

# ***Blind riveting tools***

## ***Spare parts price list 2011***

*effective 1st October 2011*





Founded in 1955 by Dr. Hans-Georg Biermann and his wife Ibeth Biermann, GESIPA Blindniettechnik GmbH has developed into a leading international company for blind rivet technology. The high quality and reliability of GESIPA® fasteners and the innovative, high-quality setting tools have made GESIPA® a valued partner to the trade and industry worldwide.

Family-owned up to the end of 2008, GESIPA Blindniettechnik GmbH is now part of the international group SFS intec AG, and as such well prepared to meet the future challenges imposed by its partners in trade and industry with new ideas and solutions.

As one of the last companies producing fastener technology in the UK, GESIPA® remains absolutely loyal to the specialist trade. The external sales force provides expert advice on all questions relating to blind rivet technology, while the internal sales and despatch personnel guarantee smooth working processes and fast, reliable delivery.

The Technical Sales team advises and looks after the demanding requirements of national and international industry customers. The technically and economically optimum solutions are developed together with developers, production planners and quality specialists.

Two of the largest industrial customer groups of GESIPA® are the automotive industry and automotive sub suppliers, which both place stringent demands on reliable and economic fastening solutions.



The readiness for innovation and creativity of all employees contribute to long-term customer satisfaction and partnership cooperation, in order to consolidate and extend the market leadership of GESIPA Blind Rivets. In the product group of setting tools, decisive market leadership is ensured by forward-looking products such as the battery-powered blind riveting tools, the GAV riveting machines, the TAURUS series and the newly-developed FireFox® blind rivet nut setting tool.

Innovative fasteners such as PolyGrip®, the G-Bulb® structural rivet, the BulbTite® blind rivet, Rivet Nuts and Studs originally developed for industry and the construction sector, also demonstrate their advantages consistently in other markets.



Reliability and consistent performance, demonstrated millions of times, is achieved by GESIPA® through its vast experience in production, gained over many years, and a quality concept which is unique in the sector.

Highly qualified employees, the best production machines and the in-production quality organisation guarantee fulfilment of even the most demanding customer requirements. In addition to the checking of dimensions, tolerances and quality of the raw materials, finished products are also submitted to extensive functional checks before they leave the works.

Gesipa® UK Production meets the quality accreditations ISO 9001: 2008, ISO 14001: 2004 and ISO/TS 16949: 2009 which gives manufacturers worldwide the confidence to specify Gesipa® products into their applications.



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We reserve the right of amending the present price-list without prior notice.

We accept no liability for mistakes and printing errors.

VAT will be invoiced where applicable.  
Prices ex-works, excluding packaging.

NEW: For all tools purchased from 1st June 2011 the guarantee period is extended from 12 to 24 months. This does not apply to batteries.



# Hand riveting tools

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

| Part N° | Article-N°        | Description                            |
|---------|-------------------|--|
| 1       | <b>705 2014</b>   | Body with grip No. 15                  |
| 1 F     | <b>705 4017</b>   | Body with grip No. 15                  |
| 2       | <b>705 2022</b>   | Handle with grip No. 16                |
| 2 F     | <b>705 4025</b>   | Handle with grip No. 16                |
| 4       | <b>705 2049</b>   | Jaw housing                            |
| 5       | • <b>705 2057</b> | Jaws (2-parts) per pair                |
| 6       | • <b>705 2065</b> | Jaw pusher                             |
| 7       | • <b>705 2073</b> | Jaw pusher spring                      |
| 7 F     | • <b>705 4076</b> | Jaw pusher spring                      |
| 8       | <b>705 2081</b>   | Cap screw                              |
| 9       | <b>705 2103</b>   | Lever                                  |
| 10/18   | <b>705 1182</b>   | Nosepiece 10/18                        |
| 10/24   | <b>705 1247</b>   | Nosepiece 10/24                        |
| 10/27   | <b>705 1271</b>   | Nosepiece 10/27                        |
| 10/32   | <b>705 1328</b>   | Nosepiece 10/32                        |
| *       |                   | additional nosepieces see page 18 – 21 |
| 12      | <b>705 2111</b>   | Pivot pin                              |
| 13      | <b>705 2138</b>   | Fulcrum pin                            |
| 14      | <b>705 2146</b>   | Snap ring                              |
| 15      | <b>705 2154</b>   | Grip for body No. 1                    |
| 16      | <b>705 2162</b>   | Grip for handle No. 2                  |
| 17      | <b>705 2170</b>   | Maintenance wrench – 10 mm             |
| 20 F    | • <b>705 4203</b> | Opening spring                         |
| 21 F    | <b>705 4211</b>   | Tie strap                              |

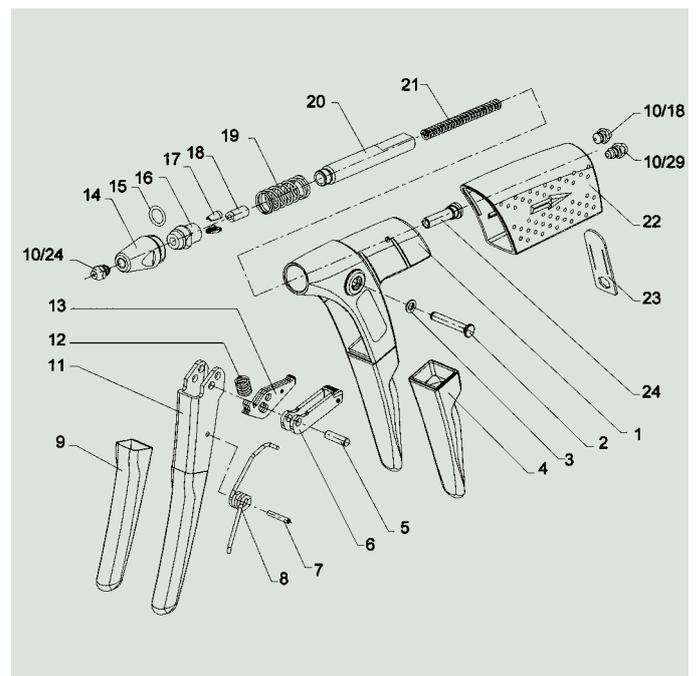
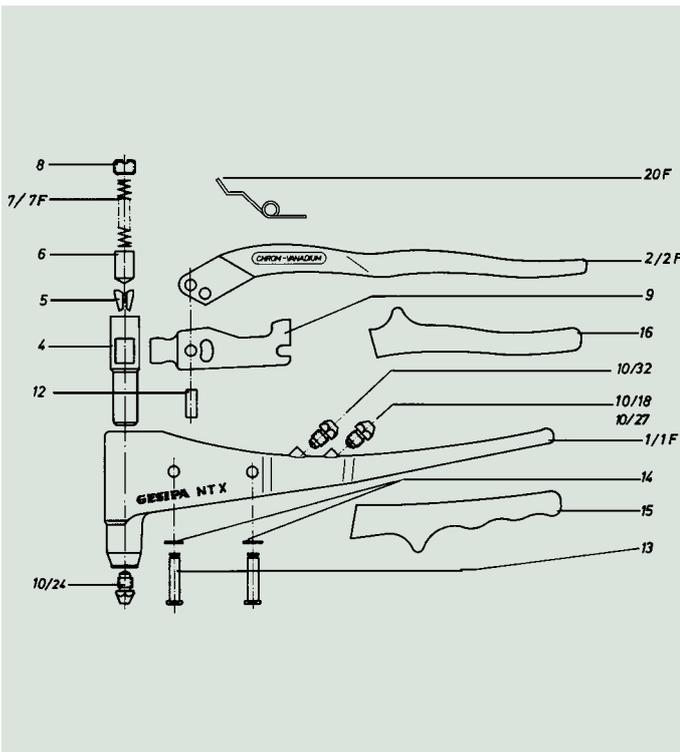
• wearing parts

## Flipper

| Part N° | Article-N°      | Description                   |
|---------|-----------------|-------------------------------|
| 1       | <b>701 2012</b> | Body with grip                |
| 2       | <b>701 2055</b> | Pivot pin                     |
| 3       | <b>701 2063</b> | Snap ring                     |
| 4       | <b>701 2020</b> | Grip for body                 |
| 5       | <b>701 2187</b> | Fulcrum pin                   |
| 6       | <b>701 2160</b> | Traction arm                  |
| 7       | <b>701 2217</b> | Spring retaining pin          |
| 8       | <b>701 2195</b> | Opening spring                |
| 9       | <b>701 2152</b> | Grip for operating lever      |
| 10/18   | <b>705 1182</b> | Nosepiece                     |
| 10/24   | <b>705 1247</b> | Nosepiece                     |
| 10/29   | <b>705 1298</b> | Nosepiece                     |
| 11      | <b>701 2144</b> | Operating lever with grip     |
| 12      | <b>701 2209</b> | Locking spring                |
| 13      | <b>701 2179</b> | Locking arm (3-parts) per set |
| 14      | <b>701 2039</b> | Head                          |
| 15      | <b>701 2241</b> | O-ring for jaw housing no. 16 |
| 16      | <b>701 2098</b> | Jaw housing with O-ring       |
| 17      | <b>705 2057</b> | Jaws (2-parts) per pair       |
| 18      | <b>701 2101</b> | Jaw pusher                    |
| 19      | <b>701 2136</b> | Reset spring                  |
| 20      | <b>701 2071</b> | Traction rod                  |
| 21      | <b>701 2128</b> | Jaw pusher spring             |
| 22      | <b>701 2225</b> | Spent mandrel container       |
| 23      | <b>701 2233</b> | Wrench SW 10                  |
| 24      | <b>701 2047</b> | Cap screw                     |

### Conversion kit for plastic blind rivets

|         |                 |                         |
|---------|-----------------|-------------------------|
| 10/30 K | <b>705 3304</b> | Nosepiece               |
| 10/35 K | <b>705 3355</b> | Nosepiece               |
| 10/40 K | <b>705 3401</b> | Nosepiece               |
| 17 K    | <b>705 3053</b> | Jaws (2-parts) per pair |
| 18 K    | <b>701 2985</b> | Jaw pusher              |
| 24 K    | <b>701 2993</b> | Cap screw               |
|         | <b>701 3000</b> | Conversion kit complete |

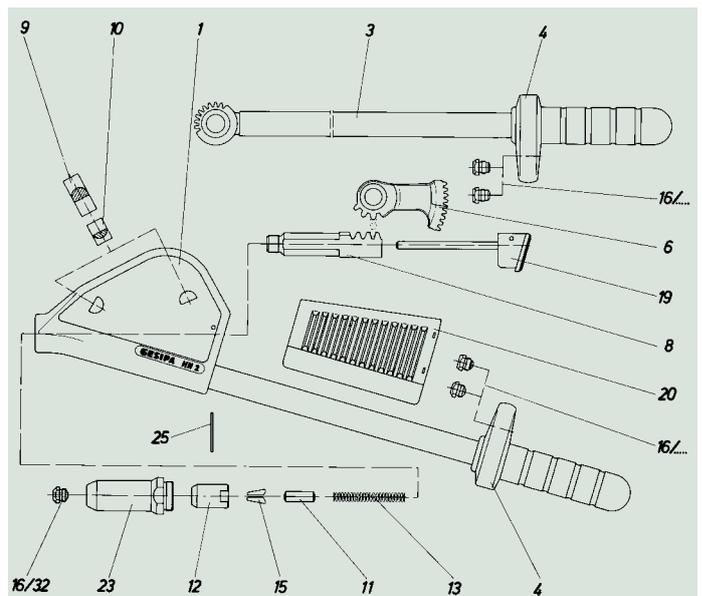


# Lever riveting tools

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

| Spare part N°. | Article- N°.      | Description                                    |
|----------------|-------------------|--|
| 1              | <b>713 2018</b>   | Tool housing with lever and grip               |
| 3              | <b>713 2034</b>   | Operating lever with driving gear a. grip No.4 |
| 4              | <b>713 2042</b>   | Grip   |
| 6              | <b>713 2069</b>   | Gear section                                   |
| 8              | <b>713 2085</b>   | Gear rack                                      |
| 9              | <b>713 2093</b>   | Pivot bolt                                     |
| 10             | <b>713 2107</b>   | Bolt locking                                   |
| 11             | <b>712 2128</b>   | Jaw pusher                                     |
| 12             | • <b>713 2123</b> | Jaw housing                                    |
| 13             | • <b>713 2131</b> | Jaw pusher spring                              |
| 15             | • <b>710 2151</b> | Jaws (3-parts)                                 |
| 16/29          | <b>717 1293</b>   | Nosepiece 16/29                                |
| 16/32          | <b>717 1323</b>   | Nosepiece 16/32                                |
| 16/36          | <b>717 1366</b>   | Nosepiece 16/36                                |
| 16/40          | <b>717 1390</b>   | Nosepiece 16/40                                |
| 16/45          | <b>717 1455</b>   | Nosepiece 16/45                                |
| *              |                   | additional nosepieces see page 18 – 21         |
| 19             | <b>713 2190</b>   | End block with guiding tube                    |
| 20             | <b>713 2204</b>   | Spent mandrel container                        |
| 23             | <b>710 2216</b>   | Head   |
| 25             | <b>713 2255</b>   | Pin  |
| 176            | <b>717 1773</b>   | Universal maintenance wrench MSU               |
| 30             | <b>713 2263</b>   | Conversion set for Bulb-tite®                  |
| 16/26BT        | <b>717 1471</b>   | Nosepiece for 4 Ø Bulb-tite®-Rivets            |
| 16/32BT        | <b>717 1498</b>   | Nosepiece for 5,2 Ø Bulb-tite®-Rivets          |
| 16/42BT        | <b>717 1501</b>   | Nosepiece for 6,3 Ø Bulb-tite®-Rivets          |
| 16/31MG        | <b>717 9669</b>   | Nosepiece for 4,8 Ø MEGAGRIP®-Rivets           |
| 16/41MG        | <b>717 9677</b>   | Nosepiece for 6,4 Ø MEGAGRIP®-Rivets           |
| 106/14         | <b>716 1026</b>   | Jaws (3-parts) for BT and MG-Rivets            |

