                                                              |
|                                                                                   | T2                                                                                 | 145 7860 | Air piston 2, complete                                                              |
|                                                                                   | T3                                                                                 | 145 7952 | Air piston 3, complete                                                              |
|                                                                                   | T4                                                                                 | 145 7994 | Air piston 4, complete                                                              |
| 73 •                                                                              | T1                                                                                 | 143 5660 | O-ring                                                                              |
|                                                                                   | T2                                                                                 | 143 5834 | O-ring                                                                              |
|                                                                                   | T3, T4                                                                             | 143 5937 | O-ring                                                                              |
| 74 •                                                                              | T1                                                                                 | 143 5659 | Rod seal                                                                            |
| 75                                                                                | T1                                                                                 | 144 6027 | Snap ring                                                                           |
|                                                                                   | T2, T3, T4                                                                         | 144 6082 | V-profile ring                                                                      |
| 76                                                                                | T1                                                                                 | 143 5680 | O-ring                                                                              |
|                                                                                   | T2                                                                                 | 143 5839 | O-ring                                                                              |
|                                                                                   | T3, T4                                                                             | 143 5927 | O-ring                                                                              |
| 77                                                                                | T1                                                                                 | 145 7752 | Cylinder 1, complete                                                                |
|                                                                                   | T2                                                                                 | 145 7861 | Cylinder 2, complete                                                                |
|                                                                                   | T3                                                                                 | 145 7953 | Cylinder 3, complete                                                                |
|                                                                                   | T4                                                                                 | 145 7995 | Cylinder 4, complete                                                                |
| 78                                                                                | T1                                                                                 | 143 5508 | Bottom 1                                                                            |
|                                                                                   | T2                                                                                 | 143 5761 | Bottom 2                                                                            |
|                                                                                   | T3, T4                                                                             | 143 5874 | Bottom 3                                                                            |
| 79                                                                                |                                                                                    | 143 5538 | Holder                                                                              |
| 80                                                                                |                                                                                    | 144 5630 | Allen screw                                                                         |
| 81                                                                                |                                                                                    | 145 0895 | Holder                                                                              |
| 82                                                                                |                                                                                    | 145 2757 | Allen screw                                                                         |
| 83                                                                                |                                                                                    | 143 3954 | Cylinder pin                                                                        |
| 84                                                                                |                                                                                    | 143 5836 | Hanger                                                                              |
| 85                                                                                |                                                                                    | 144 6092 | Hexagon head screw                                                                  |
| 86                                                                                |                                                                                    | 144 5262 | Nut                                                                                 |
| 87                                                                                |                                                                                    | 144 5342 | Screw                                                                               |
|                                                                                   |                                                                                    | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

• Wearing parts

\* The length required must always be specified on the order; the article numbers always refers to the price per metre.

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAUREX 1-4 Axial



You will find detailed nosepiece allocation tables on page 130.

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAUREX 1-4 Axial

|  |  | No.      |  |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1                                                                                | T1                                                                                | 143 4976 | Nosepiece 17/18                                                                   |
|                                                                                  |                                                                                   | 143 4994 | Nosepiece 17/20                                                                   |
|                                                                                  |                                                                                   | 143 5018 | Nosepiece 17/22                                                                   |
|                                                                                  | T2                                                                                | 143 4955 | Nosepiece 17/24                                                                   |
|                                                                                  |                                                                                   | 143 4973 | Nosepiece 17/27                                                                   |
|                                                                                  |                                                                                   | 143 4974 | Nosepiece 17/29                                                                   |
|                                                                                  |                                                                                   | 143 4975 | Nosepiece 17/32                                                                   |
|                                                                                  | T3, T4                                                                            | 143 4977 | Nosepiece 17/36                                                                   |
|                                                                                  |                                                                                   | 143 4999 | Nosepiece 17/40                                                                   |
|                                                                                  |                                                                                   | 143 4860 | Nosepiece 17/45                                                                   |
| 2                                                                                |                                                                                   | 143 6003 | Steel head sleeve 4                                                               |
| 3 •                                                                              |                                                                                   | 144 6012 | O-ring                                                                            |
| 4 •                                                                              |                                                                                   | 143 6002 | Jaw housing 4                                                                     |
| 5 •                                                                              |                                                                                   | 143 5568 | Jaws (3-part)                                                                     |
| 6 •                                                                              | T1                                                                                | 143 5507 | Jaw Pusher 1                                                                      |
|                                                                                  | T2                                                                                | 143 5768 | Jaw Pusher 2                                                                      |
|                                                                                  | T3, T4                                                                            | 143 6000 | Jaw Pusher 4                                                                      |
| 7                                                                                |                                                                                   | 143 5999 | Damping ring 4                                                                    |
| 8                                                                                | T1                                                                                | 143 5509 | Centre part 1                                                                     |
|                                                                                  | T2                                                                                | 143 5769 | Centre part 2                                                                     |
|                                                                                  | T3, T4                                                                            | 143 6001 | Centre part 4                                                                     |
| 9                                                                                |                                                                                   | 146 3064 | Spring                                                                            |
| 10                                                                               |                                                                                   | 143 5863 | Adapter                                                                           |
| 11                                                                               | T1                                                                                | 143 5867 | Adapter 1                                                                         |
|                                                                                  | T2                                                                                | 143 5862 | Adapter 2                                                                         |
|                                                                                  | T3, T4                                                                            | 143 5868 | Adapter 3                                                                         |
| 12                                                                               |                                                                                   | 143 5856 | Adapter                                                                           |
| 13                                                                               |                                                                                   | 143 6915 | Grip Axial, complete                                                              |
| 14                                                                               |                                                                                   | 144 5996 | Spring                                                                            |
| 15                                                                               |                                                                                   | 143 6481 | Release valve, complete                                                           |
| 16                                                                               |                                                                                   | 144 6230 | Screw connection                                                                  |
| 17                                                                               |                                                                                   | 143 5857 | Spacer                                                                            |
| 18                                                                               |                                                                                   | 145 0948 | Tool head, assembled                                                              |
| 19                                                                               |                                                                                   | 145 2756 | Stud bolt                                                                         |
| 20                                                                               |                                                                                   | 144 6017 | Angle screw connection                                                            |
| 21                                                                               |                                                                                   | 143 5612 | Sealing ring M4                                                                   |
| 22                                                                               |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 23                                                                               |                                                                                   | 143 5681 | Seal holder, complete                                                             |
| 24 •                                                                             |                                                                                   | 143 5629 | O-ring                                                                            |
| 25 •                                                                             |                                                                                   | 143 4227 | O-ring                                                                            |
| 26 •                                                                             |                                                                                   | 143 5630 | Rod seal                                                                          |
| 27                                                                               |                                                                                   | 143 5631 | Draw bar                                                                          |
| 28 •                                                                             |                                                                                   | 143 5632 | Piston seal                                                                       |
| 29 •                                                                             |                                                                                   | 143 5488 | Supporting ring                                                                   |
| 30 •                                                                             |                                                                                   | 143 5485 | Piston seal                                                                       |
| 31                                                                               | T1                                                                                | 143 5558 | Nozzle tube 1                                                                     |
|                                                                                  | T2                                                                                | 143 5764 | Nozzle tube 2, long                                                               |
|                                                                                  | T3, T4                                                                            | 143 5886 | Nozzle tube 3, long                                                               |
| 32                                                                               |                                                                                   | 145 7746 | Resetting piston, complete                                                        |
| 33 •                                                                             |                                                                                   | 143 5671 | O-ring                                                                            |
| 34 •                                                                             |                                                                                   | 143 5633 | Piston seal                                                                       |
| 35 •                                                                             |                                                                                   | 143 5635 | Rod seal                                                                          |
| 36                                                                               | T1                                                                                | 143 5532 | End cap                                                                           |
|                                                                                  | T2, T3, T4                                                                        | 145 7840 | End cap                                                                           |
| 37                                                                               |                                                                                   | 143 5524 | O-ring                                                                            |
| 38                                                                               |                                                                                   | 143 5519 | O-ring                                                                            |
| 39                                                                               |                                                                                   | 144 6167 | Snap ring                                                                         |
| 40                                                                               |                                                                                   | 143 5853 | Supporting ring                                                                   |
| 41                                                                               |                                                                                   | 143 5842 | Lock washer                                                                       |
| 42                                                                               |                                                                                   | 143 5848 | Screw connection                                                                  |
| 43                                                                               |                                                                                   | 143 5767 | Hose                                                                              |
| 44                                                                               |                                                                                   | 143 5579 | Foamed material tubes                                                             |
| 45                                                                               |                                                                                   | 144 5647 | Protective hose                                                                   |
| 46                                                                               |                                                                                   | 144 6095 | Screw connection                                                                  |
| 47                                                                               |                                                                                   | 145 2759 | Plug-in coupling                                                                  |
| 48                                                                               |                                                                                   | 144 6133 | Coding ring, red                                                                  |
| 49                                                                               |                                                                                   | 144 6093 | Screw connection                                                                  |
| 50                                                                               |                                                                                   | 144 6134 | PU tube*                                                                          |

• Wearing parts

\* The length required must always be specified on the order; the article numbers always refers to the price per metre.

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 51                                                                                |                                                                                    | 144 6145 | Angle screw connection                                                              |
| 52                                                                                |                                                                                    | 144 6146 | Swivel                                                                              |
| 53                                                                                |                                                                                    | 144 6132 | Coding ring, green                                                                  |
| 54                                                                                |                                                                                    | 144 5395 | PA tube red*                                                                        |
| 55                                                                                |                                                                                    | 144 5393 | PA tube green*                                                                      |
| 56                                                                                |                                                                                    | 144 6131 | Sealing ring                                                                        |
| 57                                                                                |                                                                                    | 144 6136 | Hydraulic hose                                                                      |
| 58                                                                                |                                                                                    | 144 6135 | Protective hose                                                                     |
| 59                                                                                | T1                                                                                 | 151 3245 | Hose connector                                                                      |
|                                                                                   | T2, T3                                                                             | 151 3246 | Hose connector                                                                      |
|                                                                                   | T4                                                                                 | 151 3247 | Hose connector                                                                      |
| 60                                                                                | T1, T2, T3                                                                         | 143 6093 | Spacer tube                                                                         |
|                                                                                   | T4                                                                                 | 143 6102 | Spacer tube 4                                                                       |
| 61                                                                                |                                                                                    | 143 5486 | O-ring                                                                              |
| 62                                                                                |                                                                                    | 143 6092 | Cylinder adapter                                                                    |
| 63                                                                                |                                                                                    | 144 6130 | Screw connection                                                                    |
| 64 •                                                                              |                                                                                    | 143 5480 | Flat gasket                                                                         |
| 65                                                                                | T1                                                                                 | 148 8025 | Air cylinder 1, complete                                                            |
|                                                                                   | T2                                                                                 | 148 8026 | Air cylinder 2, complete                                                            |
|                                                                                   | T3                                                                                 | 148 8027 | Air cylinder 3, complete                                                            |
|                                                                                   | T4                                                                                 | 148 8029 | Air cylinder 4, complete                                                            |
| 66                                                                                | T1                                                                                 | 151 5051 | Silencer complete                                                                   |
|                                                                                   | T2                                                                                 | 145 7862 | Silencer complete                                                                   |
|                                                                                   | T3, T4                                                                             | 145 7956 | Silencer complete                                                                   |
| 67                                                                                |                                                                                    | 144 6089 | Screw                                                                               |
| 68                                                                                |                                                                                    | 143 5484 | O-ring                                                                              |
| 69                                                                                |                                                                                    | 145 7750 | Pressure relief valve                                                               |
| 70                                                                                |                                                                                    | 144 6030 | Sealing ring                                                                        |
| 71                                                                                |                                                                                    | 143 5667 | Connecting nipple                                                                   |
| 72                                                                                |                                                                                    | 143 5648 | Spacer ring                                                                         |
| 73                                                                                |                                                                                    | 143 5647 | Rod seal                                                                            |
| 74                                                                                |                                                                                    | 145 7694 | Control piston                                                                      |
| 75 •                                                                              |                                                                                    | 143 5675 | Piston seal                                                                         |
| 76                                                                                |                                                                                    | 145 7693 | Piston housing                                                                      |
| 77 •                                                                              |                                                                                    | 143 5688 | O-ring                                                                              |
| 78                                                                                | T1                                                                                 | 144 6026 | Stopper 1                                                                           |
|                                                                                   | T2                                                                                 | 144 6073 | Stopper 2                                                                           |
|                                                                                   | T3, T4                                                                             | 144 6100 | Stopper 3                                                                           |
| 79                                                                                |                                                                                    | 144 5773 | Screw                                                                               |
| 80                                                                                |                                                                                    | 143 5492 | Alu nut                                                                             |
| 81                                                                                | T1                                                                                 | 145 7751 | Air piston 1 complete                                                               |
|                                                                                   | T2                                                                                 | 145 7860 | Air piston 2 complete                                                               |
|                                                                                   | T3                                                                                 | 145 7952 | Air piston 3 complete                                                               |
|                                                                                   | T4                                                                                 | 145 7994 | Air piston 4 complete                                                               |
| 82 •                                                                              | T1                                                                                 | 143 5658 | Piston seal                                                                         |
|                                                                                   | T2, T3                                                                             | 143 5841 | Piston seal                                                                         |
|                                                                                   | T4                                                                                 | 143 6007 | Piston seal                                                                         |
| 83 •                                                                              | T1                                                                                 | 143 5657 | Guide ring 1                                                                        |
|                                                                                   | T2, T3                                                                             | 143 5825 | Guide ring 2                                                                        |
|                                                                                   | T4                                                                                 | 143 6006 | Guide ring 4                                                                        |
| 84 •                                                                              | T1                                                                                 | 143 5656 | Piston seal                                                                         |
|                                                                                   | T2, T3                                                                             | 143 5670 | Piston seal                                                                         |
| 85 •                                                                              | T1                                                                                 | 143 5660 | O-ring                                                                              |
|                                                                                   | T2                                                                                 | 143 5834 | O-ring                                                                              |
|                                                                                   | T3, T4                                                                             | 143 5937 | O-ring                                                                              |
| 86 •                                                                              | T1                                                                                 | 143 5659 | Rod seal                                                                            |
| 87                                                                                | T1                                                                                 | 144 6027 | Snap ring                                                                           |
|                                                                                   | T2, T3, T4                                                                         | 144 6082 | Snap ring                                                                           |
| 88                                                                                | T1                                                                                 | 143 5680 | O-ring                                                                              |
|                                                                                   | T2                                                                                 | 143 5839 | O-ring                                                                              |
|                                                                                   | T3, T4                                                                             | 143 5927 | O-ring                                                                              |
| 89                                                                                | T1                                                                                 | 145 7752 | Cylinder 1 complete                                                                 |
|                                                                                   | T2                                                                                 | 145 7861 | Cylinder 2 complete                                                                 |
|                                                                                   | T3                                                                                 | 145 7953 | Cylinder 3 complete                                                                 |
|                                                                                   | T4                                                                                 | 145 7995 | Cylinder 4 complete                                                                 |
| 90                                                                                | T1                                                                                 | 143 5508 | Bottom 1                                                                            |
|                                                                                   | T2                                                                                 | 143 5761 | Bottom 2                                                                            |
|                                                                                   | T3, T4                                                                             | 143 5874 | Bottom 3                                                                            |
| 91                                                                                |                                                                                    | 143 5538 | Holder                                                                              |
| 92                                                                                |                                                                                    | 144 5630 | Allen screw                                                                         |
| 93                                                                                |                                                                                    | 145 0895 | Holder                                                                              |
| 94                                                                                |                                                                                    | 143 6915 | Allen screw                                                                         |
| 95                                                                                |                                                                                    | 143 3954 | Cylinder pin                                                                        |
| 96                                                                                |                                                                                    | 143 5855 | Hanger                                                                              |
| 97                                                                                |                                                                                    | 144 6087 | Hexagon head screw                                                                  |
| 98                                                                                |                                                                                    | 144 5342 | Screw                                                                               |
| 99                                                                                |                                                                                    | 144 5262 | Nut                                                                                 |
|                                                                                   |                                                                                    | 144 5294 | Hydraulic oil refill bottle 100ml                                                   |



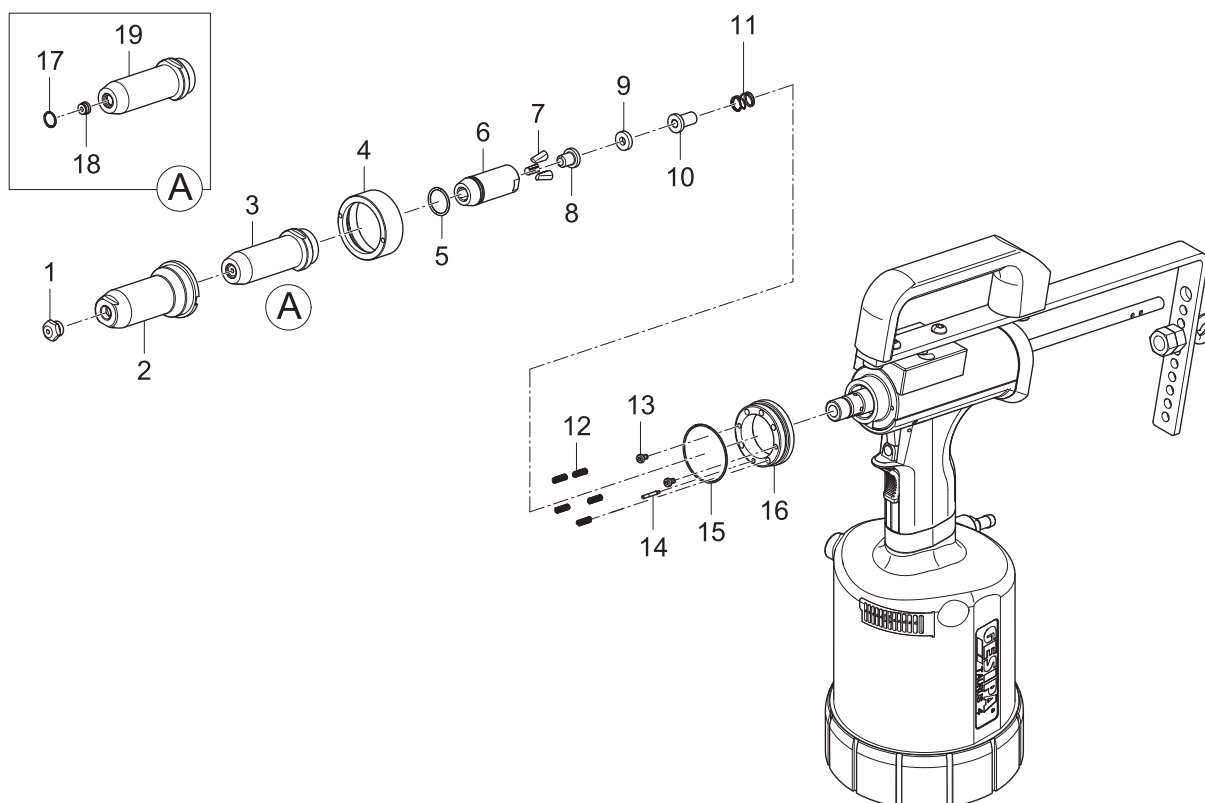
# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## Spring-loaded trigger system for TAURUS® 1-4 Axial eco

| 📍   | 🔧      | No.      | 🔗                           |
|-----|--------|----------|-----------------------------|
| 1 • | T1     | 143 5591 | Nosepiece 17/18 AV          |
|     |        | 143 4990 | Nosepiece 17/20 AV          |
|     |        | 143 4991 | Nosepiece 17/22 AV          |
|     | T2     | 143 5592 | Nosepiece 17/24 AV          |
|     |        | 143 5593 | Nosepiece 17/27 AV          |
|     |        | 143 5594 | Nosepiece 17/29 AV          |
|     |        | 143 5595 | Nosepiece 17/32 AV          |
|     |        | 143 5596 | Nosepiece 17/36 AV          |
|     | T3, T4 | 143 5597 | Nosepiece 17/40 AV          |
|     |        | 143 5598 | Nosepiece 17/45 AV          |
| 2   |        | 143 5466 | Steel head sleeve           |
| 3   | T1     | 145 0887 | Support sleeve AV, complete |
|     | T2     | 145 0943 | Support sleeve AV, complete |
|     | T3, T4 | 145 0978 | Support sleeve AV, complete |
| 4   |        | 143 5499 | Union nut                   |
| 5 • |        | 144 6012 | O-ring                      |
| 6 • |        | 143 6002 | Jaw housing 4               |
| 7 • |        | 143 5568 | Jaws (3-part)               |
| 8 • | T1     | 143 5507 | Jaw pusher 1                |
|     | T2     | 143 5768 | Jaw pusher 2                |
|     | T3, T4 | 143 6000 | Jaw pusher 4                |

| 📍    | 🔧      | No.      | 🔗               |
|------|--------|----------|-----------------|
| 9    |        | 143 5999 | Damping ring 4  |
| 10   | T1     | 143 5509 | Centre part 1   |
|      | T2     | 143 5769 | Centre part 2   |
|      | T3, T4 | 143 6001 | Centre part 4   |
| 11 • |        | 146 3064 | Spring          |
| 12 • |        | 144 5994 | Spring          |
| 13   |        | 144 5995 | Allen screw     |
| 14   |        | 152 4521 | Stamp           |
| 15   |        | 143 5498 | Casing          |
| 16   |        | 143 5529 | O-ring          |
| 17   |        | 144 6010 | Snap ring       |
| 18 • | T1     | 143 5599 | Nosepiece Ø 2,5 |
|      | T2     | 143 5600 | Nosepiece Ø 3,2 |
|      | T3, T4 | 143 5601 | Nosepiece Ø 4,5 |
| 19   |        | 143 5467 | Support sleeve  |

• Wearing parts



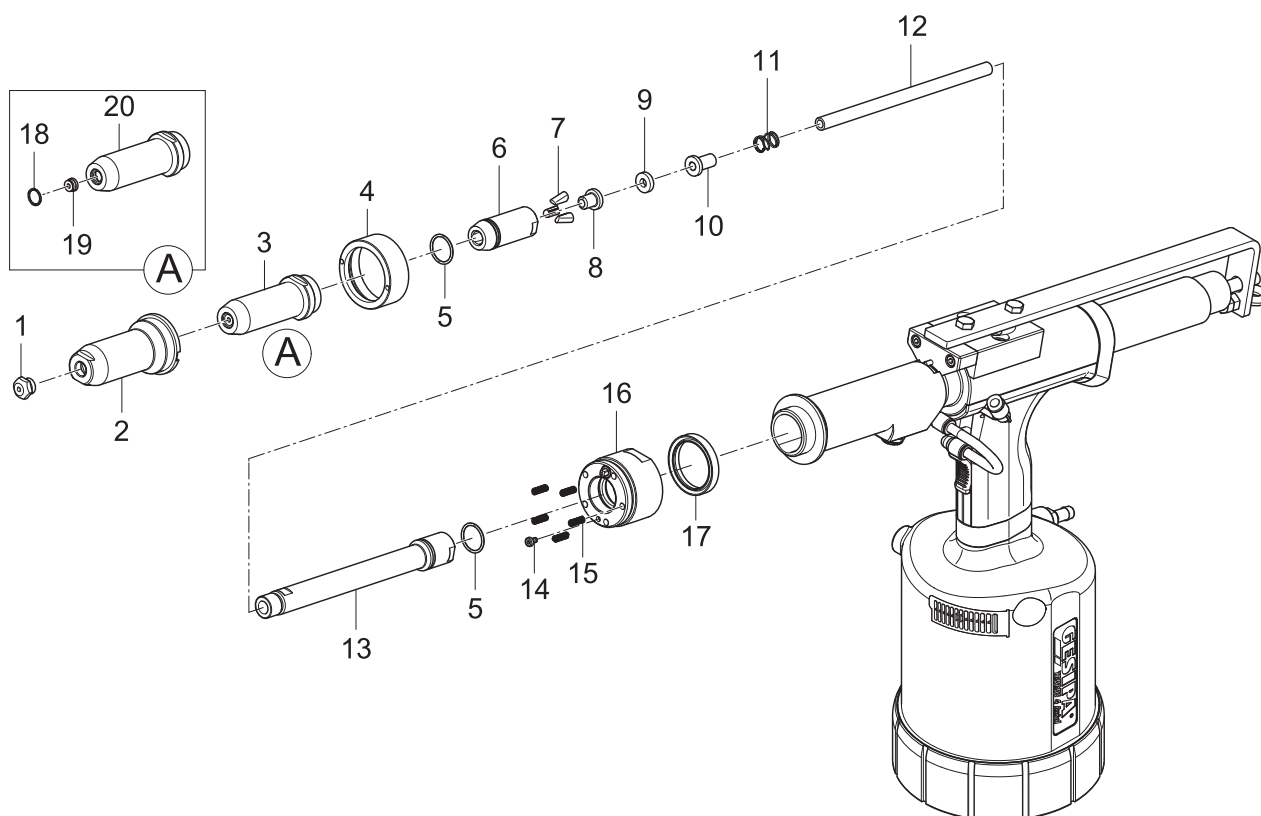
# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## Spring-loaded trigger system for **TAURUS® 1-4 Axial**

| 📍   | 🔧             | No.      | 🔗                           |
|-----|---------------|----------|-----------------------------|
| 1 • | <b>T1</b>     | 143 5591 | Nosepiece 17/18 AV          |
|     |               | 143 4990 | Nosepiece 17/20 AV          |
|     |               | 143 4991 | Nosepiece 17/22 AV          |
|     | <b>T2</b>     | 143 5592 | Nosepiece 17/24 AV          |
|     |               | 143 5593 | Nosepiece 17/27 AV          |
|     |               | 143 5594 | Nosepiece 17/29 AV          |
|     |               | 143 5595 | Nosepiece 17/32 AV          |
|     | <b>T3, T4</b> | 143 5596 | Nosepiece 17/36 AV          |
|     |               | 143 5597 | Nosepiece 17/40 AV          |
|     |               | 143 5598 | Nosepiece 17/45 AV          |
| 2   |               | 143 5466 | Steel head sleeve           |
| 3   | <b>T1</b>     | 145 0887 | Support sleeve AV, complete |
|     | <b>T2</b>     | 145 0943 | Support sleeve AV, complete |
|     | <b>T3, T4</b> | 145 0978 | Support sleeve AV, complete |
| 4   |               | 143 5499 | Union nut                   |
| 5 • |               | 144 6012 | O-ring                      |
| 6 • |               | 143 6002 | Jaw housing 4               |
| 7 • |               | 143 5568 | Jaws (3-part)               |
| 8 • | <b>T1</b>     | 143 5507 | Jaw pusher 1                |
|     | <b>T2</b>     | 143 5768 | Jaw pusher 2                |
|     | <b>T3, T4</b> | 143 6000 | Jaw pusher 4                |

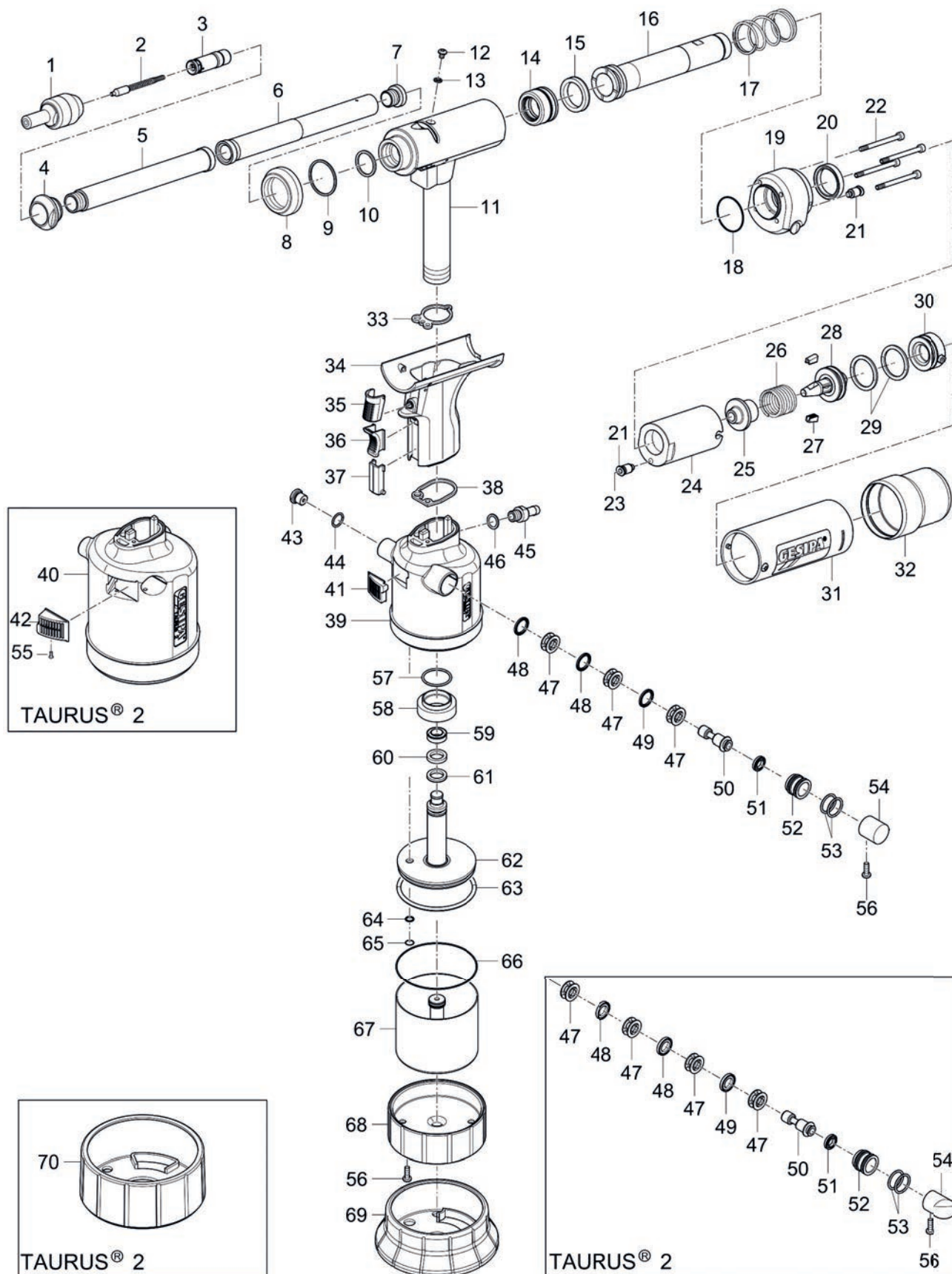
| 📍    | 🔧             | No.      | 🔗                    |
|------|---------------|----------|----------------------|
| 9    |               | 143 5999 | Damping ring 4       |
| 10   | <b>T1</b>     | 143 5509 | Centre part 1        |
|      | <b>T2</b>     | 143 5769 | Centre part 2        |
|      | <b>T3, T4</b> | 143 6001 | Centre part 4        |
| 11 • |               | 146 3064 | Spring               |
| 12   | <b>T1</b>     | 143 5867 | Adapter 1            |
|      | <b>T2</b>     | 143 5862 | Adapter 2            |
|      | <b>T3, T4</b> | 143 5868 | Adapter 3            |
| 13   |               | 143 5863 | Adapter, ext. 150mm  |
| 14   |               | 144 6097 | Allen screw          |
| 15 • |               | 144 5994 | Spring               |
| 16   |               | 145 0947 | Valve body, complete |
| 17   |               | 143 5866 | Rod seal             |
| 18   |               | 144 6010 | Snap ring            |
| 19 • | <b>T1</b>     | 143 5599 | Nosepiece Ø 2,5      |
|      | <b>T2</b>     | 143 5600 | Nosepiece Ø 3,2      |
|      | <b>T3, T4</b> | 143 5601 | Nosepiece Ø 4,5      |
| 20   |               | 143 5467 | Support sleeve       |

• Wearing parts



# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## **TAURUS® 1 Speed Rivet / TAURUS® 2 Speed Rivet**



# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 1 Speed Rivet / TAURUS® 2 Speed Rivet

|  |  | No.      |  |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                              |                                                                                   | 145 7753 | Spreader nosepiece 3.2, complete                                                  |
|                                                                                  |                                                                                   | 145 7754 | Spreader nosepiece 4.0 complete                                                   |
|                                                                                  |                                                                                   | 145 7755 | Spreader nosepiece 4.8 complete                                                   |
|                                                                                  |                                                                                   | 145 7756 | Spreader nosepiece 3.2 extended, complete                                         |
|                                                                                  |                                                                                   | 145 7757 | Spreader nosepiece 4.0 extended, complete                                         |
|                                                                                  |                                                                                   | 145 7758 | Spreader nosepiece 4.8 extended, complete                                         |
|                                                                                  |                                                                                   | 145 0906 | Spreader nosepiece 3.2 with opening mechanism complete                            |
|                                                                                  |                                                                                   | 145 0907 | Spreader nosepiece 4.0 with opening mechanism complete                            |
|                                                                                  |                                                                                   | 145 0908 | Spreader nosepiece 4.8 with opening mechanism complete                            |
|                                                                                  |                                                                                   | 145 0909 | Spreader nosepiece 3.2 extended with opening mechanism, complete                  |
|                                                                                  |                                                                                   | 145 0910 | Spreader nosepiece 4.0 extended with opening mechanism complete                   |
|                                                                                  |                                                                                   | 145 0911 | Spreader nosepiece 4.8 extended with opening mechanism, complete                  |
| 2 •                                                                              |                                                                                   | 145 7759 | Spring 3.2, complete                                                              |
|                                                                                  |                                                                                   | 145 7761 | Spring 4.0 complete                                                               |
|                                                                                  |                                                                                   | 145 7763 | Spring 4.8 complete                                                               |
|                                                                                  |                                                                                   | 145 7760 | Spring 3.2 extended, complete                                                     |
|                                                                                  |                                                                                   | 145 7762 | Spring 4.0 extended, complete                                                     |
|                                                                                  |                                                                                   | 145 7764 | Spring 4.8 extended, complete                                                     |
| 3 •                                                                              |                                                                                   | 145 0918 | Slide lock, complete                                                              |
| 4                                                                                |                                                                                   | 143 5705 | Locator for guide tube SR                                                         |
| 5 •                                                                              |                                                                                   | 143 5710 | Guide tube 2 SR                                                                   |
| 6 •                                                                              |                                                                                   | 143 5709 | Guide tube 1 SR                                                                   |
| 7                                                                                |                                                                                   | 143 5712 | End screw SR                                                                      |
| 8                                                                                |                                                                                   | 143 5952 | Ring                                                                              |
| 9                                                                                |                                                                                   | 143 4266 | O-ring                                                                            |
| 10                                                                               |                                                                                   | 143 4462 | O-ring                                                                            |
| 11                                                                               | <b>T1</b>                                                                         | 145 0919 | Tool head 1 SR, assembled                                                         |
|                                                                                  | <b>T2</b>                                                                         | 145 0937 | Tool head 2 SR, assembled                                                         |
| 12                                                                               |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 13                                                                               |                                                                                   | 143 5612 | Sealing ring M4                                                                   |
| 14 •                                                                             |                                                                                   | 145 7765 | Oil piston, complete                                                              |
| 15 •                                                                             |                                                                                   | 143 5723 | Piston seal                                                                       |
| 16                                                                               |                                                                                   | 143 5722 | Pull tube SR                                                                      |
| 17                                                                               |                                                                                   | 143 5721 | Spring                                                                            |
| 18                                                                               |                                                                                   | 144 6053 | O-ring                                                                            |
| 19                                                                               |                                                                                   | 146 4433 | Connection block                                                                  |
| 20 •                                                                             |                                                                                   | 144 6051 | Rod seal                                                                          |
| 21                                                                               |                                                                                   | 144 6049 | Screw connection                                                                  |
| 22                                                                               |                                                                                   | 144 5970 | Allen screw                                                                       |
| 23                                                                               |                                                                                   | 144 6045 | Compressed air hose                                                               |
| 24                                                                               |                                                                                   | 143 5702 | Clamp housing                                                                     |
| 25                                                                               |                                                                                   | 143 5704 | Pressure sleeve                                                                   |
| 26                                                                               |                                                                                   | 143 5699 | Compression spring                                                                |
| 27 •                                                                             |                                                                                   | 143 5701 | Jaw                                                                               |
| 28                                                                               |                                                                                   | 145 7766 | Jaw guide, complete                                                               |
| 29 •                                                                             |                                                                                   | 144 6052 | O-ring                                                                            |
| 30                                                                               |                                                                                   | 145 0920 | Cover, complete                                                                   |
| 31                                                                               |                                                                                   | 145 0921 | Protective tube, complete                                                         |
| 32                                                                               |                                                                                   | 143 5714 | Protective cap                                                                    |

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 33 •                                                                              |                                                                                   | 143 5472 | Flat gasket 1                                                                       |
| 34                                                                                |                                                                                   | 145 0922 | Grip, complete                                                                      |
| 35                                                                                |                                                                                   | 144 6025 | Activation button                                                                   |
| 36                                                                                |                                                                                   | 143 5642 | Slider                                                                              |
| 37                                                                                |                                                                                   | 143 6169 | Orifice                                                                             |
| 38 •                                                                              |                                                                                   | 143 5480 | Flat gasket 2                                                                       |
| 39                                                                                | <b>T1</b>                                                                         | 145 0923 | Air cylinder SR 1, complete                                                         |
| 40                                                                                | <b>T2</b>                                                                         | 145 0938 | Air cylinder SR 2, complete                                                         |
| 41                                                                                | <b>T1</b>                                                                         | 151 5051 | Silencer 1                                                                          |
| 42                                                                                | <b>T2</b>                                                                         | 144 6088 | Silencer 2                                                                          |
| 43                                                                                |                                                                                   | 145 7750 | Pressure relief valve, complete                                                     |
| 44                                                                                |                                                                                   | 143 5484 | O-ring                                                                              |
| 45                                                                                |                                                                                   | 143 5667 | Connecting nipple                                                                   |
| 46                                                                                |                                                                                   | 144 6030 | Sealing ring                                                                        |
| 47                                                                                |                                                                                   | 143 5648 | Spacer cage                                                                         |
| 48                                                                                |                                                                                   | 143 5647 | Rod seal                                                                            |
| 49                                                                                |                                                                                   | 143 6248 | Washer                                                                              |
| 50                                                                                |                                                                                   | 143 6187 | Rod seal                                                                            |
| 51 •                                                                              |                                                                                   | 143 5675 | Piston seal                                                                         |
| 52                                                                                |                                                                                   | 143 5652 | Piston housing                                                                      |
| 53                                                                                |                                                                                   | 143 5688 | O-ring                                                                              |
| 54                                                                                | <b>T1</b>                                                                         | 144 6026 | Stopper 1                                                                           |
|                                                                                   | <b>T2</b>                                                                         | 144 6073 | Stopper 2                                                                           |
| 55                                                                                |                                                                                   | 144 6089 | Screw                                                                               |
| 56                                                                                |                                                                                   | 144 5773 | Housing screw short                                                                 |
| 57                                                                                |                                                                                   | 143 5486 | O-ring                                                                              |
| 58                                                                                |                                                                                   | 143 5492 | Al nut                                                                              |
| 59 •                                                                              | <b>T1</b>                                                                         | 143 5658 | Piston seal                                                                         |
|                                                                                   | <b>T2</b>                                                                         | 143 5841 | Piston seal                                                                         |
| 60 •                                                                              | <b>T1</b>                                                                         | 143 5657 | Guide ring 1                                                                        |
|                                                                                   | <b>T2</b>                                                                         | 143 5825 | Guide ring 2                                                                        |
| 61 •                                                                              | <b>T1</b>                                                                         | 143 5656 | Piston seal                                                                         |
|                                                                                   | <b>T2</b>                                                                         | 143 5670 | Piston seal                                                                         |
| 62                                                                                | <b>T1</b>                                                                         | 145 7751 | Air piston 1, complete                                                              |
|                                                                                   | <b>T2</b>                                                                         | 145 7860 | Air piston 2, complete                                                              |
| 63 •                                                                              | <b>T1</b>                                                                         | 143 5660 | O-ring                                                                              |
|                                                                                   | <b>T2</b>                                                                         | 143 5834 | O-ring                                                                              |
| 64 •                                                                              | <b>T1</b>                                                                         | 143 5659 | Rod seal                                                                            |
|                                                                                   | <b>T2</b>                                                                         | 143 5635 | Rod seal                                                                            |
| 65                                                                                | <b>T1</b>                                                                         | 144 6027 | Snap ring                                                                           |
|                                                                                   | <b>T2</b>                                                                         | 144 6082 | V-profile ring                                                                      |
| 66                                                                                | <b>T1</b>                                                                         | 143 5680 | O-ring                                                                              |
|                                                                                   | <b>T2</b>                                                                         | 143 5839 | O-ring                                                                              |
| 67                                                                                | <b>T1</b>                                                                         | 145 7752 | Cylinder 1, complete                                                                |
|                                                                                   | <b>T2</b>                                                                         | 145 7861 | Cylinder 2, complete                                                                |
| 68                                                                                | <b>T1</b>                                                                         | 143 5508 | Bottom 1                                                                            |
|                                                                                   | <b>T2</b>                                                                         | 143 5761 | Bottom 2                                                                            |
| 69                                                                                | <b>T1</b>                                                                         | 143 6394 | Rubber foot 1                                                                       |
| 70                                                                                | <b>T2</b>                                                                         | 143 6371 | Rubber foot 2                                                                       |
|                                                                                   |                                                                                   | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

• Wearing parts

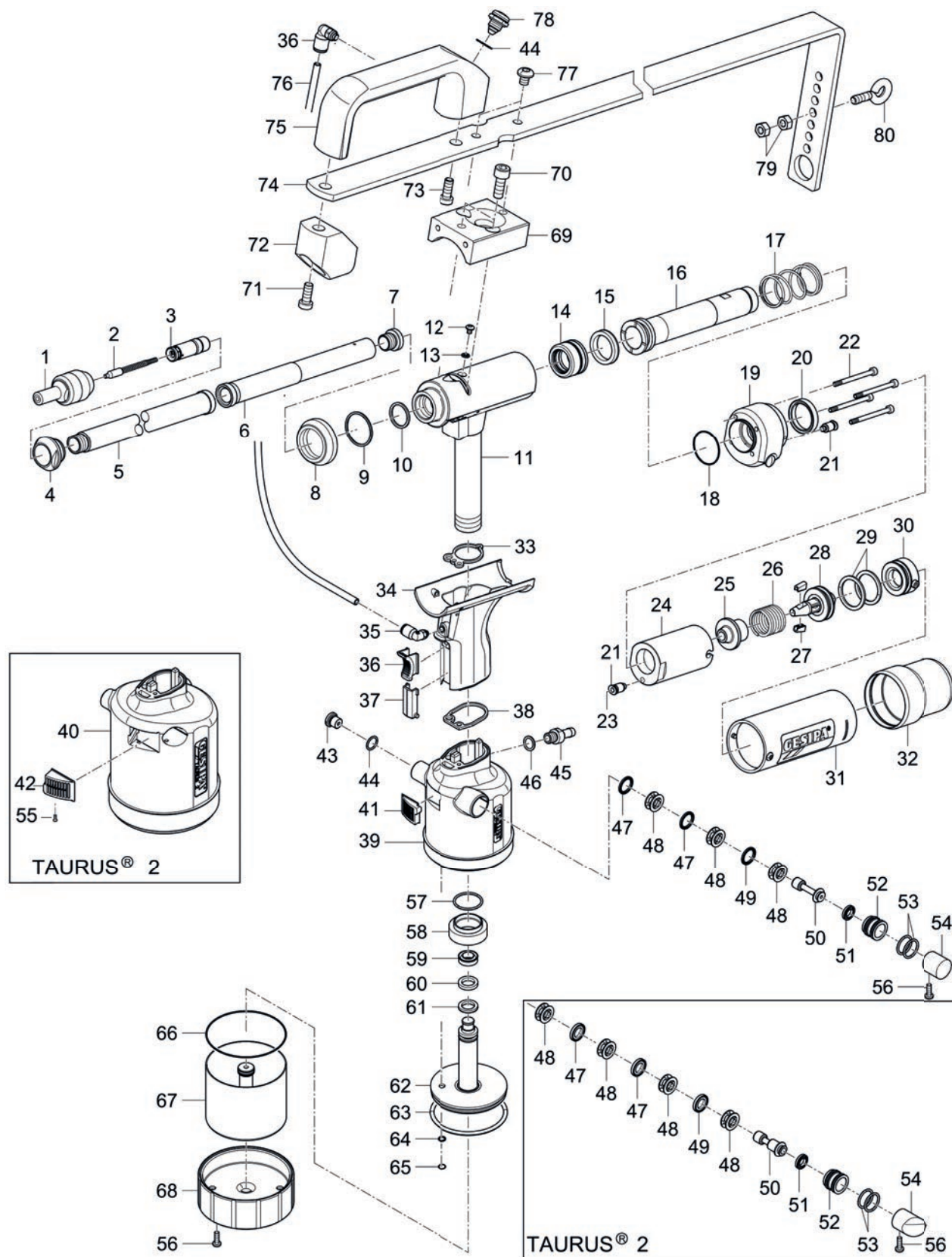


You will find detailed nosepiece allocation tables on page 130.

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

**TAURUS® 1 Speed Rivet Axial eco**

**TAURUS® 2 Speed Rivet Axial eco**





# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## TAURUS® 1 Speed Rivet Axial eco TAURUS® 2 Speed Rivet Axial eco

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               |                                                                                   | 145 7753 | Spreader nosepiece 3.2. complete                                                  |
|                                                                                   |                                                                                   | 145 7754 | Spreader nosepiece 4.0. complete                                                  |
|                                                                                   |                                                                                   | 145 7755 | Spreader nosepiece 4.8. complete                                                  |
|                                                                                   |                                                                                   | 145 7756 | Spreader nosepiece 3.2. extended complete                                         |
|                                                                                   |                                                                                   | 145 7757 | Spreader nosepiece 4.0 extended complete                                          |
|                                                                                   |                                                                                   | 145 7758 | Spreader nosepiece 4.8 extended complete                                          |
|                                                                                   |                                                                                   | 145 0906 | Spreader nosepiece 3.2 with opening mechanism complete                            |
|                                                                                   |                                                                                   | 145 0907 | Spreader nosepiece 4.0 with opening mechanism complete                            |
|                                                                                   |                                                                                   | 145 0908 | Spreader nosepiece 4.8 with opening mechanism complete                            |
|                                                                                   |                                                                                   | 145 0909 | Spreader nosepiece 3.2 extended with opening mechanism, complete                  |
|                                                                                   |                                                                                   | 145 0910 | Spreader nosepiece 4.0 extended with opening mechanism, complete                  |
|                                                                                   |                                                                                   | 145 0911 | Spreader nosepiece 4.8 extended with opening mechanism, complete                  |
| 2 •                                                                               |                                                                                   | 145 7759 | Spring 3.2, complete                                                              |
|                                                                                   |                                                                                   | 145 7761 | Spring 4.0, complete                                                              |
|                                                                                   |                                                                                   | 145 7763 | Spring 4.8, complete                                                              |
|                                                                                   |                                                                                   | 145 7760 | Spring 3.2 extended, complete                                                     |
|                                                                                   |                                                                                   | 145 7762 | Spring 4.0 extended, complete                                                     |
|                                                                                   |                                                                                   | 145 7764 | Spring 4.8 extended, complete                                                     |
| 3 •                                                                               |                                                                                   | 145 0918 | Slide lock, complete                                                              |
| 4                                                                                 |                                                                                   | 143 5705 | Locator for guide tube SR                                                         |
| 5 •                                                                               |                                                                                   | 143 5710 | Guide tube 2 SR                                                                   |
|                                                                                   |                                                                                   | 143 5685 | Guide tube long 2 SR                                                              |
| 6 •                                                                               |                                                                                   | 143 5709 | Guide tube 1 SR                                                                   |
| 7                                                                                 |                                                                                   | 143 5712 | End screw SR                                                                      |
| 8                                                                                 |                                                                                   | 143 5952 | Ring                                                                              |
| 9                                                                                 |                                                                                   | 143 4266 | O-ring                                                                            |
| 10                                                                                |                                                                                   | 143 4462 | O-ring                                                                            |
| 11                                                                                | T1                                                                                | 145 0924 | Tool head, assembled 1 SR                                                         |
|                                                                                   | T2                                                                                | 145 0940 | Tool head, assembled 2 SR                                                         |
| 12                                                                                |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 13                                                                                |                                                                                   | 143 5612 | Sealing ring M4                                                                   |
| 14 •                                                                              |                                                                                   | 145 7765 | Oil piston, complete                                                              |
| 15 •                                                                              |                                                                                   | 143 5723 | Piston seal                                                                       |
| 16                                                                                |                                                                                   | 143 5722 | Pull tube SR                                                                      |
| 17                                                                                |                                                                                   | 143 5721 | Spring                                                                            |
| 18                                                                                |                                                                                   | 144 6053 | O-ring                                                                            |
| 19                                                                                |                                                                                   | 146 4433 | Connection block                                                                  |
| 20 •                                                                              |                                                                                   | 144 6051 | Rod seal                                                                          |
| 21                                                                                |                                                                                   | 144 6049 | Screw connection                                                                  |
| 22                                                                                |                                                                                   | 144 5970 | Allen screw                                                                       |
| 23                                                                                |                                                                                   | 144 6045 | Tube                                                                              |
| 24                                                                                |                                                                                   | 143 5702 | Clamp housing                                                                     |
| 25                                                                                |                                                                                   | 143 5704 | Pressure sleeve                                                                   |
| 26                                                                                |                                                                                   | 143 5699 | Compression spring                                                                |
| 27                                                                                |                                                                                   | 143 5701 | Jaw                                                                               |
| 28                                                                                |                                                                                   | 145 7766 | Jaw guide, complete                                                               |
| 29 •                                                                              |                                                                                   | 144 6052 | O-ring                                                                            |
| 30                                                                                |                                                                                   | 145 0920 | Cover, complete                                                                   |
| 31                                                                                |                                                                                   | 145 0921 | Protective tube, complete                                                         |
| 32                                                                                |                                                                                   | 143 5714 | Protective cap                                                                    |
| 33 •                                                                              |                                                                                   | 143 5472 | Flat gasket 1                                                                     |
| 34                                                                                |                                                                                   | 145 0925 | Grip, complete                                                                    |
| 35                                                                                |                                                                                   | 144 6230 | Hose connector                                                                    |
| 36                                                                                |                                                                                   | 143 5642 | Slider                                                                            |
| 37                                                                                |                                                                                   | 143 6169 | Orifice                                                                           |
| 38 •                                                                              |                                                                                   | 143 5480 | Flat gasket 2                                                                     |

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 39                                                                                | T1                                                                                | 145 0923 | Air cylinder SR 1, complete                                                         |
| 40                                                                                | T2                                                                                | 145 0938 | Air cylinder SR 2, complete                                                         |
| 41                                                                                | T1                                                                                | 151 5051 | Silencer 1                                                                          |
| 42                                                                                | T2                                                                                | 144 6088 | Silencer 2                                                                          |
| 43                                                                                |                                                                                   | 145 7750 | Pressure relief valve, complete                                                     |
| 44                                                                                |                                                                                   | 143 5484 | O-ring                                                                              |
| 45                                                                                |                                                                                   | 143 5667 | Connecting nipple                                                                   |
| 46                                                                                |                                                                                   | 144 6030 | Sealing ring                                                                        |
| 47                                                                                |                                                                                   | 143 5648 | Spacer cage                                                                         |
| 48                                                                                |                                                                                   | 143 5647 | Rod seal                                                                            |
| 49                                                                                |                                                                                   | 143 6248 | Washer                                                                              |
| 50                                                                                |                                                                                   | 143 6187 | Rod seal                                                                            |
| 51 •                                                                              |                                                                                   | 143 5675 | Piston seal                                                                         |
| 52                                                                                |                                                                                   | 143 5652 | Piston housing                                                                      |
| 53                                                                                |                                                                                   | 143 5688 | O-ring                                                                              |
| 54                                                                                |                                                                                   | 144 6026 | Stopper 1                                                                           |
|                                                                                   |                                                                                   | 144 6073 | Stopper 2                                                                           |
| 56                                                                                |                                                                                   | 144 6089 | Screw                                                                               |
| 57                                                                                |                                                                                   | 144 5773 | Housing screw, short                                                                |
| 58                                                                                |                                                                                   | 143 5486 | O-ring                                                                              |
| 59                                                                                |                                                                                   | 143 5492 | Al nut                                                                              |
| 60 •                                                                              | T1                                                                                | 143 5658 | Piston seal                                                                         |
|                                                                                   | T2                                                                                | 143 5841 | Piston seal                                                                         |
| 61 •                                                                              | T1                                                                                | 143 5657 | Guide ring 1                                                                        |
|                                                                                   | T2                                                                                | 143 5825 | Guide ring 2                                                                        |
| 62 •                                                                              | T1                                                                                | 143 5656 | Piston seal                                                                         |
|                                                                                   | T2                                                                                | 143 5670 | Piston seal                                                                         |
| 63                                                                                | T1                                                                                | 145 7751 | Air piston 1, complete                                                              |
|                                                                                   | T2                                                                                | 145 7860 | Air piston 2, complete                                                              |
| 64 •                                                                              | T1                                                                                | 143 5660 | O-ring                                                                              |
|                                                                                   | T2                                                                                | 143 5834 | O-ring                                                                              |
| 65 •                                                                              | T1                                                                                | 143 5659 | Rod seal                                                                            |
|                                                                                   | T2                                                                                | 143 5635 | Rod seal                                                                            |
| 66                                                                                | T1                                                                                | 144 6027 | Snap ring                                                                           |
|                                                                                   | T2                                                                                | 144 6082 | V-ring                                                                              |
| 67                                                                                | T1                                                                                | 143 5680 | O-ring                                                                              |
|                                                                                   | T2                                                                                | 143 5839 | O-ring                                                                              |
| 68                                                                                | T1                                                                                | 145 7752 | Cylinder 1, complete                                                                |
|                                                                                   | T2                                                                                | 145 7861 | Cylinder 2, complete                                                                |
| 69                                                                                | T1                                                                                | 143 5508 | Bottom 1                                                                            |
|                                                                                   | T2                                                                                | 143 5761 | Bottom 2                                                                            |
| 70                                                                                |                                                                                   | 143 5538 | Holder                                                                              |
| 71                                                                                |                                                                                   | 144 5630 | Allen screw                                                                         |
| 72                                                                                |                                                                                   | 144 6085 | Allen screw                                                                         |
| 73                                                                                |                                                                                   | 143 5684 | Holder                                                                              |
| 74                                                                                |                                                                                   | 144 6042 | Allen screw                                                                         |
| 75                                                                                |                                                                                   | 143 5682 | Hanger                                                                              |
|                                                                                   |                                                                                   | 143 5683 | Hanger long                                                                         |
| 76                                                                                |                                                                                   | 143 5575 | Grip                                                                                |
| 77                                                                                |                                                                                   | 144 6134 | Hose                                                                                |
| 78                                                                                |                                                                                   | 144 6087 | Fillister head screw                                                                |
| 79                                                                                |                                                                                   | 145 6753 | Valve complete                                                                      |
| 80                                                                                |                                                                                   | 144 5262 | Nut                                                                                 |
| 81                                                                                |                                                                                   | 144 5342 | Screw                                                                               |
|                                                                                   |                                                                                   | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

• Wearing parts

\* The length required must always be specified on the order;  
the article numbers always refers to the price per metre.



You will find detailed nosepiece allocation tables on page 130.



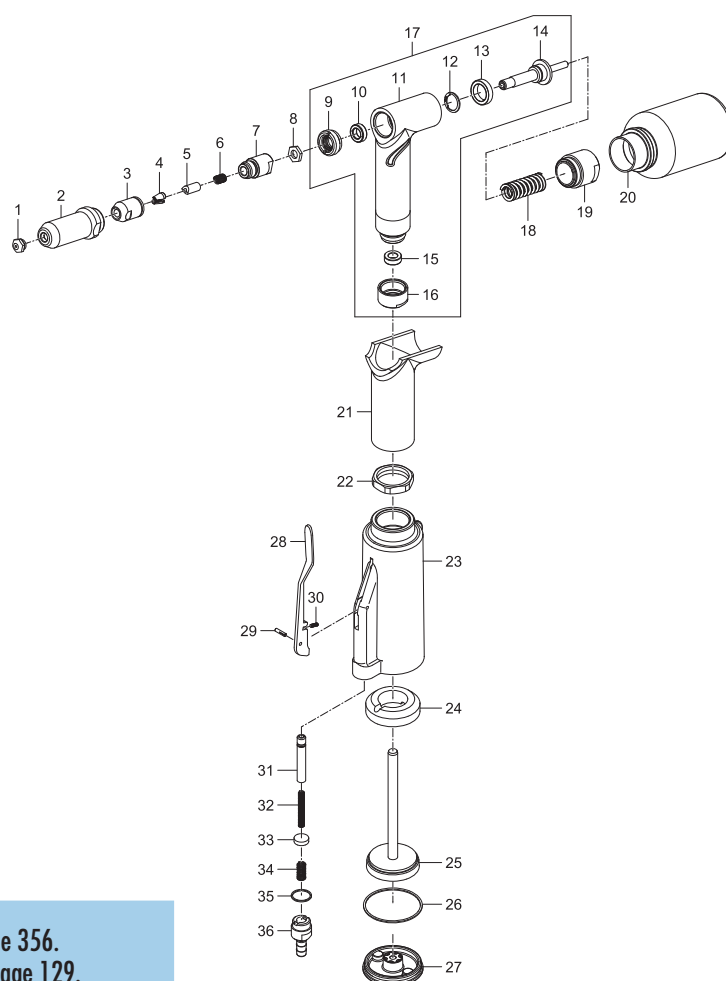
# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## PH 1 and PH 2

| 📍    | 🔧                 | No.      | 🔗                                                                                                              |
|------|-------------------|----------|----------------------------------------------------------------------------------------------------------------|
| 1 •  | <b>PH 1</b>       | 143 4285 | Nosepiece 16/18                                                                                                |
|      | <b>PH 1, PH 2</b> | 143 4288 | Nosepiece 16/24                                                                                                |
|      | <b>PH 1, PH 2</b> | 143 4289 | Nosepiece 16/27                                                                                                |
|      | <b>PH 1, PH 2</b> | 143 4290 | Nosepiece 16/29                                                                                                |
|      | <b>PH 2</b>       | 143 4291 | Nosepiece 16/32                                                                                                |
| 2    |                   | 143 4292 | Nosepiece 16/36                                                                                                |
| 3 •  |                   | 143 4105 | Steel head sleeve                                                                                              |
| 3 •  | <b>PH 1</b>       | 143 4243 | Jaw housing                                                                                                    |
|      | <b>PH 2</b>       | 143 4102 | Jaw housing                                                                                                    |
| 4 •  | <b>PH 1</b>       | 143 4071 | Jaws (2-part)                                                                                                  |
|      | <b>PH 1</b>       | 143 4241 | Jaws (2-part) per pair with fine toothing for blind rivets with small nominal Ø (2.4; 3 and 3.2 all materials) |
|      | <b>PH 2</b>       | 143 4103 | Jaws (3-part)                                                                                                  |
| 5 •  | <b>PH 1</b>       | 143 4242 | Jaw pusher                                                                                                     |
|      | <b>PH 2</b>       | 143 4319 | Jaw pusher                                                                                                     |
| 6 •  |                   | 144 5314 | Compression spring                                                                                             |
| 7    |                   | 143 4320 | Jaw adapter                                                                                                    |
| 8    |                   | 143 4321 | Nut                                                                                                            |
| 9 •  |                   | 143 4318 | Piston guide with wiper                                                                                        |
| 10 • |                   | 143 4323 | K seal                                                                                                         |
| 11   |                   | 143 4315 | Tool head                                                                                                      |
| 12   |                   | 144 5305 | Snap ring                                                                                                      |
| 13 • |                   | 143 4324 | K seal                                                                                                         |
| 14   |                   | 143 4322 | Piston                                                                                                         |
| 15 • |                   | 143 4326 | K seal                                                                                                         |
| 16   |                   | 143 4325 | Sealing ring holder                                                                                            |
| 17   |                   | 145 6792 | Tool head assembly (9-16)                                                                                      |
| 18 • |                   | 144 5304 | Return spring                                                                                                  |
| 19   |                   | 143 4327 | Closure screw                                                                                                  |
| 20   |                   | 144 5302 | Spent mandrel container                                                                                        |
| 21   |                   | 143 4343 | Plastic grip                                                                                                   |
| 22   |                   | 143 4337 | Locking nut                                                                                                    |

| 📍    | 🔧           | No.      | 🔗                                                              |
|------|-------------|----------|----------------------------------------------------------------|
| 23   | <b>PH 1</b> | 143 4244 | Tool body                                                      |
|      | <b>PH 2</b> | 143 4328 | Tool body                                                      |
| 24   | <b>PH 1</b> | 143 4246 | Buffer ring                                                    |
|      | <b>PH 2</b> | 143 4334 | Buffer ring                                                    |
| 25   | <b>PH 1</b> | 145 6769 | Air piston, complete                                           |
|      | <b>PH 2</b> | 145 6791 | Air piston, complete                                           |
| 26 • |             | 143 4332 | Round cord packing ring                                        |
| 27   | <b>PH 1</b> | 143 4245 | End cap complete                                               |
|      | <b>PH 2</b> | 143 4331 | End cap complete                                               |
| 28   |             | 143 4330 | Release lever                                                  |
| 29   |             | 144 5307 | Grooved pin                                                    |
| 30   |             | 144 5308 | Compression spring                                             |
| 31   |             | 145 6785 | Valve tube                                                     |
| 32   |             | 144 5306 | Valve spring                                                   |
| 33 • |             | 143 4329 | Valve spud                                                     |
| 34 • |             | 144 5303 | Compression spring                                             |
| 35   |             | 143 5258 | Sealing ring                                                   |
| 36   |             | 145 6784 | Hose fitting with sealing ring                                 |
|      |             | 143 5261 | Jaw pusher with reducing tube for thin mandrels Ø up to 2.3 mm |
|      |             | 143 5262 | Jaw pusher with reducing tube for thin mandrels Ø up to 2.3 mm |
|      |             | 145 6780 | Hydraulic oil (1 bottle) 250 ml                                |
|      |             | 143 4311 | Universal wrench MSU                                           |

• Wearing parts



You will find spare part kits for PH 1 and PH 2 on page 356.  
You will find detailed nosepiece allocation tables on page 129.

# HYDRO-PNEUMATIC BLIND RIVET SETTING TOOLS

## PH Axial

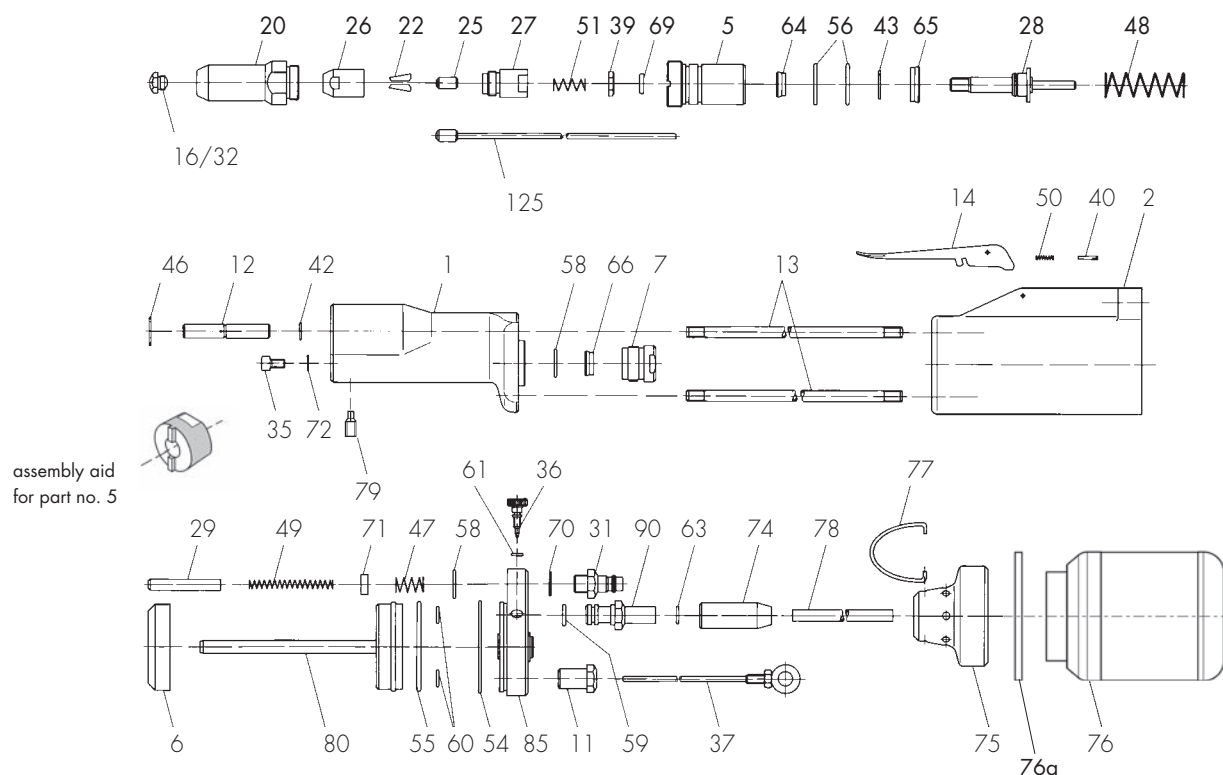
|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1                                                                                 | 143 6115 | Tool head                                                                         |
| 2                                                                                 | 143 6117 | Tool body                                                                         |
| 5                                                                                 | 145 8066 | Piston guide with wiper no. 69                                                    |
|                                                                                   | 143 6114 | Temporary attachment for part no. 5                                               |
| 6                                                                                 | 143 6118 | Damping ring                                                                      |
| 7                                                                                 | 143 6119 | Sealing ring mount                                                                |
| 11                                                                                | 143 6123 | Connection screw                                                                  |
| 12                                                                                | 143 6124 | Guide tube                                                                        |
| 13                                                                                | 143 6125 | Draw bar                                                                          |
| 14                                                                                | 143 6126 | Release lever                                                                     |
| 16/24 •                                                                           | 143 4288 | Nosepiece                                                                         |
| 16/27 •                                                                           | 143 4289 | Nosepiece                                                                         |
| 16/29 •                                                                           | 143 4290 | Nosepiece                                                                         |
| 16/32 •                                                                           | 143 4291 | Nosepiece                                                                         |
| 16/36 •                                                                           | 143 4292 | Nosepiece                                                                         |
| 20                                                                                | 143 4105 | Head                                                                              |
| 22 •                                                                              | 143 4103 | Jaws (3-part)                                                                     |
| 25 •                                                                              | 143 4319 | Jaw pusher                                                                        |
| 26 •                                                                              | 143 4102 | Jaw housing                                                                       |
| 27                                                                                | 143 4320 | Jaw adapter                                                                       |
| 28                                                                                | 143 4322 | Piston                                                                            |
| 29                                                                                | 145 6785 | Valve tube                                                                        |
| 31                                                                                | 144 6166 | Connection plug                                                                   |
| 35                                                                                | 144 5700 | Cylinder screw (together)                                                         |
| 36                                                                                | 143 5257 | Valve screw                                                                       |
| 37                                                                                | 143 6132 | Eye bolt with assembly mandrel                                                    |
| 39                                                                                | 143 4321 | Nut                                                                               |
| 40                                                                                | 144 5307 | Grooved pin                                                                       |
| 42                                                                                | 144 6167 | Snap ring                                                                         |
| 43                                                                                | 144 5305 | Snap ring                                                                         |
| 46                                                                                | 144 6168 | Supporting washer                                                                 |
| 47                                                                                | 143 6133 | Compression spring                                                                |
| 48 •                                                                              | 144 5304 | Return spring                                                                     |
| 49                                                                                | 144 5306 | Valve spring                                                                      |
| 50                                                                                | 144 5308 | Compression spring                                                                |

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 51 •                                                                              | 144 5314 | Compression spring                                                                  |
| 54                                                                                | 143 6135 | O-ring                                                                              |
| 55                                                                                | 143 6134 | O-ring                                                                              |
| 56                                                                                | 143 6136 | O-ring                                                                              |
| 58                                                                                | 143 4497 | O-ring                                                                              |
| 59                                                                                | 143 6137 | O-ring                                                                              |
| 60                                                                                | 143 6116 | Rod seal                                                                            |
| 61                                                                                | 143 5256 | O-ring                                                                              |
| 63                                                                                | 143 6138 | O-ring                                                                              |
| 64 •                                                                              | 143 4323 | K seal                                                                              |
| 65 •                                                                              | 143 4324 | K seal                                                                              |
| 66 •                                                                              | 143 4326 | K seal                                                                              |
| 69                                                                                | 143 6139 | Wiper                                                                               |
| 70                                                                                | 144 6169 | Sealing ring                                                                        |
| 71 •                                                                              | 143 4329 | Valve spud                                                                          |
| 72                                                                                | 143 6140 | USIT ring                                                                           |
| 74                                                                                | 145 8068 | Union with O-ring no. 63                                                            |
| 75 *                                                                              | 143 6141 | Adapter                                                                             |
| 76 *                                                                              | 144 6164 | Spent mandrel container                                                             |
| 76 a                                                                              | 143 6142 | Impact washer                                                                       |
| 77 *                                                                              | 144 5265 | Suspension bracket                                                                  |
| 78                                                                                | 143 6143 | Drain hose (1.5 m long)                                                             |
| 79                                                                                | 144 5819 | Stud bolt                                                                           |
| 80                                                                                | 145 8070 | Air piston complete with no. 55 and 60                                              |
| 85                                                                                | 145 8071 | End cap complete                                                                    |
| 90                                                                                | 145 8072 | Screw-in nozzle, complete                                                           |
| 95                                                                                | 145 8073 | Hydraulic seal kit with part no. 54, 56, 58, 64, 65, 66                             |
| 100                                                                               | 145 8074 | Pneumatic seal kit for air piston no. 80 with part no. 54, 55, 60                   |
| 125 •                                                                             | 143 6130 | Jaw pusher with reducing tube for blind rivets up to 4 mm Ø and Al and Cu           |
|                                                                                   | 145 6780 | Hydraulic oil refill bottle 250 ml                                                  |

• Wearing parts

\*Special accessoire

 You will find detailed nosepiece allocation tables on page 129.