• Wearing parts

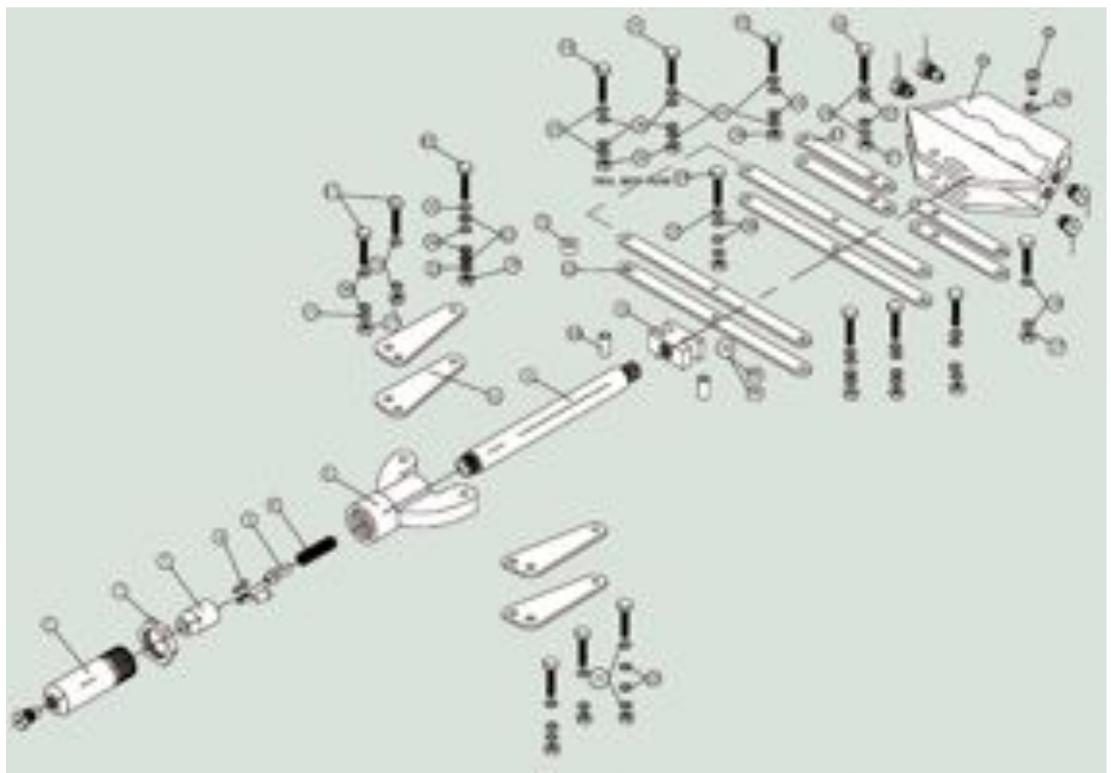


# Lazy tongue tool SN 2

as from Mai 2010

| Part N° | Article-N°        | Description            |
|---------|-------------------|------------------------|
| 1       | <b>712 2358</b>   | Body                   |
| 2       | <b>712 2359</b>   | Head                   |
| 3       | <b>712 2360</b>   | Jaw housing            |
| 4       | • <b>725 1613</b> | Jaws (3 parts)         |
| 5       | • <b>712 2361</b> | Jaw pusher             |
| 6       | • <b>712 2362</b> | Jaw pusher spring      |
| 7       | <b>712 2363</b>   | Lock nut               |
| 8       | <b>712 2364</b>   | Traction sleeve        |
| 9       | <b>712 2365</b>   | Traction sleeve holder |
| 10      | <b>712 2366</b>   | Sleeve, long           |
| 11      | <b>712 2367</b>   | Arm                    |
| 12      | <b>712 2368</b>   | Lattice segment, long  |
| 13      | <b>712 2369</b>   | Lattice segment, short |
| 14      | <b>712 2370</b>   | Handle                 |
| 15      | <b>712 2371</b>   | Pin                    |
| 16      | <b>712 2372</b>   | Screw M6 x 37          |
| 17      | <b>712 2373</b>   | Screw M6 x 29          |
| 18      | <b>712 2374</b>   | Screw M5 x 29          |
| 19      | <b>712 2375</b>   | Screw M5 x 20,5        |
| 20      | <b>712 2376</b>   | Outer sleeve           |
| 21      | <b>712 2377</b>   | Inner sleeve           |
| 22      | <b>712 2378</b>   | Washer 6 x 1,8         |
| 23      | <b>712 2379</b>   | Washer 5 x 1,8         |
| 24      | <b>712 2380</b>   | Washer 6 x 12 x 1,0    |
| 25      | <b>712 2381</b>   | Washer 5 x 0,9         |
| 26      | <b>712 2382</b>   | Washer 5 x 0,5         |
| 27      | <b>712 2383</b>   | Nut M6                 |
| 28      | <b>712 2384</b>   | Snap ring              |
| 29      | <b>712 2385</b>   | Nut M5                 |
| 30      | <b>712 2386</b>   | Washer 6 x 9 x 0,7     |
| 31      | <b>712 2387</b>   | Washer 6 x 0,5         |
| 32      | <b>725 1583</b>   | 17/24 Nosepiece        |
| 33      | <b>725 2040</b>   | 17/27 Nosepiece        |
| 34      | <b>725 2059</b>   | 17/29 Nosepiece        |
| 35      | <b>725 2067</b>   | 17/32 Nosepiece        |
| 36      | <b>725 2083</b>   | 17/36 Nosepiece        |
| 37      | <b>725 2560</b>   | 17/40 Nosepiece        |
| 38      | <b>724 3065</b>   | 17/45 Nosepiece        |

• Wearing parts



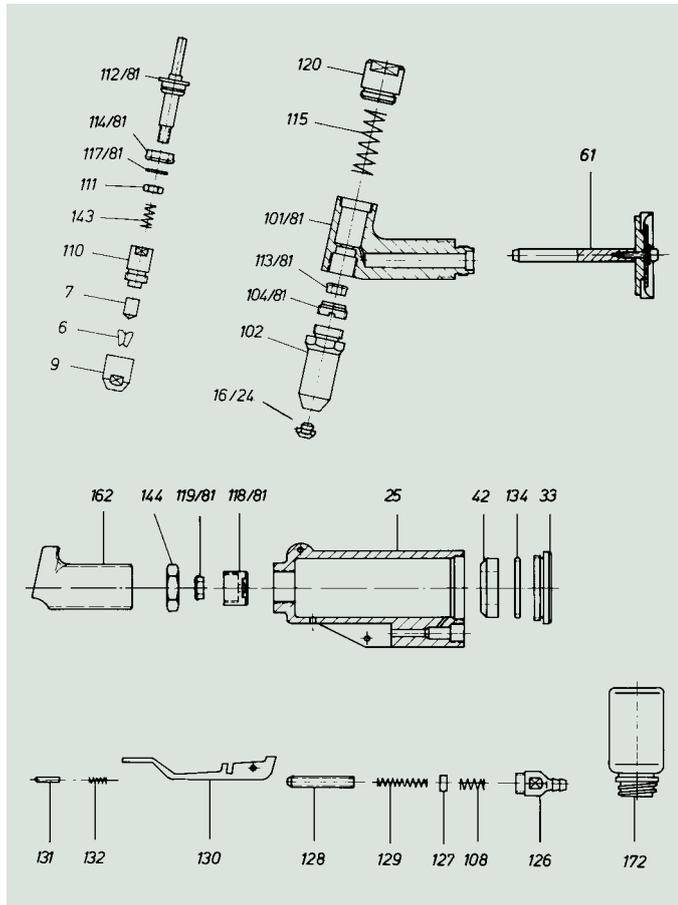
# Power riveting tools PH 1 and PH 2

| Part N°  | Article-N°        | Description   |
|----------|-------------------|---|
| 101/81   | <b>717 2028</b>   | Hydraulic section   |
| 102      | <b>710 2216</b>   | Head  |
| 104/81 • | <b>717 2044</b>   | Plunger guide with scrapper ring  |
| 16/18    | <b>717 1196</b>   | Nosepiece PH 1 16/18  |
| 16/24    | <b>717 1234</b>   | Nosepiece 16/24   |
| 16/27    | <b>717 1277</b>   | Nosepiece 16/27   |
| 16/29    | <b>717 1293</b>   | Nosepiece 16/29   |
| 16/32    | <b>717 1323</b>   | Nosepiece PH 2 16/32  |
| 16/36    | <b>717 1366</b>   | Nosepiece PH 2 16/36  |
| *        |                   | additional nosepieces see page 18 – 21  |
| 6        | • <b>705 2057</b> | Jaws (2-parts) per pair PH 1  |
| 6 a      | • <b>716 1069</b> | Jaws (2-parts) per pair especially toothed for small rivet diameters (2,4; 3 and 3,2 all materials) |
| 106      | • <b>710 2151</b> | Jaws (3-parts) per set PH 2   |
| 7        | • <b>716 2073</b> | Jaw pusher PH 1   |
| 107      | • <b>717 2079</b> | Jaw pusher PH 2   |
| 108      | • <b>717 2087</b> | Pressure spring   |
| 9        | • <b>716 2103</b> | Jaw housing PH 1  |
| 109      | • <b>710 2127</b> | Jaw housing PH 2  |
| 110      | <b>717 2109</b>   | Jaw housing coupler   |
| 111      | <b>717 2117</b>   | Nut   |
| 112/81   | <b>717 2125</b>   | Hydraulic plunger   |
| 113/81 • | <b>717 2133</b>   | K-seal  |
| 114/81 • | <b>717 2141</b>   | K-seal  |
| 115      | • <b>717 2168</b> | Return spring   |
| 117/81   | <b>717 2176</b>   | Circlip   |
| 118/81   | <b>717 2184</b>   | Hydraulic rod guide   |
| 119/81 • | <b>717 2192</b>   | K-seal  |
| 120      | <b>717 2206</b>   | Screw plug  |
| 25       | <b>716 2111</b>   | Air cylinder body PH 1  |

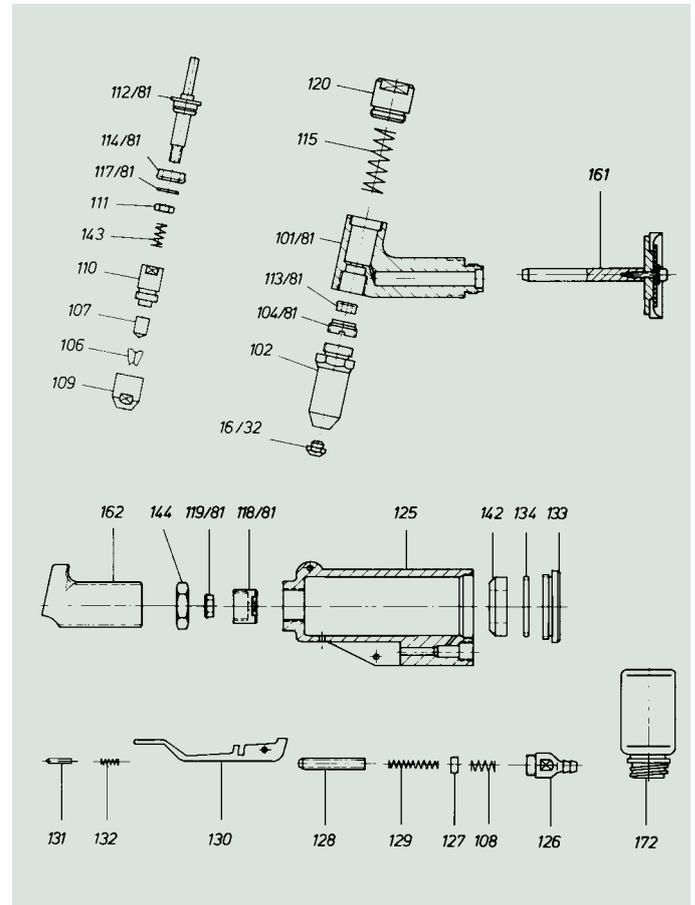
| Part N° | Article-N°        | Description   |
|---------|-------------------|---|
| 125     | <b>717 2257</b>   | Air cylinder body PH 2  |
| 126     | <b>717 2265</b>   | Hose fitting with gasket  |
| 127     | • <b>717 2273</b> | Valve plate   |
| 128     | <b>717 2281</b>   | Valve tube  |
| 129     | <b>717 2303</b>   | Valve spring  |
| 130     | <b>717 2311</b>   | Trigger arm   |
| 131     | <b>717 2338</b>   | Trigger roll pin  |
| 132     | <b>717 2346</b>   | Trigger spring  |
| 33      | <b>716 2332</b>   | Cylinder cap PH 1   |
| 133     | <b>717 2354</b>   | Cylinder cap PH 2   |
| 134     | • <b>717 2362</b> | O-ring seal   |
| 42      | <b>716 2421</b>   | Damping ring PH 1   |
| 142     | <b>717 2427</b>   | Damping ring PH 2   |
| 143     | • <b>717 9693</b> | Jaw pusher spring   |
| 144     | <b>717 2449</b>   | Lock nut  |
| 61      | <b>716 2618</b>   | Air plunger assembly PH 1   |
| 161     | <b>717 2613</b>   | Air plunger assembly PH 2   |
| 162     | <b>717 2621</b>   | Grip  |
| 165     | <b>717 2656</b>   | Tool head assembly (101/81, 104/81, 112/81, 113/81, 114/81, 117/81, 118/81, 119/81) |
| 70      | <b>728 4705</b>   | Jaw pusher with reducing tube for small rivet mandrels up to 2,3 mm                 |
| 170     | <b>728 5701</b>   | Jaw pusher with reducing tube for small rivet mandrels up to 2,3 mm                 |
| 172     | <b>717 1722</b>   | Spent mandrel bottle  |
| 175     | <b>717 1757</b>   | Hydraulic oil (1 bottle) 250 cm3  |
| 176     | <b>717 1773</b>   | Universal maintenance wrench MSU  |
| *       |                   | Special accessories see pages 16 and 17   |