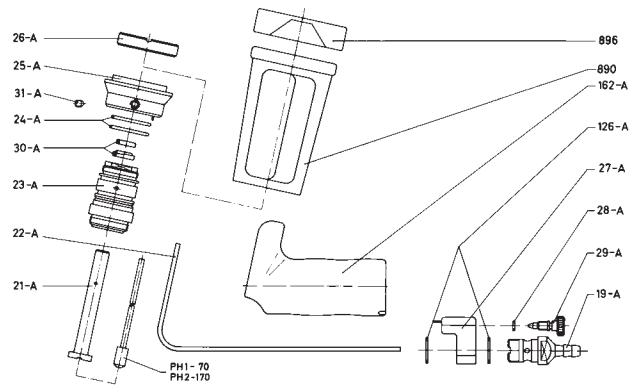


# SPECIAL ACCESSORIES FOR HYDRO-PNEUMATIC SETTING TOOLS

## VAS for PH 1 and PH 2

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 19-A                                                                              | 143 5248 | Connecting nipple                                                                 |
| 21-A                                                                              | 143 5249 | Nozzle tube                                                                       |
| 22-A •                                                                            | 143 5250 | Plastic tube                                                                      |
| 23-A                                                                              | 143 5251 | Connection screw complete with 24-A and 30-A                                      |
| 24-A •                                                                            | 143 5252 | O-ring set                                                                        |
| 25-A                                                                              | 143 5253 | Connection ring complete with 31-A and nipple                                     |
| 26-A                                                                              | 143 5254 | Slotted nut                                                                       |
| 27-A                                                                              | 143 5255 | Valve body with hose adapter                                                      |
| 28-A •                                                                            | 143 5256 | O-ring                                                                            |
| 29-A                                                                              | 143 5257 | Valve screw                                                                       |
| 30-A •                                                                            | 143 5259 | Scraper ring set                                                                  |
| 31-A                                                                              | 144 5828 | Locking screw                                                                     |
| 126-A •                                                                           | 143 5258 | Sealing ring                                                                      |
| 162-A                                                                             | 143 5260 | Plastic grip                                                                      |
| 890                                                                               | 143 4233 | Spent mandrel container, complete                                                 |
| 896                                                                               | 144 5295 | Air deflector                                                                     |
| 70                                                                                | 143 5261 | PH 1 jaw pusher with reducing tube for thin mandrels up to 2.3 mm Ø               |
| 71                                                                                | 143 4270 | PH 1 jaw pusher with reducing tube for thin mandrels up to 3.2 mm Ø               |
| 170                                                                               | 143 5262 | PH 2 jaw pusher with reducing tube for thin mandrels up to 2.3 mm Ø               |
| 176                                                                               | 143 4311 | Universal wrench MSU                                                              |

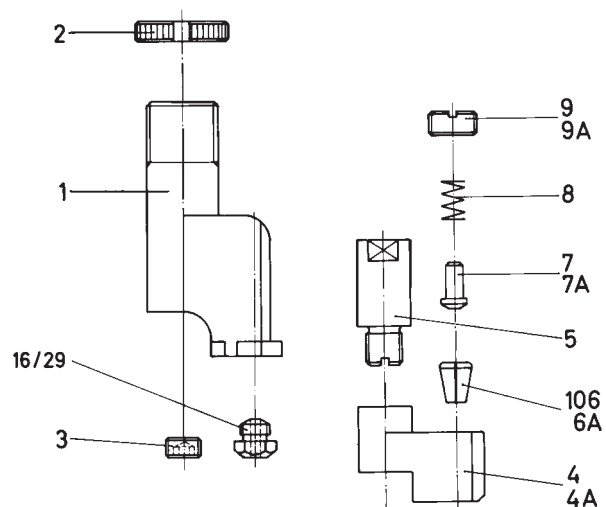
• Wearing parts



## Angle head for PH 1 and PH 2

|  | No.      |  |
|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 1                                                                                   | 143 4031 | Housing for 3-part jaws                                                             |
| 2                                                                                   | 143 4032 | Knurled nut                                                                         |
| 3                                                                                   | 143 4033 | Locking nut                                                                         |
| 4 •                                                                                 | 143 4034 | Jaw housing for 3-part jaws                                                         |
| 4A •                                                                                | 143 4037 | Jaw housing for 2-part jaws                                                         |
| 5                                                                                   | 143 4035 | Lock activator                                                                      |
| 6A •                                                                                | 143 4071 | Jaws (2-part) per set                                                               |
| 106 •                                                                               | 143 4103 | Jaws (3-part) per set                                                               |
| 7 •                                                                                 | 144 5256 | Jaw pusher for 3-part jaws                                                          |
| 7A •                                                                                | 143 4038 | Jaw pusher for 2-part jaws                                                          |
| 8 •                                                                                 | 144 5257 | Compression spring                                                                  |
| 9                                                                                   | 143 4036 | Plug for 3-part jaws                                                                |
| 9A                                                                                  | 143 4039 | Plug for 2-part jaws                                                                |
| 16/18 •                                                                             | 143 4285 | Nosepiece                                                                           |
| 16/24 •                                                                             | 143 4288 | Nosepiece                                                                           |
| 16/27 •                                                                             | 143 4289 | Nosepiece                                                                           |
| 16/29 •                                                                             | 143 4290 | Nosepiece                                                                           |
| 16/32 •                                                                             | 143 4291 | Nosepiece                                                                           |

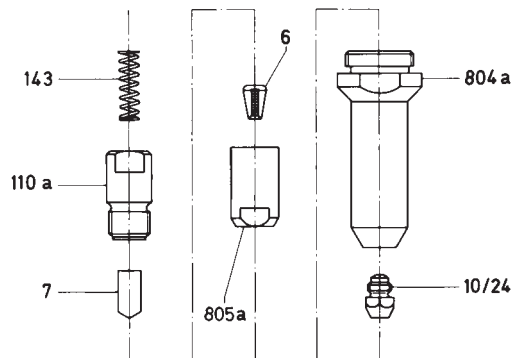
• Wearing parts



## Small jaw assembly for PH 1 and PH 2

|         | No.      |                                                                                   |
|---------|----------|-----------------------------------------------------------------------------------|
| 6 •     | 143 4071 | Jaws (2-part) per set                                                             |
| 7 •     | 143 4242 | Jaw pusher                                                                        |
| 10/18 • | 143 4055 | Nosepiece                                                                         |
| 10/24 • | 143 4061 | Nosepiece                                                                         |
| 10/27 • | 143 4062 | Nosepiece                                                                         |
| 10/29 • | 143 4064 | Nosepiece                                                                         |
| 10/32 • | 143 4065 | Nosepiece                                                                         |
| 71      | 143 4270 | PH 1 jaw pusher with reducing tube for 2.4 mm Ø Al and 3.2 mm Ø CAP® blind rivets |
| 110 a   | 143 4345 | Jaw adapter                                                                       |
| 143 •   | 144 5314 | Compression spring                                                                |
| 804 a   | 143 4346 | Steel head sleeve                                                                 |
| 805 a • | 143 4344 | Jaw housing                                                                       |

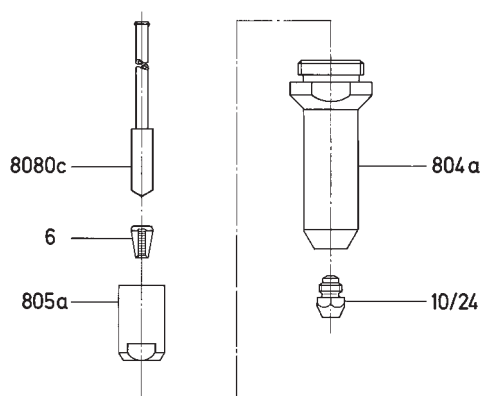
• Wearing parts



## Small jaw assembly for PH 2000

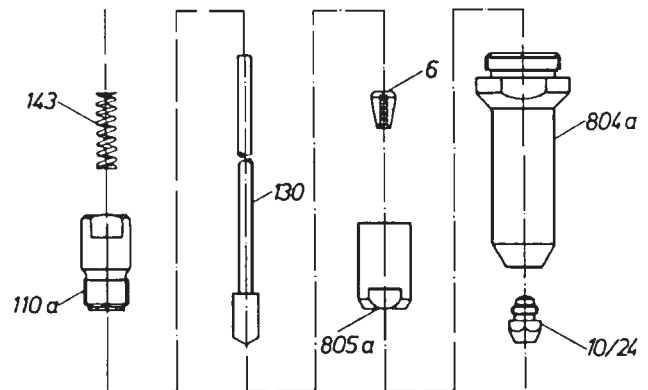
|          | No.      |                             |
|----------|----------|-----------------------------|
| 6 •      | 143 4071 | Jaws (2-part) per set       |
| 10/18 •  | 143 4055 | Nosepiece                   |
| 10/24 •  | 143 4061 | Nosepiece                   |
| 10/27 •  | 143 4062 | Nosepiece                   |
| 10/29 •  | 143 4064 | Nosepiece                   |
| 10/32 •  | 143 4065 | Nosepiece                   |
| 804 a    | 143 4346 | Steel head sleeve           |
| 805 a •  | 143 4344 | Jaw housing                 |
| 8080 c • | 143 4169 | Jaw pusher with nozzle tube |

• Wearing parts



## Small jaw assembly for PH-Axial

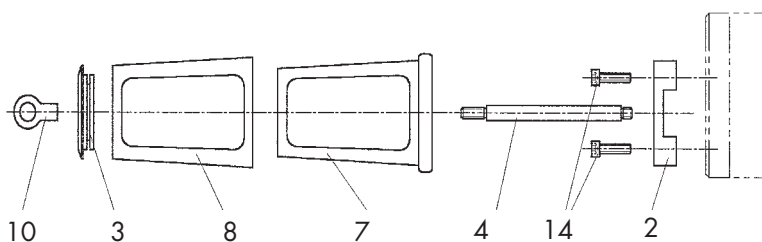
|         | No.      |                                                                                                    |
|---------|----------|----------------------------------------------------------------------------------------------------|
| 298     | 145 8075 | Small jaw assembly complete with nosepiece 10/24 (optionally also with 10/18, 10/27, 10/29, 10/32) |
| 6 •     | 143 4071 | Jaws (2-part) per set                                                                              |
| 10/18 • | 143 4055 | Nosepiece                                                                                          |
| 10/24 • | 143 4061 | Nosepiece                                                                                          |
| 10/27 • | 143 4062 | Nosepiece                                                                                          |
| 10/29 • | 143 4064 | Nosepiece                                                                                          |
| 10/32 • | 143 4065 | Nosepiece                                                                                          |
| 110 a   | 143 4345 | Jaw adapter                                                                                        |
| 143 •   | 144 5314 | Compression spring                                                                                 |
| 804 a   | 143 4346 | Head                                                                                               |
| 805 a • | 143 4344 | Jaw housing                                                                                        |
| 130 •   | 143 6131 | Jaw pusher with reducing tube for blind rivets up to 4 mm Ø and Al and Cu                          |



• Wearing parts

## Spent mandrel container for PH-Axial

|    | No.      |                                                |
|----|----------|------------------------------------------------|
| 2  | 143 6120 | Adapter                                        |
| 3  | 143 6121 | Cover                                          |
| 4  | 143 6122 | Stud bolt                                      |
| 7  | 143 6127 | Container                                      |
| 8  | 143 6128 | Casing                                         |
| 10 | 143 6129 | Ring eye M6                                    |
| 14 | 144 6165 | Allen screw                                    |
|    | 145 8065 | Spent mandrel container, complete for PH-Axial |

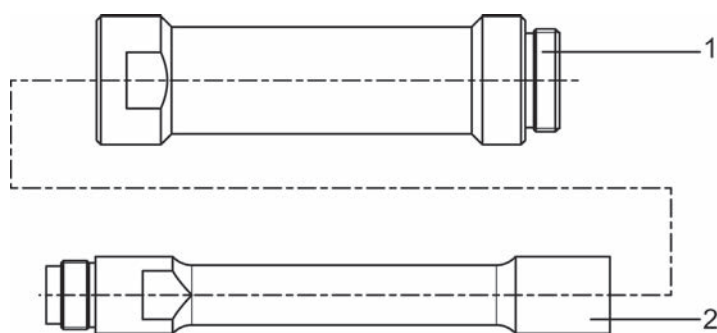


## **PH1/PH2 extension unit 100 mm**

**Two-part for PH 1 and PH 2:**

**Article no. 145 6779**

|   | No.      |                  |
|---|----------|------------------|
|   |          |                  |
| 1 | 143 4164 | Extension sleeve |
| 2 | 143 4166 | Extension piece  |

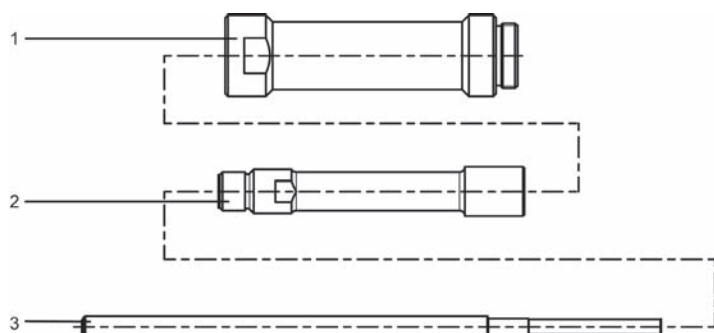


## **PH 2000 extension unit 100 mm**

**Three-part for PH 2000:**

**Article no. 145 6765**

| 1 | 143 4164 | Extension sleeve            |
|---|----------|-----------------------------|
| 2 | 143 4165 | Extension piece             |
| 3 | 143 4170 | Jaw pusher with nozzle tube |

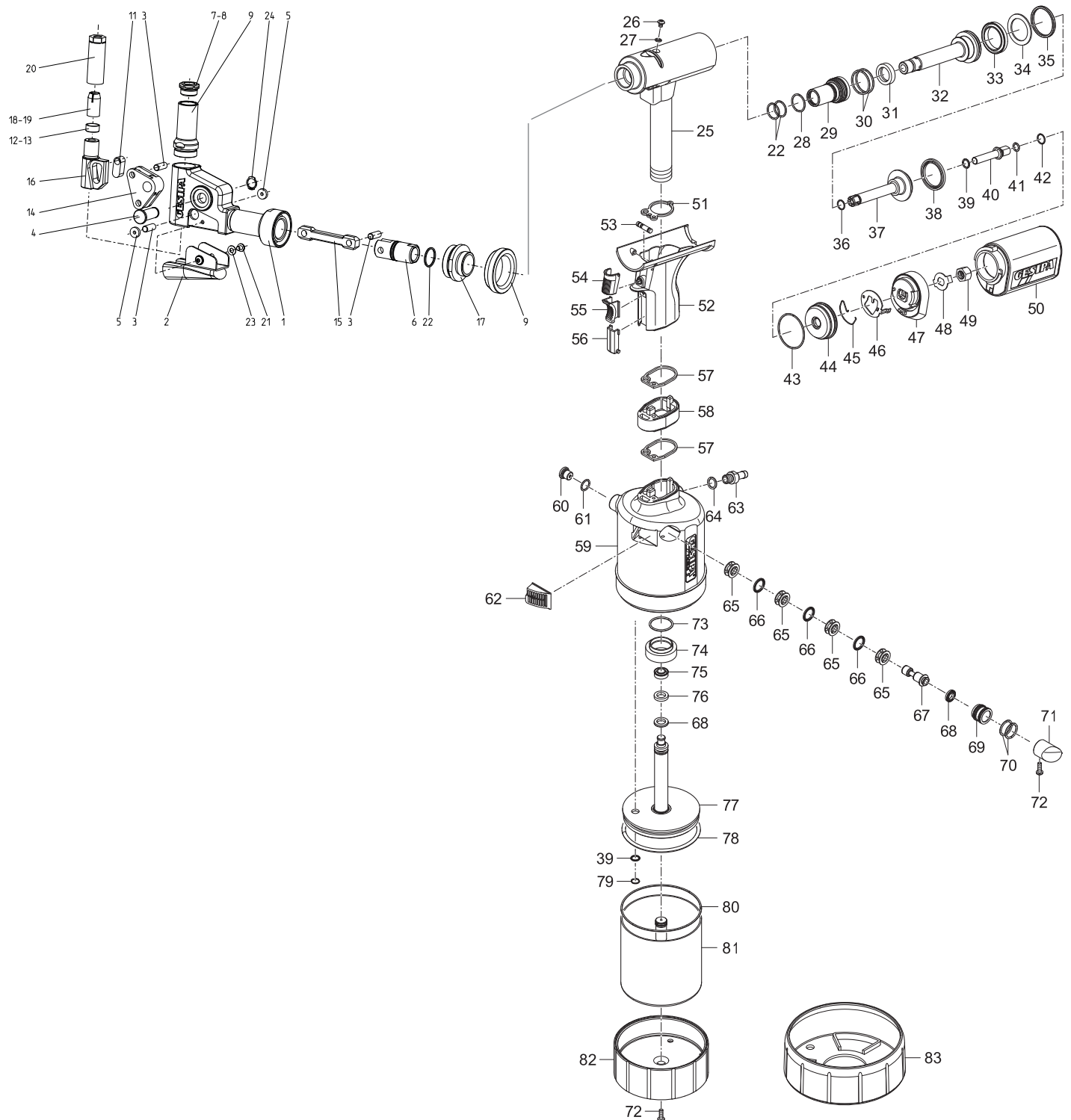




# LOCKBOLT SETTING TOOLS

## **TAURUS® 4 SRB with angle head 90°**

**for 6.4mm (1/4") C6L and Magna-Grip® lockbolts**



**!** The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

# LOCKBOLT SETTING TOOLS

## TAURUS® 4 SRB with angle head 90°

for 6.4mm (1/4") C6L and Magna-Grip® lockbolts

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1                                                                                 | 145 0977 | Housing unit                                                                      |
| 2                                                                                 | 145 0970 | Protecting cap                                                                    |
| 3                                                                                 | 143 5908 | Bolt                                                                              |
| 4                                                                                 | 143 5911 | Bolt                                                                              |
| 5                                                                                 | 143 5914 | Spacer                                                                            |
| 6                                                                                 | 143 5919 | Fork head                                                                         |
| 7                                                                                 | 143 5993 | Nosepiece C6L                                                                     |
| 8                                                                                 | 143 5942 | Nosepiece Magna-Grip®                                                             |
| 9                                                                                 | 143 5952 | Ring                                                                              |
| 10                                                                                | 143 5994 | Steel head sleeve                                                                 |
| 11                                                                                | 143 5935 | Piece                                                                             |
| 12                                                                                | 143 5995 | Supporting ring C6L                                                               |
| 13                                                                                | 143 5943 | Supporting ring Magna-Grip®                                                       |
| 14                                                                                | 143 5936 | Angle                                                                             |
| 15                                                                                | 143 5938 | Lock activator                                                                    |
| 16                                                                                | 143 5996 | Lock activator                                                                    |
| 17                                                                                | 143 5959 | Adapter                                                                           |
| 18                                                                                | 144 6116 | Insertion tool C6L                                                                |
| 19                                                                                | 144 6105 | Insertion tool Magna-Grip®                                                        |
| 20                                                                                | 143 5997 | Housing                                                                           |
| 21                                                                                | 144 6013 | Screw                                                                             |
| 22                                                                                | 144 6012 | O-ring                                                                            |
| 23                                                                                | 144 5716 | Washer                                                                            |
| 24                                                                                | 144 5545 | Snap ring                                                                         |
| 25                                                                                | 145 7992 | Tool head, assembled                                                              |
| 26                                                                                | 144 6013 | Oil screw plug                                                                    |
| 27                                                                                | 143 5612 | Sealing ring M4                                                                   |
| 28 •                                                                              | 143 5629 | O-ring                                                                            |
| 29                                                                                | 143 5681 | Seal holder, complete                                                             |
| 30 •                                                                              | 143 4227 | O-ring                                                                            |
| 31 •                                                                              | 143 5630 | Rod seal                                                                          |
| 32                                                                                | 143 5631 | Draw bar                                                                          |
| 33 •                                                                              | 143 5632 | Piston seal                                                                       |
| 34 •                                                                              | 143 5488 | Supporting ring                                                                   |
| 35 •                                                                              | 143 5485 | Piston seal                                                                       |
| 36                                                                                | 143 5671 | O-ring                                                                            |
| 37                                                                                | 145 7746 | Resetting piston, complete                                                        |
| 38 •                                                                              | 143 5633 | Piston seal                                                                       |
| 39                                                                                | 143 5635 | Rod seal                                                                          |
| 40                                                                                | 143 5765 | Connecting piece                                                                  |
| 41                                                                                | 143 5519 | O-ring                                                                            |
| 42                                                                                | 144 6167 | Snap ring                                                                         |

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 43                                                                                | 143 5524 | O-ring                                                                              |
| 44                                                                                | 143 5532 | End cap                                                                             |
| 45                                                                                | 144 6028 | Retaining spring                                                                    |
| 46                                                                                | 143 5664 | Retainer                                                                            |
| 47                                                                                | 143 5663 | Adapter                                                                             |
| 48                                                                                | 143 5842 | Lock washer                                                                         |
| 49                                                                                | 143 5766 | Connecting piece nut                                                                |
| 50                                                                                | 143 5964 | Spent mandrel container, complete                                                   |
| 51 •                                                                              | 143 5472 | Flat gasket 1                                                                       |
| 52                                                                                | 145 7748 | Grip, complete                                                                      |
| 53                                                                                | 145 7747 | Distributing valve complete                                                         |
| 54                                                                                | 144 6025 | Activation button                                                                   |
| 55                                                                                | 143 5642 | Slider                                                                              |
| 56                                                                                | 143 5686 | Orifice                                                                             |
| 57 •                                                                              | 143 5480 | Flat gasket                                                                         |
| 58                                                                                | 143 5998 | Grip, complete                                                                      |
| 59                                                                                | 145 7993 | Air cylinder, complete                                                              |
| 60                                                                                | 145 7750 | Pressure relief valve                                                               |
| 61                                                                                | 143 5484 | O-ring                                                                              |
| 62                                                                                | 145 7956 | Silencer                                                                            |
| 63                                                                                | 143 5667 | Connecting nipple                                                                   |
| 64                                                                                | 144 6030 | Sealing ring                                                                        |
| 65                                                                                | 143 5648 | Spacer cage                                                                         |
| 66                                                                                | 143 5647 | Rod seal                                                                            |
| 67                                                                                | 143 5651 | Control piston                                                                      |
| 68 •                                                                              | 143 5675 | Piston seal                                                                         |
| 69                                                                                | 143 5652 | Piston housing                                                                      |
| 70                                                                                | 143 5688 | O-ring                                                                              |
| 71                                                                                | 144 6100 | Stopper                                                                             |
| 72                                                                                | 144 5773 | Housing screw                                                                       |
| 73                                                                                | 143 5486 | O-ring                                                                              |
| 74                                                                                | 143 5492 | Alu nut                                                                             |
| 75 •                                                                              | 143 6007 | Piston seal                                                                         |
| 76 •                                                                              | 143 6006 | Guide ring                                                                          |
| 77                                                                                | 145 7994 | Air piston complete                                                                 |
| 78 •                                                                              | 143 5937 | O-ring                                                                              |
| 79                                                                                | 144 6082 | V-ring                                                                              |
| 80                                                                                | 143 5927 | O-ring                                                                              |
| 81                                                                                | 145 7995 | Cylinder complete                                                                   |
| 82                                                                                | 143 5874 | Bottom                                                                              |
| 83                                                                                | 143 5900 | Rubber foot                                                                         |

• Wearing parts



The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

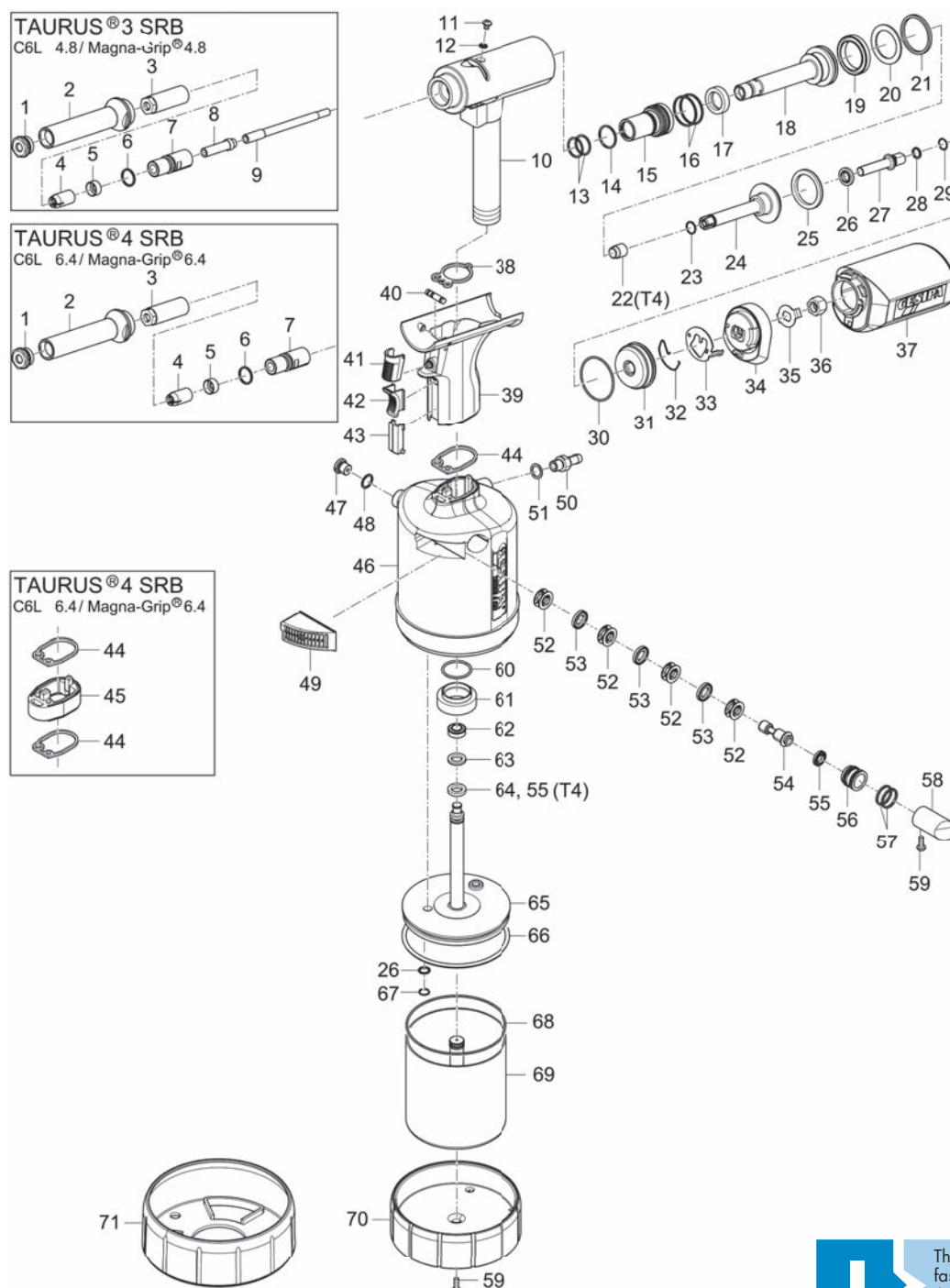
# LOCKBOLT SETTING TOOLS

## TAURUS® 3 SRB

for 4,8mm (3/16") C6L and Magna-Grip® lockbolts

## TAURUS® 4 SRB

for 6,4mm (1/4") C6L and Magna-Grip® lockbolts



**!** The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

# LOCKBOLT SETTING TOOLS

## TAURUS® 3 SRB

for 4,8mm (3/16") C6L and Magna-Grip® lockbolts

## TAURUS® 4 SRB

for 6,4mm (1/4") C6L and Magna-Grip® lockbolts

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | <b>T3</b>                                                                         | 143 4809 | Nosepiece C6L                                                                     |
|                                                                                   |                                                                                   | 143 4810 | Nosepiece Magna-Grip®                                                             |
|                                                                                   | <b>T4</b>                                                                         | 143 5993 | Nosepiece C6L                                                                     |
|                                                                                   |                                                                                   | 143 5942 | Nosepiece Magna-Grip®                                                             |
| 2                                                                                 |                                                                                   | 143 5923 | Steel head sleeve                                                                 |
| 3                                                                                 | <b>T3</b>                                                                         | 143 5944 | Clamping jaw housing C6L                                                          |
|                                                                                   |                                                                                   | 143 5945 | Clamping jaw housing Magna-Grip®                                                  |
|                                                                                   | <b>T4</b>                                                                         | 143 5997 | Clamping jaw housing                                                              |
| 4 •                                                                               | <b>T3</b>                                                                         | 144 6117 | Clamping jaw C6L                                                                  |
|                                                                                   |                                                                                   | 144 6118 | Clamping jaw Magna-Grip®                                                          |
|                                                                                   | <b>T4</b>                                                                         | 144 6116 | Clamping jaw C6L                                                                  |
|                                                                                   |                                                                                   | 144 6105 | Clamping jaw Magna-Grip®                                                          |
| 5                                                                                 | <b>T4</b>                                                                         | 143 5995 | Supporting ring C6L                                                               |
|                                                                                   |                                                                                   | 143 5943 | Supporting ring Magna-Grip®                                                       |
| 6                                                                                 |                                                                                   | 143 6042 | O-ring                                                                            |
| 7                                                                                 |                                                                                   | 143 5924 | Adapter                                                                           |
| 8                                                                                 | <b>T3</b>                                                                         | 143 5920 | Sleeve                                                                            |
| 9                                                                                 | <b>T3</b>                                                                         | 143 5886 | Nozzle tube 3, longe                                                              |
| 10                                                                                | <b>T3</b>                                                                         | 145 7856 | Tool head 2, assembled                                                            |
|                                                                                   | <b>T4</b>                                                                         | 145 7992 | Tool head 4, assembled                                                            |
| 11                                                                                |                                                                                   | 144 6013 | Oil screw plug                                                                    |
| 12                                                                                |                                                                                   | 143 5612 | Sealing ring M4                                                                   |
| 13                                                                                |                                                                                   | 144 6012 | O-ring                                                                            |
| 14                                                                                |                                                                                   | 143 5629 | O-ring                                                                            |
| 15                                                                                |                                                                                   | 143 5681 | Seal holder, complete                                                             |
| 16 •                                                                              |                                                                                   | 143 4227 | O-ring                                                                            |
| 17                                                                                |                                                                                   | 143 5630 | Rod seal                                                                          |
| 18                                                                                |                                                                                   | 143 5631 | Draw bar                                                                          |
| 19                                                                                |                                                                                   | 143 5632 | Piston seal                                                                       |
| 20                                                                                |                                                                                   | 143 5488 | Supporting ring                                                                   |
| 21                                                                                |                                                                                   | 143 5485 | Piston seal                                                                       |
| 22                                                                                | <b>T4</b>                                                                         | 145 0965 | Spacer sleeve                                                                     |
| 23                                                                                |                                                                                   | 143 5671 | O-ring                                                                            |
| 24                                                                                |                                                                                   | 145 7746 | Resetting piston, complete                                                        |
| 25                                                                                |                                                                                   | 143 5633 | Piston seal                                                                       |
| 26                                                                                |                                                                                   | 143 5635 | Rod seal                                                                          |
| 27                                                                                |                                                                                   | 143 5765 | Connecting piece 2/3                                                              |
| 28                                                                                |                                                                                   | 143 5519 | O-ring                                                                            |
| 29                                                                                |                                                                                   | 144 6167 | Snap ring                                                                         |
| 30                                                                                |                                                                                   | 143 5524 | O-ring                                                                            |
| 31                                                                                |                                                                                   | 143 5532 | End cap                                                                           |
| 32                                                                                |                                                                                   | 144 6028 | Retaining spring                                                                  |
| 33                                                                                |                                                                                   | 143 5664 | Retainer                                                                          |
| 34                                                                                |                                                                                   | 143 5663 | Adapter                                                                           |
| 35                                                                                |                                                                                   | 143 5842 | Lock washer                                                                       |
| 36                                                                                |                                                                                   | 143 5766 | Connecting piece nut 2/3                                                          |
| 37                                                                                |                                                                                   | 143 5964 | Spent mandrel container, complete                                                 |
| 38                                                                                |                                                                                   | 143 5472 | Flat gasket 1                                                                     |
| 39                                                                                |                                                                                   | 145 7748 | Grip, complete                                                                    |
| 40                                                                                |                                                                                   | 145 7747 | Distributing valve, complete                                                      |
| 41                                                                                |                                                                                   | 144 6025 | Activation button                                                                 |
| 42                                                                                |                                                                                   | 143 5642 | Slider                                                                            |
| 43                                                                                |                                                                                   | 143 5686 | Orifice                                                                           |
| 44                                                                                |                                                                                   | 143 5480 | Flat gasket 2                                                                     |

|  |  | No.      |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 45                                                                                | <b>T4</b>                                                                          | 143 5998 | Grip extension                                                                      |
| 46                                                                                | <b>T3</b>                                                                          | 145 0960 | Air cylinder 3, complete                                                            |
|                                                                                   | <b>T4</b>                                                                          | 145 0996 | Air cylinder 4, complete                                                            |
| 47                                                                                |                                                                                    | 145 7750 | Pressure relief valve, complete                                                     |
| 48                                                                                |                                                                                    | 143 5484 | O-ring                                                                              |
| 49                                                                                |                                                                                    | 145 7956 | Silencer 3, complete                                                                |
| 50                                                                                |                                                                                    | 143 5667 | Connecting nipple                                                                   |
| 51                                                                                |                                                                                    | 144 6030 | Sealing ring                                                                        |
| 52                                                                                |                                                                                    | 143 5648 | Spacer cage                                                                         |
| 53                                                                                |                                                                                    | 143 5647 | Rod seal                                                                            |
| 54                                                                                |                                                                                    | 143 5651 | Control piston                                                                      |
| 55                                                                                |                                                                                    | 143 5675 | Piston seal                                                                         |
| 56                                                                                |                                                                                    | 143 5652 | Piston housing                                                                      |
| 57                                                                                |                                                                                    | 143 5688 | O-ring                                                                              |
| 58                                                                                |                                                                                    | 144 6100 | Stopper 3                                                                           |
| 59                                                                                |                                                                                    | 144 5773 | Housing screw short                                                                 |
| 60                                                                                |                                                                                    | 143 5486 | O-ring                                                                              |
| 61                                                                                |                                                                                    | 143 5492 | Al nut                                                                              |
| 62                                                                                | <b>T3</b>                                                                          | 143 5841 | Piston seal                                                                         |
|                                                                                   | <b>T4</b>                                                                          | 143 6007 | Piston seal                                                                         |
| 63                                                                                | <b>T3</b>                                                                          | 143 5825 | Guide ring 2                                                                        |
|                                                                                   | <b>T4</b>                                                                          | 143 6006 | Guide ring 4                                                                        |
| 64                                                                                | <b>T3</b>                                                                          | 143 5670 | Piston seal                                                                         |
| 65                                                                                | <b>T3</b>                                                                          | 145 7952 | Air piston 3, complete                                                              |
|                                                                                   | <b>T4</b>                                                                          | 145 7994 | Air piston 4, complete                                                              |
| 66                                                                                |                                                                                    | 143 5937 | O-ring                                                                              |
| 67                                                                                |                                                                                    | 144 6082 | V profile ring                                                                      |
| 68                                                                                |                                                                                    | 143 5927 | O-ring                                                                              |
| 69                                                                                | <b>T3</b>                                                                          | 145 7953 | Cylinder 3, complete                                                                |
|                                                                                   | <b>T4</b>                                                                          | 145 7995 | Cylinder 4, complete                                                                |
| 70                                                                                |                                                                                    | 143 5874 | Bottom 3                                                                            |
| 71                                                                                |                                                                                    | 143 5900 | Rubber foot 3 - 4                                                                   |
|                                                                                   |                                                                                    | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