• Wearing parts

## PH 1



## PH 2

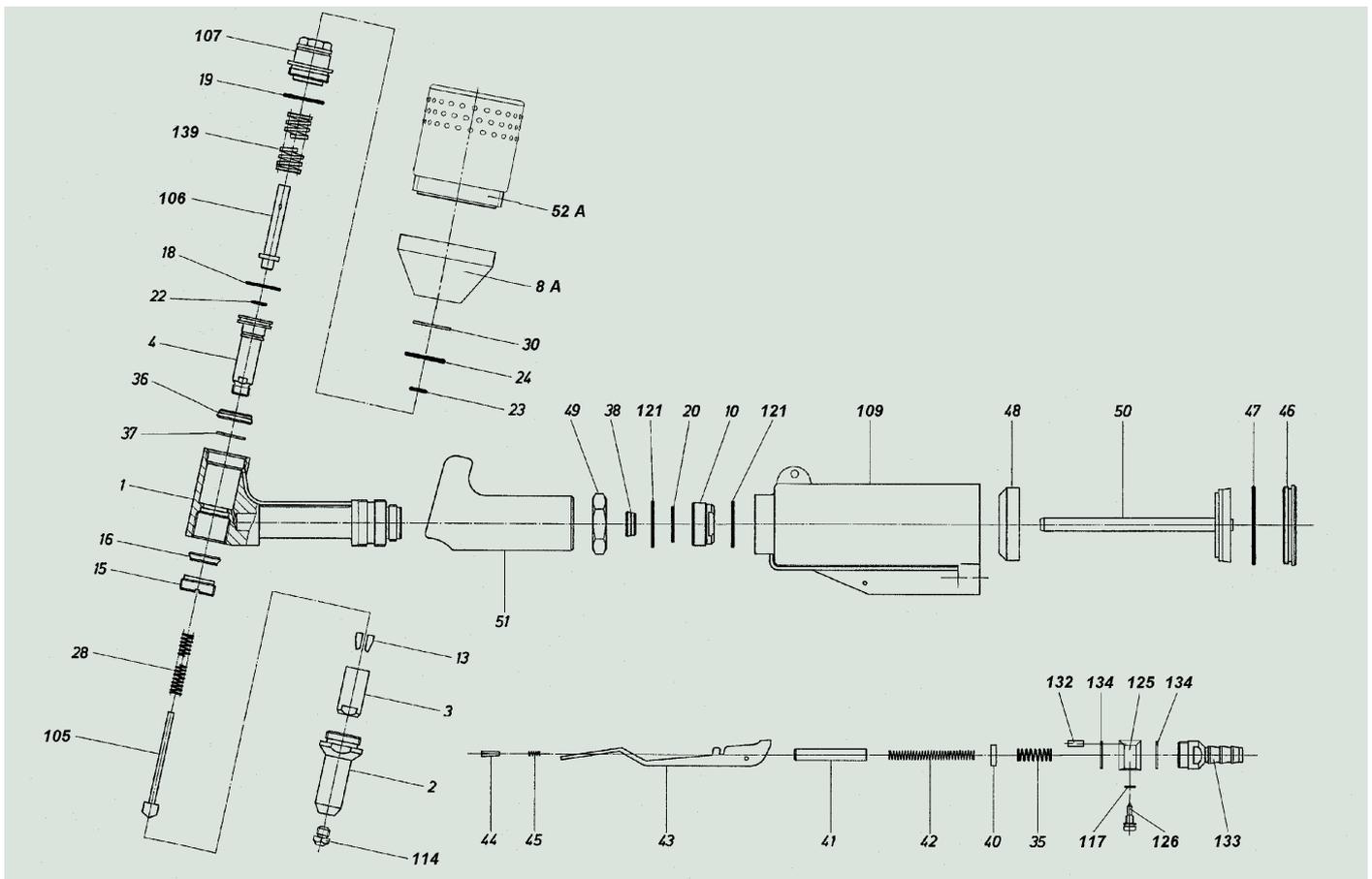


# Power riveting tool PH 1-L — discontinued, only spare parts available —

| Part N° | Article-N°        | Description                                    |
|---------|-------------------|--|
| 1       | <b>716 3002</b>   | Hydraulic section, coated                      |
| 2       | <b>716 3010</b>   | Head, coated                                   |
| 3       | <b>716 3029</b>   | Jaw housing                                    |
| 4       | <b>716 3037</b>   | Hydraulic plunger                              |
| 105     | • <b>716 3274</b> | Jaw pusher                                     |
| 106     | <b>716 3282</b>   | Nozzle tube                                    |
| 107     | <b>716 3347</b>   | Locking screw                                  |
| 8 A     | <b>716 3266</b>   | Insertion                                      |
| 109     | <b>716 3290</b>   | Air cylinder body, coated                      |
| 10      | <b>716 3118</b>   | Hydraulic rod guide                            |
| 13      | • <b>716 1069</b> | Jaws (2-part) PH 1 - 6 a                       |
| 114     | <b>705 1182</b>   | Nosepiece 10/18                                |
|         | <b>705 1247</b>   | Nosepiece 10/24                                |
|         | <b>705 1271</b>   | Nosepiece 10/27                                |
| 15      | <b>717 2486</b>   | Traction rod guide PH 1-VK-5 with scapper ring |
| 16      | • <b>717 2567</b> | Rod seal PH 1-VK - 22                          |
| 117     | • <b>719 2568</b> | O-ring 6 x 1                                   |
| 18      | • <b>716 3142</b> | O-ring 22 x 1                                  |
| 19      | • <b>716 3150</b> | O-ring 26 x 1,5                                |
| 20      | • <b>716 3169</b> | O-ring 22 x 1,5                                |
| 121     | • <b>716 3304</b> | O-ring 30 x 2                                  |
| 22      | • <b>716 3185</b> | O-ring 8 x 1,5                                 |
| 23      | • <b>715 8750</b> | O-ring 8 x 2                                   |
| 24      | • <b>716 3193</b> | O-ring 24 x 2,5                                |
| 125     | <b>716 3312</b>   | Valve body                                     |
| 126     | <b>716 3320</b>   | Valve screw                                    |

| Part N° | Article-N°        | Description                  |
|---------|-------------------|------------------------------|
| 28      | <b>705 4076</b>   | Jaw pusher spring NTX - 7 F  |
| 30      | <b>716 3215</b>   | Circlip SW 24                |
| 132     | <b>716 3339</b>   | Plastic tube                 |
| 133     | <b>728 2192</b>   | Hose fitting VAS 19-A        |
| 134     | • <b>728 2311</b> | O-ring                       |
| 35      | • <b>717 2087</b> | Pressure spring PH - 108     |
| 36      | • <b>717 2141</b> | K-seal PH - 114/81           |
| 37      | <b>717 2176</b>   | Circlip PH - 117/81          |
| 38      | • <b>717 2192</b> | K-seal PH 119/81             |
| 139     | <b>717 2168</b>   | Return spring PH 115         |
| 40      | <b>717 2273</b>   | Valve plate PH - 127         |
| 41      | <b>717 2281</b>   | Valve tube PH - 128          |
| 42      | <b>717 2303</b>   | Valve spring PH - 129        |
| 43      | <b>716 3223</b>   | Trigger arm, coated          |
| 44      | <b>717 2338</b>   | Trigger roll pin PH - 131    |
| 45      | <b>717 2346</b>   | Pressure spring PH - 132     |
| 46      | <b>716 3231</b>   | Cylinder cap PH 1, coated    |
| 47      | • <b>717 2362</b> | O-ring seal PH - 134         |
| 48      | <b>716 2421</b>   | Damping ring PH - 42         |
| 49      | <b>716 3258</b>   | Lock nut                     |
| 50      | <b>716 2618</b>   | Air plunger assembly PH - 61 |
| 51      | <b>717 2621</b>   | Grip PH - 162                |
| 52 A    | <b>725 9282</b>   | Spent mandrel bottle         |

• Wearing parts



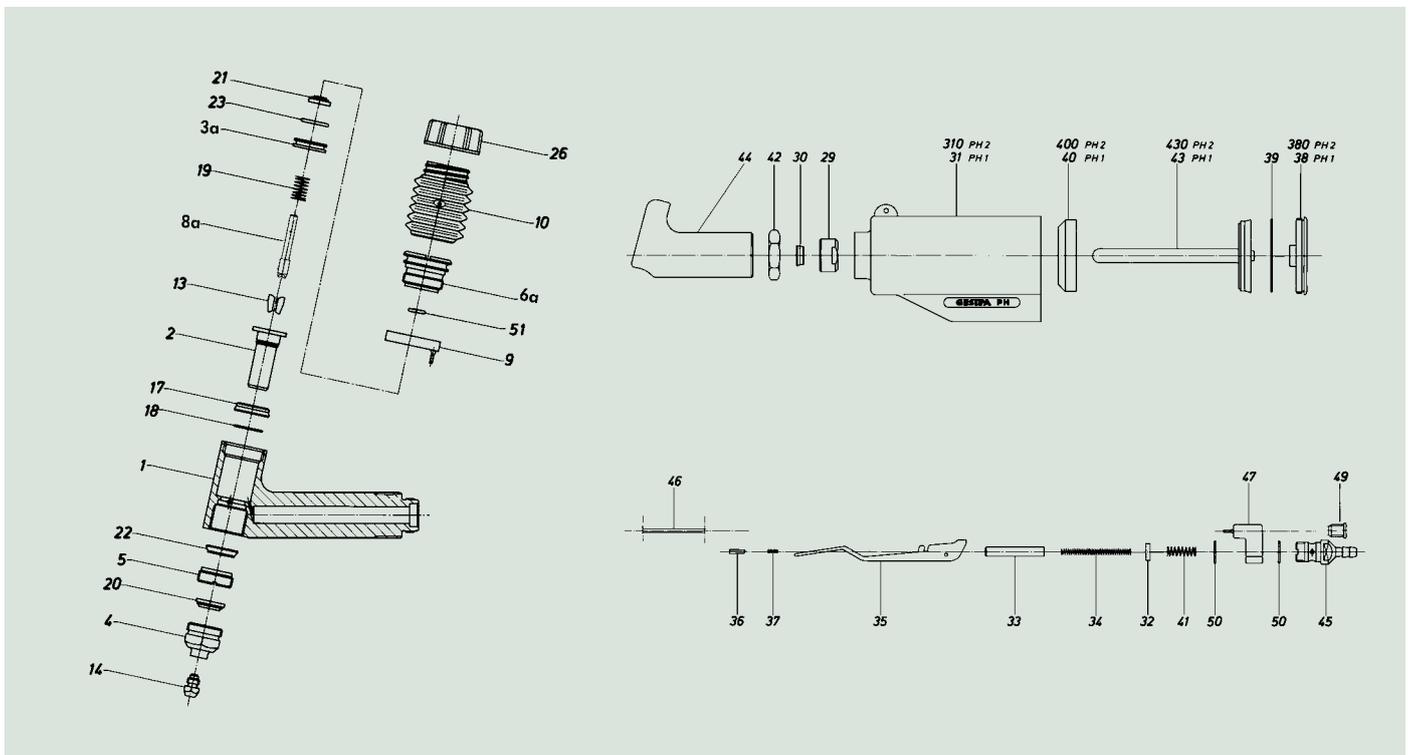


# Power riveting tools PH 1-VK and PH 2-VK - for PH1-VK only spare parts available -

| Part N° | Article-N° | Description                          |
|---------|------------|--------------------------------------|
| 1       | 717 2435   | Hydraulic section                    |
| 2       | 717 2443   | Traction rod                         |
| 3 a     | 717 3148   | Reset plunger                        |
| 4       | 717 2478   | Head                                 |
| 5       | 717 2486   | Traction rod guide with scraper ring |
| 6 a     | 717 3156   | Screw plug                           |
| 8 a     | • 717 3164 | Jaw pusher                           |
| 9       | 717 2516   | Connection ring                      |
| 10      | 717 2524   | Spent mandrel container              |
| 13      | • 705 2057 | Jaws (2-parts)                       |
| 14      | 705 1182   | Nosepiece 10/18                      |
| 14      | 705 1247   | Nosepiece 10/24                      |
| 14      | 705 1271   | Nosepiece 10/27                      |
| 17      | • 717 3229 | K-seal PH-114                        |
| 18      | 717 2176   | Circlip PH-117                       |
| 19      | • 717 2532 | Jaw pusher spring                    |
| 21      | • 717 2559 | Scraper ring                         |
| 22      | • 717 2567 | Rod seal                             |
| 23      | • 715 8726 | O-ring 20 x 2                        |
| 26      | 717 2583   | End cap                              |
| 29      | 717 2184   | Hydraulic rod guide PH-118           |
| 30      | • 717 2192 | K-seal PH-119                        |
| 31      | 716 2111   | Air cylinder body PH 1-25            |

| Part N° | Article-N° | Description                   |
|---------|------------|-------------------------------|
| 310     | 717 2257   | Air cylinder body PH 2-125    |
| 32      | 717 2273   | Valve plate PH-127            |
| 33      | 717 2281   | Valve tube PH-128             |
| 34      | 717 2303   | Valve spring PH-129           |
| 35      | 717 2311   | Trigger arm PH-130            |
| 36      | 717 2338   | Trigger roll pin PH-131       |
| 37      | 717 2346   | Trigger spring PH-132         |
| 38      | 716 2332   | Cylinder cap PH 1-33          |
| 380     | 717 2354   | Cylinder cap PH 2-133         |
| 39      | • 717 2362 | O-ring PH-134                 |
| 40      | 716 2421   | Damping ring PH 1-42          |
| 400     | 717 2427   | Damping ring PH 2-142         |
| 41      | • 717 2087 | Pressure spring PH-108        |
| 42      | 717 2449   | Lock nut PH-144               |
| 43      | 716 2618   | Air plunger assembly PH 1-61  |
| 430     | 717 2613   | Air plunger assembly PH 2-161 |
| 44      | 728 2621   | Grip VAS-162-A                |
| 45      | 728 2192   | Hose fitting VAS-19-A         |
| 46      | 728 2222   | Plastic tube VAS-22-A         |
| 47      | 728 2273   | Valve body VAS-27-A           |
| 49      | 717 2958   | Threaded pin                  |
| 50      | 728 2311   | O-ring set VAS-126-A          |
| 51      | 715 8750   | O-ring 8 x 2                  |

• Wearing parts

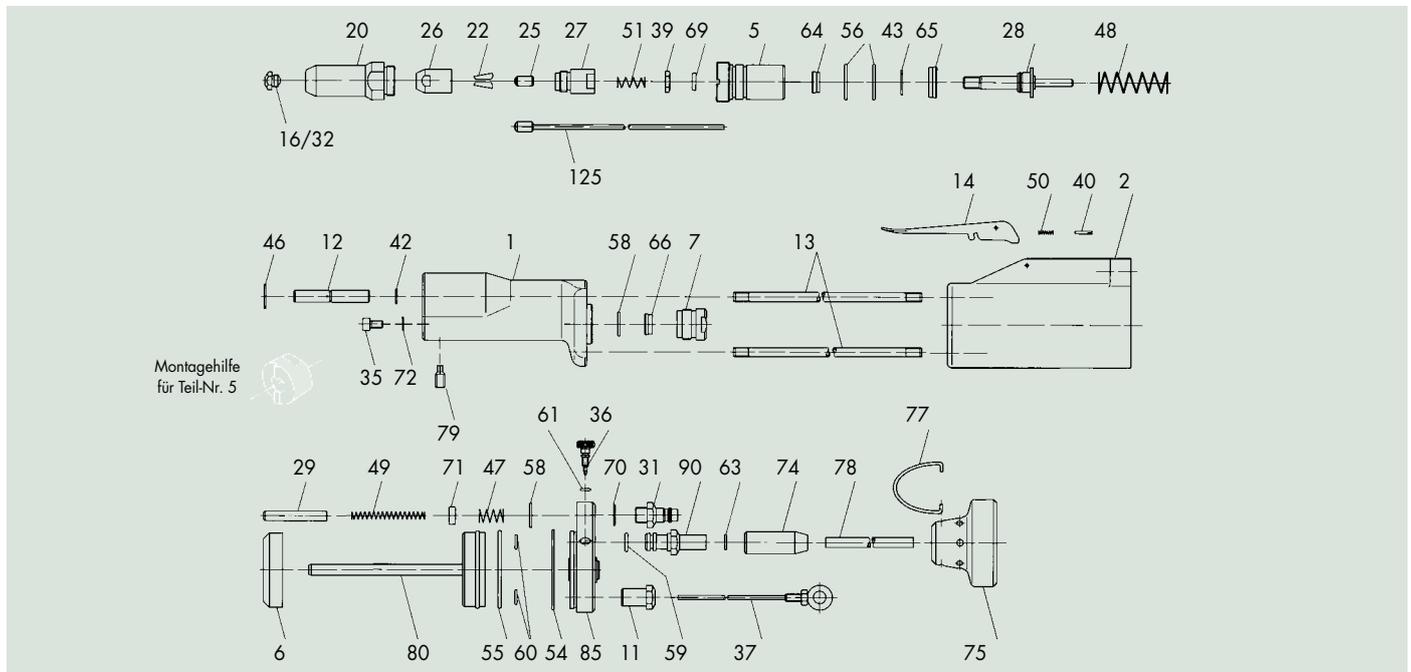


# Power riveting tool PH-Axial

| Part N° | Article-N°        | Description                            |
|---------|-------------------|--|
| 1       | <b>770 2019</b>   | Hydraulic section                      |
| 2       | <b>770 2027</b>   | Air cylinder body                      |
| 5       | <b>770 2051</b>   | Plunger guide with scraper ring No. 69 |
|         | <b>770 1063</b>   | Mounting jig for part-no. 5            |
| 6       | <b>770 2035</b>   | Damping ring                           |
| 7       | <b>770 2078</b>   | Hydraulic rod guide                    |
| 11      | <b>770 2116</b>   | Connecting screw                       |
| 12      | <b>770 2124</b>   | Guiding tube                           |
| 13      | <b>770 2132</b>   | Traction rod                           |
| 14      | <b>770 2140</b>   | Trigger arm                            |
| 16/24   | <b>717 1234</b>   | Nosepiece 16/24                        |
| 16/27   | <b>717 1277</b>   | Nosepiece 16/27                        |
| 16/29   | <b>717 1293</b>   | Nosepiece 16/29                        |
| 16/32   | <b>717 1323</b>   | Nosepiece 16/32                        |
| 16/36   | <b>717 1366</b>   | Nosepiece 16/36                        |
| 20      | <b>710 2216</b>   | Head                                   |
| 22      | • <b>710 2151</b> | Jaws (3-parts) per set                 |
| 25      | • <b>717 2079</b> | Jaw pusher PH 2-107                    |
| 26      | • <b>710 2127</b> | Jaw housing PH 2-109                   |
| 27      | <b>717 2109</b>   | Jaw housing coupler PH 2-110           |
| 28      | <b>717 2125</b>   | Hydraulic plunger PH 2-112/81          |
| 29      | <b>717 2281</b>   | Valve tube PH 2-128                    |
| 31      | <b>770 2310</b>   | Coupling plug                          |
| 35      | <b>719 8817</b>   | Screw M5 x 10                          |
| 36      | <b>728 2303</b>   | Valve screw VAS 29-A                   |
| 37      | <b>770 2388</b>   | Ring screw                             |
| 39      | <b>717 2117</b>   | Nut PH 2-111                           |
| 40      | <b>717 2338</b>   | Trigger roll pin PH 2-131              |
| 42      | <b>770 2426</b>   | Snap ring                              |
| 43      | <b>717 2176</b>   | Circlip PH 2-117/81                    |
| 46      | <b>770 2469</b>   | Back-up ring                           |
| 47      | <b>770 2477</b>   | Spring                                 |
| 48      | • <b>717 2168</b> | Return spring PH 2-115                 |

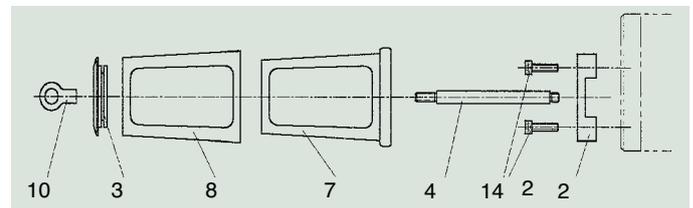
| Part N° | Article-N°        | Description   |
|---------|-------------------|---|
| 49      | <b>717 2303</b>   | Valve spring PH 2-129   |
| 50      | <b>717 2346</b>   | Trigger spring PH 2-132   |
| 51      | • <b>717 9693</b> | Jaw pusher spring PH 2-143  |
| 54      | <b>770 2558</b>   | O-ring 58 x 2   |
| 55      | <b>770 2531</b>   | O-ring 54 x 3   |
| 56      | <b>770 2566</b>   | O-ring 25 x 2   |
| 58      | <b>719 0964</b>   | O-ring 16 x 2   |
| 59      | <b>770 2590</b>   | O-ring 11,11 x 1,78   |
| 60      | <b>770 2020</b>   | Rod seal 8 x 13 x 4   |
| 61      | <b>728 2281</b>   | O-ring VAS-28-A   |
| 63      | <b>770 2639</b>   | O-ring 12 x 2   |
| 64      | • <b>717 2133</b> | K-seal PH 2-113/81  |
| 65      | • <b>717 2141</b> | K-seal PH 2-114/81  |
| 66      | • <b>717 2192</b> | K-seal PH 2-119/81  |
| 69      | <b>770 2698</b>   | Scraper ring  |
| 70      | <b>770 2701</b>   | Seal ring   |
| 71      | • <b>717 2273</b> | Valve plate PH 2-127  |
| 72      | <b>770 2728</b>   | USIT ring   |
| 74      | <b>770 2744</b>   | Socket with O-ring No. 63   |
| 75      | * <b>770 2752</b> | Adapter   |
| 76      | * <b>770 2760</b> | Spent mandrel bottle  |
| 77      | * <b>714 2277</b> | Suspension hook PH 833  |
| 78      | <b>770 2787</b>   | Unloading tube (1,5 m long)   |
| 79      | <b>727 8861</b>   | Valve adjusting screw   |
| 80      | <b>770 2809</b>   | Air plunger assembly with part-no. 55, 60                             |
| 85      | <b>770 2868</b>   | Cylinder cap  |
| 90      | <b>770 2906</b>   | Adjusting nozzle  |
| 95      | <b>770 2957</b>   | Hydraulic sealing set with part-no. 54, 56, 58, 64, 65, 66            |
| 100     | <b>770 2973</b>   | Pneumatic sealing set for air plunger no. 80 with part-no. 54, 55, 60 |
| 125     | • <b>770 2256</b> | Jaw pusher with reducing tube for blind rivets up to 4 Ø Alu and Cu   |

• Wearing parts / \* special accessories



## Spent mandrel container for PH-Axial

|    |                 |   |
|----|-----------------|---|
| 2  | <b>770 2086</b> | Adapter                                     |
| 3  | <b>770 2094</b> | Cap   |
| 4  | <b>770 2108</b> | Pin   |
| 7  | <b>770 2159</b> | Bottle                                      |
| 8  | <b>770 2167</b> | Casing                                      |
| 10 | <b>770 2175</b> | Ring loop M 6                               |
| 14 | <b>770 2183</b> | Cylinder screw                              |
|    | <b>770 1071</b> | Spent mandrel bottle, complete for PH-Axial |

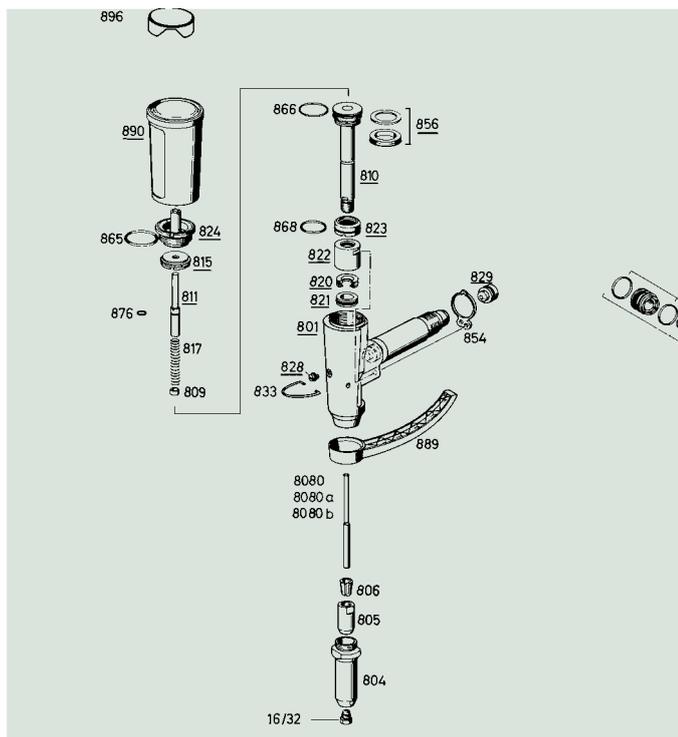


# Power riveting tools PH 2000 / PH 2000-BT (only for BULB-TITE® rivets)

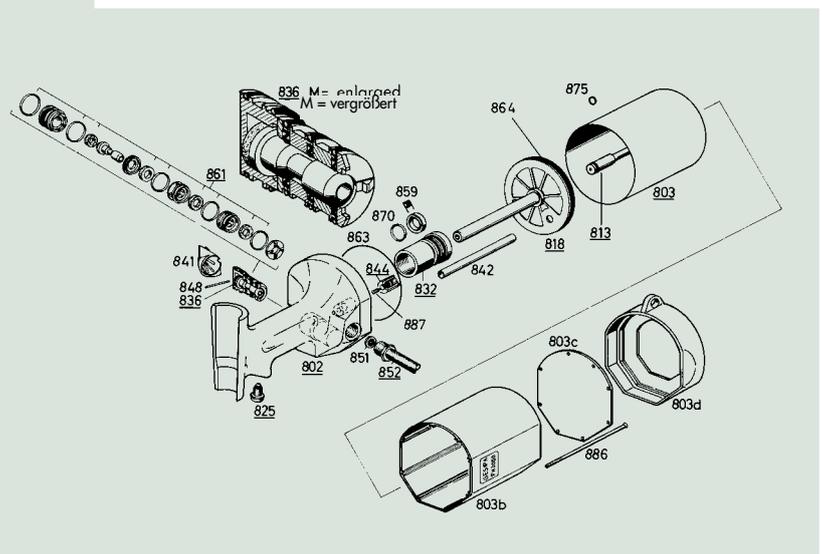
| Part N° | Article-N°        | Description   |
|---------|-------------------|---|
| 801     | <b>715 8017</b>   | Hydraulic section, complete with no. 829                          |
| 802     | <b>715 8025</b>   | Grip section, compl. with 836, 841, 844, 848                      |
| 803     | <b>715 8033</b>   | Air cylinder body, complete with 875                              |
| 803 b   | <b>715 9005</b>   | Plastic casing  |
| 803 c   | <b>715 9013</b>   | Cylinder cap  |
| 803 d   | • <b>715 9021</b> | Rubber base   |
| 804     | <b>710 2216</b>   | Head  |
| 805     | • <b>713 2123</b> | Jaw housing   |
| 806     | • <b>710 2151</b> | Jaws (3-parts) per set  |
| 8080    | <b>715 1454</b>   | Nozzle tube with jaw pusher up to 4 mm Ø (5/32") rivets           |
| 8080 a  | <b>715 1241</b>   | Nozzle tube with jaw pusher (1-part) from 4,8 mm Ø (3/16") rivets |
| 8080 b  | <b>715 1268</b>   | Nozzle tube with jaw pusher (1-part) for 6,4 mm Ø (1/4") rivets   |
| 809     | • <b>715 8092</b> | Distance ring   |
| 810     | <b>715 8106</b>   | Traction rod, complete with 856, 866                              |
| 811     | • <b>715 8114</b> | Pressure pipe, complete with 876                                  |
| 813     | <b>715 8130</b>   | Dummy piston, complete  |
| 815     | <b>715 8157</b>   | Reset plunger, complete with 875                                  |
| 16/24   | <b>717 1234</b>   | Nosepiece 16/24   |
| 16/27   | <b>717 1277</b>   | Nosepiece 16/27   |
| 16/29   | <b>717 1293</b>   | Nosepiece 16/29   |
| 16/32   | <b>717 1323</b>   | Nosepiece 16/32   |
| 16/36   | <b>717 1366</b>   | Nosepiece 16/36   |
| 16/40   | <b>717 1390</b>   | Nosepiece 16/40   |
| 16/45   | <b>717 1455</b>   | Nosepiece 16/45   |
| *       |                   | additional nosepieces see page 18 – 21                            |
| 817     | • <b>715 8173</b> | Jaw pusher spring   |
| 818     | <b>715 8181</b>   | Air plunger, complete with 864                                    |
| 820     | • <b>715 8203</b> | Ring piston, complete   |
| 821     | • <b>715 8211</b> | Scraper ring, complete  |
| 822     | • <b>715 8238</b> | Cylinder bushing, complete  |
| 823     | • <b>715 8246</b> | Traction rod gasket, complete with 866                            |
| 824     | <b>715 8254</b>   | Screw plug, complete with 865                                     |
| 825     | <b>715 8262</b>   | Trigger button, complete  |
| 828     | • <b>715 8289</b> | Oil-refill screw, complete  |
| 829     | <b>715 8297</b>   | Oil flow control valve, complete                                  |
| 832     | <b>715 8327</b>   | Hydraulic rod guide compl. with 859, 870                          |

| Part N° | Article-N°        | Description                                 |
|---------|-------------------|---|
| 833     | <b>714 2277</b>   | Suspension hook                             |
| 836     | <b>715 8378</b>   | Spool valve, complete with 861              |
| 841     | <b>715 8416</b>   | Silencer                                    |
| 842     | <b>715 8424</b>   | Air guiding tube                            |
| 844     | <b>715 8440</b>   | Air pressure control valve, complete        |
| 848     | <b>715 8483</b>   | Pin   |
| 851     | <b>715 8513</b>   | Filter                                      |
| 852     | <b>715 8521</b>   | Air tube, complete                          |
| 854     | • <b>715 8548</b> | Sealing washer                              |
| 856     | • <b>715 8564</b> | O-ring with washer                          |
| 859     | • <b>715 8599</b> | O-ring (14 x 22 x 5,7 B)                    |
| 861     | <b>715 8610</b>   | Set of seals for part-no. 836 (spool valve) |
| 863     | • <b>715 8637</b> | O-ring (83 x 1)                             |
| 864     | • <b>727 8640</b> | O-ring (79,77 x 5,34)                       |
| 865     | • <b>715 8653</b> | O-ring (34 x 1,5)                           |
| 866     | • <b>715 8661</b> | O-ring (29 x 1,5)                           |
| 868     | • <b>715 8688</b> | O-ring (25,1 x 1,6)                         |
| 870     | • <b>715 8718</b> | O-ring (20,3 x 2,4 / 90° Sh)                |
| 875     | • <b>715 8750</b> | O-ring (8 x 2)                              |
| 876     | • <b>715 8769</b> | O-ring (8 x 1,2)                            |
| 886     | <b>715 8866</b>   | Countersunk screw bolt                      |
| 887     | <b>727 8861</b>   | Valve adjusting screw                       |
| 889     | <b>715 8890</b>   | Hand guard                                  |
| 890     | <b>715 8904</b>   | Spent mandrel bottle, complete              |
| 894     | <b>715 8947</b>   | Hexagon ball-end drive                      |
| 176     | <b>717 1773</b>   | Universal maintenance wrench MSU            |
| 895     | <b>715 8955</b>   | Oil-refill can                              |
| 896     | <b>715 8963</b>   | Air deflector                               |
| 898     | <b>715 8971</b>   | Jaw assembly, complete for small rivet Ø    |
|         | <b>715 8998</b>   | Conversion set for BULB-TITE®-              |
| 16/26BT | <b>717 1471</b>   | Nosepiece for 4 Ø BULB-TITE®-Rivets         |
| 16/32BT | <b>717 1498</b>   | Nosepiece for 5,2 Ø BULB-TITE®-Rivets       |
| 16/42BT | <b>717 1501</b>   | Nosepiece for 6,3 Ø BULB-TITE®-Rivets       |
| 16/48BT | <b>717 1528</b>   | Nosepiece for 7,7 Ø BULB-TITE®-Rivets       |
| 8080 a  | <b>715 1241</b>   | Nozzle tube with jaw pusher 4 & 5,2 Ø       |
| 8080 b  | <b>715 1268</b>   | Nozzle tube with jaw pusher 6,3 & 7,7 Ø     |
| 106/8   | <b>715 1527</b>   | Jaws (3-parts) for BULB-TITE®-Rivets        |