• Wearing parts



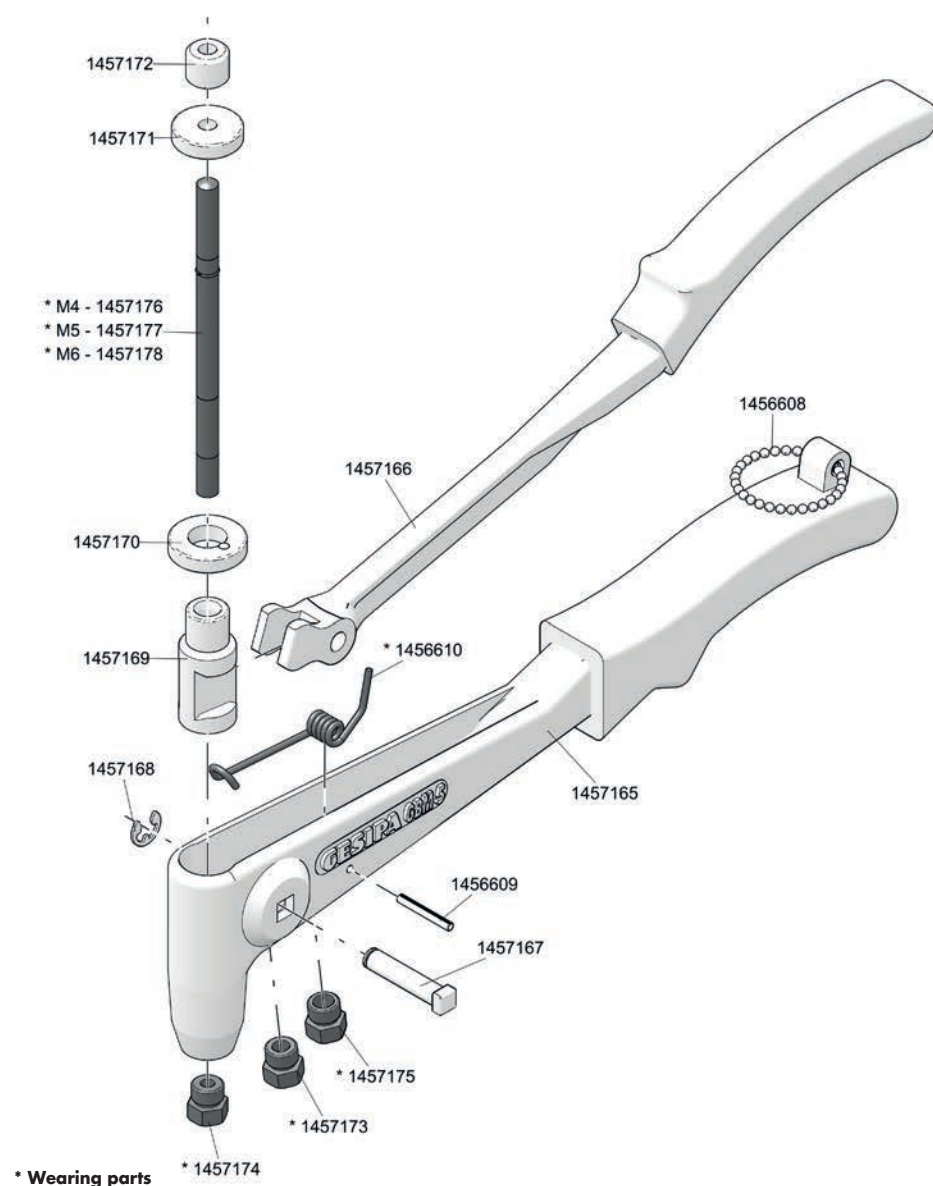
The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

# BLIND RIVET HAND NUT SETTING TOOLS

## GBM 5

| No.       |                      |
|-----------|----------------------|
| 145 7165  | Tool housing         |
| 145 7166  | Tool shanks          |
| 145 7167  | Bolt                 |
| 145 7168  | Snap ring            |
| 145 6608  | Strap                |
| 145 6609  | Spring dowel sleeve  |
| 145 6610* | Self opening spring  |
| 145 7169  | Lock activator       |
| 145 7170  | Adjusting ring       |
| 145 7171  | Knurled nut          |
| 145 7172  | Locking nut          |
| 145 7173* | Nosepiece M 4        |
| 145 7174* | Nosepiece M 5        |
| 145 7175* | Nosepiece M 6        |
| 145 7176* | Threaded mandrel M 4 |
| 145 7177* | Threaded mandrel M 5 |
| 145 7178* | Threaded mandrel M 6 |

\* Wearing parts

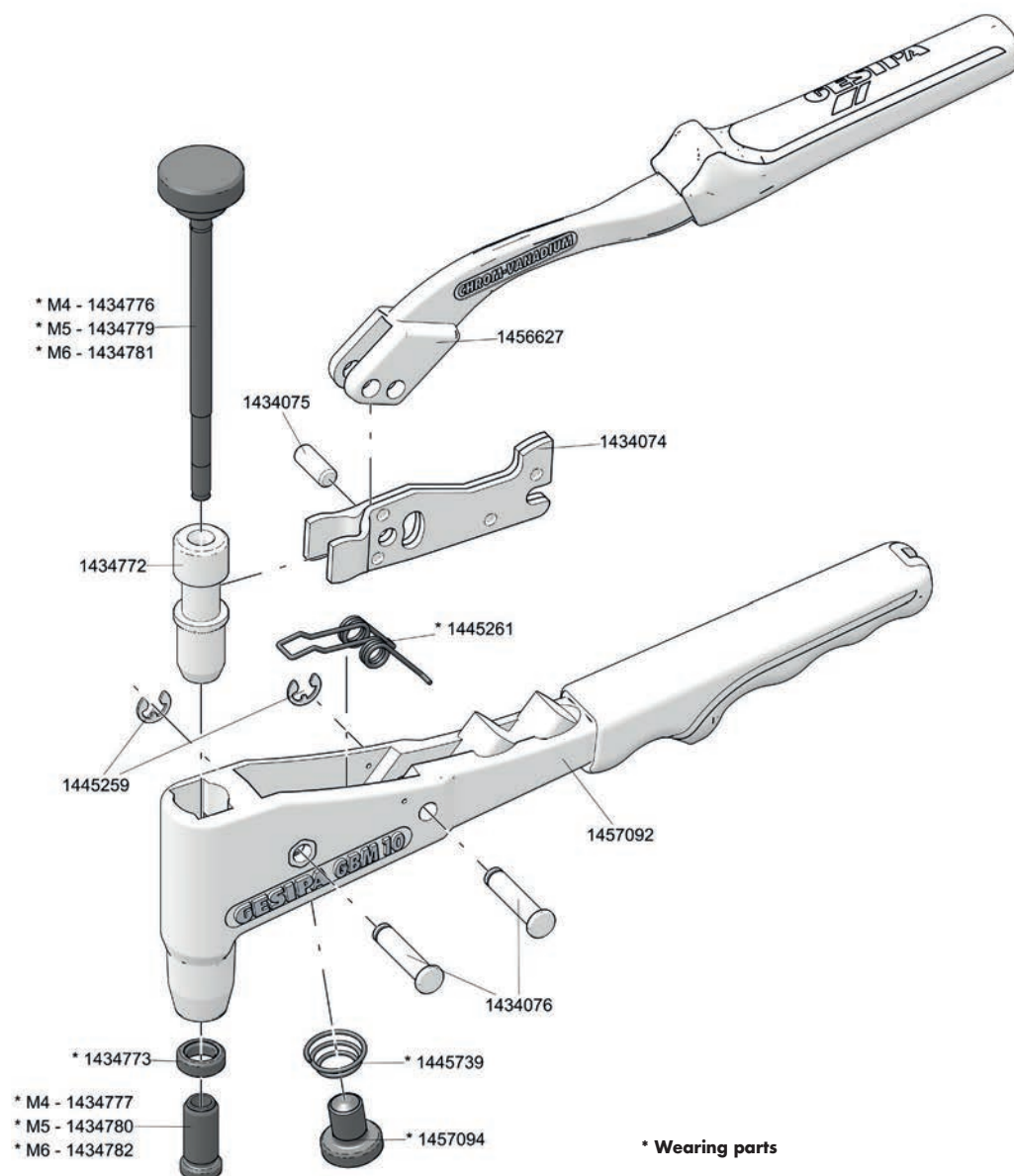


# BLIND RIVET HAND NUT SETTING TOOLS

## GBM 10

| No.       |                               |
|-----------|-------------------------------|
| 143 4074  | Lever                         |
| 143 4075  | Bolt                          |
| 143 4076  | Bolt                          |
| 143 4772  | Lock activator                |
| 143 4773* | Locking nut                   |
| 143 4776* | Threaded mandrel M 4          |
| 143 4777* | Nosepiece M 4 and 8-32"       |
| 143 4779* | Threaded mandrel M 5          |
| 143 4780* | Nosepiece M 5 and 10-32"      |
| 143 4781* | Threaded mandrel M 6          |
| 143 4782* | Nosepiece M 6 and 1/4-20"     |
| 144 5259  | Snap ring                     |
| 144 5261* | Self opening spring           |
| 144 5739* | Conical spring                |
| 145 6627  | Tool shanks with sleeve grip  |
| 145 7092  | Tool housing with sleeve grip |
| 145 7094  | Stop screw                    |

### \* Wearing parts



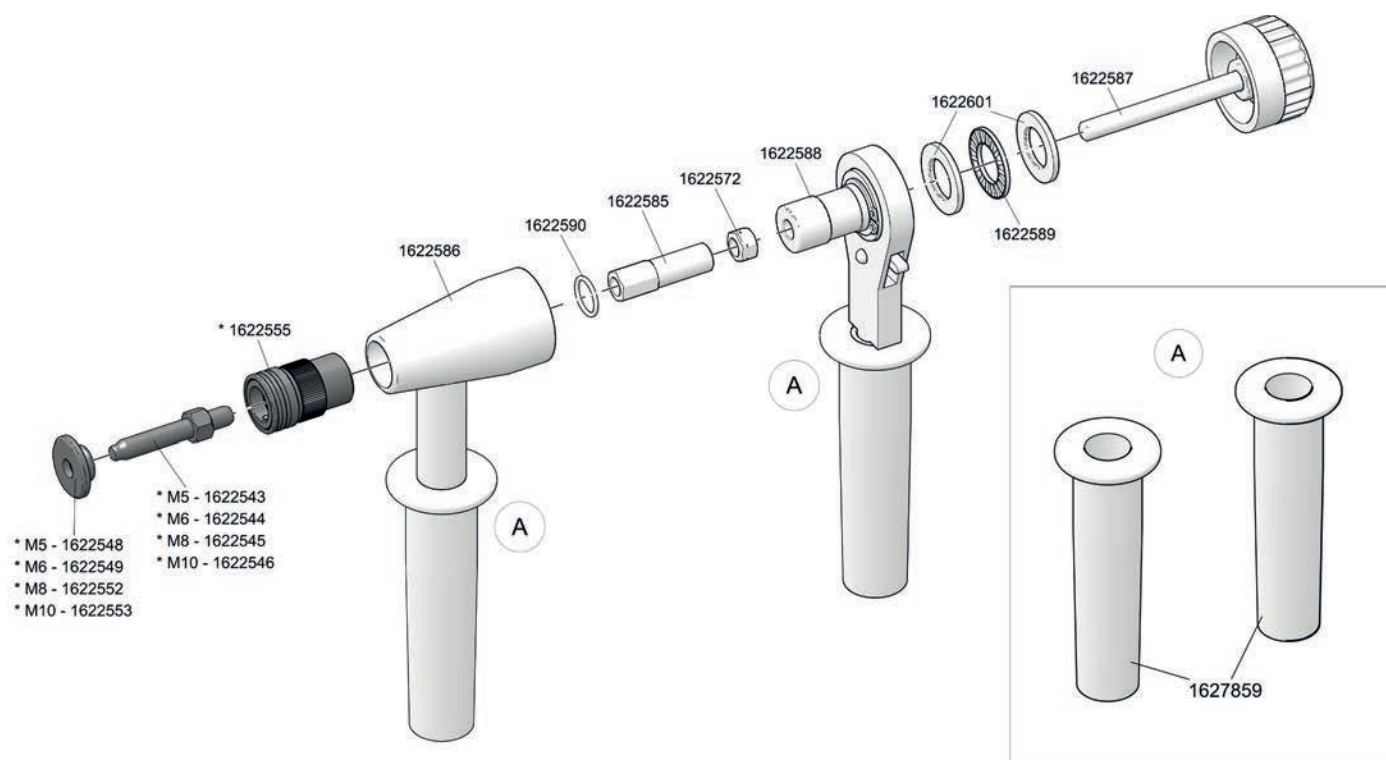


# BLIND RIVET HAND NUT SETTING TOOLS

## GBM 40-R

| No.       |  | No.      |  |
|-----------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 162 2543* | Threaded mandrel M5                                                               | 162 2572 | Locking nut                                                                       |
| 162 2544* | Threaded mandrel M6                                                               | 162 2585 | Connecting sleeve                                                                 |
| 162 2545* | Threaded mandrel M8                                                               | 162 2586 | Housing with slide block, lever and grip                                          |
| 162 2546* | Threaded mandrel M10                                                              | 162 2587 | Turning handle                                                                    |
| 162 2548* | Nosepiece-bit M5                                                                  | 162 2588 | Ratchet with Sleeve grip                                                          |
| 162 2549* | Nosepiece-bit M6                                                                  | 162 2589 | Needle bearing                                                                    |
| 162 2552* | Nosepiece-bit M8                                                                  | 162 7859 | Sleeve grip                                                                       |
| 162 2553* | Nosepiece-bit M10                                                                 | 162 2590 | O-ring                                                                            |
| 162 2555* | Nosepiece complete                                                                | 162 2601 | Sliding disc                                                                      |

\* Wearing parts

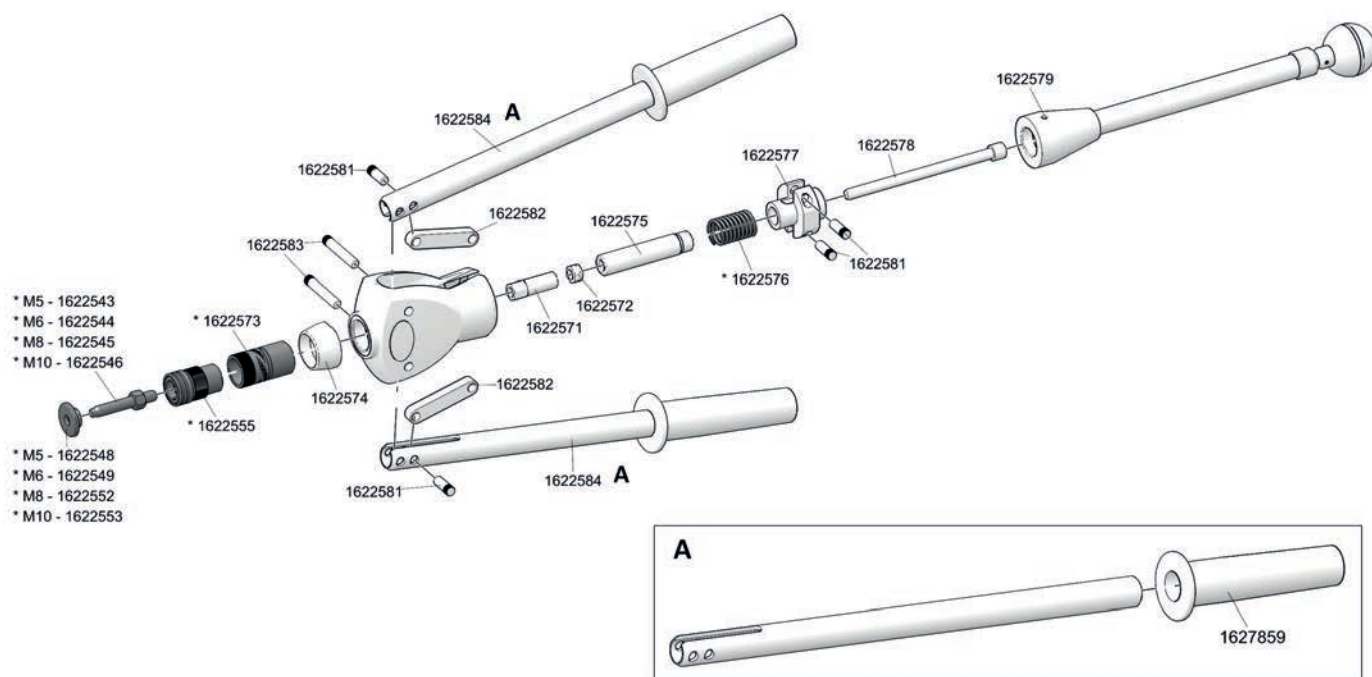


\* Wearing parts

## GBM 50

| No.       |  | No.       |  | No.      |  |
|-----------|-----------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------|
| 162 2543* | Threaded mandrel M5                                                               | 162 2571  | Connecting sleeve                                                                 | 162 2581 | Bolt                                                                               |
| 162 2544* | Threaded mandrel M6                                                               | 162 2572  | Locking nut                                                                       | 162 2582 | Radial bearing                                                                     |
| 162 2545* | Threaded mandrel M8                                                               | 162 2573* | Adjusting sleeve                                                                  | 162 2583 | Bolt                                                                               |
| 162 2546* | Threaded mandrel M10                                                              | 162 2574  | Steel head sleeve                                                                 | 162 2584 | Lever with Sleeve grip                                                             |
| 162 2548* | Nosepiece-bit M5                                                                  | 162 2575  | Guide sleeve                                                                      | 162 6916 | Threaded mandrel M3                                                                |
| 162 2549* | Nosepiece-bit M6                                                                  | 162 2576* | Spring                                                                            | 162 7859 | Sleeve grip                                                                        |
| 162 2552* | Nosepiece-bit M8                                                                  | 162 2577  | Closure screw                                                                     |          |                                                                                    |
| 162 2553* | Nosepiece-bit M10                                                                 | 162 2578  | Shaft                                                                             |          |                                                                                    |
| 162 2555* | Nosepiece complete                                                                | 162 2579  | Shaft complete                                                                    |          |                                                                                    |

### \* Wearing parts



### \* Wearing parts

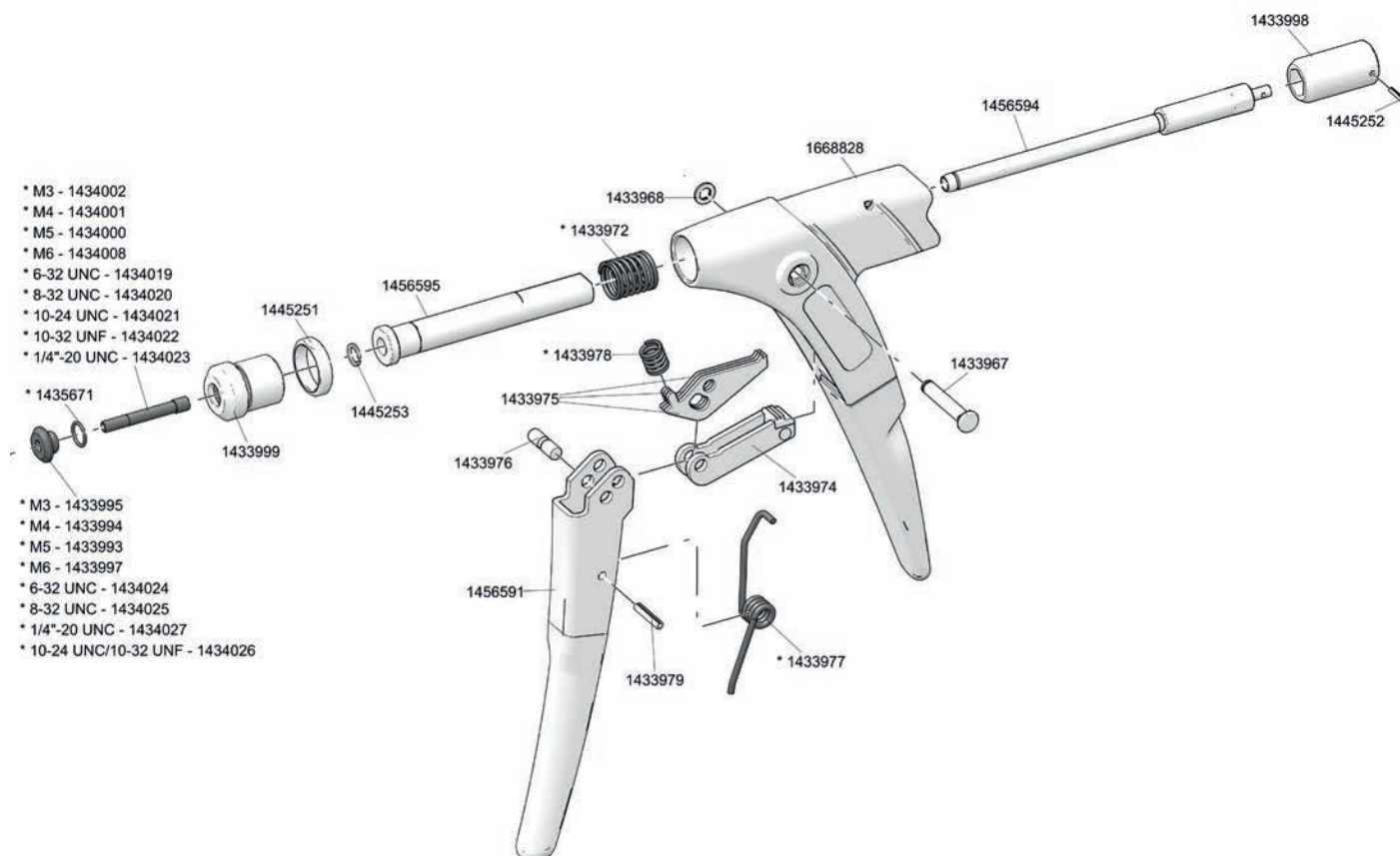
# BLIND RIVET HAND NUT SETTING TOOLS

## FireFly

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 3967  | Pivot bolt                                                                        |
| 143 3968  | Snap ring                                                                         |
| 143 3972* | Return spring                                                                     |
| 143 3974  | Drive pawl                                                                        |
| 143 3975  | Storage finger (3-part) per set                                                   |
| 143 3976  | Bolt                                                                              |
| 143 3977* | Self opening spring                                                               |
| 143 3978  | Retaining spring                                                                  |
| 143 3979  | Spring dowel sleeve                                                               |
| 143 3993* | Nosepiece-bit - M5                                                                |
| 143 3994* | Nosepiece-bit - M4                                                                |
| 143 3995* | Nosepiece-bit - M3                                                                |
| 143 3997* | Nosepiece-bit - M6                                                                |
| 143 3998  | Knurled handle                                                                    |
| 143 3999* | Nosepiece                                                                         |
| 143 4000* | Threaded mandrel M5                                                               |
| 143 4001* | Threaded mandrel M4                                                               |
| 143 4002* | Threaded mandrel M3                                                               |

| No.       |  |
|-----------|------------------------------------------------------------------------------------|
| 143 4008* | Threaded mandrel M6                                                                |
| 143 4019* | Threaded mandrel 6-32 UNC                                                          |
| 143 4020* | Threaded mandrel 8-32 UNC                                                          |
| 143 4021* | Threaded mandrel 10-24 UNC                                                         |
| 143 4022* | Threaded mandrel 10-32 UNF                                                         |
| 143 4023* | Threaded mandrel 1/4"-20 UNC                                                       |
| 143 4024* | Nosepiece-bit 6-32 UNC                                                             |
| 143 4025* | Nosepiece-bit 8-32 UNC                                                             |
| 143 4026* | Nosepiece-bit 10-24 UNC/10-32 UNF                                                  |
| 143 4027* | Nosepiece-bit 1/4"-20 UNC                                                          |
| 143 5671  | O - ring                                                                           |
| 144 5251  | Knurled nut                                                                        |
| 144 5252  | Clamping sleeve                                                                    |
| 144 5253  | Snap ring                                                                          |
| 145 6591  | Actuating lever with Sleeve grip                                                   |
| 145 6594  | Adjustment unit                                                                    |
| 145 6595  | Lock activator complete                                                            |
| 166 8828  | Housing                                                                            |

### \* Wearing parts



### \* Wearing parts

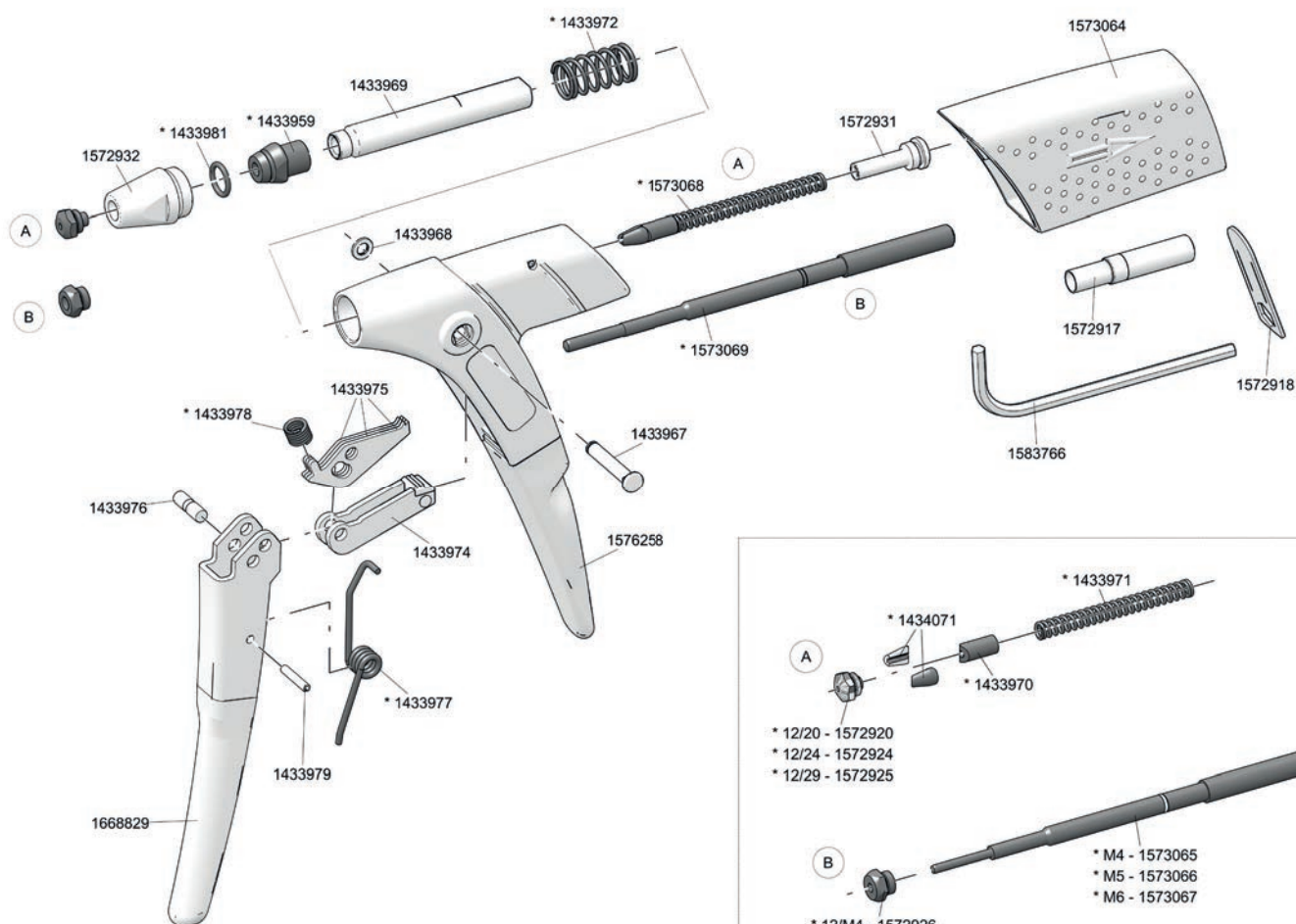
# BLIND RIVET HAND NUT SETTING TOOLS

## Flipper® Plus

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 3959* | Jaw housing                                                                       |
| 143 3967  | Pivot bolt                                                                        |
| 143 3968  | Snap ring                                                                         |
| 143 3969  | Lock activator                                                                    |
| 143 3970* | Jaw Pusher                                                                        |
| 143 3971* | Compression spring                                                                |
| 143 3972* | Compression spring                                                                |
| 143 3974  | Drive pawl                                                                        |
| 143 3975  | Storage finger (3-part) per set                                                   |
| 143 3976  | Bolt                                                                              |
| 143 3977* | Self opening spring                                                               |
| 143 3978* | Retaining spring                                                                  |
| 143 3979  | Spring dowel sleeve                                                               |
| 143 3981* | O-ring                                                                            |
| 143 4071* | Jaws (2-part)                                                                     |
| 157 2917  | Assembly aid                                                                      |
| 157 2918  | Assembly key                                                                      |

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 157 2920* | Nosepiece 12/20                                                                   |
| 157 2924* | Nosepiece 12/24                                                                   |
| 157 2925* | Nosepiece 12/29                                                                   |
| 157 2926* | Nosepiece M4                                                                      |
| 157 2927* | Nosepiece M5                                                                      |
| 157 2929* | Nosepiece M6                                                                      |
| 157 2931  | Closure screw                                                                     |
| 157 2932  | Steel head sleeve                                                                 |
| 157 3064  | Spent mandrel container                                                           |
| 157 3065* | Draw bar M4                                                                       |
| 157 3066* | Draw bar M5                                                                       |
| 157 3067* | Draw bar M6                                                                       |
| 157 3068* | Jaw mechanism                                                                     |
| 157 3069* | Jaw mechanism                                                                     |
| 157 6258  | Housing with slide block, lever and grip                                          |
| 158 3766  | Hexagon key                                                                       |
| 166 8829  | Actuating lever                                                                   |