• Wearing parts



|         |                 |                                      |
|---------|-----------------|--------------------------------------|
|         | <b>715 9714</b> | Changeover set for MEGA GRIP®        |
| 16/31MG | <b>717 9669</b> | Nosepiece 16/31 MG                   |
| 16/41MG | <b>717 9677</b> | Nosepiece 16/41 MG                   |
| 106/14  | <b>716 1026</b> | Jaws (3-parts)                       |
| 8080 b  | <b>715 1268</b> | Nozzle tube with jaw pusher (1-part) |



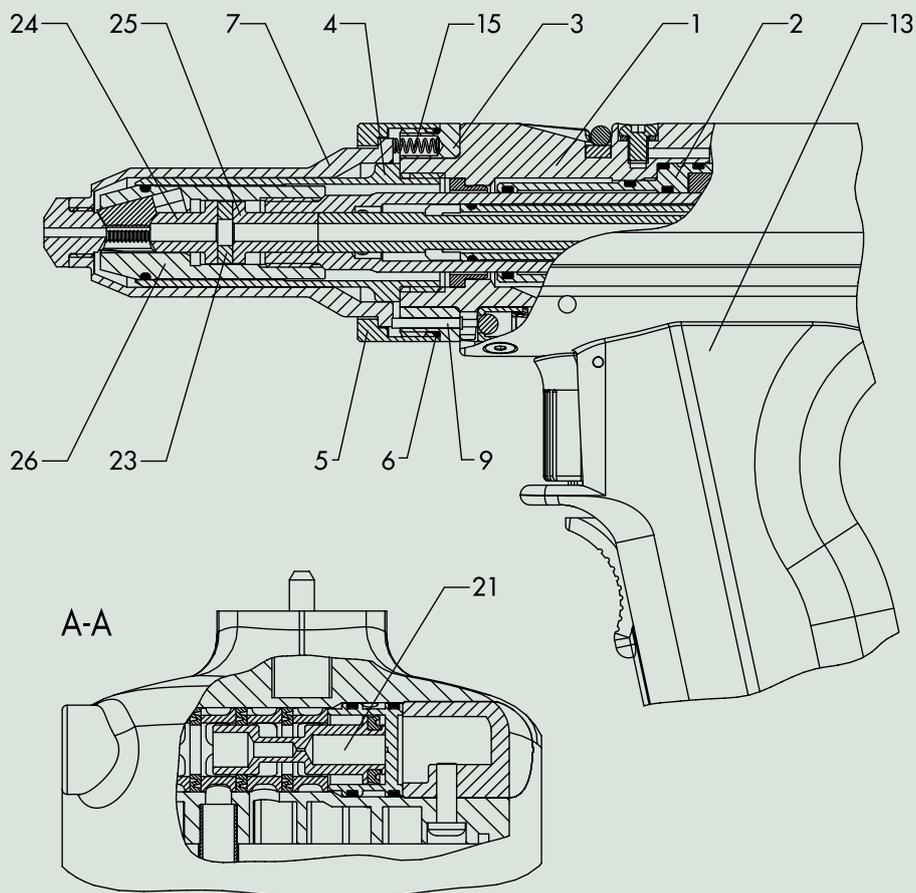
# Pneumatic-hydraulic blind rivet setting tool

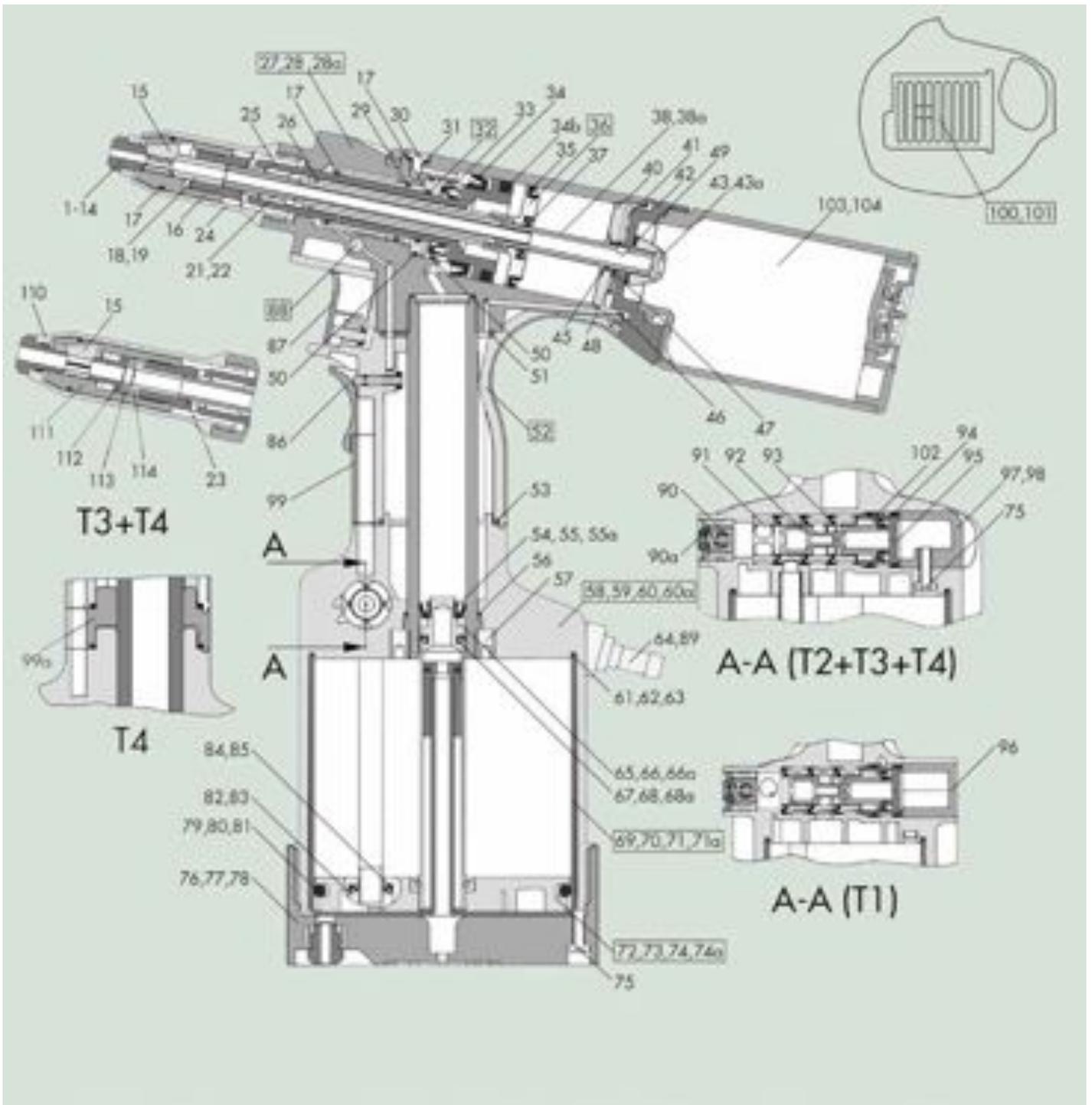
## TAURUS 1-4 with spring loaded trigger system

| Part N° | Article-N°      | Description                                 |
|---------|-----------------|---|
| 1a      | <b>T1</b>       | <b>756 1077</b> Tool head AV, pre-assembled |
| 1b      | <b>T2,T3</b>    | <b>757 1055</b> Tool head AV, pre-assembled |
| 1c      | <b>T4</b>       | <b>759 1017</b> Tool head AV, pre-assembled |
| 2       | <b>756 1078</b> | Sealing ring holder AV, complete            |
| 3       | <b>756 1046</b> | Receptacle                                  |
| 4       | <b>759 1018</b> | Guide case                                  |
| 5       | <b>756 1047</b> | Lock nut                                    |
| 6 •     | <b>756 1108</b> | O-ring 38 x 1                               |
| 7       | <b>756 1038</b> | Head AV                                     |
| 9       | <b>756 1109</b> | Stamp                                       |
| 13      | <b>756 1062</b> | Grip section AV, complete                   |

| Part N° | Article-N°      | Description                              |
|---------|-----------------|--|
| 15      | <b>756 1049</b> | Pressure spring                          |
| 21      | <b>756 1045</b> | Control piston AV                        |
| 23      | <b>759 1004</b> | Absorber ring 4                          |
| 24a     | <b>T1</b>       | <b>756 1058</b> Jaw pusher front part AV |
| 24b     | <b>T2</b>       | <b>757 1028</b> Jaw pusher front part AV |
| 24c     | <b>T3,T4</b>    | <b>759 1007</b> Jaw pusher front part AV |
| 25a     | <b>T1</b>       | <b>756 1060</b> Jaw housing coupler      |
| 25b     | <b>T2</b>       | <b>757 1029</b> Jaw housing coupler      |
| 25c     | <b>T3,T4</b>    | <b>759 1008</b> Jaw housing coupler      |
| 26 •    | <b>759 1009</b> | Jaw housing 4                            |

• Wearing parts





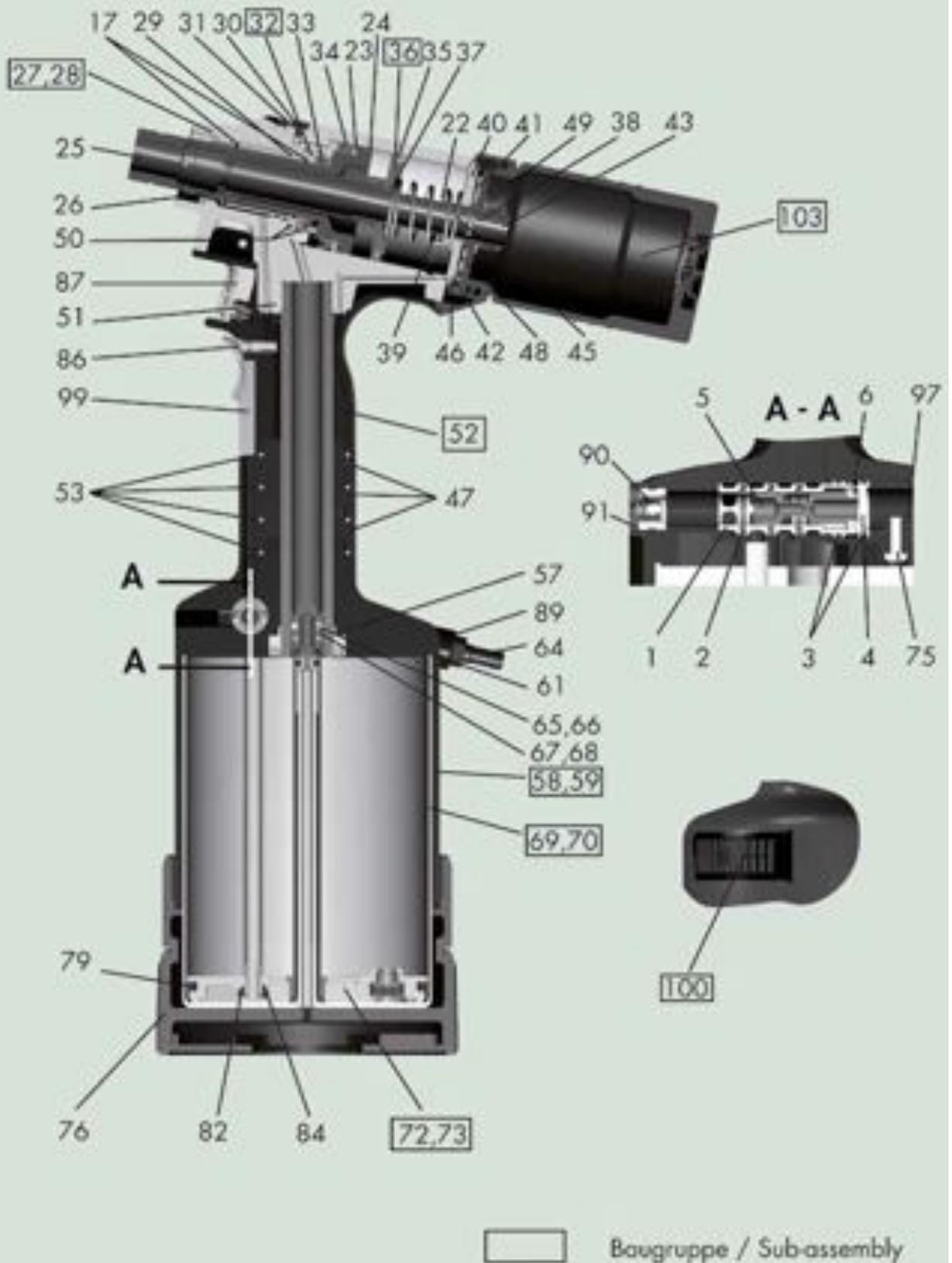
# Pneum.-hydraul. blind rivet setting tools TAURUS-SERIES

| Part N° | Article- N°     | Taurus- Type    | Description                |
|---------|-----------------|-----------------|----------------------------|
| 1       |                 | <b>725 2075</b> | Nosepiece 17/18            |
| 2       |                 | <b>725 1583</b> | Nosepiece 17/24            |
| 3       |                 | <b>725 2040</b> | Nosepiece 17/27            |
| 4       |                 | <b>725 2059</b> | Nosepiece 17/29            |
| 5       |                 | <b>725 2067</b> | Nosepiece 17/32            |
| 6       |                 | <b>725 2083</b> | Nosepiece 17/36            |
| 7       |                 | <b>725 2560</b> | Nosepiece 17/40            |
| 8       |                 | <b>724 3065</b> | Nosepiece 17/45            |
| 9       |                 | <b>725 2202</b> | Nosepiece 17/26 BT         |
| 10      |                 | <b>725 2210</b> | Nosepiece 17/32 BT         |
| 11      |                 | <b>725 2229</b> | Nosepiece 17/42 BT         |
| 12      |                 | <b>725 2237</b> | Nosepiece 17/48 BT         |
| 13      |                 | <b>725 2250</b> | Nosepiece 17/31 MG         |
| 14      |                 | <b>724 3146</b> | Nosepiece 17/41 MG         |
| 15 •    |                 | <b>756 1172</b> | Set of jaws (3 pcs)        |
| 16 •    | <b>T1,T2</b>    | <b>756 1180</b> | Jaw housing                |
| 17 •    |                 | <b>756 1199</b> | O-Ring                     |
| 18      | <b>T1</b>       | <b>756 1164</b> | Jaw pusher front part 1    |
| 19      | <b>T2</b>       | <b>757 1046</b> | Jaw pusher front part 2    |
| 21      | <b>T1</b>       | <b>756 1156</b> | Jaw pusher 1               |
| 22      | <b>T2</b>       | <b>757 1020</b> | Jaw pusher 2, long         |
| 23      | <b>T3,T4</b>    | <b>758 1043</b> | Jaw pusher 3, long         |
| 24      | <b>T1,T2</b>    | <b>756 1202</b> | Head                       |
| 25      |                 | <b>756 1377</b> | Traction rod               |
| 26      |                 | <b>756 1997</b> | O-Ring                     |
| 27      | <b>T1</b>       | <b>756 2047</b> | Tool head 1, pre-assembled |
| 28      | <b>T2,T3</b>    | <b>757 1232</b> | Tool head 2, pre-assembled |
| 28a     | <b>T4</b>       | <b>759 1002</b> | Tool head 4, pre-assembled |
| 29 •    |                 | <b>756 1342</b> | O-Ring                     |
| 30      |                 | <b>756 1229</b> | Oil refill screw           |
| 31      |                 | <b>756 1261</b> | Sealing ring M4            |
| 32      |                 | <b>756 2055</b> | Sealing ring holder compl. |
| 33 •    |                 | <b>756 1369</b> | Scraper ring               |
| 34a •   |                 | <b>756 1034</b> | Guide ring                 |
| 34b •   |                 | <b>756 1031</b> | Piston gasket              |
| 34 •    |                 | <b>756 1385</b> | Piston gasket              |
| 35 •    |                 | <b>756 1393</b> | Piston gasket              |
| 36      |                 | <b>756 2063</b> | Reset plunger, compl.      |
| 37      |                 | <b>756 1431</b> | Scraper ring               |
| 38a     | <b>T1</b>       | <b>757 1352</b> | Pressure pipe 1            |
| 38      | <b>T2,T3,T4</b> | <b>757 1021</b> | Pressure pipe 2/3          |
| 40      |                 | <b>756 1113</b> | Rear screw plug            |
| 41      |                 | <b>756 1857</b> | Lock                       |
| 42      |                 | <b>756 1849</b> | Adapter                    |
| 43a     | <b>T1</b>       | <b>757 1349</b> | Pressure pipe screw 1      |
| 43      | <b>T2,T3,T4</b> | <b>757 1022</b> | Pressure pipe screw 2/3    |
| 45      |                 | <b>756 1083</b> | O-Ring                     |
| 46      |                 | <b>756 1091</b> | O-Ring                     |
| 47      |                 | <b>770 2426</b> | Snapping                   |
| 48      |                 | <b>756 1865</b> | retaining spring           |
| 49      |                 | <b>757 1224</b> | Snap ring                  |
| 50 •    |                 | <b>715 8688</b> | O-Ring                     |
| 51 •    |                 | <b>756 1016</b> | Sealing washer 1           |
| 52      |                 | <b>756 2098</b> | Grip section, compl.       |
| 53 •    |                 | <b>756 1024</b> | Sealing washer 2           |
| 54 •    | <b>T1</b>       | <b>756 1776</b> | Piston gasket              |
| 55 •    | <b>T2,T3</b>    | <b>757 1216</b> | Piston gasket              |
| 55a •   | <b>T4</b>       | <b>759 1014</b> | Piston gasket              |
| 56      |                 | <b>756 1032</b> | O-Ring                     |
| 57      |                 | <b>756 1040</b> | Alu screw                  |
| 58      | <b>T1</b>       | <b>756 2101</b> | Air cylinder 1 compl.      |
| 59      | <b>T2</b>       | <b>757 1240</b> | Air cylinder 2 compl.      |
| 60      | <b>T3</b>       | <b>758 1114</b> | Air cylinder 3 compl.      |

| Part N° | Article- N°     | Taurus- Type    | Description   |
|---------|-----------------|-----------------|---|
| 60a     | <b>T4</b>       | <b>759 1003</b> | Air cylinder 4 compl.   |
| 61      | <b>T1</b>       | <b>756 2039</b> | O-Ring  |
| 62      | <b>T2</b>       | <b>757 1194</b> | O-Ring  |
| 63      | <b>T3,T4</b>    | <b>758 1157</b> | O-Ring  |
| 64      |                 | <b>756 1938</b> | Hose fitting  |
| 65 •    | <b>T1</b>       | <b>756 1768</b> | Guide ring 1  |
| 66 •    | <b>T2,T3</b>    | <b>757 1127</b> | Guide ring 2  |
| 66a •   | <b>T4</b>       | <b>759 1013</b> | Guide ring 4  |
| 67 •    | <b>T1</b>       | <b>756 1741</b> | Piston gasket   |
| 68 •    | <b>T2,T3</b>    | <b>756 1989</b> | Piston gasket   |
| 68a •   | <b>T4</b>       | <b>756 2012</b> | Piston gasket   |
| 69      | <b>T1</b>       | <b>756 2152</b> | Cylinder head 1, compl.   |
| 70      | <b>T2</b>       | <b>757 1275</b> | Cylinder head 2, compl.   |
| 71      | <b>T3</b>       | <b>758 1149</b> | Cylinder head 3, compl.   |
| 71a     | <b>T4</b>       | <b>759 1006</b> | Cylinder head 4, compl.   |
| 72      | <b>T1</b>       | <b>756 2144</b> | Air piston 1, compl.  |
| 73      | <b>T2</b>       | <b>757 1267</b> | Air piston 2, compl.  |
| 74      | <b>T3</b>       | <b>758 1130</b> | Air piston 3, compl.  |
| 74a     | <b>T4</b>       | <b>759 1005</b> | Air piston 4, compl.  |
| 75      |                 | <b>725 2032</b> | Housing screw, short  |
| 76      | <b>T1</b>       | <b>756 1059</b> | Base 1  |
| 77      | <b>T2</b>       | <b>757 1011</b> | Base 2  |
| 78      | <b>T3,T4</b>    | <b>758 1017</b> | Base 3  |
| 79 •    | <b>T1</b>       | <b>756 1806</b> | O-Ring  |
| 80 •    | <b>T2</b>       | <b>757 1151</b> | O-Ring  |
| 81 •    | <b>T3,T4</b>    | <b>758 1173</b> | O-Ring  |
| 82      | <b>T1</b>       | <b>756 1792</b> | Circlip   |
| 83      | <b>T2,T3,T4</b> | <b>757 1143</b> | V-Ring  |
| 84      | <b>T1</b>       | <b>756 1784</b> | Scraper ring  |
| 85      | <b>T2,T3,T4</b> | <b>756 1431</b> | Scraper ring  |
| 86      |                 | <b>756 1539</b> | Pusher  |
| 87      |                 | <b>756 1520</b> | Trigger   |
| 88      |                 | <b>756 2071</b> | Control slider, compl.  |
| 89      |                 | <b>756 1970</b> | Sealing ring  |
| 90a     |                 | <b>756 1030</b> | O-Ring  |
| 90      |                 | <b>756 2136</b> | Safety air valve  |
| 91      |                 | <b>756 1628</b> | Spacer cage   |
| 92      |                 | <b>756 1660</b> | Control piston  |
| 93      |                 | <b>756 1601</b> | Scraper ring  |
| 94      |                 | <b>756 2012</b> | Piston gasket   |
| 95      |                 | <b>756 1687</b> | Piston chamber  |
| 96      | <b>T1</b>       | <b>756 1636</b> | Plug 1  |
| 97      | <b>T2</b>       | <b>757 1070</b> | Plug 2  |
| 98      | <b>T3,T4</b>    | <b>758 1068</b> | Plug 3  |
| 99      |                 | <b>756 2160</b> | Blind plate   |
| 99a     | <b>T4</b>       | <b>759 1001</b> | Grip section extension  |
| 100     | <b>T2</b>       | <b>757 1348</b> | Noise suppressor 2, compl.  |
| 101     | <b>T3,T4</b>    | <b>758 1211</b> | Noise suppressor 3, compl.  |
| 102     |                 | <b>756 2209</b> | O-Ring  |
| 103     | <b>T1,T2</b>    | <b>756 2020</b> | Spent mandrel container, compl.   |
| 104     | <b>T3,T4</b>    | <b>758 1238</b> | Spent mandrel container, compl.   |
| 105     |                 | <b>756 2195</b> | Maintenance wrench SW 12/14   |
| 106     |                 | <b>756 2187</b> | Maintenance wrench SW 14/17   |
| 107     |                 | <b>715 8955</b> | Hydraulic oil 100 ml  |
| 108     |                 | <b>756 2179</b> | Oil-refill can  |
| 110     | <b>T3,T4</b>    | <b>759 1010</b> | Head 4  |
| 111     | <b>T3,T4</b>    | <b>759 1009</b> | Jaw housing 4   |
| 112     | <b>T3,T4</b>    | <b>759 1007</b> | Jaw Pusher 4  |
| 113     | <b>T3,T4</b>    | <b>759 1004</b> | Absorber ring 4   |
| 114     | <b>T3,T4</b>    | <b>759 1008</b> | Centre section  |
|         | <b>T2,T3</b>    | <b>757 1353</b> | Nozzle tube change over set for blind rivets up to 4,0 mm Ø all materials |
|         | <b>T1</b>       | <b>756 1104</b> | Change over set*  |
|         | <b>T2,T3,T4</b> | <b>756 1107</b> | Change over set*  |

Change over set\*

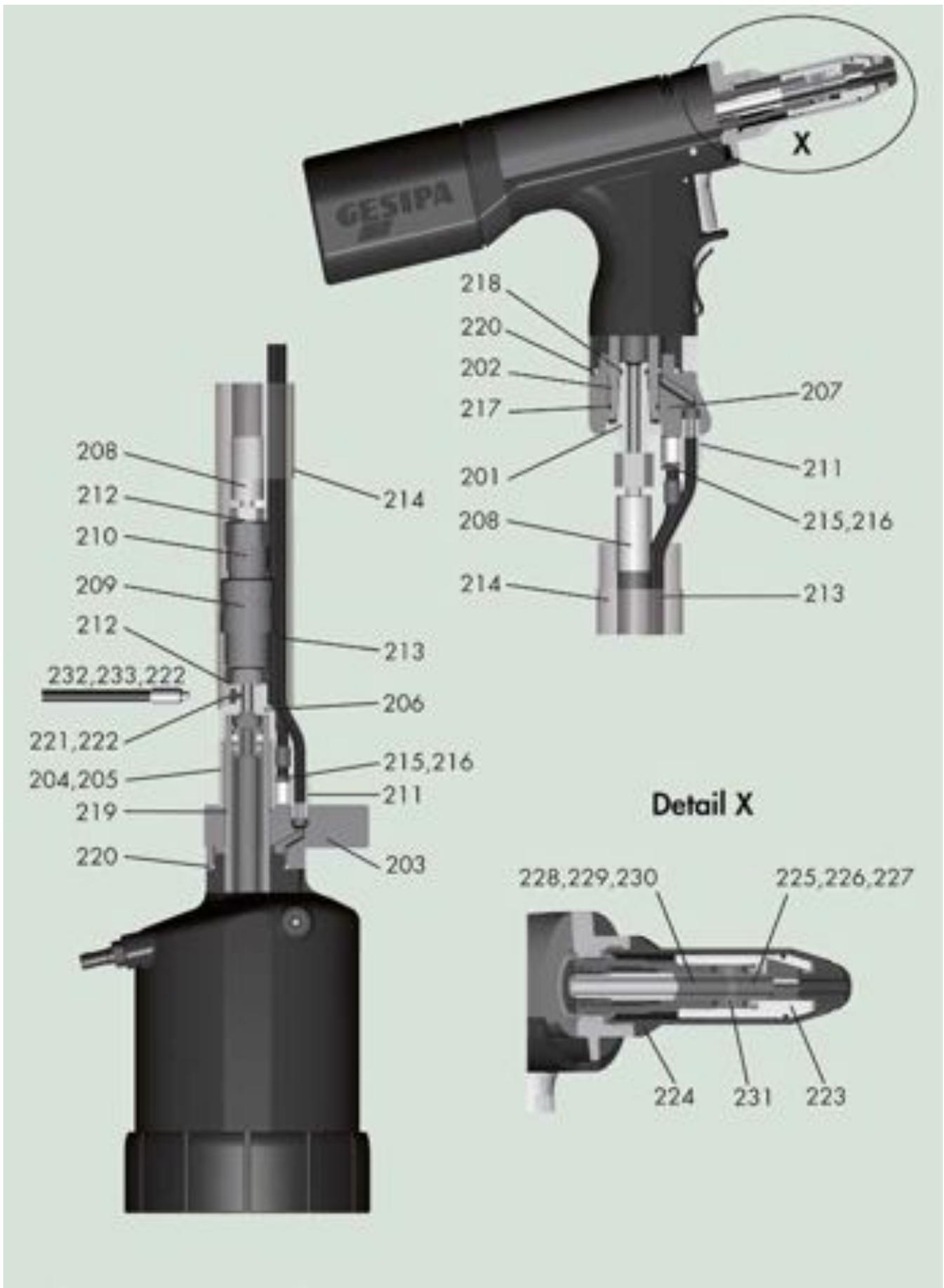
• Wearing parts / \* for PH-2000-mandrel container