### \* Wearing parts



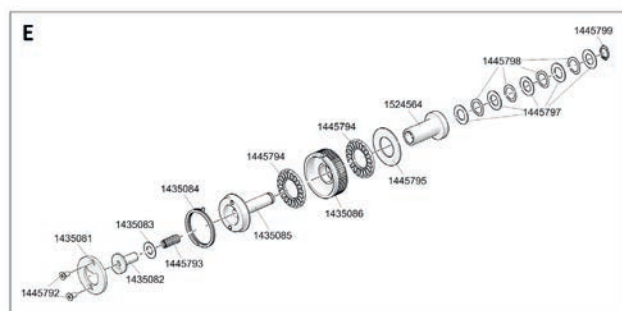
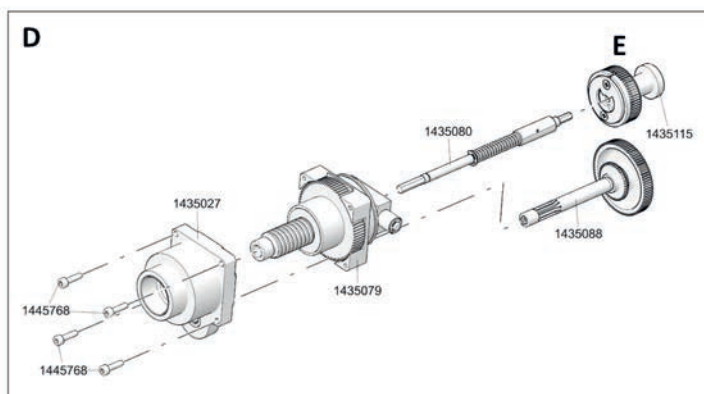
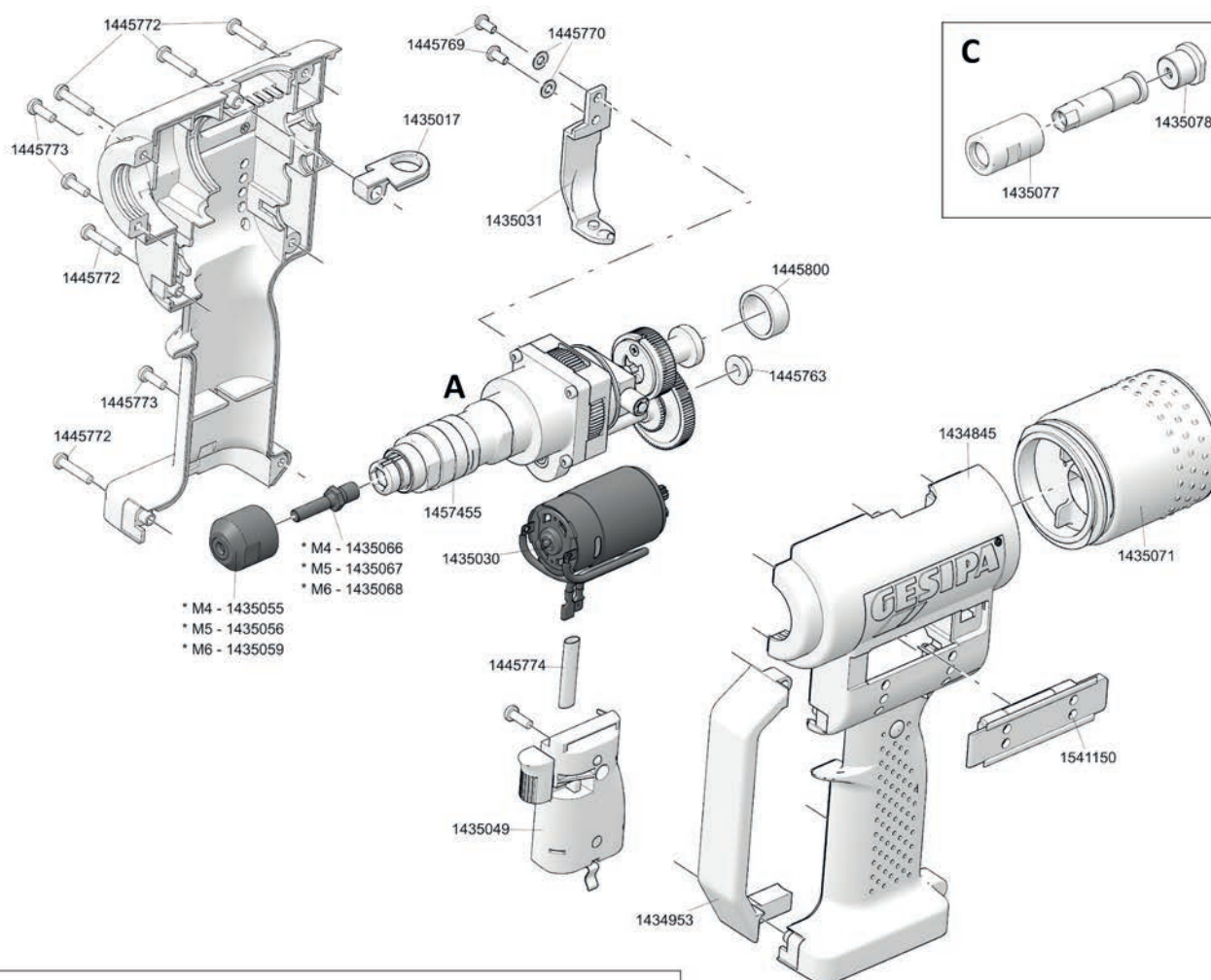
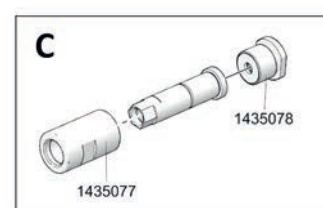
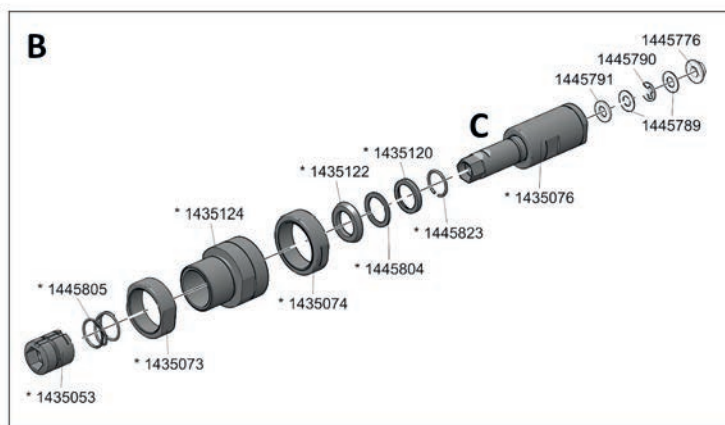
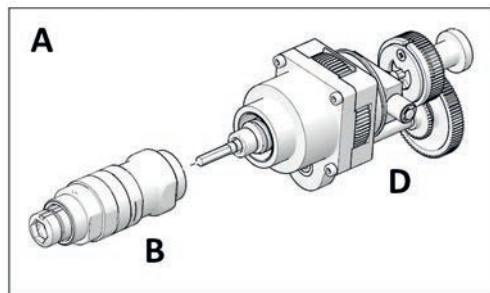
### \* Wearing parts



You will find detailed nosepiece allocation tables on page 128.

# BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

**FireBird®**



\* Wearing parts



# BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

**FireBird®**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4845  | Housing complete                                                                  |
| 143 4953  | Hoop guard                                                                        |
| 143 5017  | Hanger                                                                            |
| 143 5027  | Bearing complete                                                                  |
| 143 5030* | Motor complete                                                                    |
| 143 5049  | E control                                                                         |
| 143 5053* | Slider                                                                            |
| 143 5055* | Threaded mandrel M 4                                                              |
| 143 5056* | Threaded mandrel M 5                                                              |
| 143 5059* | Threaded mandrel M 6                                                              |
| 143 5066* | Nosepiece M 4                                                                     |
| 143 5067* | Nosepiece M 5                                                                     |
| 143 5068* | Nosepiece M 6                                                                     |
| 143 5071  | Accessories magazine                                                              |
| 143 5073* | Locking nut 2                                                                     |
| 143 5074* | Locking nut 1                                                                     |
| 143 5075  | Head                                                                              |
| 143 5076  | Driver complete                                                                   |
| 143 5077  | Lock activator                                                                    |
| 143 5078  | Spacer                                                                            |
| 143 5079  | Ball screw drive                                                                  |
| 143 5080  | Rotating rod, complete                                                            |
| 143 5081  | Plate                                                                             |
| 143 5082  | Rotary driver                                                                     |
| 143 5083  | Washer                                                                            |
| 143 5084  | Wrap spring                                                                       |
| 143 5085  | Shaft                                                                             |
| 143 5086  | Coupling                                                                          |
| 143 5088  | Pinion shaft                                                                      |
| 143 5115  | Coupling complete                                                                 |
| 143 5120* | Lock washer                                                                       |
| 143 5122* | Bevel washer                                                                      |
| 143 5124* | Adjusting sleeve                                                                  |
| 144 5763  | Sintered-metal bushing                                                            |
| 144 5768  | Allen screw                                                                       |
| 144 5769  | Magnetic holder screw                                                             |
| 144 5772  | Housing screw short long                                                          |
| 144 5773  | Housing screw short short                                                         |
| 144 5774  | Hose complete                                                                     |
| 144 5776  | Slide bearing                                                                     |
| 144 5789  | Washer                                                                            |

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 144 5790  | Lock Washer                                                                       |
| 144 5791  | Washer                                                                            |
| 144 5792  | Countersunk screw                                                                 |
| 144 5793  | Compression spring                                                                |
| 144 5794  | Axial needle bearing                                                              |
| 144 5795  | Axial disc                                                                        |
| 144 5797  | Washer                                                                            |
| 144 5798  | Spring washer                                                                     |
| 144 5799  | Snap ring                                                                         |
| 144 5800  | Cap                                                                               |
| 144 5804* | Washer                                                                            |
| 144 5805* | Compression spring                                                                |
| 144 5823* | Snap ring                                                                         |
| 145 7455  | Drive unit, complete                                                              |
| 152 4564  | Bushing                                                                           |
| 154 1150  | End cap                                                                           |
|           | Threaded mandrels SL                                                              |
|           | Nosepieces SL                                                                     |
| 144 5806  | Double open-end spanner SW 24/27                                                  |

\* Verschleißteile

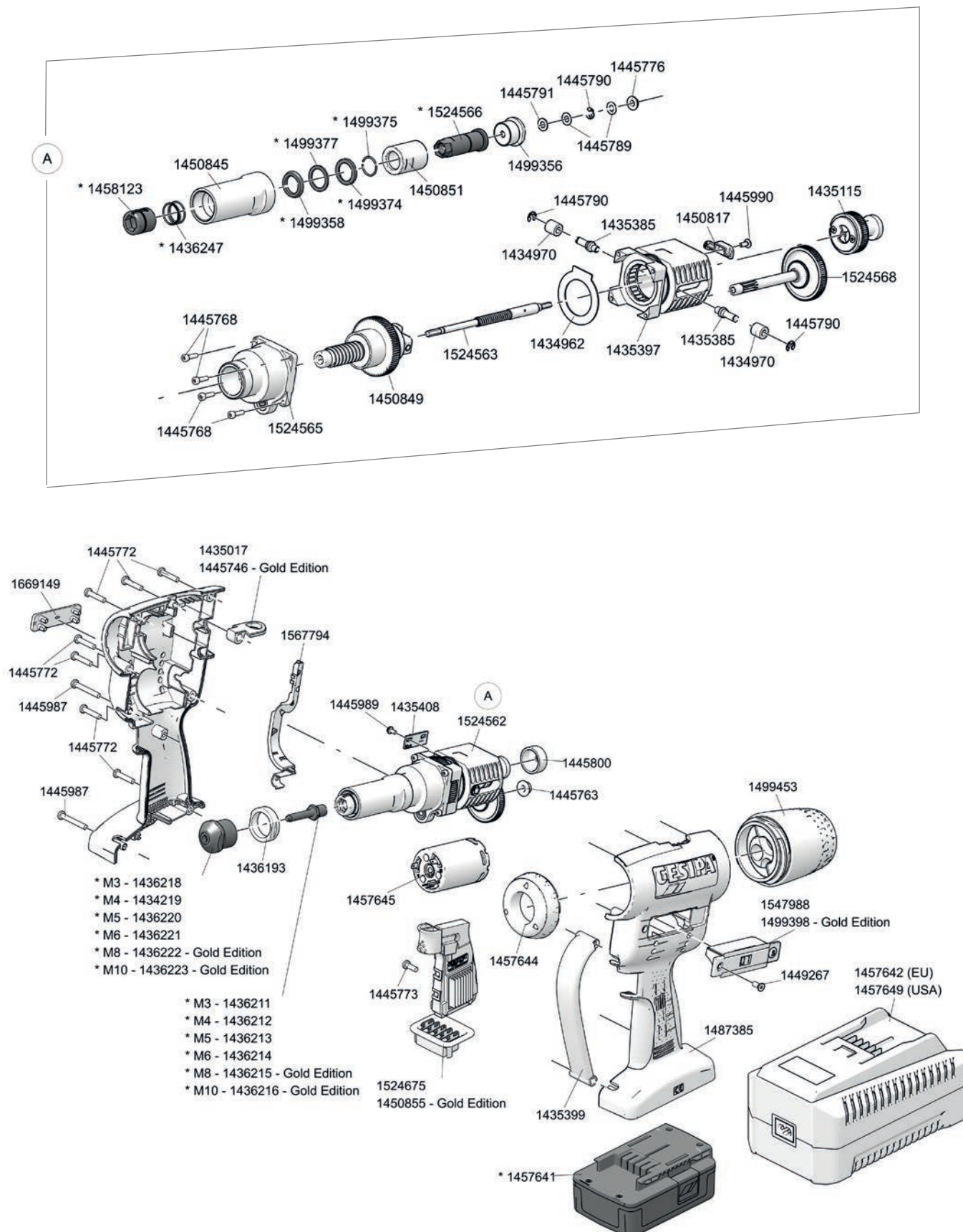


You will find detailed nosepiece allocation tables on page 242.



# BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

## **FireBird® Pro and FireBird® Pro Gold Edition - until April 2021**



\* Wearing parts

# BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

## **FireBird® Pro and FireBird® Pro Gold Edition - until April 2021**

| No.       |  |  |
|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 143 4962  |                                                                                   | Pressure disc                                                                     |
| 143 4970  |                                                                                   | Sintered metal roller                                                             |
| 143 5017  | FB Pro                                                                            | Hanger                                                                            |
| 143 5082  |                                                                                   | Rotary driver                                                                     |
| 143 5083  |                                                                                   | Washer                                                                            |
| 143 5084  |                                                                                   | Wrap spring                                                                       |
| 143 5085  |                                                                                   | Shaft                                                                             |
| 143 5086  |                                                                                   | Coupling                                                                          |
| 143 5115  |                                                                                   | Coupling complete                                                                 |
| 143 5385  |                                                                                   | Pin holder                                                                        |
| 143 5397  |                                                                                   | Bearing cage                                                                      |
| 143 5399  |                                                                                   | Device hanger                                                                     |
| 143 5408  |                                                                                   | Hall pcb                                                                          |
| 143 6193  |                                                                                   | Locking nut                                                                       |
| 143 6211* |                                                                                   | Threaded mandrel M3                                                               |
| 143 6212* |                                                                                   | Threaded mandrel M4                                                               |
| 143 6213* |                                                                                   | Threaded mandrel M5                                                               |
| 143 6214* |                                                                                   | Threaded mandrel M6                                                               |
| 143 6215* | FB Pro GE                                                                         | Threaded mandrel M8                                                               |
| 143 6216* | FB Pro GE                                                                         | Threaded mandrel M10                                                              |
| 143 6218* |                                                                                   | Nosepiece M3                                                                      |
| 143 6219* |                                                                                   | Nosepiece M4                                                                      |
| 143 6220* |                                                                                   | Nosepiece M5                                                                      |
| 143 6221* |                                                                                   | Nosepiece M6                                                                      |
| 143 6222* | FB Pro GE                                                                         | Nosepiece M8                                                                      |
| 143 6223* | FB Pro GE                                                                         | Nosepiece M10                                                                     |
| 143 6247* |                                                                                   | Spring                                                                            |
| 144 5746  | FB Pro GE                                                                         | Hanger                                                                            |
| 144 5763  |                                                                                   | Sintered-metal bushing                                                            |
| 144 5768  |                                                                                   | Screw                                                                             |
| 144 5772  |                                                                                   | Screw                                                                             |
| 144 5773  |                                                                                   | Screw                                                                             |
| 144 5776  |                                                                                   | Plain bearings                                                                    |
| 144 5789  |                                                                                   | Washer                                                                            |
| 144 5790  |                                                                                   | Snap ring                                                                         |
| 144 5791  |                                                                                   | Washer                                                                            |
| 144 5793  |                                                                                   | Spring                                                                            |
| 144 5794  |                                                                                   | Needle bearing                                                                    |
| 144 5795  |                                                                                   | Axial disc                                                                        |
| 144 5797  |                                                                                   | Washer                                                                            |

| No.       |  |  |
|-----------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 144 5798  |                                                                                   | Spring washer                                                                       |
| 144 5799  |                                                                                   | Snap ring                                                                           |
| 144 5800  |                                                                                   | Cap                                                                                 |
| 144 5987  |                                                                                   | Screw                                                                               |
| 144 5989  |                                                                                   | Screw                                                                               |
| 144 5990  |                                                                                   | Screw                                                                               |
| 144 9267  |                                                                                   | Screw                                                                               |
| 145 0817  |                                                                                   | Magnetic holder complete                                                            |
| 145 0845  |                                                                                   | Head                                                                                |
| 145 0849  |                                                                                   | Ball screw drive                                                                    |
| 145 0851  |                                                                                   | Lock activator                                                                      |
| 145 0855  | FB Pro GE                                                                         | Control                                                                             |
| 145 7641* |                                                                                   | Battery - while stocks last                                                         |
| 145 7642  |                                                                                   | Battery charger EU - while stocks last                                              |
| 145 7644  |                                                                                   | Light, complete                                                                     |
| 145 7645  |                                                                                   | Motor                                                                               |
| 145 7649  |                                                                                   | Battery charger USA - while stocks last                                             |
| 145 8123* |                                                                                   | Slider complete                                                                     |
| 148 7385  |                                                                                   | Housing, complete                                                                   |
| 149 9356  |                                                                                   | Spacer                                                                              |
| 149 9358* |                                                                                   | Bevel washer                                                                        |
| 149 9374* |                                                                                   | Lock washer                                                                         |
| 149 9375* |                                                                                   | Snap ring                                                                           |
| 149 9377* |                                                                                   | Washer                                                                              |
| 149 9398  | FB Pro GE                                                                         | Setting force control                                                               |
| 149 9453  |                                                                                   | Accessories magazine                                                                |
| 152 4562  |                                                                                   | Drive unit, complete                                                                |
| 152 4563  |                                                                                   | Rotating rod, complete                                                              |
| 152 4564  |                                                                                   | Coupling bush assy                                                                  |
| 152 4565  |                                                                                   | Bearing, complete                                                                   |
| 152 4566* |                                                                                   | Driver                                                                              |
| 152 4568  |                                                                                   | Pinion shaft                                                                        |
| 152 4675  |                                                                                   | Control FireBird® Pro                                                               |
| 154 7988  | FB Pro                                                                            | Setting force control                                                               |
| 156 7794  |                                                                                   | Cable duct                                                                          |
| 166 9149  |                                                                                   | Sticker                                                                             |

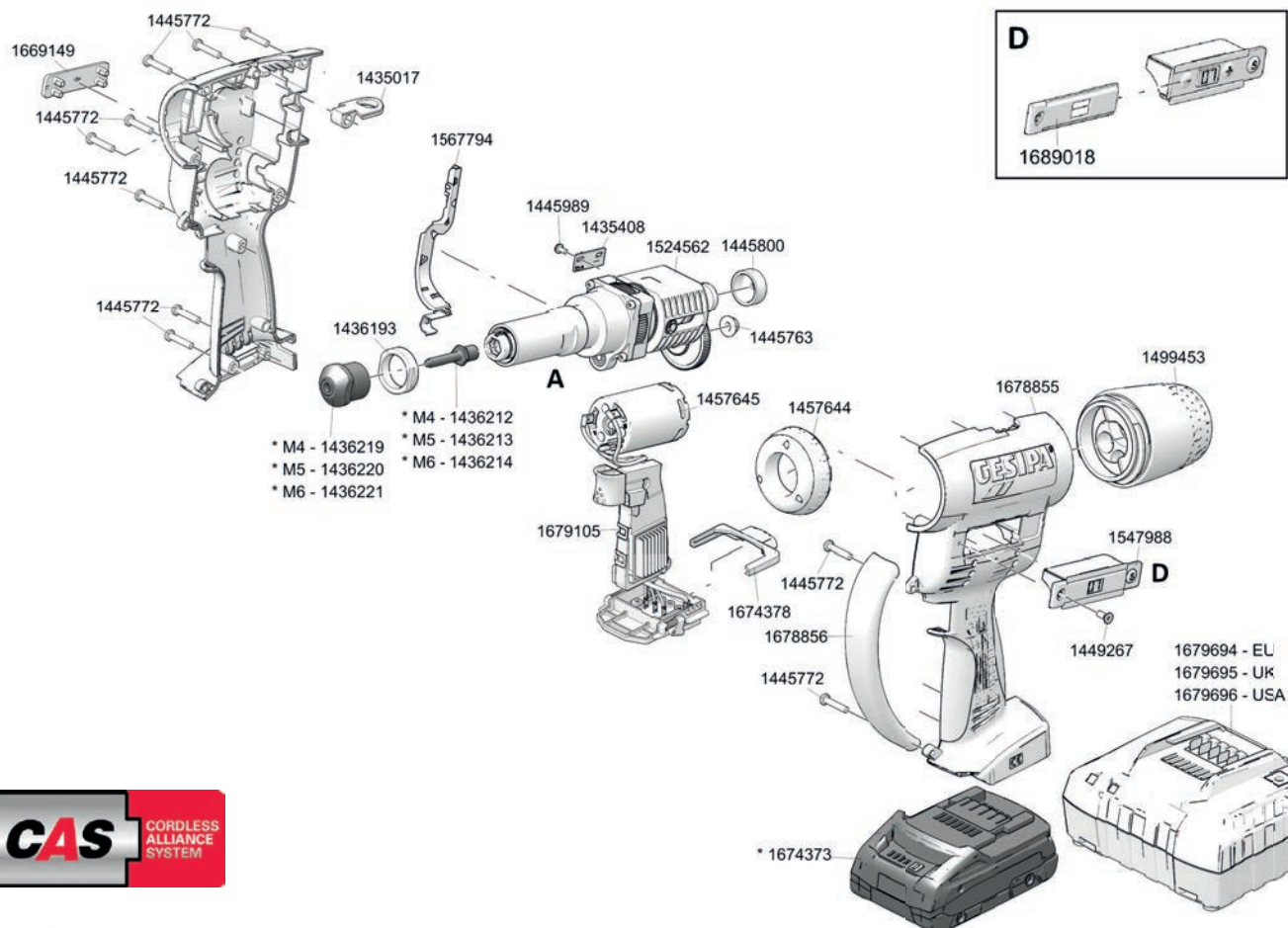
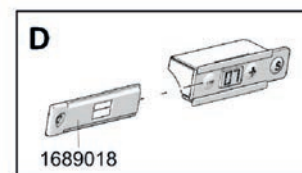
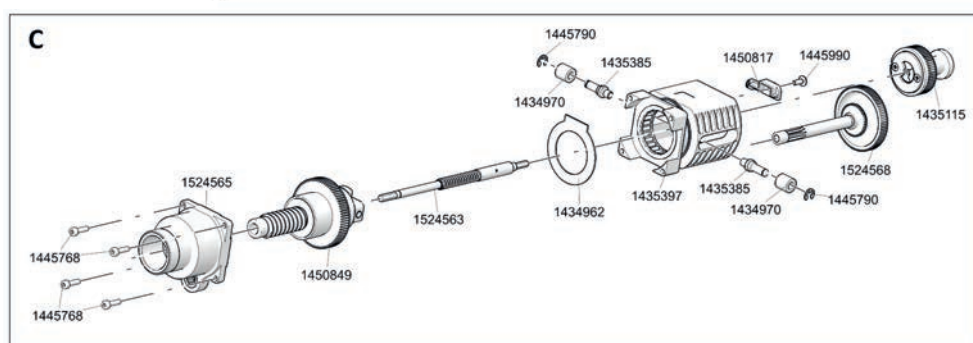
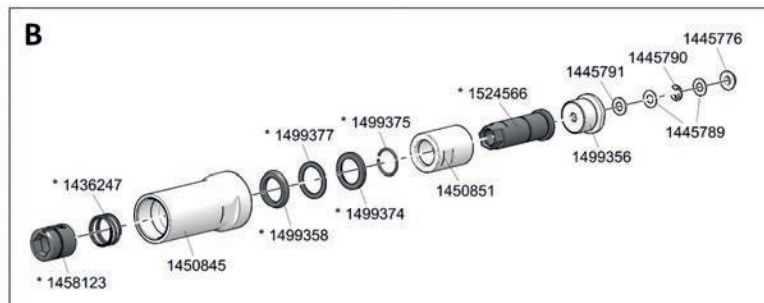
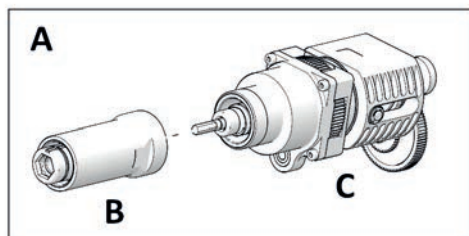
\* Wearing parts



You will find detailed nosepiece allocation tables on page 242.

## BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

**FireBird® Pro with new CAS technology - from May 2021**



\* Wearing parts

# BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

## **FireBird® Pro with new CAS technology - from May 2021**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4962  | Pressure disc                                                                     |
| 143 4970  | Sintered metal roller                                                             |
| 143 5017  | Hanger                                                                            |
| 143 5115  | Coupling complete                                                                 |
| 143 5385  | Pin                                                                               |
| 143 5397  | Bearing cage                                                                      |
| 143 5408  | Hall pcb                                                                          |
| 143 6193  | Locking nut                                                                       |
| 143 6212* | Threaded mandrel M 4                                                              |
| 143 6213* | Threaded mandrel M 5                                                              |
| 143 6214* | Threaded mandrel M 6                                                              |
| 143 6219* | Nosepiece M 4                                                                     |
| 143 6220* | Nosepiece M 5                                                                     |
| 143 6221* | Nosepiece M 6                                                                     |
| 143 6247* | Spring                                                                            |
| 144 5768  | Screw                                                                             |
| 144 5772  | Screw                                                                             |
| 144 5776  | Plain bearings                                                                    |
| 144 5789  | Washer                                                                            |
| 144 5790  | Snap ring                                                                         |
| 144 5791  | Washer                                                                            |
| 144 5800  | Cap                                                                               |
| 144 5989  | Screw                                                                             |
| 144 5990  | Screw                                                                             |
| 144 9267  | Screw                                                                             |
| 145 0817  | Magnetic holder complete                                                          |
| 145 0845  | Head                                                                              |
| 145 0849  | Ball screw drive                                                                  |
| 145 0851  | Lock activator                                                                    |
| 145 7644  | Light, complete                                                                   |
| 145 7645  | Motor complete                                                                    |
| 145 8123* | Slider complete                                                                   |

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 149 9356  | Spacer                                                                            |
| 149 9358* | Bevel washer                                                                      |
| 149 9374* | Lock washer                                                                       |
| 149 9375* | Snap ring                                                                         |
| 149 9377* | Washer                                                                            |
| 149 9453  | Accessories magazine                                                              |
| 152 4562  | Drive unit, complete                                                              |
| 152 4563  | Rotating rod, complete                                                            |
| 152 4565  | Bearing, complete                                                                 |
| 152 4566* | Driver                                                                            |
| 152 4568  | Pinion shaft                                                                      |
| 154 7988  | Setting force control                                                             |
| 156 7794  | Cable duct                                                                        |
| 166 9149  | Sticker                                                                           |
| 167 4373* | Battery 2.0 Ah                                                                    |
| 167 4378  | Locking slider                                                                    |
| 167 8855  | Housing                                                                           |
| 167 8856  | Hoop guard                                                                        |
| 167 9105  | E control                                                                         |
| 167 9694  | Charger EU                                                                        |
| 167 9695  | Charger UK                                                                        |
| 167 9696  | Charger USA                                                                       |
| 168 9018  | Cover cap                                                                         |

\* Wearing parts



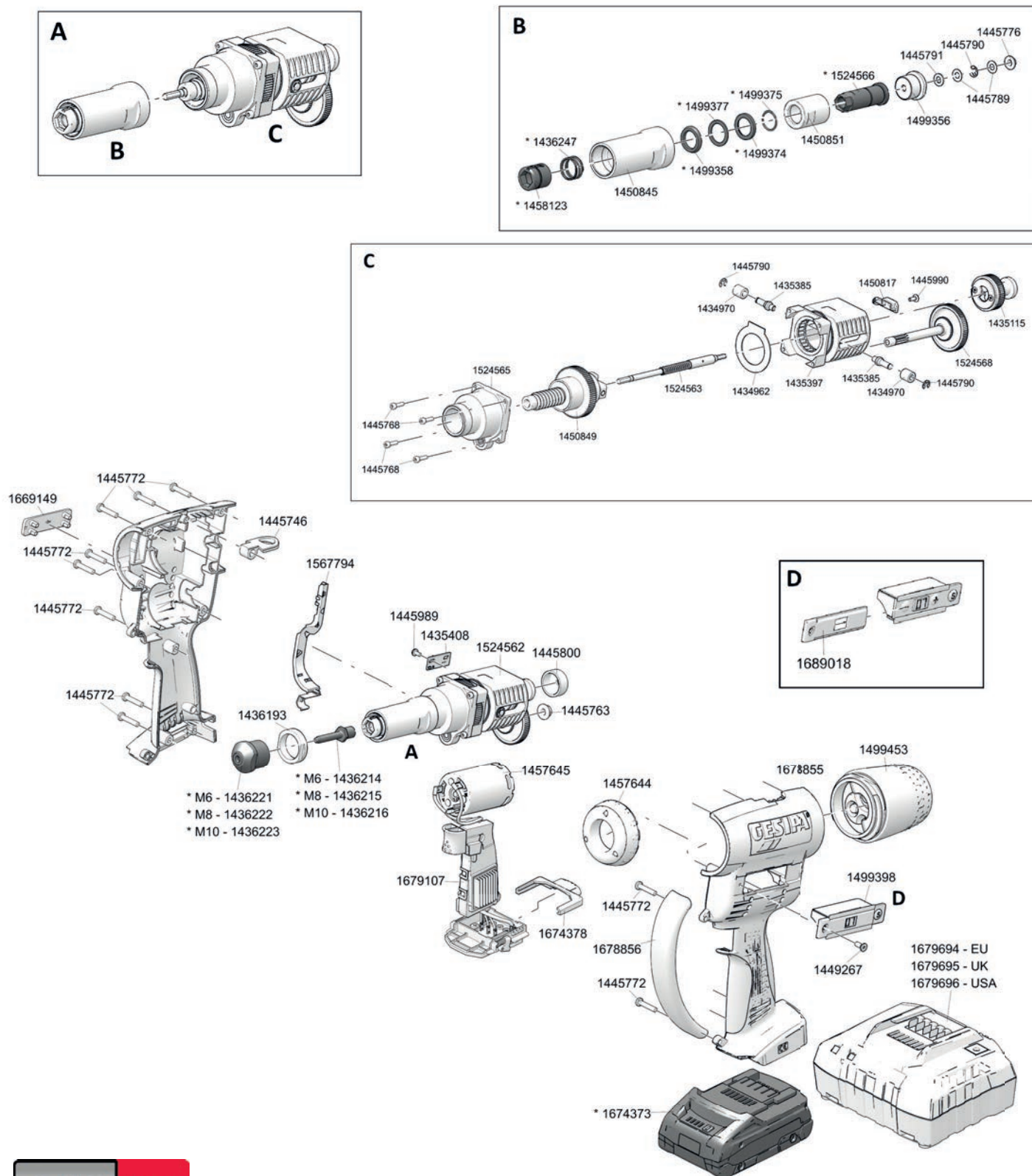
You will find detailed nosepiece allocation tables on page 242.





## BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

**FireBird® Pro Gold Edition with new CAS technology - from May 2021**



\* Wearing parts

# BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

## **FireBird® Pro Gold Edition with new CAS technology - from May 2021**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4962  | Pressure disc                                                                     |
| 143 4970  | Sintered metal roller                                                             |
| 143 5115  | Coupling complete                                                                 |
| 143 5385  | Pin                                                                               |
| 143 5397  | Bearing cage                                                                      |
| 143 5408  | Hall pcb                                                                          |
| 143 6193  | Locking nut                                                                       |
| 143 6214* | Threaded mandrel M 6                                                              |
| 143 6215* | Threaded mandrel M8                                                               |
| 143 6216* | Threaded mandrel M10                                                              |
| 143 6221* | Nosepiece M 6                                                                     |
| 143 6222* | Nosepiece M8                                                                      |
| 143 6223* | Nosepiece M10                                                                     |
| 143 6247* | Spring                                                                            |
| 144 5746  | Hanger                                                                            |
| 144 5763  | Sintered-metal bushing                                                            |
| 144 5768  | Screw                                                                             |
| 144 5772  | Screw                                                                             |
| 144 5776  | Plain bearings                                                                    |
| 144 5789  | Pass-Washer                                                                       |
| 144 5790  | Snap ring                                                                         |
| 144 5791  | Washer                                                                            |
| 144 5800  | Cap                                                                               |
| 144 5989  | Screw                                                                             |
| 144 5990  | Screw                                                                             |
| 144 9267  | Screw                                                                             |
| 145 0817  | Magnetic holder complete                                                          |
| 145 0845  | Head                                                                              |
| 145 0849  | Ball screw drive                                                                  |
| 145 0851  | Lock activator                                                                    |
| 145 7644  | Light, complete                                                                   |
| 145 7645  | Motor complete                                                                    |
| 145 8123* | Slider complete                                                                   |

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 149 9356  | Spacer                                                                            |
| 149 9358* | Bevel washer                                                                      |
| 149 9374* | Lock washer                                                                       |
| 149 9375* | Snap ring                                                                         |
| 149 9377* | Washer                                                                            |
| 149 9398  | Setting force control                                                             |
| 149 9453  | Accessories magazine                                                              |
| 152 4562  | Drive unit, complete                                                              |
| 152 4563  | Rotating rod, complete                                                            |
| 152 4565  | Bearing, complete                                                                 |
| 152 4566* | Driver                                                                            |
| 152 4568  | Pinion shaft                                                                      |
| 156 7794  | Cable duct                                                                        |
| 166 9149  | Sticker                                                                           |
| 167 4373* | Battery 2.0 Ah                                                                    |
| 167 4378  | Locking slider                                                                    |
| 167 8855  | Housing                                                                           |
| 167 8856  | Hoop guard                                                                        |
| 167 9107  | E control                                                                         |
| 167 9694  | Charger EU                                                                        |
| 167 9695  | Charger UK                                                                        |
| 167 9696  | Charger USA                                                                       |
| 168 9018  | Cover cap                                                                         |

\* Wearing parts



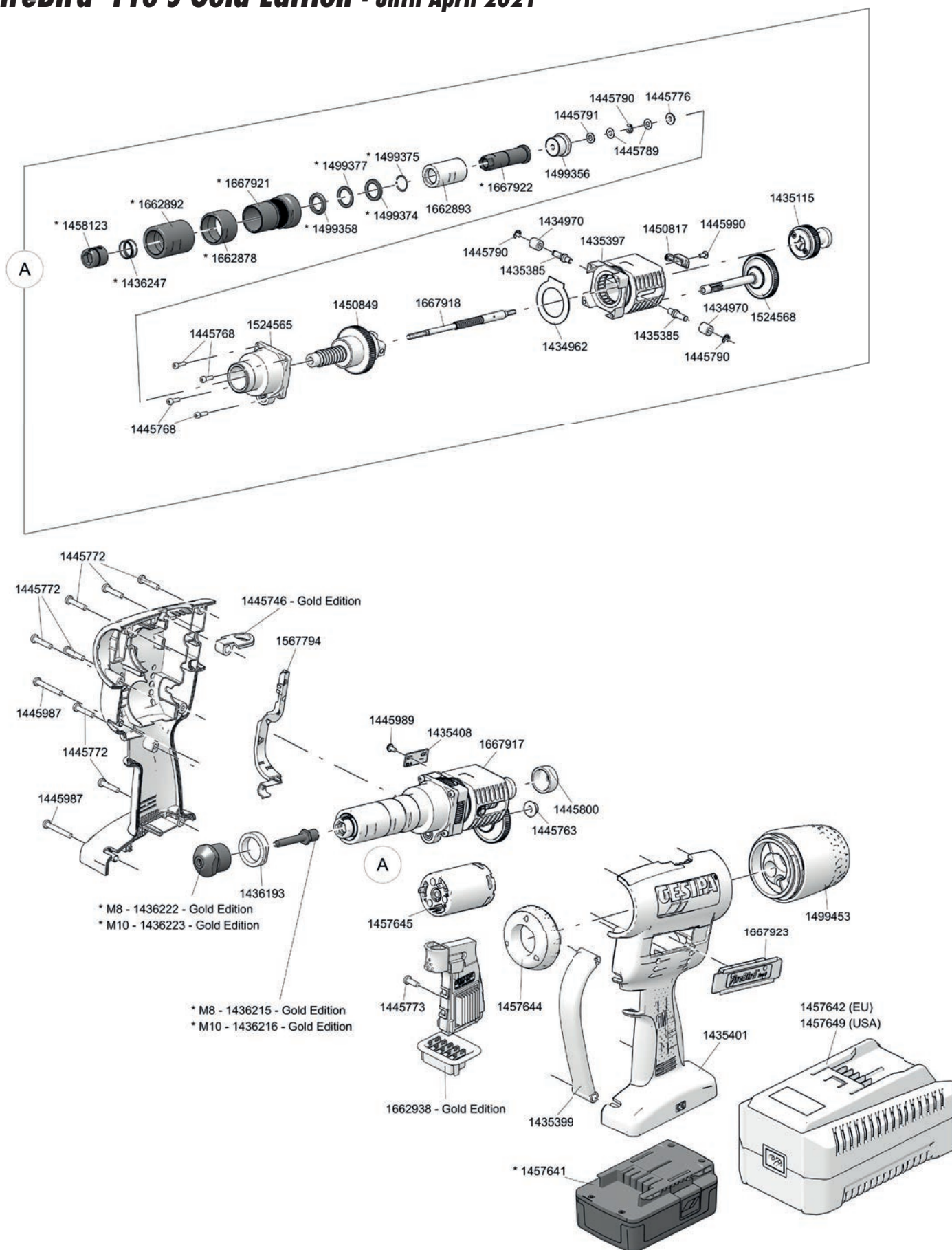
You will find detailed nosepiece allocation tables on page 242.





# BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

## **FireBird® Pro S Gold Edition - until April 2021**



\* Wearing parts

# BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

## **FireBird® Pro S Gold Edition - until April 2021**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4962  | Pressure disc                                                                     |
| 143 4970  | Sintered metal roller                                                             |
| 143 5115  | Coupling complete                                                                 |
| 143 5385  | Pin                                                                               |
| 143 5397  | Bearing cage                                                                      |
| 143 5399  | Device hanger                                                                     |
| 143 5401  | Housing complete                                                                  |
| 143 5408  | LED plate                                                                         |
| 143 6193  | Locking ring                                                                      |
| 143 6215* | Threaded mandrel M8                                                               |
| 143 6216* | Threaded mandrel M10                                                              |
| 143 6222* | Nosepiece M8                                                                      |
| 143 6223* | Nosepiece M10                                                                     |
| 143 6247* | Spring                                                                            |
| 144 5746  | Hanger Gold Edition                                                               |
| 144 5763  | Sintered-metal bushing                                                            |
| 144 5768  | Allen screw                                                                       |
| 144 5772  | Screw                                                                             |
| 144 5773  | Screw                                                                             |
| 144 5776  | Plain bearings                                                                    |
| 144 5789  | Washer                                                                            |
| 144 5790  | Snap ring                                                                         |
| 144 5791  | Washer                                                                            |
| 144 5800  | Cap                                                                               |
| 144 5987  | Screw                                                                             |
| 144 5989  | Screw                                                                             |
| 144 5990  | Screw                                                                             |
| 145 0817  | Magnetic holder                                                                   |
| 145 0849  | Ball screw drive                                                                  |
| 145 7641* | Battery - while stocks last                                                       |
| 145 7642  | Battery charger EU - while stocks last                                            |
| 145 7644  | Light, complete                                                                   |

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 145 7645  | Motor                                                                             |
| 145 7649  | Battery charger USA while stocks last                                             |
| 145 8123* | Slider complete                                                                   |
| 149 9356  | Spacer                                                                            |
| 149 9374* | Washer                                                                            |
| 149 9375* | Snap ring                                                                         |
| 149 9377* | Washer                                                                            |
| 149 9453  | Accessories magazine                                                              |
| 149 9358* | Washer                                                                            |
| 152 4565  | Bearing                                                                           |
| 152 4568  | Pinion shaft                                                                      |
| 156 7794  | Cable duct                                                                        |
| 166 2878* | Adjusting nut                                                                     |
| 166 2892* | Adjusting sleeve                                                                  |
| 166 2893  | Lock activator                                                                    |
| 166 2938  | Control Gold Edition                                                              |
| 166 7917  | Drive unit, complete                                                              |
| 166 7918  | Rotating rod                                                                      |
| 166 7921* | Head                                                                              |
| 166 7922  | Driver                                                                            |
| 166 7923  | Cover                                                                             |

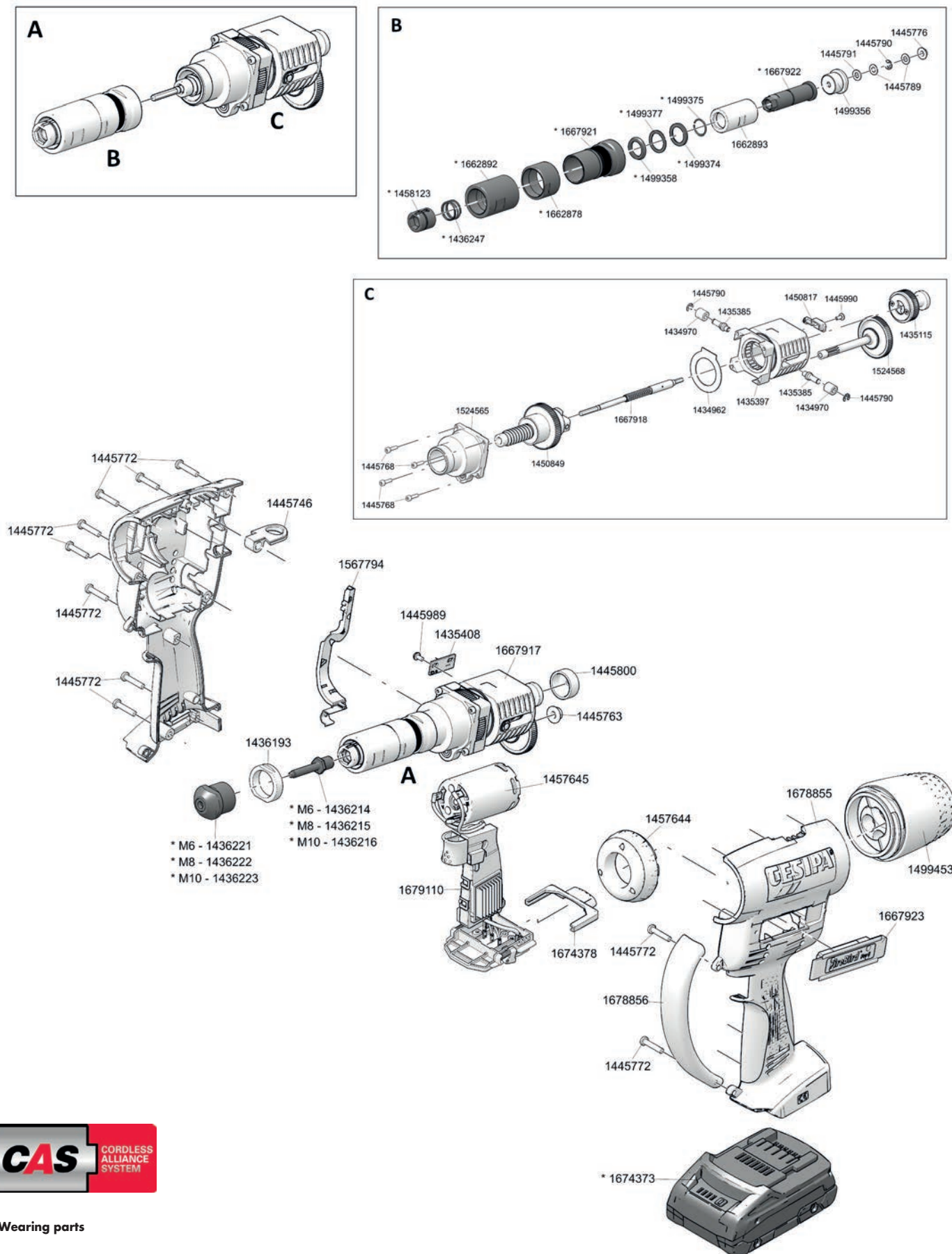
\* Wearing parts



You will find detailed nosepiece allocation tables on page 242.

## BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

***FireBird® Pro S Gold Edition with new CAS technology - from May 2021***



# BATTERY POWERED BLIND RIVET NUT SETTING TOOLS

## **FireBird® Pro S Gold Edition with new CAS technology - from May 2021**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 4962  | Pressure disc                                                                     |
| 143 4970  | Sintered metal roller                                                             |
| 143 5115  | Coupling complete                                                                 |
| 143 5385  | Pin                                                                               |
| 143 5397  | Bearing cage                                                                      |
| 143 5399  | Device hanger                                                                     |
| 143 5408  | LED plate                                                                         |
| 143 6193  | Locking ring                                                                      |
| 143 6214* | Threaded mandrel M6                                                               |
| 143 6215* | Threaded mandrel M8                                                               |
| 143 6216* | Threaded mandrel M10                                                              |
| 143 6221* | Nosepiece M6                                                                      |
| 143 6222* | Nosepiece M8                                                                      |
| 143 6223* | Nosepiece M10                                                                     |
| 143 6247* | Spring                                                                            |
| 144 5746  | Hanger Gold Edition                                                               |
| 144 5763  | Sintered-metal bushing                                                            |
| 144 5768  | Screw                                                                             |
| 144 5772  | Screw                                                                             |
| 144 5776  | Plain bearings                                                                    |
| 144 5789  | Washer                                                                            |
| 144 5790  | Snap ring                                                                         |
| 144 5791  | Washer                                                                            |
| 144 5800  | Cap                                                                               |
| 144 5989  | Screw                                                                             |
| 144 5990  | Screw                                                                             |
| 145 0817  | Magnetic holder                                                                   |
| 145 0849  | Ball screw drive                                                                  |
| 145 7644  | Light, complete                                                                   |

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 145 7645  | Motor                                                                             |
| 145 8123* | Slider complete                                                                   |
| 149 9356  | Spacer                                                                            |
| 149 9374* | Washer                                                                            |
| 149 9375* | Snap ring                                                                         |
| 149 9377* | Washer                                                                            |
| 149 9453  | Accessories magazine                                                              |
| 152 4565  | Bearing                                                                           |
| 152 4568  | Pinion shaft                                                                      |
| 166 2878* | Adjusting nut                                                                     |
| 166 2892* | Adjusting sleeve                                                                  |
| 166 2893  | Lock activator                                                                    |
| 166 7917  | Drive unit, complete                                                              |
| 166 7918  | Rotating rod                                                                      |
| 166 7921* | Head                                                                              |
| 166 7922* | Driver                                                                            |
| 166 7923  | Cover                                                                             |
| 167 4373* | Battery 2.0 Ah                                                                    |
| 167 4378  | Locking slider                                                                    |
| 167 8855  | Housing                                                                           |
| 167 8856  | Device hanger                                                                     |
| 167 9110  | E control                                                                         |

\* Wearing parts

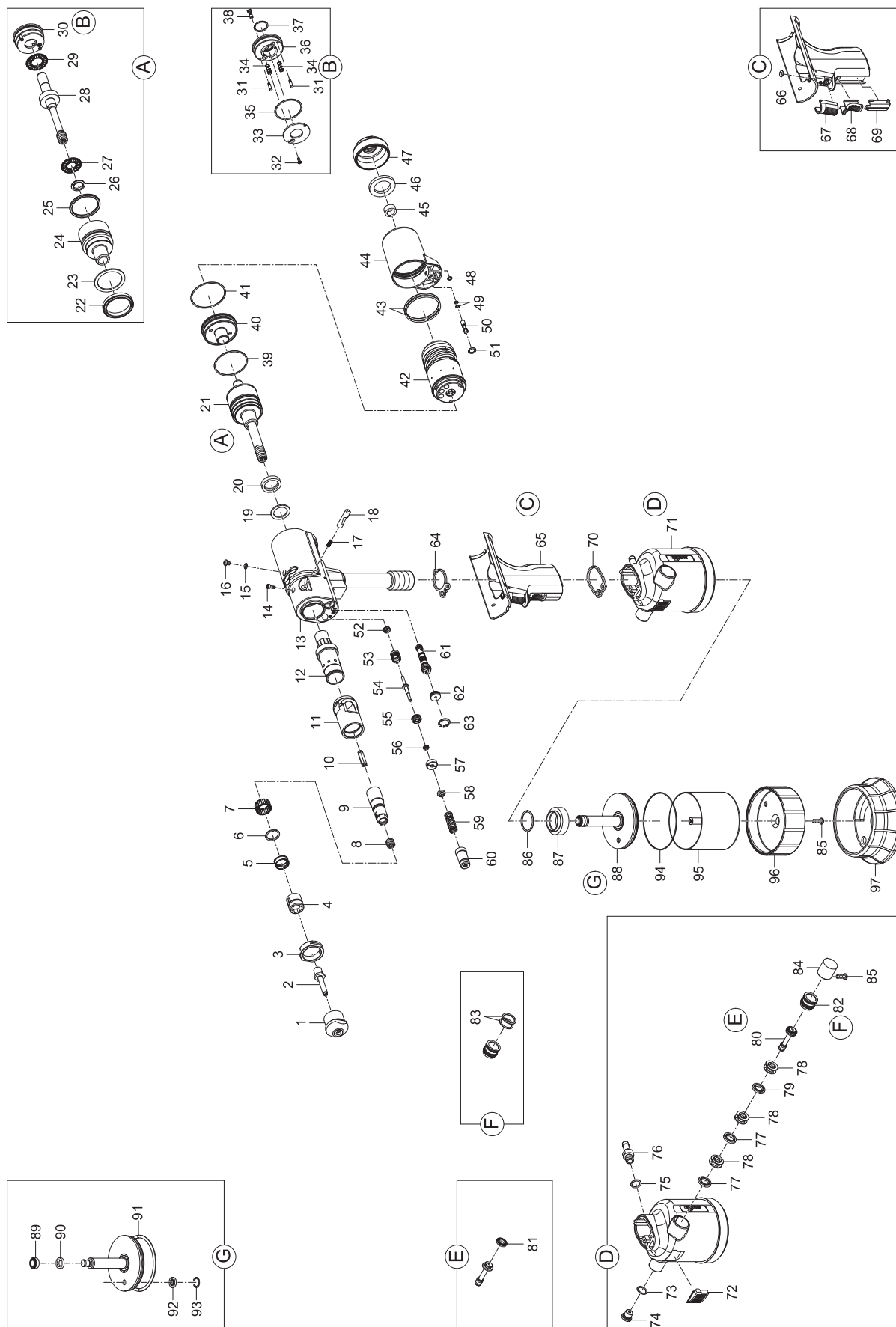


You will find detailed nosepiece allocation tables on page 242.



# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## Firefox® 1





# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 1

|  | No.     |  |
|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | 1436218 | Nosepiece M 3                                                                     |
|                                                                                   | 1436219 | Nosepiece M 4                                                                     |
|                                                                                   | 1436220 | Nosepiece M 5                                                                     |
|                                                                                   | 1436221 | Nosepiece M 6                                                                     |
| 2 •                                                                               | 1436211 | Threaded mandrel M 3                                                              |
|                                                                                   | 1436212 | Threaded mandrel M 4                                                              |
|                                                                                   | 1436213 | Threaded mandrel M 5                                                              |
|                                                                                   | 1436214 | Threaded mandrel M 6                                                              |
| 3                                                                                 | 1436193 | Locking ring                                                                      |
| 4                                                                                 | 1458123 | Slider                                                                            |
| 5                                                                                 | 1436247 | Compression spring                                                                |
| 6                                                                                 | 1446189 | Snap ring                                                                         |
| 7                                                                                 | 1446190 | Needle ring                                                                       |
| 8                                                                                 | 1446187 | Stud bolt                                                                         |
| 9                                                                                 | 1436179 | Driver                                                                            |
| 10                                                                                | 1436201 | Hexagonal rod                                                                     |
| 11                                                                                | 1436192 | Steel head sleeve                                                                 |
| 12                                                                                | 1451094 | Stroke adjuster                                                                   |
| 13                                                                                | 1659541 | Tool head assembled                                                               |
| 14                                                                                | 1445427 | Screw                                                                             |
| 15                                                                                | 1435612 | Sealing ring                                                                      |
| 16                                                                                | 1446013 | Oil screw plug                                                                    |
| 17                                                                                | 1436244 | Spring                                                                            |
| 18                                                                                | 1436180 | Locating bolt                                                                     |
| 19 •                                                                              | 1436230 | Supporting ring                                                                   |
| 20 •                                                                              | 1436234 | Rod seal                                                                          |
| 21                                                                                | 1605693 | Draw bar, complete                                                                |
| 22 •                                                                              | 1436227 | Piston seal                                                                       |
| 23 •                                                                              | 1436229 | Supporting ring                                                                   |
| 24                                                                                | 1436204 | Draw bar                                                                          |
| 25 •                                                                              | 1436231 | Seal                                                                              |
| 26                                                                                | 1435236 | Seal kit                                                                          |
| 27                                                                                | 1446191 | Axial needle bearing                                                              |
| 28                                                                                | 1605692 | Tie anchor complete                                                               |
| 29                                                                                | 1445794 | Axial needle bearing                                                              |
| 30                                                                                | 1458125 | Closure complete                                                                  |
| 31                                                                                | 1436183 | Plug bolt                                                                         |
| 32                                                                                | 1446188 | Screw                                                                             |
| 33                                                                                | 1436205 | Washer                                                                            |
| 34                                                                                | 1436293 | Spring                                                                            |
| 35                                                                                | 1436238 | O-ring                                                                            |
| 36                                                                                | 1436197 | Closure                                                                           |
| 37                                                                                | 1436239 | O-ring                                                                            |
| 38                                                                                | 1458124 | Valve key complete                                                                |
| 39                                                                                | 1436236 | O-ring                                                                            |
| 40                                                                                | 1436198 | End cap                                                                           |
| 41                                                                                | 1436237 | O-ring                                                                            |
| 42                                                                                | 1436168 | Air motor complete                                                                |
| 43                                                                                | 1436243 | O-ring                                                                            |
| 44                                                                                | 1436170 | Adapter                                                                           |
| 45                                                                                | 1436173 | Absorber disc                                                                     |

|  | No.     |  |
|-----------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|
| 46                                                                                | 1436174 | Absorber disc                                                                       |
| 47                                                                                | 1436175 | Noise suppressor cover                                                              |
| 48                                                                                | 1436242 | O-ring                                                                              |
| 49                                                                                | 1436291 | O-ring                                                                              |
| 50                                                                                | 1436292 | Valve key                                                                           |
| 51                                                                                | 1435519 | O-ring                                                                              |
| 52                                                                                | 1436233 | Rod seal                                                                            |
| 53                                                                                | 1605656 | Bit                                                                                 |
| 54                                                                                | 1605658 | Plunger                                                                             |
| 55                                                                                | 1605657 | Sealing washer complete                                                             |
| 56                                                                                | 1605600 | Groove ring                                                                         |
| 57                                                                                | 1605592 | Threaded ring                                                                       |
| 58                                                                                | 1436178 | Bevel washer                                                                        |
| 59                                                                                | 1436374 | Spring                                                                              |
| 60                                                                                | 1451112 | Spring compressor                                                                   |
| 61                                                                                | 1436297 | Distributing valve, complete                                                        |
| 62                                                                                | 1451053 | Stopper, complete                                                                   |
| 63                                                                                | 1445285 | Snap ring                                                                           |
| 64 •                                                                              | 1435472 | Flat gasket 1                                                                       |
| 65                                                                                | 1605659 | Grip, complete                                                                      |
| 66                                                                                | 1436241 | O-ring                                                                              |
| 67                                                                                | 1446025 | Activation button                                                                   |
| 68                                                                                | 1435642 | Slider                                                                              |
| 69                                                                                | 1436169 | Orifice                                                                             |
| 70 •                                                                              | 1435480 | Flat gasket 2                                                                       |
| 71                                                                                | 1605660 | Air cylinder, complete                                                              |
| 72                                                                                | 1515051 | Silencer complete                                                                   |
| 73                                                                                | 1435484 | O-ring                                                                              |
| 74                                                                                | 1457750 | Safety valve, complete                                                              |
| 75                                                                                | 1446030 | Sealing ring                                                                        |
| 76                                                                                | 1435667 | Connecting nipple                                                                   |
| 77                                                                                | 1435647 | Rod seal                                                                            |
| 78                                                                                | 1435648 | Spacer cage                                                                         |
| 79                                                                                | 1436248 | Washer                                                                              |
| 80                                                                                | 1605671 | Control piston                                                                      |
| 81 •                                                                              | 1435675 | Piston seal                                                                         |
| 82                                                                                | 1457693 | Piston housing                                                                      |
| 83                                                                                | 1435688 | O-ring                                                                              |
| 84                                                                                | 1446026 | Stopper                                                                             |
| 85                                                                                | 1445773 | Screw                                                                               |
| 86                                                                                | 1435486 | O-ring                                                                              |
| 87                                                                                | 1435492 | Al nut                                                                              |
| 88                                                                                | 1451107 | Air piston complete                                                                 |
| 89 •                                                                              | 1436007 | Piston seal                                                                         |
| 90 •                                                                              | 1436006 | Guide ring 4                                                                        |
| 91 •                                                                              | 1435660 | O-ring                                                                              |
| 92                                                                                | 1435659 | Rod seal                                                                            |
| 93                                                                                | 1446027 | Snap ring                                                                           |
| 94                                                                                | 1435680 | O-ring                                                                              |
| 95                                                                                | 1451111 | Cylinder 1, complete                                                                |
| 96                                                                                | 1435508 | Bottom                                                                              |
| 97                                                                                | 1436394 | Rubber foot                                                                         |

• Wearing parts

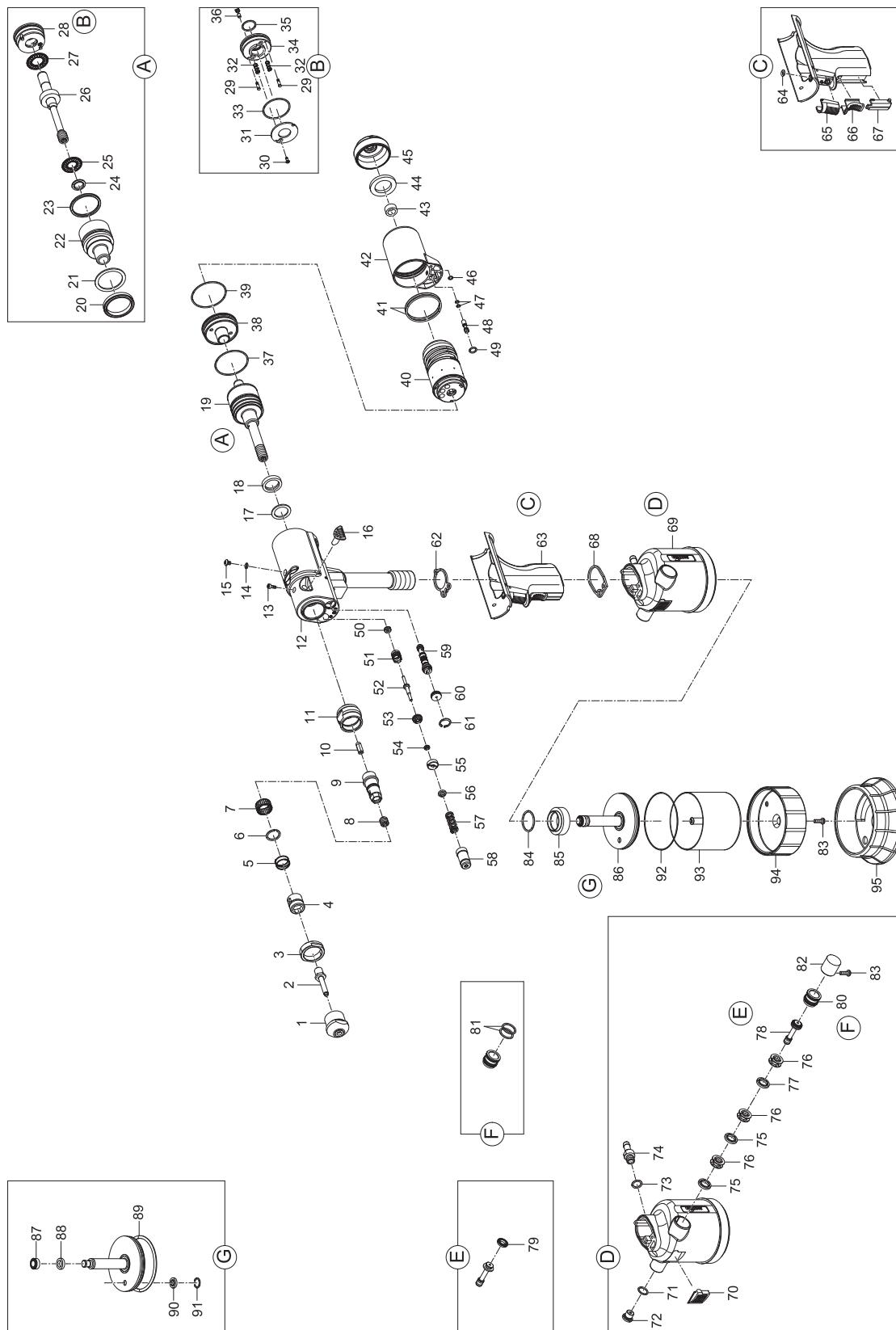


You will find detailed nosepiece allocation tables on page 242.  
You will find spare part kits for FireFox® 1 on page 356.



# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## Firefox® 1 F



# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 1 F

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | 143 6218 | Nosepiece M 3                                                                     |
|                                                                                   | 143 6219 | Nosepiece M 4                                                                     |
|                                                                                   | 143 6220 | Nosepiece M 5                                                                     |
|                                                                                   | 143 6221 | Nosepiece M 6                                                                     |
| 2 •                                                                               | 143 6211 | Threaded mandrel M 3                                                              |
|                                                                                   | 143 6212 | Threaded mandrel M 4                                                              |
|                                                                                   | 143 6213 | Threaded mandrel M 5                                                              |
|                                                                                   | 143 6214 | Threaded mandrel M 6                                                              |
| 3                                                                                 | 143 6193 | Locking ring                                                                      |
| 4                                                                                 | 145 8123 | Slider                                                                            |
| 5                                                                                 | 143 6247 | Compression spring                                                                |
| 6                                                                                 | 144 6189 | Snap ring                                                                         |
| 7                                                                                 | 144 6190 | Needle ring                                                                       |
| 8                                                                                 | 144 6187 | Stud bolt                                                                         |
| 9                                                                                 | 143 6181 | Driving pin                                                                       |
| 10                                                                                | 143 6390 | Hexagonal rod                                                                     |
| 11                                                                                | 143 6393 | Steel head sleeve 1                                                               |
| 12                                                                                | 160 5655 | Tool head 1 assembled                                                             |
| 13                                                                                | 144 5427 | Allen screw                                                                       |
| 14                                                                                | 143 5612 | Sealing ring M4                                                                   |
| 15                                                                                | 144 6013 | Oil screw plug                                                                    |
| 16                                                                                | 143 6204 | Draw bar                                                                          |
| 17 •                                                                              | 143 6230 | Supporting ring                                                                   |
| 18 •                                                                              | 143 6234 | Rod seal                                                                          |
| 19                                                                                | 145 8201 | Draw bar 1, complete                                                              |
| 20 •                                                                              | 143 6227 | Piston seal                                                                       |
| 21 •                                                                              | 143 6229 | Supporting ring                                                                   |
| 22                                                                                | 143 6204 | Draw bar                                                                          |
| 23                                                                                | 143 6231 | Seal                                                                              |
| 24 •                                                                              | 143 5236 | Seal kit                                                                          |
| 25                                                                                | 144 6191 | Axial needle bearing                                                              |
| 26                                                                                | 145 1110 | Tie anchor 1, complete                                                            |
| 27                                                                                | 144 5794 | Axial needle bearing                                                              |
| 28                                                                                | 145 8125 | Closure complete                                                                  |
| 29                                                                                | 143 6183 | Plug bolt                                                                         |
| 30                                                                                | 144 6188 | Screw                                                                             |
| 31                                                                                | 143 6205 | Washer                                                                            |
| 32                                                                                | 143 6293 | Spring                                                                            |
| 33                                                                                | 143 6238 | Closure                                                                           |
| 34                                                                                | 143 6197 | Closure                                                                           |
| 35                                                                                | 143 6239 | O-ring                                                                            |
| 36                                                                                | 145 8124 | Valve key 4 complete                                                              |
| 37                                                                                | 143 6236 | O-ring                                                                            |

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 38                                                                                | 143 6198 | End cap                                                                             |
| 39                                                                                | 143 6237 | O-ring                                                                              |
| 40                                                                                | 143 6168 | Air motor complete                                                                  |
| 41                                                                                | 143 6243 | O-ring                                                                              |
| 42                                                                                | 143 6170 | Adapter                                                                             |
| 43                                                                                | 143 6173 | Absorber disc 1                                                                     |
| 44                                                                                | 143 6174 | Absorber disc 2                                                                     |
| 45                                                                                | 143 6175 | Noise suppressor cover                                                              |
| 46                                                                                | 143 6242 | O-ring                                                                              |
| 47                                                                                | 143 6291 | O-ring                                                                              |
| 48                                                                                | 143 6292 | Valve key 5                                                                         |
| 49                                                                                | 143 5519 | O-ring                                                                              |
| 50                                                                                | 143 6233 | Rod seal                                                                            |
| 51                                                                                | 160 5656 | Bit                                                                                 |
| 52                                                                                | 160 5658 | Plunger                                                                             |
| 53                                                                                | 160 5657 | Sealing washer complete                                                             |
| 54                                                                                | 160 5600 | Groove ring                                                                         |
| 55                                                                                | 160 5592 | Threaded ring                                                                       |
| 56                                                                                | 143 6178 | Bevel washer                                                                        |
| 57                                                                                | 143 6374 | Spring                                                                              |
| 58                                                                                | 145 1112 | Spring compressor                                                                   |
| 59                                                                                | 143 6297 | Distributing valve, complete                                                        |
| 60                                                                                | 145 1053 | Stopper, complete                                                                   |
| 61                                                                                | 144 5285 | Snap ring                                                                           |
| 62 •                                                                              | 143 5472 | Flat gasket 1                                                                       |
| 63                                                                                | 160 5659 | Grip, complete                                                                      |
| 64                                                                                | 143 6241 | O-ring                                                                              |
| 65                                                                                | 144 6025 | Activation button                                                                   |
| 66                                                                                | 143 5642 | Slider                                                                              |
| 67                                                                                | 143 6169 | Orifice                                                                             |
| 68 •                                                                              | 143 5480 | Flat gasket 2                                                                       |
| 69                                                                                | 160 5660 | Air cylinder, complete                                                              |
| 70                                                                                | 151 5051 | Silencer complete                                                                   |
| 71                                                                                | 143 5484 | O-ring                                                                              |
| 72                                                                                | 145 7750 | Safety valve, complete                                                              |
| 73                                                                                | 144 6030 | Sealing ring                                                                        |
| 74                                                                                | 143 5667 | Connecting nipple                                                                   |
| 75                                                                                | 143 5647 | Rod seal                                                                            |
| 76                                                                                | 143 5648 | Spacer cage                                                                         |
| 77                                                                                | 143 6248 | Washer                                                                              |
| 78                                                                                | 160 5671 | Control piston                                                                      |
| 79                                                                                | 143 5675 | Piston seal                                                                         |
| 80                                                                                | 145 7693 | Piston housing                                                                      |
| 81                                                                                | 143 5688 | O-ring                                                                              |
| 82                                                                                | 144 6026 | Stopper                                                                             |
| 83                                                                                | 144 5773 | Screw                                                                               |
| 84                                                                                | 143 5486 | O-ring                                                                              |
| 85                                                                                | 143 5492 | Al nut                                                                              |
| 86                                                                                | 145 1107 | Air piston complete                                                                 |
| 87 •                                                                              | 143 6007 | Piston seal                                                                         |
| 88 •                                                                              | 143 6006 | Guide ring 4                                                                        |
| 89 •                                                                              | 143 5660 | O-ring                                                                              |
| 90                                                                                | 143 5659 | Rod seal                                                                            |
| 91                                                                                | 144 6027 | Snap ring                                                                           |
| 92                                                                                | 143 5680 | O-ring                                                                              |
| 93                                                                                | 145 1111 | Cylinder 1, complete                                                                |
| 94                                                                                | 143 5508 | Bottom 1                                                                            |
| 95                                                                                | 143 6394 | Rubber foot 1                                                                       |
|                                                                                   | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

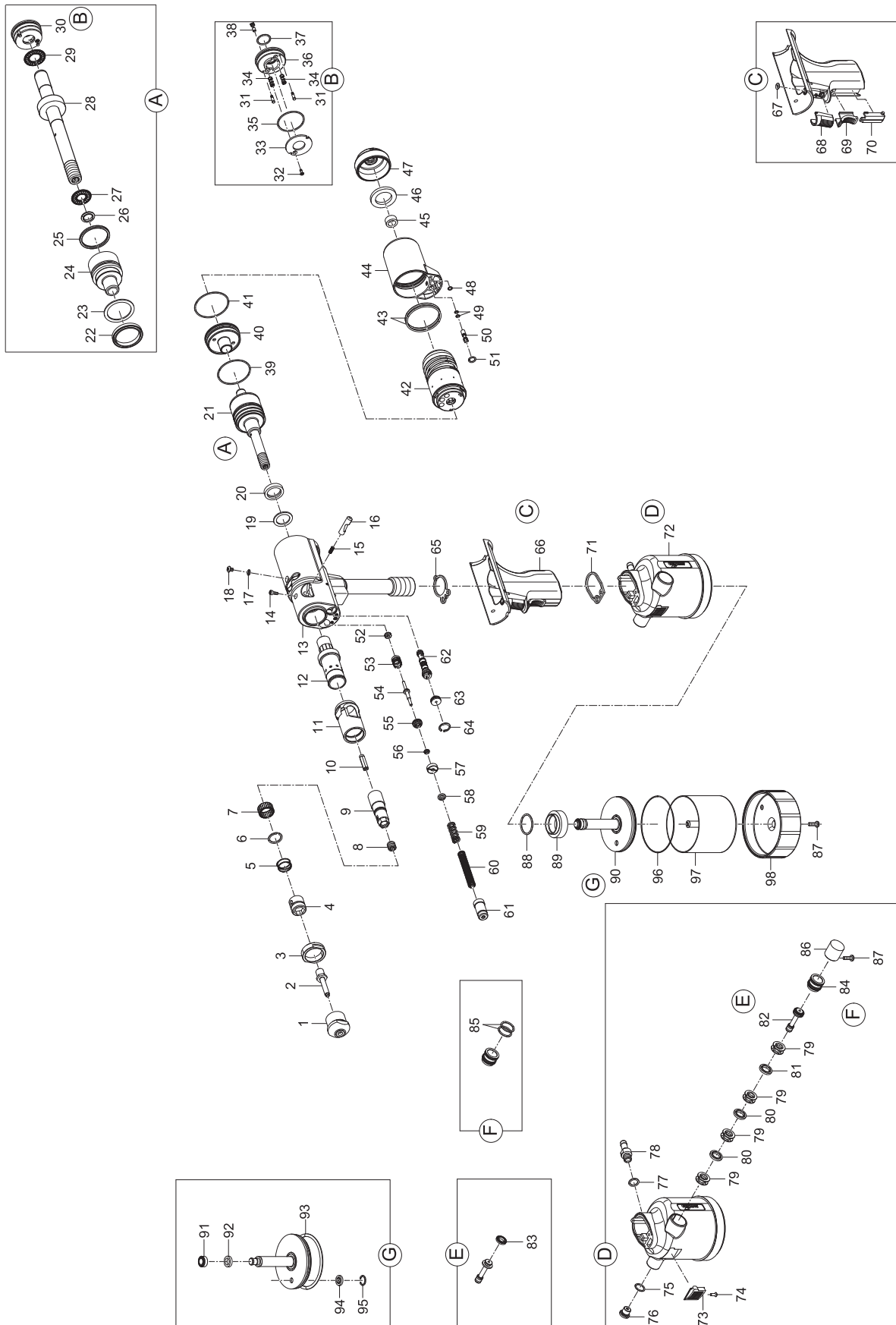
• Wearing parts



You will find detailed nosepiece allocation tables on page 242.  
You will find spare part kits for FireFox® 1 F on page 356.

# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## Firefox® 2



# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 2

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | 143 6219 | Nosepiece M 4                                                                     |
|                                                                                   | 143 6220 | Nosepiece M 5                                                                     |
|                                                                                   | 143 6221 | Nosepiece M 6                                                                     |
|                                                                                   | 143 6222 | Nosepiece M 8                                                                     |
| 2 •                                                                               | 143 6212 | Threaded mandrel M 4                                                              |
|                                                                                   | 143 6213 | Threaded mandrel M 5                                                              |
|                                                                                   | 143 6214 | Threaded mandrel M 6                                                              |
|                                                                                   | 143 6215 | Threaded mandrel M 8                                                              |
| 3                                                                                 | 143 6193 | Locking ring                                                                      |
| 4                                                                                 | 145 8123 | Slider complete                                                                   |
| 5                                                                                 | 143 6247 | Compression spring                                                                |
| 6                                                                                 | 144 6189 | Snap ring                                                                         |
| 7 •                                                                               | 144 6190 | Needle ring                                                                       |
| 8                                                                                 | 144 6187 | Stud bolt                                                                         |
| 9                                                                                 | 143 6179 | Driving pin                                                                       |
| 10                                                                                | 143 6201 | Hexagonal rod                                                                     |
| 11                                                                                | 143 6192 | Steel head sleeve                                                                 |
| 12                                                                                | 145 1094 | Stroke adjuster, complete                                                         |
| 13                                                                                | 165 9529 | Tool head assembled                                                               |
| 14                                                                                | 143 6244 | Spring                                                                            |
| 15                                                                                | 143 6180 | Locating bolt                                                                     |
| 16                                                                                | 144 5427 | Allen screw                                                                       |
| 17                                                                                | 143 5612 | Sealing ring M4                                                                   |
| 18                                                                                | 144 6013 | Oil screw plug                                                                    |
| 19 •                                                                              | 143 6230 | Supporting ring                                                                   |
| 20 •                                                                              | 143 6234 | Rod seal                                                                          |
| 21                                                                                | 160 5693 | Draw bar complete                                                                 |
| 22 •                                                                              | 143 6227 | Piston seal                                                                       |
| 23 •                                                                              | 143 6229 | Supporting ring                                                                   |
| 24                                                                                | 143 6204 | Draw bar                                                                          |
| 25 •                                                                              | 143 6231 | Seal                                                                              |
| 26                                                                                | 143 5236 | Seal kit                                                                          |
| 27 •                                                                              | 144 6191 | Axial needle bearing                                                              |
| 28                                                                                | 160 5692 | Tie anchor complete                                                               |
| 29 •                                                                              | 144 5794 | Axial needle bearing                                                              |
| 30                                                                                | 145 8125 | Closure cover, complete                                                           |
| 31                                                                                | 143 6183 | Stud bolt                                                                         |
| 32                                                                                | 144 6188 | Screw                                                                             |
| 33                                                                                | 143 6205 | Stop disc                                                                         |
| 34                                                                                | 143 6293 | Spring                                                                            |
| 35 •                                                                              | 143 6225 | O-ring                                                                            |
| 36                                                                                | 143 6197 | Closure                                                                           |
| 37 •                                                                              | 143 6239 | O-ring                                                                            |
| 38 •                                                                              | 145 8124 | Valve key 4, complete                                                             |
| 39                                                                                | 143 6236 | O-ring                                                                            |
| 40                                                                                | 143 6198 | End closure                                                                       |
| 41                                                                                | 143 6237 | O-ring                                                                            |
| 42                                                                                | 143 6168 | Air motor complete                                                                |
| 43                                                                                | 143 6243 | O-ring                                                                            |

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 44                                                                                | 143 6170 | Adapter                                                                             |
| 45                                                                                | 143 6173 | Absorber disc 1                                                                     |
| 46                                                                                | 143 6174 | Absorber disc 2                                                                     |
| 47                                                                                | 143 6175 | Noise suppressor cover                                                              |
| 48                                                                                | 143 6242 | O-ring                                                                              |
| 49 •                                                                              | 143 6291 | O-ring                                                                              |
| 50                                                                                | 143 6292 | Valve key 5                                                                         |
| 51                                                                                | 143 5519 | O-ring                                                                              |
| 52 •                                                                              | 143 6233 | Rod seal                                                                            |
| 53 •                                                                              | 160 5656 | Bit                                                                                 |
| 54 •                                                                              | 160 5658 | Plunger                                                                             |
| 55                                                                                | 160 5657 | Sealing washer                                                                      |
| 56                                                                                | 160 5600 | Groove ring                                                                         |
| 57                                                                                | 160 5592 | Threaded ring                                                                       |
| 58                                                                                | 143 6178 | Bevel washer                                                                        |
| 59 •                                                                              | 144 6192 | Compression spring                                                                  |
| 60 •                                                                              | 143 6245 | Compression spring                                                                  |
| 61                                                                                | 145 1093 | Spring compressor complete                                                          |
| 62 •                                                                              | 143 6297 | Distributing valve complete                                                         |
| 63                                                                                | 145 1053 | Stopper complete                                                                    |
| 64                                                                                | 144 5285 | Snap ring                                                                           |
| 65 •                                                                              | 143 5472 | Flat gasket 1                                                                       |
| 66                                                                                | 160 5659 | Grip, complete                                                                      |
| 67                                                                                | 143 6241 | O-ring                                                                              |
| 68                                                                                | 144 6025 | Activation button                                                                   |
| 69                                                                                | 143 5642 | Slider                                                                              |
| 70                                                                                | 143 6169 | Orifice                                                                             |
| 71 •                                                                              | 143 5480 | Flat gasket 2                                                                       |
| 72                                                                                | 160 5728 | Air cylinder 2, complete                                                            |
| 73                                                                                | 145 7862 | Silencer complete                                                                   |
| 74                                                                                | 144 6089 | Screw                                                                               |
| 75                                                                                | 143 5484 | O-ring                                                                              |
| 76                                                                                | 145 7750 | Pressure relief valve                                                               |
| 77                                                                                | 144 6030 | Sealing ring                                                                        |
| 78                                                                                | 143 5667 | Hose fitting                                                                        |
| 79                                                                                | 143 5648 | Spacer cage                                                                         |
| 80                                                                                | 143 5647 | Airzet rod seal                                                                     |
| 81                                                                                | 143 6248 | Washer                                                                              |
| 82                                                                                | 164 5508 | Control piston                                                                      |
| 83 •                                                                              | 143 5675 | Piston seal                                                                         |
| 84                                                                                | 145 7693 | Piston housing                                                                      |
| 85 •                                                                              | 143 5688 | O-ring                                                                              |
| 86                                                                                | 144 6075 | Stopper                                                                             |
| 87                                                                                | 144 5773 | Housing screw short                                                                 |
| 88                                                                                | 143 5486 | O-ring                                                                              |
| 89                                                                                | 143 5492 | Alu nut                                                                             |
| 90                                                                                | 145 8116 | Air piston 2, complete                                                              |
| 91 •                                                                              | 143 6226 | Piston seal                                                                         |
| 92 •                                                                              | 143 6235 | Guide ring                                                                          |
| 93 •                                                                              | 143 5834 | O-ring                                                                              |
| 94                                                                                | 143 5635 | Airzet rod seal                                                                     |
| 95                                                                                | 144 6082 | V-profile ring JV15                                                                 |
| 96                                                                                | 143 5839 | O-ring                                                                              |
| 97                                                                                | 145 8114 | Cylinder 2, complete                                                                |
| 98                                                                                | 143 5761 | Bottom                                                                              |
|                                                                                   | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

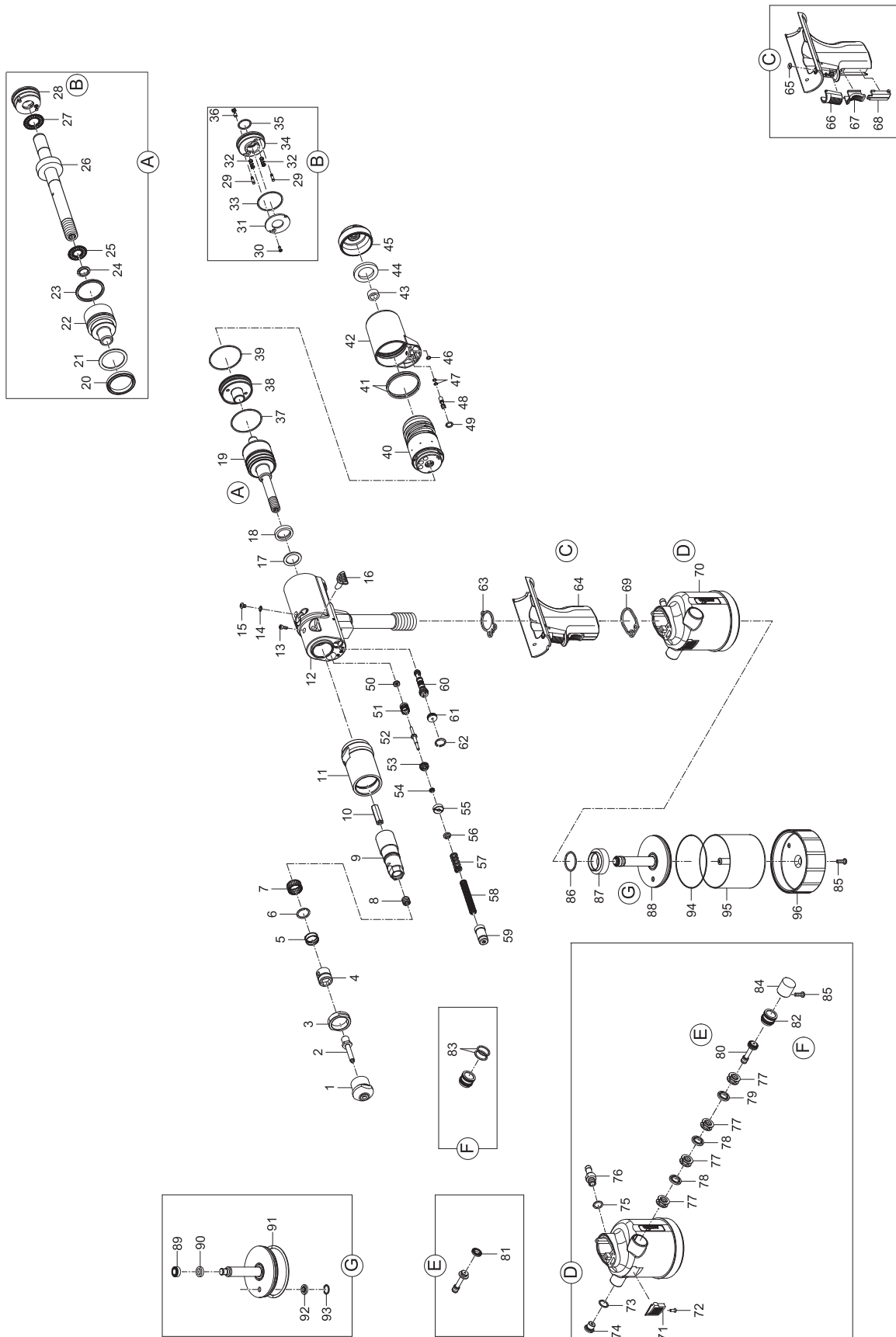
• Wearing parts



You will find detailed nosepiece allocation tables on page 242.  
You will find spare part kits for FireFox® 2 on page 356.

# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## Firefox® 2 F



# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 2 F

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | 143 6219 | Nosepiece M 4                                                                     |
|                                                                                   | 143 6220 | Nosepiece M 5                                                                     |
|                                                                                   | 143 6221 | Nosepiece M 6                                                                     |
|                                                                                   | 143 6222 | Nosepiece M 8                                                                     |
| 2                                                                                 | 143 6212 | Threaded mandrel M 4                                                              |
|                                                                                   | 143 6213 | Threaded mandrel M 5                                                              |
|                                                                                   | 143 6214 | Threaded mandrel M 6                                                              |
|                                                                                   | 143 6215 | Threaded mandrel M 8                                                              |
| 3                                                                                 | 143 6193 | Locking ring                                                                      |
| 4                                                                                 | 145 8123 | Slider complete                                                                   |
| 5                                                                                 | 143 6247 | Compression spring                                                                |
| 6                                                                                 | 144 6189 | Snap ring                                                                         |
| 7 •                                                                               | 144 6190 | Needle ring                                                                       |
| 8                                                                                 | 144 6187 | Stud bolt                                                                         |
| 9                                                                                 | 143 6179 | Driving pin                                                                       |
| 10                                                                                | 143 6201 | Hexagonal rod                                                                     |
| 11                                                                                | 143 6384 | Steel head sleeve                                                                 |
| 12                                                                                | 160 9547 | Tool head assembled                                                               |
| 13                                                                                | 144 5427 | Allen screw                                                                       |
| 14                                                                                | 143 5612 | Sealing ring M4                                                                   |
| 15                                                                                | 144 6013 | Oil screw plug                                                                    |
| 16                                                                                | 144 6204 | Cap                                                                               |
| 17 •                                                                              | 143 6230 | Supporting ring                                                                   |
| 18 •                                                                              | 143 6234 | Rod seal                                                                          |
| 19                                                                                | 145 8126 | Draw bar complete                                                                 |
| 20 •                                                                              | 143 6227 | Piston seal                                                                       |
| 21 •                                                                              | 143 6229 | Supporting ring                                                                   |
| 22                                                                                | 143 6204 | Draw bar                                                                          |
| 23 •                                                                              | 143 6231 | Seal                                                                              |
| 24                                                                                | 143 5236 | Seal kit                                                                          |
| 25 •                                                                              | 144 6191 | Axial needle bearing                                                              |
| 26                                                                                | 143 6296 | Tie anchor complete                                                               |
| 27 •                                                                              | 144 5794 | Axial needle bearing                                                              |
| 28                                                                                | 145 8125 | Closure cover, complete                                                           |
| 29                                                                                | 143 6183 | Stud bolt                                                                         |
| 30                                                                                | 144 6188 | Screw                                                                             |
| 31                                                                                | 143 6205 | Stop disc                                                                         |
| 32                                                                                | 143 6293 | Spring                                                                            |
| 33 •                                                                              | 143 6238 | O-ring                                                                            |
| 34                                                                                | 143 6197 | Closure                                                                           |
| 35 •                                                                              | 143 6239 | O-ring                                                                            |
| 36 •                                                                              | 145 8124 | Valve key 4, complete                                                             |
| 37                                                                                | 143 6236 | O-ring                                                                            |
| 38                                                                                | 143 6198 | End closure                                                                       |
| 39                                                                                | 143 6237 | O-ring                                                                            |
| 40                                                                                | 143 6168 | Air motor complete                                                                |
| 41                                                                                | 143 6243 | O-ring                                                                            |

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 42                                                                                | 143 6170 | Adapter                                                                             |
| 43                                                                                | 143 6173 | Absorber disc 1                                                                     |
| 44                                                                                | 143 6174 | Absorber disc 2                                                                     |
| 45                                                                                | 143 6175 | Noise suppressor cover                                                              |
| 46                                                                                | 143 6242 | O-ring                                                                              |
| 47 •                                                                              | 143 6291 | O-ring                                                                              |
| 48                                                                                | 143 6292 | Valve key 5                                                                         |
| 49                                                                                | 143 5519 | O-ring                                                                              |
| 50 •                                                                              | 143 6233 | Rod seal                                                                            |
| 51 •                                                                              | 160 5656 | Bit                                                                                 |
| 52 •                                                                              | 160 5658 | Plunger                                                                             |
| 53                                                                                | 160 5657 | Sealing washer                                                                      |
| 54                                                                                | 160 5600 | Groove ring                                                                         |
| 55                                                                                | 160 5592 | Threaded ring                                                                       |
| 56                                                                                | 143 6178 | Bevel washer                                                                        |
| 57 •                                                                              | 144 6192 | Compression spring                                                                  |
| 58 •                                                                              | 143 6245 | Compression spring                                                                  |
| 59                                                                                | 145 1093 | Spring compressor complete                                                          |
| 60 •                                                                              | 143 6297 | Distributing valve complete                                                         |
| 61                                                                                | 145 1053 | Stopper complete                                                                    |
| 62                                                                                | 144 5285 | Snap ring                                                                           |
| 63 •                                                                              | 143 5472 | Flat gasket 1                                                                       |
| 64                                                                                | 160 5659 | Grip, complete                                                                      |
| 65                                                                                | 143 6241 | O-ring                                                                              |
| 66                                                                                | 144 6025 | Activation button                                                                   |
| 67                                                                                | 143 5642 | Slider                                                                              |
| 68                                                                                | 143 6169 | Orifice                                                                             |
| 69 •                                                                              | 143 5480 | Flat gasket 2                                                                       |
| 70                                                                                | 160 5706 | Air cylinder 2, complete                                                            |
| 71                                                                                | 145 7862 | Silencer complete                                                                   |
| 72                                                                                | 144 6089 | Screw                                                                               |
| 73                                                                                | 143 5484 | O-ring                                                                              |
| 74                                                                                | 145 7750 | Pressure relief valve, complete                                                     |
| 75                                                                                | 144 6030 | Sealing ring                                                                        |
| 76                                                                                | 143 5667 | Hose fitting                                                                        |
| 77                                                                                | 143 5648 | Spacer cage                                                                         |
| 78                                                                                | 143 5647 | Airzet rod seal                                                                     |
| 79                                                                                | 143 6248 | Washer                                                                              |
| 80                                                                                | 164 5508 | Rod seal                                                                            |
| 81 •                                                                              | 143 5675 | Piston seal                                                                         |
| 82                                                                                | 145 7693 | Piston housing                                                                      |
| 83 •                                                                              | 143 5688 | O-ring                                                                              |
| 84                                                                                | 144 6075 | Stopper                                                                             |
| 85                                                                                | 144 5773 | Housing screw short                                                                 |
| 86                                                                                | 143 5486 | O-ring                                                                              |
| 87                                                                                | 143 5492 | Alu nut                                                                             |
| 88                                                                                | 145 8116 | Air piston 2, complete                                                              |
| 89 •                                                                              | 143 6226 | Piston seal                                                                         |
| 90 •                                                                              | 143 6235 | Guide ring                                                                          |
| 91 •                                                                              | 143 5834 | O-ring                                                                              |
| 92                                                                                | 143 5635 | Airzet rod seal                                                                     |
| 93                                                                                | 144 6082 | V-profile ring JV15                                                                 |
| 94                                                                                | 143 5839 | O-ring                                                                              |
| 95                                                                                | 145 8114 | Cylinder 2, complete                                                                |
| 96                                                                                | 143 5761 | Bottom                                                                              |
| • Wearing parts                                                                   | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

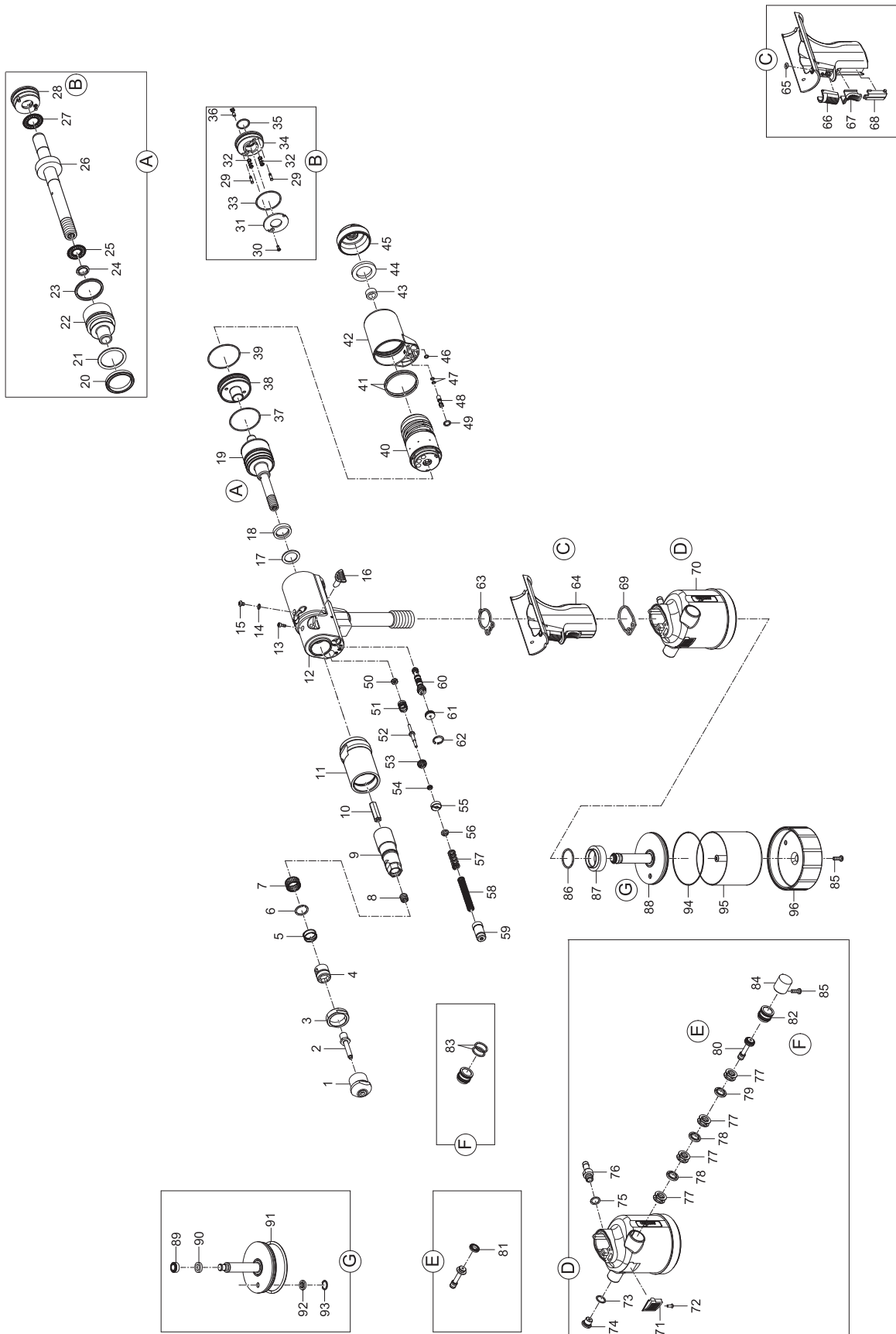


You will find detailed nosepiece allocation tables on page 242.  
You will find spare part kits for FireFox® 2 F on page 356.



# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 2 F L



# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 2 F L

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | 143 6218 | Nosepiece M3                                                                      |
|                                                                                   | 143 6219 | Nosepiece M 4                                                                     |
|                                                                                   | 143 6220 | Nosepiece M 5                                                                     |
|                                                                                   | 143 6221 | Nosepiece M 6                                                                     |
|                                                                                   | 143 6222 | Nosepiece M 8                                                                     |
|                                                                                   | 143 6223 | Nosepiece M 10                                                                    |
|                                                                                   | 143 6224 | Nosepiece M 12                                                                    |
| 2 •                                                                               | 143 6363 | Threaded mandrel M 3                                                              |
|                                                                                   | 143 6364 | Threaded mandrel M 4                                                              |
|                                                                                   | 143 6365 | Threaded mandrel M 5                                                              |
|                                                                                   | 143 6366 | Threaded mandrel M 6                                                              |
|                                                                                   | 143 6367 | Threaded mandrel M 8                                                              |
|                                                                                   | 143 6368 | Threaded mandrel M 10                                                             |
|                                                                                   | 143 6369 | Threaded mandrel M 12                                                             |
| 3                                                                                 | 143 6193 | Locking ring                                                                      |
| 4                                                                                 | 145 8123 | Slider                                                                            |
| 5                                                                                 | 143 6247 | Compression spring                                                                |
| 6                                                                                 | 144 6189 | Snap ring                                                                         |
| 7 •                                                                               | 144 6190 | Needle ring                                                                       |
| 8                                                                                 | 144 6187 | Stud bolt                                                                         |
| 9                                                                                 | 143 6179 | Driver                                                                            |
| 10                                                                                | 143 6201 | Hexagonal rod                                                                     |
| 11                                                                                | 143 6384 | Steel head sleeve                                                                 |
| 12                                                                                | 160 9547 | Tool head, assembled                                                              |
| 13                                                                                | 144 5427 | Allen screw                                                                       |
| 14                                                                                | 143 5612 | Sealing ring M4                                                                   |
| 15                                                                                | 144 6013 | Oil screw plug                                                                    |
| 16                                                                                | 144 6204 | Cap                                                                               |
| 17 •                                                                              | 143 6230 | Supporting ring                                                                   |
| 18 •                                                                              | 143 6234 | Rod seal                                                                          |
| 19                                                                                | 145 8126 | Draw bar, complete                                                                |
| 20 •                                                                              | 143 6227 | Piston seal                                                                       |
| 21 •                                                                              | 143 6229 | Supporting ring                                                                   |
| 22                                                                                | 143 6204 | Draw bar                                                                          |
| 23 •                                                                              | 143 6231 | Seal                                                                              |
| 24                                                                                | 143 5236 | Seal kit                                                                          |
| 25 •                                                                              | 144 6191 | Axial needle bearing                                                              |
| 26                                                                                | 143 6296 | Tie anchor complete                                                               |
| 27 •                                                                              | 144 5794 | Axial needle bearing                                                              |
| 28                                                                                | 145 8125 | Closure cover, complete                                                           |
| 29                                                                                | 143 6183 | Stud bolt                                                                         |
| 30                                                                                | 144 6188 | Screw                                                                             |
| 31                                                                                | 143 6205 | Stop disc                                                                         |
| 32                                                                                | 143 6293 | Spring                                                                            |
| 33 •                                                                              | 143 6238 | O-ring                                                                            |
| 34                                                                                | 143 6197 | Closure cover, complete                                                           |
| 35 •                                                                              | 143 6239 | O-ring                                                                            |
| 36 •                                                                              | 145 8124 | Valve key 4, complete                                                             |
| 37                                                                                | 143 6236 | O-ring                                                                            |
| 38                                                                                | 143 6198 | End cap                                                                           |
| 39                                                                                | 143 6237 | O-ring                                                                            |
| 40                                                                                | 143 6370 | Air motor complete                                                                |
| 41                                                                                | 143 6243 | O-ring                                                                            |

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 42                                                                                | 143 6170 | Adapter                                                                             |
| 43                                                                                | 143 6173 | Absorber disc 1                                                                     |
| 44                                                                                | 143 6174 | Absorber disc 2                                                                     |
| 45                                                                                | 143 6175 | Noise suppressor cover                                                              |
| 46                                                                                | 143 6242 | O-ring                                                                              |
| 47 •                                                                              | 143 6291 | O-ring                                                                              |
| 48                                                                                | 143 6292 | Valve key 5                                                                         |
| 49                                                                                | 143 5519 | O-ring                                                                              |
| 50 •                                                                              | 143 6233 | Rod seal                                                                            |
| 51 •                                                                              | 160 5656 | Bit                                                                                 |
| 52 •                                                                              | 160 5658 | Plunger                                                                             |
| 53                                                                                | 160 5657 | Sealing washer                                                                      |
| 54                                                                                | 160 5600 | Groove ring                                                                         |
| 55                                                                                | 160 5592 | Threaded ring                                                                       |
| 56                                                                                | 143 6178 | Bevel washer                                                                        |
| 57 •                                                                              | 144 6192 | Compression spring                                                                  |
| 58 •                                                                              | 143 6245 | Compression spring                                                                  |
| 59                                                                                | 145 1093 | Clamps                                                                              |
| 60 •                                                                              | 143 6297 | Distributing valve complete                                                         |
| 61                                                                                | 145 1053 | Stopper                                                                             |
| 62                                                                                | 144 5285 | Snap ring                                                                           |
| 63 •                                                                              | 143 5472 | Flat gasket 1                                                                       |
| 64                                                                                | 160 5659 | Grip, complete                                                                      |
| 65                                                                                | 143 6241 | O-ring                                                                              |
| 66                                                                                | 144 6025 | Activation button                                                                   |
| 67                                                                                | 143 5642 | Slider                                                                              |
| 68                                                                                | 143 6169 | Orifice                                                                             |
| 69 •                                                                              | 143 5480 | Flat gasket 2                                                                       |
| 70                                                                                | 165 0705 | Air cylinder, complete                                                              |
| 71                                                                                | 145 7862 | Silencer complete                                                                   |
| 72                                                                                | 144 6089 | Screw                                                                               |
| 73                                                                                | 143 5484 | O-ring                                                                              |
| 74                                                                                | 145 7750 | Pressure relief valve                                                               |
| 75                                                                                | 144 6030 | Sealing ring                                                                        |
| 76                                                                                | 143 5667 | Connecting nipple                                                                   |
| 77                                                                                | 143 5648 | Spacer cage                                                                         |
| 78                                                                                | 143 5647 | Airzet Rod seal                                                                     |
| 79                                                                                | 143 6248 | Washer                                                                              |
| 80                                                                                | 164 5508 | Control piston                                                                      |
| 81 •                                                                              | 143 5675 | Piston seal                                                                         |
| 82                                                                                | 145 7693 | Piston housing                                                                      |
| 83 •                                                                              | 143 5688 | O-ring                                                                              |
| 84                                                                                | 144 6075 | Stopper                                                                             |
| 85                                                                                | 144 5773 | Housing screw short                                                                 |
| 86                                                                                | 143 5486 | O-ring                                                                              |
| 87                                                                                | 143 5492 | Alu nut                                                                             |
| 88                                                                                | 145 8116 | Air piston complete                                                                 |
| 89 •                                                                              | 143 6226 | Piston seal                                                                         |
| 90 •                                                                              | 143 6235 | Guide ring                                                                          |
| 91 •                                                                              | 143 5834 | O-ring                                                                              |
| 92                                                                                | 143 5635 | Airzet Rod seal                                                                     |
| 93                                                                                | 144 6082 | V-ring JV15                                                                         |
| 94                                                                                | 143 5839 | O-ring                                                                              |
| 95                                                                                | 145 8114 | Cylinder complete                                                                   |
| 96                                                                                | 143 5805 | Bottom                                                                              |
|                                                                                   | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

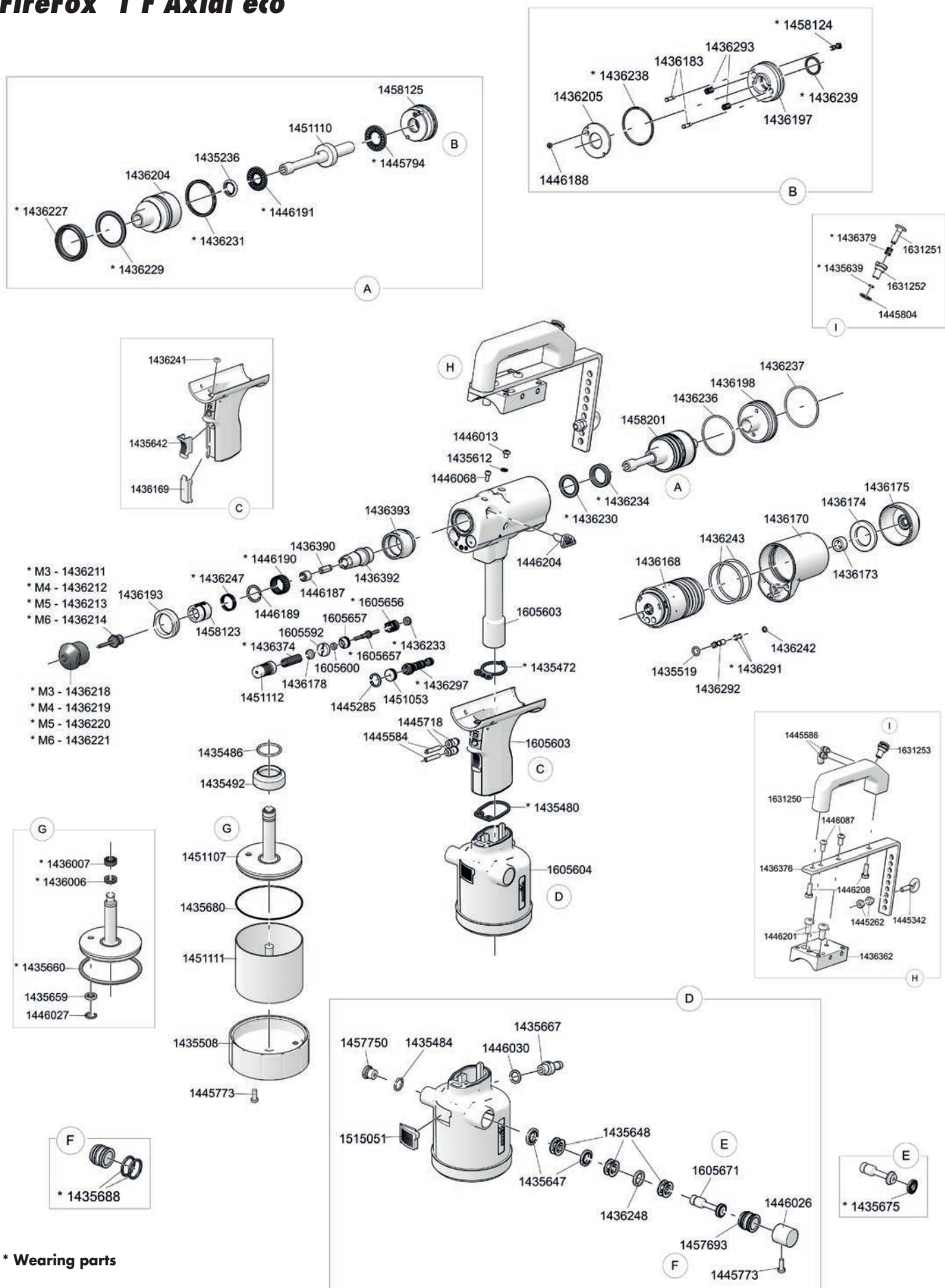
• Verschleißteile



You will find detailed nosepiece allocation tables on page 242.  
You will find spare part kits for FireFox® 2 F L on page 356.

# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 1 F Axial eco



# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 1 F Axial eco

| No.        |  |
|------------|-----------------------------------------------------------------------------------|
| 143 5236   | Sealing washer                                                                    |
| 143 5472*  | Flat gasket                                                                       |
| 143 5480*  | Flat gasket                                                                       |
| 143 5484   | O-ring                                                                            |
| 143 5486   | O-ring                                                                            |
| 143 5492   | Alu nut                                                                           |
| 143 5508   | Bottom                                                                            |
| 143 5519   | O-ring                                                                            |
| 143 5612   | Sealing ring                                                                      |
| 143 5639*  | O-ring                                                                            |
| 143 5642   | Slider                                                                            |
| 143 5647   | Airzet Rod seal                                                                   |
| 143 5648   | Spacer cage                                                                       |
| 143 5659   | Airzet Rod seal                                                                   |
| 143 5660*  | O-ring                                                                            |
| 143 5667   | Connecting nipple                                                                 |
| 143 5675*  | Piston seal                                                                       |
| 143 5680   | O-ring                                                                            |
| 143 5688*  | O-ring                                                                            |
| 143 6006 * | Guide ring                                                                        |
| 143 6007*  | Piston seal                                                                       |
| 143 6168   | Air motor complete                                                                |
| 143 6169   | Orifice                                                                           |
| 143 6170   | Adapter                                                                           |
| 143 6173   | Absorber disc                                                                     |
| 143 6174   | Absorber disc                                                                     |
| 143 6175   | Noise suppressor cover                                                            |
| 143 6178   | Bevel washer                                                                      |
| 143 6183   | Stud bolt                                                                         |
| 143 6193   | Locking ring                                                                      |
| 143 6197   | Closure cover, complete                                                           |
| 143 6198   | End cap                                                                           |
| 143 6204   | Draw bar                                                                          |
| 143 6205   | Stop disc                                                                         |
| 143 6211*  | Threaded mandrel M 3                                                              |
| 143 6212*  | Threaded mandrel M 4                                                              |
| 143 6213*  | Threaded mandrel M 5                                                              |
| 143 6214*  | Threaded mandrel M 6                                                              |
| 143 6218*  | Nosepiece M 3                                                                     |
| 143 6219*  | Nosepiece M 4                                                                     |
| 143 6220*  | Nosepiece M 5                                                                     |
| 143 6221*  | Nosepiece M 6                                                                     |
| 143 6227*  | Piston seal                                                                       |
| 143 6229*  | Supporting ring                                                                   |
| 143 6230*  | Supporting ring                                                                   |
| 143 6231*  | Ring seal                                                                         |
| 143 6233*  | Rod seal                                                                          |
| 143 6234*  | Rod seal                                                                          |
| 143 6236   | O-ring                                                                            |
| 143 6237   | O-ring                                                                            |
| 143 6238*  | O-ring                                                                            |
| 143 6239*  | O-ring                                                                            |
| 143 6241   | O-ring                                                                            |
| 143 6242   | O-ring                                                                            |
| 143 6243   | O-ring                                                                            |
| 143 6247*  | Compression spring                                                                |
| 143 6248   | Washer                                                                            |
| 143 6291*  | O-ring                                                                            |

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 6292  | Valve key                                                                         |
| 143 6293  | Compression spring                                                                |
| 143 6297* | Distributing valve                                                                |
| 143 6362  | Holder                                                                            |
| 143 6374* | Compression spring                                                                |
| 143 6376  | Hanger                                                                            |
| 143 6379* | Spring                                                                            |
| 143 6390  | Hexagonal rod                                                                     |
| 143 6392  | Driver                                                                            |
| 143 6393  | Steel head sleeve                                                                 |
| 144 5262  | Nut                                                                               |
| 144 5285  | Snap ring                                                                         |
| 144 5342  | Screw                                                                             |
| 144 5586  | Screw connection                                                                  |
| 144 5773  | PT screw                                                                          |
| 144 5794* | Axial needle bearing                                                              |
| 144 5804  | U washer                                                                          |
| 144 6013  | Oil screw plug                                                                    |
| 144 6026  | Stopper                                                                           |
| 144 6027  | Snap ring                                                                         |
| 144 6030  | Sealing ring                                                                      |
| 144 6068  | Allen screw                                                                       |
| 144 6087  | Fillister head screw                                                              |
| 144 6187  | Stud bolt                                                                         |
| 144 6188  | Countersunk screw                                                                 |
| 144 6189  | Snap ring                                                                         |
| 144 6190* | Needle ring                                                                       |
| 144 6191* | Axial needle bearing                                                              |
| 144 6201  | Allen screw                                                                       |
| 144 6204  | Venting cap                                                                       |
| 144 6208  | Hexagon head screw                                                                |
| 145 1053  | Stopper                                                                           |
| 145 1107  | Air piston                                                                        |
| 145 1110  | Tie anchor complete                                                               |
| 145 1111  | Cylinder                                                                          |
| 145 1112  | Spring compressor complete                                                        |
| 145 7693  | Piston housing                                                                    |
| 145 7750  | Pressure relief valve                                                             |
| 145 8123  | Slider                                                                            |
| 145 8124* | Valve key                                                                         |
| 145 8125  | Closure cover                                                                     |
| 145 8201  | Draw bar                                                                          |
| 151 5051  | Silencer                                                                          |
| 160 5592  | Threaded ring                                                                     |
| 160 5600  | Groove ring                                                                       |
| 160 5603  | Tool head                                                                         |
| 160 5604  | Air cylinder                                                                      |
| 160 5656  | Bit                                                                               |
| 160 5656* | Bit                                                                               |
| 160 5657* | Sealing washer                                                                    |
| 160 5658  | Plunger                                                                           |
| 160 5671  | Control piston                                                                    |
| 163 1250  | Grip                                                                              |
| 163 1251  | Valve                                                                             |
| 163 1252  | Valve seat                                                                        |
| 163 1253  | Valve                                                                             |

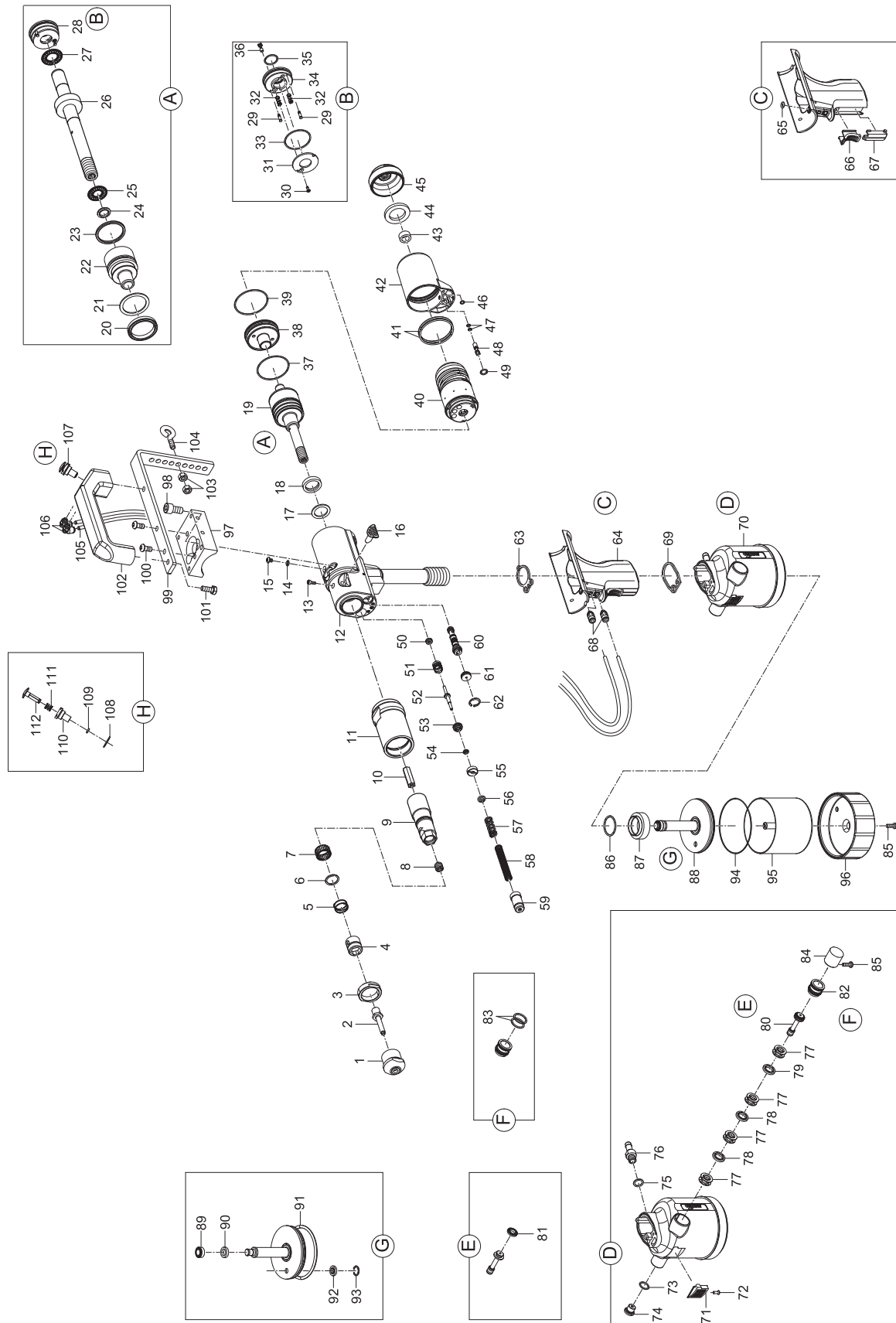
\* Wearing parts



You will find detailed nosepiece allocation tables on page 242.  
You will find spare part kits for FireFox® 1 F Axial eco on page 356.

# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 2 F Axial eco



# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## FireFox® 2 F Axial eco

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|
| 1 •                                                                               | 143 6221 | Nosepiece M 6                                                                     |
|                                                                                   | 143 6222 | Nosepiece M 8                                                                     |
|                                                                                   | 143 6223 | Nosepiece M 10                                                                    |
|                                                                                   | 143 6224 | Nosepiece M 12                                                                    |
| 2 •                                                                               | 143 6214 | Threaded mandrel M 6                                                              |
|                                                                                   | 143 6215 | Threaded mandrel M 8                                                              |
|                                                                                   | 143 6216 | Threaded mandrel M 10                                                             |
|                                                                                   | 143 6217 | Threaded mandrel M 12                                                             |
| 3                                                                                 | 143 6193 | Locking ring                                                                      |
| 4                                                                                 | 145 8123 | Slider complete                                                                   |
| 5                                                                                 | 143 6247 | Compression spring                                                                |
| 6                                                                                 | 144 6189 | Snap ring                                                                         |
| 7 •                                                                               | 144 6190 | Needle ring                                                                       |
| 8                                                                                 | 144 6187 | Stud bolt                                                                         |
| 9                                                                                 | 143 6179 | Driving pin                                                                       |
| 10                                                                                | 143 6201 | Hexagonal rod                                                                     |
| 11                                                                                | 143 6384 | Steel head sleeve                                                                 |
| 12                                                                                | 160 9547 | Tool head complete                                                                |
| 13                                                                                | 144 5427 | Allen screw                                                                       |
| 14                                                                                | 143 5612 | Sealing ring                                                                      |
| 15                                                                                | 144 6013 | Screw                                                                             |
| 16                                                                                | 144 6204 | Cap piece                                                                         |
| 17 •                                                                              | 143 6230 | Supporting ring                                                                   |
| 18 •                                                                              | 143 6234 | Rod seal                                                                          |
| 19                                                                                | 145 8126 | Draw bar complete                                                                 |
| 20 •                                                                              | 143 6227 | Piston seal                                                                       |
| 21 •                                                                              | 143 6229 | Supporting ring                                                                   |
| 22                                                                                | 143 6204 | Draw bar                                                                          |
| 23 •                                                                              | 143 6231 | Seal                                                                              |
| 24                                                                                | 143 5236 | Seal kit                                                                          |
| 25 •                                                                              | 144 6191 | Axial needle bearing                                                              |
| 26                                                                                | 143 6296 | Tie anchor                                                                        |
| 27 •                                                                              | 144 5794 | Axial needle bearing                                                              |
| 28                                                                                | 145 8125 | Closure                                                                           |
| 29                                                                                | 143 6183 | Stud bolt                                                                         |
| 30                                                                                | 144 6188 | Screw                                                                             |
| 31                                                                                | 143 6205 | Stop disc                                                                         |
| 32                                                                                | 143 6293 | Spring                                                                            |
| 33 •                                                                              | 143 6238 | O-ring                                                                            |
| 34                                                                                | 143 6197 | Closure                                                                           |
| 35 •                                                                              | 143 6239 | O-ring                                                                            |
| 36 •                                                                              | 145 8124 | Valve key                                                                         |
| 37                                                                                | 143 6236 | O-ring                                                                            |
| 38                                                                                | 143 6198 | End cap                                                                           |
| 39                                                                                | 143 6237 | O-ring                                                                            |
| 40                                                                                | 143 6168 | Air motor                                                                         |
| 41                                                                                | 143 6243 | O-ring                                                                            |
| 42                                                                                | 143 6170 | Adapter                                                                           |
| 43                                                                                | 143 6173 | Absorber disc 1                                                                   |
| 44                                                                                | 143 6174 | Absorber disc 2                                                                   |
| 45                                                                                | 143 6175 | Closure                                                                           |
| 46                                                                                | 143 6242 | O-ring                                                                            |
| 47 •                                                                              | 143 6291 | O-ring                                                                            |
| 48                                                                                | 143 6292 | Valve key                                                                         |
| 49                                                                                | 143 5519 | O-ring                                                                            |
| 50 •                                                                              | 143 6233 | Rod seal                                                                          |
| 51 •                                                                              | 160 5656 | Bit                                                                               |

|  | No.      |  |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 52 •                                                                              | 160 5658 | Plunger                                                                             |
| 53                                                                                | 160 5657 | Washer                                                                              |
| 54                                                                                | 160 5600 | Groove ring                                                                         |
| 55                                                                                | 160 5592 | Threaded ring                                                                       |
| 56                                                                                | 143 6178 | Washer                                                                              |
| 57 •                                                                              | 144 6192 | Compression spring                                                                  |
| 58 •                                                                              | 143 6245 | Compression spring                                                                  |
| 59                                                                                | 145 1093 | Spring compressor complete                                                          |
| 60 •                                                                              | 143 6297 | Distributing valve                                                                  |
| 61                                                                                | 145 1053 | Stopper                                                                             |
| 62                                                                                | 144 5285 | Snap ring                                                                           |
| 63 •                                                                              | 143 5472 | Flat gasket                                                                         |
| 64                                                                                | 160 5602 | Grip complete                                                                       |
| 65                                                                                | 143 6241 | O-ring                                                                              |
| 66                                                                                | 144 5718 | Screw connection                                                                    |
| 67                                                                                | 143 5642 | Slider                                                                              |
| 68                                                                                | 143 6169 | Orifice                                                                             |
| 69 •                                                                              | 143 5480 | Flat gasket                                                                         |
| 70                                                                                | 160 5706 | Air cylinder                                                                        |
| 71                                                                                | 143 5484 | O-ring                                                                              |
| 72                                                                                | 145 7750 | Pressure relief valve                                                               |
| 73                                                                                | 145 7862 | Silencer                                                                            |
| 74                                                                                | 144 6089 | Screw                                                                               |
| 75                                                                                | 145 5484 | O-ring                                                                              |
| 76                                                                                | 145 7750 | Pressure relief valve                                                               |
| 77                                                                                | 144 6030 | Sealing ring                                                                        |
| 78                                                                                | 143 5667 | Connecting nipple                                                                   |
| 79                                                                                | 143 5648 | Spacer cage                                                                         |
| 80                                                                                | 143 5647 | Rod seal                                                                            |
| 81                                                                                | 143 6248 | Washer                                                                              |
| 82                                                                                | 164 5508 | Control piston                                                                      |
| 83 •                                                                              | 143 5675 | Piston seal                                                                         |
| 84                                                                                | 145 7693 | Piston housing                                                                      |
| 85 •                                                                              | 143 5688 | O-ring                                                                              |
| 86                                                                                | 144 6075 | Stopper                                                                             |
| 87                                                                                | 144 5773 | Housing screw, short                                                                |
| 88                                                                                | 143 5486 | O-ring                                                                              |
| 89                                                                                | 143 5492 | Al nut                                                                              |
| 90 •                                                                              | 145 8116 | Air piston complete                                                                 |
| 91 •                                                                              | 143 6226 | Piston seal                                                                         |
| 92 •                                                                              | 143 6235 | Guide ring                                                                          |
| 93 •                                                                              | 143 5834 | O-ring                                                                              |
| 94                                                                                | 143 5635 | Airezt rod seal                                                                     |
| 95                                                                                | 144 6082 | Snap ring                                                                           |
| 96                                                                                | 143 5839 | O-ring                                                                              |
| 97                                                                                | 145 8114 | Cylinder                                                                            |
| 98                                                                                | 143 5761 | Bottom                                                                              |
| 99                                                                                | 143 6362 | Hanger                                                                              |
| 100                                                                               | 144 6201 | Cylinder head screw                                                                 |
| 101                                                                               | 143 6376 | Hanger                                                                              |
| 102                                                                               | 144 6087 | Fillister head screw                                                                |
| 103                                                                               | 144 6208 | Hexagon head screw                                                                  |
| 104                                                                               | 163 1250 | Grip                                                                                |
| 105                                                                               | 144 5262 | Nut                                                                                 |
| 106                                                                               | 144 5342 | Screw                                                                               |
| 107                                                                               | 144 5584 | Tube*                                                                               |
| 108                                                                               | 144 5586 | Screw connection                                                                    |
| 109                                                                               | 163 1253 | Valve complete                                                                      |
| 110                                                                               | 144 5804 | Washer                                                                              |
| 111                                                                               | 143 5639 | O-ring                                                                              |
| 112                                                                               | 163 1252 | Valve seat                                                                          |
| 113                                                                               | 143 6379 | Spring                                                                              |
| 114                                                                               | 163 1251 | Valve                                                                               |
|                                                                                   | 144 5294 | Hydraulic oil refill bottle, 100 ml                                                 |

• Wearing parts

\* The length required must always be specified on the order;  
the article numbers always refers to the price per metre.



You will find detailed nosepiece allocation tables on page 242.  
You will find spare part kits for FireFox® 2 F Axial eco on page 356.



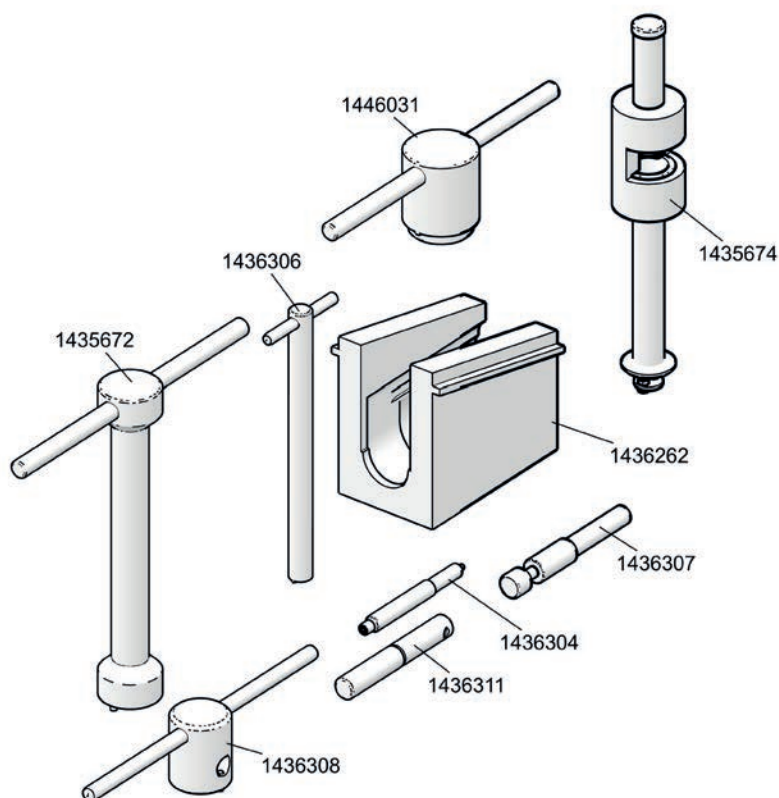
# HYDRO-PNEUMATIC BLIND RIVET NUT SETTING TOOLS

## ***Repair tools for FireFox®***

**Article no. 145 8130**

| No.       |  |
|-----------|-----------------------------------------------------------------------------------|
| 143 5672* | Allen key                                                                         |
| 143 5674* | Slot wrench                                                                       |
| 143 6262  | Insertion tool for seal                                                           |
| 143 6304  | Extraction tool                                                                   |
| 143 6306  | Allen key for end cap                                                             |
| 143 6307  | Assembly device                                                                   |
| 143 6308  | Clamp element for FireFox tool head                                               |
| 143 6311  | Insertion tool for bit                                                            |
| 144 6031* | Turning tool for threaded ring                                                    |

\*These tools are also suitable for TAURUS® 1 - 4



# SPARE PART KITS

The spare part kits contain carefully composed sets with exactly the parts that you need for your maintenance or repair.

## TAURUS® 1-4

**Spare part kit: 145 7720 - Grip seal set for TAURUS® 1-4**

| Spare part no. | Article no. | Designation   |
|----------------|-------------|---------------|
| 36             | 143 5472    | Flat gasket 1 |
| 42             | 143 5480    | Flat gasket 2 |
| 59             | 143 5486    | O-ring        |

**Spare part kit: 145 7721 - Lock activator seal set for TAURUS® 1-4**

| Spare part no. | Article no. | Designation     |
|----------------|-------------|-----------------|
| 19             | 143 5632    | Piston seal     |
| 20             | 143 5488    | Supporting ring |
| 21             | 143 5485    | Piston seal     |

## TAURUS® 2-4

**Spare part kit: 145 7853 - Mandrel retainer set for TAURUS® 2-4**

| Spare part no. | Article no. | Designation              |
|----------------|-------------|--------------------------|
| 30             | 144 6028    | Retaining spring         |
| 31             | 143 5664    | Retainer                 |
| 32             | 143 5663    | Adapter                  |
| 33             | 143 5842    | Lock washer              |
| 34             | 143 5766    | Connecting piece nut 2/3 |

**Spare part kit: 145 7723 - Control piston seal set for TAURUS® 2-4**

| Spare part no. | Article no. | Designation      |
|----------------|-------------|------------------|
| 51             | 143 5648    | Spacer cage (4x) |
| 52             | 143 5647    | Rod seal (3x)    |
| 53             | 145 7694    | Control piston   |
| 54             | 143 5675    | Piston seal      |
| 55             | 145 7693    | Piston housing   |
| 56             | 143 5688    | O-ring (2x)      |

## TAURUS® 1

**Spare part kit: 145 7719 - Air piston seal set for TAURUS® 1**

| Spare part no. | Article no. | Designation  |
|----------------|-------------|--------------|
| 62             | 143 5658    | Piston seal  |
| 63             | 143 5657    | Guide ring 1 |
| 64             | 143 5656    | Piston seal  |
| 65             | 143 5660    | O-ring       |
| 66             | 143 5659    | Rod seal     |
| 67             | 144 6027    | Snap ring    |
| 68             | 143 5680    | O-ring       |

**Spare part kit: 145 7722 - Control piston seal set for TAURUS® 1**

| Spare part no. | Article no. | Designation      |
|----------------|-------------|------------------|
| 51             | 143 5648    | Spacer cage (3x) |
| 52             | 143 5647    | Rod seal (3x)    |
| 53             | 145 7694    | Control piston   |
| 54             | 143 5675    | Piston seal      |
| 55             | 145 7693    | Piston housing   |
| 56             | 143 5688    | O-ring (2x)      |

**Spare part kit: 145 7724 - Mandrel retainer set for TAURUS® 1**

| Spare part no. | Article no. | Designation            |
|----------------|-------------|------------------------|
| 30             | 144 6028    | Retaining spring       |
| 31             | 143 5664    | Retainer               |
| 32             | 143 5663    | Adapter                |
| 33             | 143 5842    | Lock washer            |
| 34             | 143 5849    | Connecting piece nut 1 |

## TAURUS® 2

**Spare part kit: 145 7852 - Air piston seal set for TAURUS® 2**

| Spare part no. | Article no. | Designation    |
|----------------|-------------|----------------|
| 25             | 143 5635    | Rod seal       |
| 62             | 143 5841    | Piston seal    |
| 63             | 143 5825    | Guide ring 2   |
| 64             | 143 5670    | Piston seal    |
| 65             | 143 5834    | O-ring         |
| 67             | 144 6082    | V-profile ring |
| 68             | 143 5839    | O-ring         |

# SPARE PART KITS

## TAURUS® 3

| Spare part kit: 145 7924 - Air piston seal set for TAURUS® 3 |             |                |
|--------------------------------------------------------------|-------------|----------------|
| Spare part no.                                               | Article no. | Designation    |
| 25                                                           | 143 5635    | Rod seal       |
| 62                                                           | 143 5841    | Piston seal    |
| 63                                                           | 143 5825    | Guide ring 2   |
| 64                                                           | 143 5670    | Piston seal    |
| 65                                                           | 143 5937    | O-ring         |
| 67                                                           | 144 6082    | V-profile ring |
| 68                                                           | 143 5927    | O-ring         |

## TAURUS® 4

| Spare part kit: 145 8000 - Seal set Air piston TAURUS® 4 |             |                |
|----------------------------------------------------------|-------------|----------------|
| Spare part no.                                           | Article no. | Designation    |
| 25                                                       | 143 5635    | Rod seal       |
| 54                                                       | 143 5675    | Piston seal    |
| 62                                                       | 143 6007    | Piston seal    |
| 63                                                       | 143 6006    | Guide ring 4   |
| 64                                                       | 143 5937    | O-ring         |
| 67                                                       | 144 6082    | V-profile ring |
| 68                                                       | 143 5927    | O-ring         |

## PH 1/PH 2

| Spare part kit: 145 6778 - K seal set PH1/PH2 |             |             |
|-----------------------------------------------|-------------|-------------|
| Spare part no.                                | Article no. | Designation |
| 10 •                                          | 143 4323    | K seal      |
| 13 •                                          | 143 4324    | K seal      |
| 15 •                                          | 143 4326    | K seal      |

## FireFox® 1 F, 2, 2 F

| Spare part kit: 145 8202 - Air piston seal set for FireFox® 1F |             |              |
|----------------------------------------------------------------|-------------|--------------|
| Spare part no.                                                 | Article no. | Designation  |
| 87                                                             | 143 6007    | Piston seal  |
| 92                                                             | 143 5680    | O-ring       |
| 88                                                             | 143 6006    | Guide ring 4 |
| 89                                                             | 143 5660    | O-ring       |
| 91                                                             | 144 6027    | Snap ring    |
| 90                                                             | 143 5659    | Rod seal     |

| Spare part kit: 145 8179 - Distributing valve complete for FireFox® 1 F, 2, 2 F |            |              |             |                             |
|---------------------------------------------------------------------------------|------------|--------------|-------------|-----------------------------|
| Spare part no.                                                                  |            |              | Article no. | Designation                 |
| FireFox® 1 F                                                                    | FireFox® 2 | FireFox® 2 F |             |                             |
| 59                                                                              | 62         | 60           | 143 6297    | Distributing valve complete |
| 61                                                                              | 64         | 62           | 144 5285    | Snap ring                   |
| 60                                                                              | 63         | 61           | 145 1053    | Stopper complete            |

| Spare part kit: 145 7720 - Grip seal set for FireFox® 1 F, 2, 2 F |            |              |             |               |
|-------------------------------------------------------------------|------------|--------------|-------------|---------------|
| Spare part no.                                                    |            |              | Article no. | Designation   |
| FireFox® 1F                                                       | FireFox® 2 | FireFox® 2 F |             |               |
| 62                                                                | 65         | 63           | 143 5472    | Flat gasket 1 |
| 68                                                                | 71         | 69           | 143 5480    | Flat gasket 2 |
| 84                                                                | 88         | 86           | 143 5486    | O-ring        |

| Spare part kit: 145 8180 - Air piston seal set for FireFox® 2 - 2 F |              |             |                 |
|---------------------------------------------------------------------|--------------|-------------|-----------------|
| Spare part no.                                                      |              | Article no. | Designation     |
| FireFox® 2                                                          | FireFox® 2 F |             |                 |
| 91                                                                  | 89           | 143 6226    | Piston seal     |
| 96                                                                  | 94           | 143 5839    | O-ring          |
| 92                                                                  | 90           | 143 6235    | Guide ring      |
| 93                                                                  | 91           | 143 5834    | O-ring          |
| 95                                                                  | 93           | 144 6082    | V-profile ring  |
| 94                                                                  | 92           | 143 5635    | Airzet Rod seal |

# SPARE PART KITS

## **AccuBird®**

**Spare part kit 160 3642 - Wearing parts set AccuBird®**

| Article no. | Designation        |
|-------------|--------------------|
| 143 4958    | Jaws               |
| 143 4959    | Jaw Pusher         |
| 144 5314    | Compression spring |

## **AccuBird® Pro**

**Spare part kit 160 3644 - Wearing parts set AccuBird® Pro**

| Article no. | Designation        |
|-------------|--------------------|
| 143 5568    | Jaws               |
| 143 5448    | Jaw Pusher         |
| 143 5412    | Compression spring |

## **PowerBird®**

**Spare part kit 160 3643 - Wearing parts set PowerBird®**

| Article no. | Designation        |
|-------------|--------------------|
| 143 4104    | Jaws               |
| 143 4861    | Jaw Pusher         |
| 144 5747    | Compression spring |

## **PowerBird® Pro**

**Spare part kit 160 3645 - Wearing parts set PowerBird® Pro**

| Article no. | Designation        |
|-------------|--------------------|
| 143 5568    | Jaws               |
| 143 5384    | Jaw Pusher         |
| 143 5412    | Compression spring |

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The applicable terms and conditions of guarantee shall apply and can be viewed under following link:  
[www.gesipa.com/agb](http://www.gesipa.com/agb)

Damages resulting from natural wear and tear, overloading, use of unsuitable batteries or inexperienced handling will be excluded from the guarantee. Damages resulting from material or manufacturing faults will be repaired or replaced free of charge. Claims can only be accepted if the complete riveting tool is returned to the distributor or GESIPA®.

## A

|                                       |              |
|---------------------------------------|--------------|
| A2 stainless steel blind rivets ..... | 29           |
| A4 stainless steel blind rivets ..... | 31           |
| AccuBird® .....                       | 90, 260      |
| AccuBird® Pro .....                   | 76, 264, 266 |
| Alu/Alu blind rivets .....            | 25           |
| Alu/Nirosta blind rivets .....        | 23           |
| Alu/steel blind rivets .....          | 20           |
| Assembly cell .....                   | 148, 149     |

## B

|                                                          |         |
|----------------------------------------------------------|---------|
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