# Pneum.-hydraul. blind rivet setting tools TAURUS 5 und 6

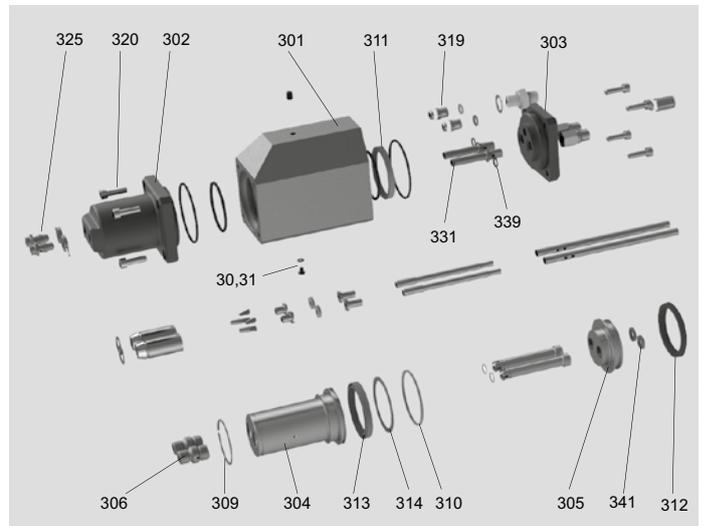
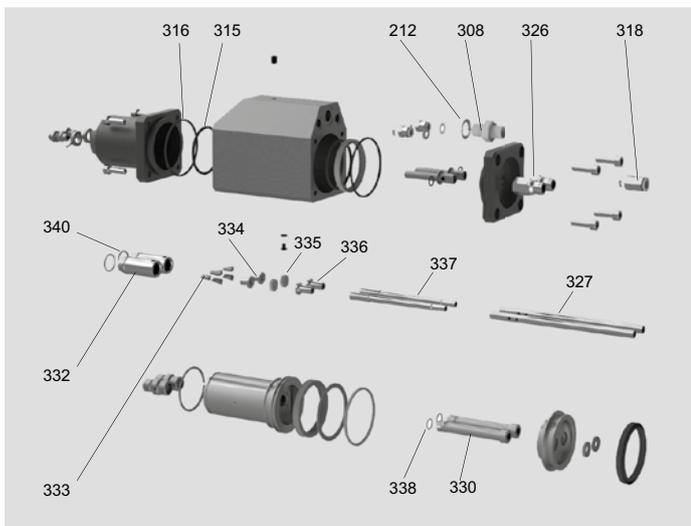
| Part N° | Article- N° | Taurus- Type    | Description                   |
|---------|-------------|-----------------|-------------------------------|
| 1       |             | <b>756 1628</b> | Spacer cage                   |
| 2       |             | <b>756 1601</b> | Scraper ring                  |
| 3       |             | <b>756 2209</b> | O-Ring                        |
| 4       |             | <b>756 1687</b> | Piston chamber                |
| 5       |             | <b>756 1660</b> | Control piston                |
| 6       |             | <b>756 2012</b> | Piston gasket                 |
| 17 •    |             | <b>760 1024</b> | O-Ring                        |
| 22      |             | <b>760 1036</b> | Washer                        |
| 23 •    |             | <b>760 1032</b> | Guide ring                    |
| 24 •    |             | <b>760 1031</b> | Piston gasket                 |
| 25      |             | <b>760 1015</b> | Pulling rod                   |
| 26      |             | <b>760 1026</b> | O-Ring                        |
| 27      | <b>T5</b>   | <b>760 1042</b> | Tool head 5, pre-assembled    |
| 28      | <b>T6</b>   | <b>761 1003</b> | Tool head 6, pre-assembled    |
| 29 •    |             | <b>760 1025</b> | O-Ring                        |
| 30      |             | <b>756 1229</b> | Oil refill screw              |
| 31      |             | <b>756 1261</b> | Sealing ring M4               |
| 32      |             | <b>760 1043</b> | Sealing ring holder, complete |
| 33 •    |             | <b>760 1028</b> | Scraper ring                  |
| 34 •    |             | <b>760 1029</b> | Piston gasket                 |
| 35 •    |             | <b>760 1030</b> | Piston gasket                 |
| 36      |             | <b>760 1044</b> | Reset plunger, complete       |
| 37      |             | <b>760 1033</b> | Scraper ring                  |
| 38      |             | <b>760 1009</b> | Plug                          |
| 39      |             | <b>760 1035</b> | V-Ring                        |
| 40      |             | <b>760 1013</b> | Rear screw plug               |
| 41      |             | <b>760 1005</b> | Lock                          |
| 42      |             | <b>760 1007</b> | Adapter                       |
| 43      |             | <b>760 1008</b> | Pressure pipe screw           |
| 45      |             | <b>760 1022</b> | O-Ring                        |
| 46      |             | <b>760 1023</b> | O-Ring                        |
| 47      |             | <b>759 1001</b> | Grip section extender         |
| 48      |             | <b>760 1020</b> | Retaining spring              |
| 49      |             | <b>760 1004</b> | Circlip                       |

| Part N° | Article- N° | Taurus- Type    | Description                       |
|---------|-------------|-----------------|-----------------------------------|
| 50 •    |             | <b>760 1027</b> | O-Ring                            |
| 51 •    |             | <b>756 1016</b> | Sealing washer 1                  |
| 52      |             | <b>756 2098</b> | Grip section, complete            |
| 53 •    |             | <b>756 1024</b> | sealing washer 2                  |
| 54 •    | <b>T5</b>   | <b>760 1040</b> | Piston gasket                     |
| 55 •    | <b>T6</b>   | <b>759 1014</b> | Piston gasket                     |
| 56      |             | <b>756 1032</b> | O-Ring                            |
| 57      |             | <b>756 1040</b> | Alu nut                           |
| 58      | <b>T5</b>   | <b>760 1045</b> | Air cylinder 5, complete          |
| 59      | <b>T6</b>   | <b>761 1004</b> | Air Cylinder 6, complete          |
| 61      |             | <b>758 1157</b> | O-Ring                            |
| 64      |             | <b>756 1938</b> | Hose fitting                      |
| 65 •    | <b>T5</b>   | <b>760 1019</b> | Guide ring 5                      |
| 66 •    | <b>T6</b>   | <b>759 1013</b> | Guide ring 4                      |
| 67 •    | <b>T5</b>   | <b>760 1039</b> | Piston gasket                     |
| 68 •    | <b>T6</b>   | <b>756 2012</b> | Piston gasket                     |
| 69      | <b>T5</b>   | <b>760 1046</b> | Cylinder head 5, complete         |
| 70      | <b>T6</b>   | <b>761 1005</b> | Cylinder head 6, complete         |
| 72      | <b>T5</b>   | <b>760 1047</b> | Air piston 5, complete            |
| 73      | <b>T6</b>   | <b>761 1006</b> | Air piston 6, complete            |
| 75      |             | <b>725 2032</b> | Housing screw, short              |
| 76      |             | <b>760 1006</b> | Base 5                            |
| 79 •    |             | <b>758 1173</b> | O-Ring                            |
| 82      |             | <b>757 1143</b> | V-Ring                            |
| 84      |             | <b>756 1431</b> | Scraper ring                      |
| 86      |             | <b>756 1539</b> | Pusher                            |
| 87      |             | <b>756 1520</b> | Trigger                           |
| 89      |             | <b>756 1970</b> | Sealing ring                      |
| 90      |             | <b>756 2136</b> | Safety valve, complete            |
| 91      |             | <b>756 1030</b> | O-Ring                            |
| 97      |             | <b>758 1068</b> | Plug 3                            |
| 99      |             | <b>756 2160</b> | Blind plate                       |
| 100     |             | <b>758 1211</b> | Noise suppressor 3, complete      |
| 103     |             | <b>760 1048</b> | Spent mandrel container, complete |



# Pneum.-hydraulic blind rivet setting tools TAUREX 1 to 6

| Part N° | Article-N°      | Taurus-Type     | Description                         |
|---------|-----------------|-----------------|-------------------------------------|
| 201     |                 | <b>764 1001</b> | Tubing connector                    |
| 202     |                 | <b>764 1002</b> | Upper drivepipe                     |
| 203     |                 | <b>764 1004</b> | Cylinder head adapter               |
| 204     | <b>T1,T2,T3</b> | <b>764 1005</b> | Spacer bushing                      |
| 205     | <b>T4</b>       | <b>767 1001</b> | Spacer bushing                      |
| 205a    | <b>T5-T6</b>    | <b>768 1001</b> | Spacer bushing                      |
| 206     |                 | <b>764 1006</b> | Tubing connector, Air Cylinder side |
| 207     |                 | <b>764 1003</b> | Head adapter                        |
| 208     |                 | <b>764 1007</b> | Hydraulic tube                      |
| 209     |                 | <b>764 1008</b> | Connection socket                   |
| 210     |                 | <b>764 1009</b> | Connection plug                     |
| 211     |                 | <b>764 1010</b> | Screw connector                     |
| 212     |                 | <b>764 1011</b> | Hydraulic gaskets                   |
| 213     |                 | <b>764 1014</b> | Plastic tube                        |
| 214     |                 | <b>764 1015</b> | Tubing protection sleeve            |
| 215     |                 | <b>764 1012</b> | Coding ring, green                  |
| 216     |                 | <b>764 1013</b> | Coding ring, red                    |
| 217     |                 | <b>756 1210</b> | O-Ring 21,5 x 1,5                   |
| 218     |                 | <b>719 0956</b> | O-Ring 10,0 x 2,0                   |
| 219     |                 | <b>756 1032</b> | O-Ring 23,52 x 1,78                 |
| 220     |                 | <b>756 1024</b> | Sealing washer 2                    |
| 221     |                 | <b>756 1229</b> | Oil filling screw                   |
| 222     |                 | <b>756 1261</b> | Sealing ring M4                     |
| 223 •   | <b>T1-T4</b>    | <b>759 1009</b> | Jaw housing 4                       |
| 224     | <b>T1-T4</b>    | <b>759 1010</b> | Head 4                              |
| 225     | <b>T1</b>       | <b>756 1058</b> | Jaw pusher AV 1                     |
| 226     | <b>T2</b>       | <b>757 1028</b> | Jaw pusher AV 2                     |
| 227     | <b>T3,T4</b>    | <b>759 1007</b> | Jaw pusher 4                        |
| 228     | <b>T1</b>       | <b>756 1060</b> | Centre section AV 1                 |
| 229     | <b>T2</b>       | <b>757 1029</b> | Centre section AV 2                 |
| 230     | <b>T3,T4</b>    | <b>759 1008</b> | Centre section 4                    |
| 231     | <b>T1-T4</b>    | <b>759 1004</b> | Absorber ring 4                     |
| 232     |                 | <b>764 1016</b> | Oil refill can                      |
| 233     |                 | <b>764 1017</b> | Plastic tube 0,08mm                 |



• Verschleißteile

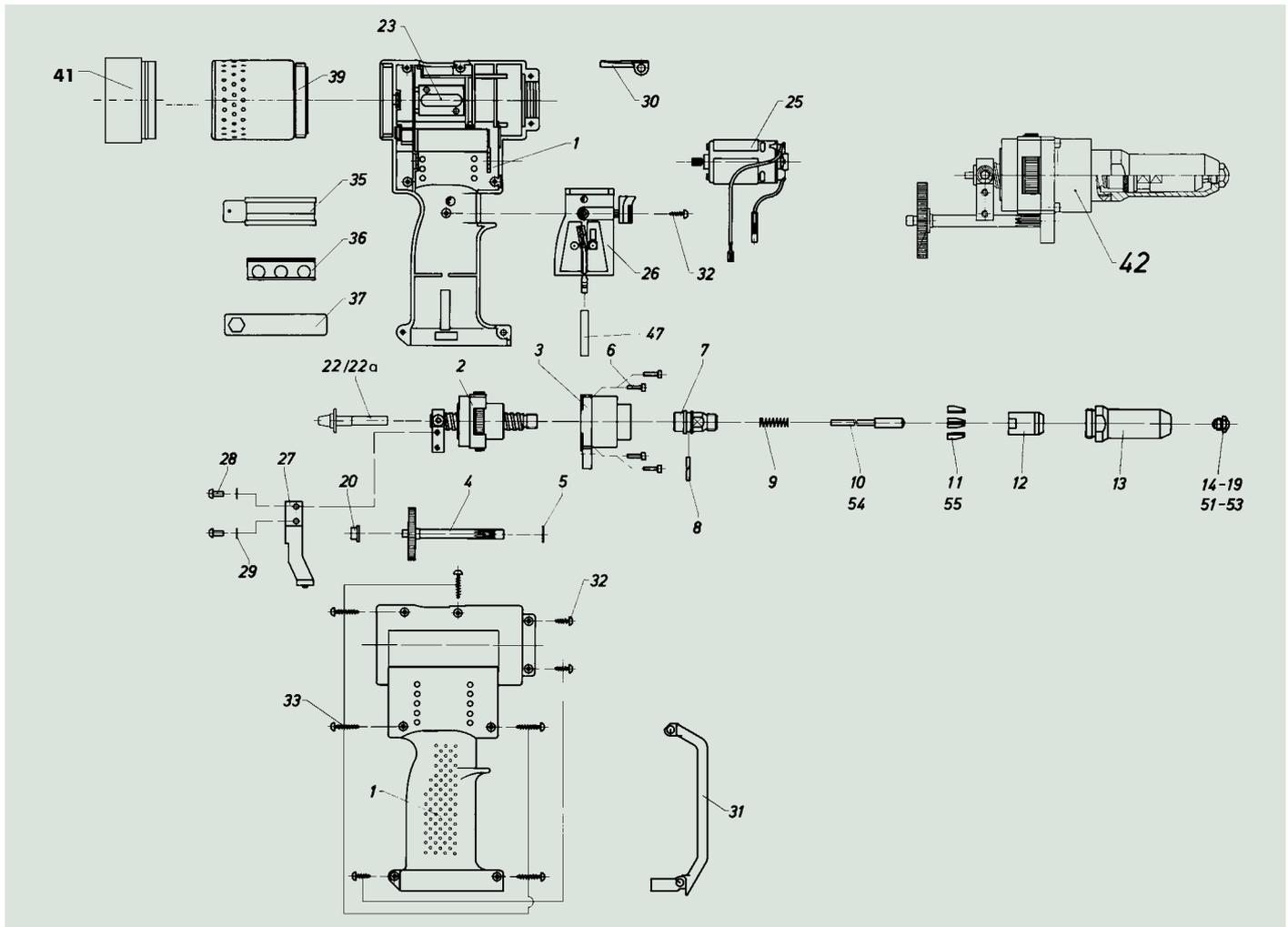
# Battery powered riveting tool AccuBird®

| Part N° | Article-N°        | Description                 |
|---------|-------------------|-----------------------------|
| 1       | <b>725 9274</b>   | Tool housing, complete      |
| 2       | <b>725 9142</b>   | Ball screw drive, assembled |
| 3       | <b>725 9185</b>   | Drive bearing, complete     |
| 4       | <b>725 9193</b>   | Power transfer gear         |
| 5       | <b>725 1753</b>   | Snap ring                   |
| 6       | <b>725 1982</b>   | Screw                       |
| 7       | <b>725 1605</b>   | Jaw housing coupler         |
| 8       | <b>725 1745</b>   | Scraper ring                |
| 9       | • <b>717 9693</b> | Jaw pusher spring (PH 2 KA) |
| 10      | • <b>725 1621</b> | Jaw pusher                  |
| 11      | • <b>725 1613</b> | Jaws (3-parts)              |
| 12      | <b>713 2123</b>   | Jaw housing                 |
| 13      | <b>725 1591</b>   | Head                        |
| 14      | <b>725 2075</b>   | Nosepiece 17/18             |
| 15      | <b>725 1583</b>   | Nosepiece 17/24             |
| 16      | <b>725 2040</b>   | Nosepiece 17/27             |
| 17      | <b>725 2059</b>   | Nosepiece 17/29             |
| 18      | <b>725 2067</b>   | Nosepiece 17/32             |
| 19      | <b>725 2083</b>   | Nosepiece 17/36             |
| 20      | <b>725 1893</b>   | Bush                        |
| 22      | <b>725 1761</b>   | Spent mandrel tube brass    |
| 22 a    | <b>725 1521</b>   | Spent mandrel tube plastic  |
| 23      | <b>725 1737</b>   | Steel track                 |
| 25      | <b>725 9223</b>   | Motor, complete             |
| 26      | <b>725 1850</b>   | Electronic control switch   |
| 27      | <b>725 9266</b>   | Magnet holder, complete     |
| 28      | <b>725 1990</b>   | Magnet holder screw         |
| 29      | <b>725 2008</b>   | Spring lock washer          |

| Part N° | Article-N°        | Description                                  |
|---------|-------------------|--|
| 30      | <b>725 5058</b>   | Suspension loop                              |
| 31      | <b>725 1540</b>   | Hand guard                                   |
| 32      | <b>725 2032</b>   | Housing screw, short                         |
| 33      | <b>725 2024</b>   | Housing screw, long                          |
| 35      | <b>725 5023</b>   | Nosepiece bracket                            |
| 36      | <b>725 2091</b>   | Nosepiece holder                             |
| 37      | <b>725 1834</b>   | Nosepiece wrench                             |
| 39      | <b>725 9282</b>   | Spent mandrel container, complete            |
| 41      | <b>725 9328</b>   | Elongation                                   |
| 42      | <b>725 9134</b>   | Drive system, complete (Pos. 2-13; 15)       |
| 46      | <b>725 2555</b>   | Lubricating grease                           |
| *       |                   | Special nosepiece see page 18 – 21           |
| 47      | <b>725 5066</b>   | Isolator sleeve                              |
| 50      | <b>725 9290</b>   | Conversion set for BULB-TITE® (BT), complete |
| 51      | <b>725 2202</b>   | BULB-TITE® nosepiece 17/26 BT                |
| 52      | <b>725 2210</b>   | BULB-TITE® nosepiece 17/32 BT                |
| 53      | <b>725 2229</b>   | BULB-TITE® nosepiece 17/42 BT                |
| 54      | • <b>725 2245</b> | BULB-TITE® jaw pusher                        |
| 55      | • <b>715 1527</b> | BULB-TITE® jaws (3-parts)                    |

|         |                 |                           |
|---------|-----------------|---------------------------|
| 17/18 R | <b>725 4078</b> | Holding nosepiece 17/18 R |
| 17/24 R | <b>725 4086</b> | Holding nosepiece 17/24 R |
| 17/27 R | <b>725 4094</b> | Holding nosepiece 17/27 R |
| 17/29 R | <b>725 4108</b> | Holding nosepiece 17/29 R |
| 17/32 R | <b>725 4116</b> | Holding nosepiece 17/32 R |
| 17/36 R | <b>725 4124</b> | Holding nosepiece 17/36 R |

• Wearing parts

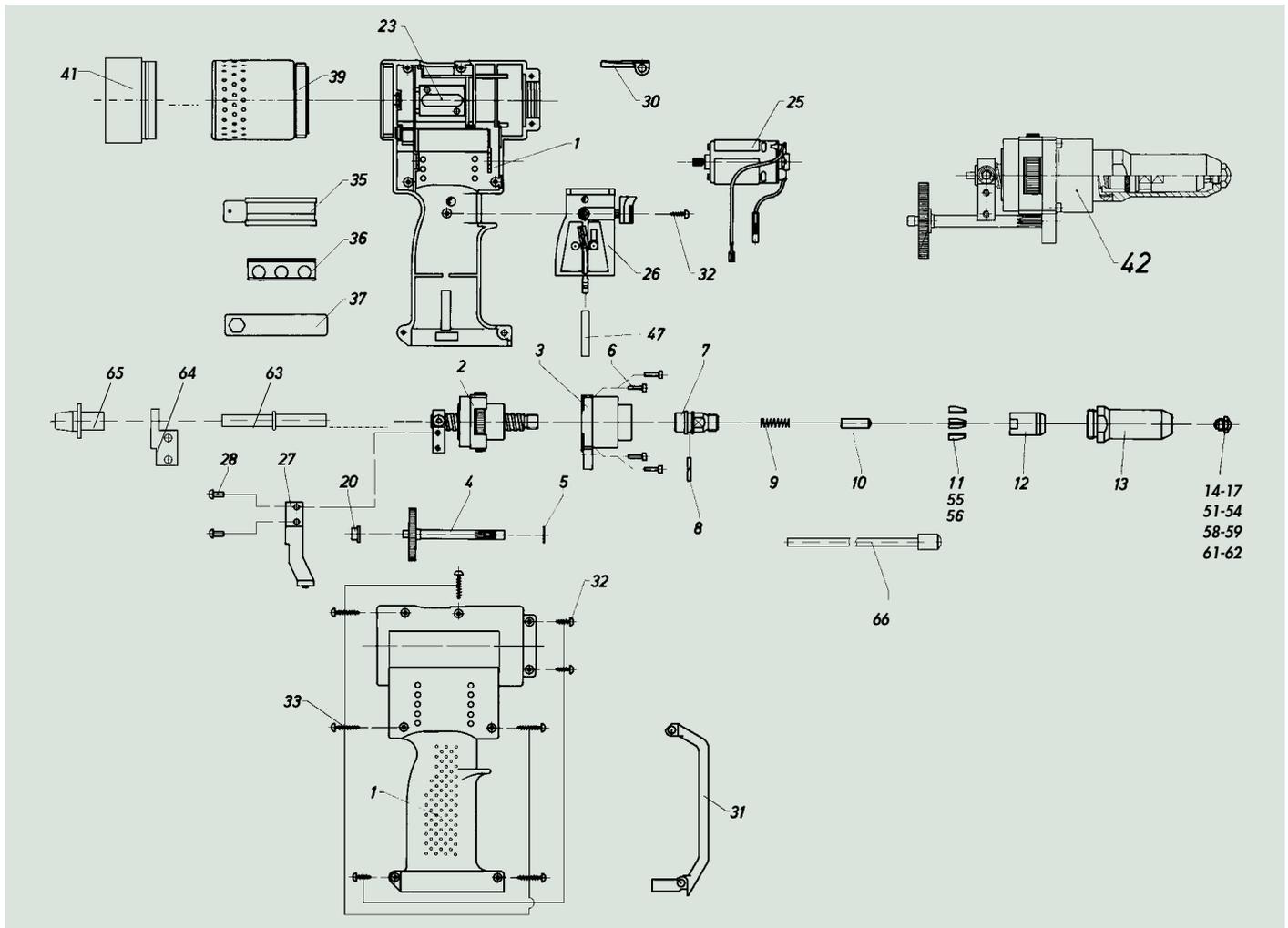


# Battery powered riveting tool PowerBird®

| Part N° | Article-N°        | Description   |
|---------|-------------------|---|
| 1       | <b>724 3014</b>   | Tool housing, complete                                    |
| 2       | <b>724 3189</b>   | Ball screw drive, assembled                               |
| 3       | <b>725 9185</b>   | Drive bearing, complete                                   |
| 4       | <b>725 9193</b>   | Power transfer gear                                       |
| 5       | <b>725 1753</b>   | Snap ring   |
| 6       | <b>725 1982</b>   | Screw   |
| 7       | <b>724 3138</b>   | Jaw housing coupler                                       |
| 8       | <b>725 1745</b>   | Scraper ring  |
| 9       | • <b>724 3081</b> | Jaw pusher spring   |
| 10      | • <b>724 3073</b> | Jaw pusher (for blind rivets $2 \text{ } \varnothing 5$ ) |
| 11      | • <b>710 2208</b> | Jaws (3-parts)  |
| 12      | <b>713 2123</b>   | Jaw housing   |
| 13      | <b>725 1591</b>   | Head  |
| 14      | <b>725 2067</b>   | Nosepiece 17/32   |
| 15      | <b>725 2083</b>   | Nosepiece 17/36   |
| 16      | <b>725 2560</b>   | Nosepiece 17/40   |
| 17      | <b>724 3065</b>   | Nosepiece 17/45   |
| *       |                   | additional nosepieces see page 18 — 21                    |
| 20      | <b>725 1893</b>   | Bush  |
| 23      | <b>725 1737</b>   | Steel track   |
| 25      | <b>724 3103</b>   | Motor, complete   |
| 26      | <b>725 1850</b>   | Electronic control switch                                 |
| 27      | <b>725 9266</b>   | Magnet holder, complete                                   |
| 28      | <b>725 1990</b>   | Magnet holder screw                                       |
| 30      | <b>725 5058</b>   | Suspension loop   |

| Part N° | Article-N°        | Description   |
|---------|-------------------|---|
| 31      | <b>725 1540</b>   | Hand guard  |
| 32      | <b>725 2032</b>   | Housing screw, short                                      |
| 33      | <b>725 2024</b>   | Housing screw, long                                       |
| 35      | <b>725 5023</b>   | Nosepiece magazine  |
| 36      | <b>725 2091</b>   | Nosepiece holder  |
| 37      | <b>725 1834</b>   | Nosepiece wrench  |
| 39      | <b>725 9282</b>   | Spent mandrel container, complete                         |
| 41      | <b>725 9328</b>   | Elongation  |
| 42      | <b>724 3197</b>   | Drive system, complete (Pos. 2-13; 15)                    |
| 46      | <b>725 2555</b>   | Lubricating grease, 40g tube                              |
| 47      | <b>725 5066</b>   | Isolator sleeve   |
| 51      | <b>725 2202</b>   | BULB-TITE® nosepiece 17/26 BT                             |
| 52      | <b>725 2210</b>   | BULB-TITE® nosepiece 17/32 BT                             |
| 53      | <b>725 2229</b>   | BULB-TITE® nosepiece 17/42 BT                             |
| 54      | <b>725 2237</b>   | BULB-TITE® nosepiece 17/48 BT                             |
| 55      | • <b>715 1527</b> | BULB-TITE® jaws (3-part) for 17/48 BT                     |
| 56      | <b>716 1026</b>   | Jaws (3-part) 106/14 for MG                               |
| 58      | <b>725 2250</b>   | MEGA GRIP® nosepiece 17/31 MG                             |
| 59      | <b>724 3146</b>   | MEGA GRIP® nosepiece 17/41 MG                             |
| 61      | <b>725 4116</b>   | Holding nosepiece 17/32 R                                 |
| 62      | <b>725 4124</b>   | Holding nosepiece 17/36 R                                 |
| 63      | <b>724 3286</b>   | PB-tube   |
| 64      | <b>724 3308</b>   | Angle   |
| 65      | <b>724 3316</b>   | P-tube, short   |
| 66      | <b>724 3294</b>   | Jaw pusher (for blind rivets $2 \text{ } \varnothing 5$ ) |

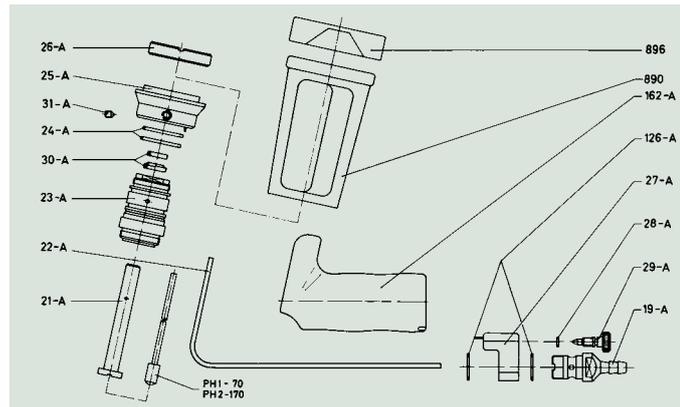
• Wearing parts



# Special accessories for blind riveting tools

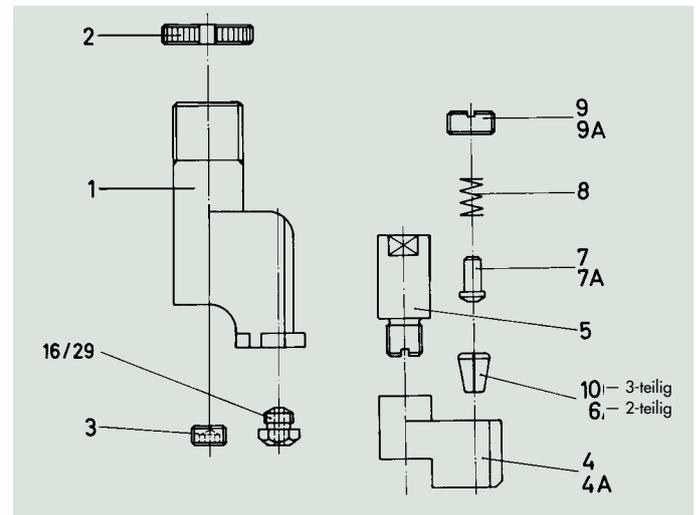
## VAS for PH 1 and PH 2

| Part N° | Article-N°        | Description  |
|---------|-------------------|--|
| 19-A    | <b>728 2192</b>   | Hose fitting   |
| 21-A    | <b>728 2214</b>   | Nozzle tube  |
| 22-A    | • <b>728 2222</b> | Plastic tube   |
| 23-A    | <b>728 2230</b>   | Screw plug, complete with 24-A & 30-A  |
| 24-A    | • <b>728 2249</b> | O-ring set   |
| 25-A    | <b>728 2257</b>   | Connecting ring, complete with 31-A  |
| 26-A    | <b>728 2265</b>   | Groove nut   |
| 27-A    | <b>728 2273</b>   | Valve body   |
| 28-A    | • <b>728 2281</b> | O-ring   |
| 29-A    | <b>728 2303</b>   | Valve screw  |
| 30-A    | • <b>728 2338</b> | Scraper ring set   |
| 31-A    | <b>728 2354</b>   | Locking nut  |
| 126-A   | • <b>728 2311</b> | O-ring set   |
| 162-A   | <b>728 2621</b>   | Grip   |
| 890     | <b>715 8904</b>   | Spent mandrel bottle, complete   |
| 896     | <b>715 8963</b>   | Air deflector  |
| 70      | <b>728 4705</b>   | PH 1-Jaw pusher with nozzle tube for small rivet mandrels up to 2,3 mm Ø         |
| 71      | <b>716 4033</b>   | PH 1-Jaw pusher with reducing tube for 2,4 mm Ø Alu- & 3,2 mm Ø CAP-blind rivets |
| 170     | <b>728 5701</b>   | PH 2-Jaw pusher with nozzle tube for small rivet mandrels up to 2,3 mm Ø         |
| 176     | <b>717 1773</b>   | Universal maintenance wrench MSU   |



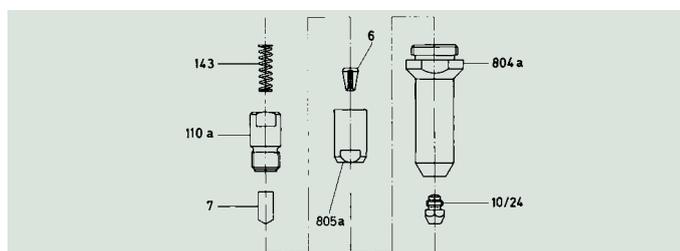
## Angle head for PH 1 and PH 2

| Part N° | Article-N°        | Description                 |
|---------|-------------------|-----------------------------|
| 1       | <b>704 2019</b>   | Body for 3-part jaws        |
| 2       | <b>704 2027</b>   | Knurled nut                 |
| 3       | <b>704 2035</b>   | Lock nut                    |
| 4       | • <b>704 2043</b> | Jaw housing for 3-part-jaws |
| 4 A     | • <b>704 2213</b> | Jaw housing for 2-part jaws |
| 5       | <b>704 2051</b>   | Traction rod                |
| 6 A     | • <b>705 2057</b> | Jaws (2-part) per pair      |
| 7       | <b>704 2078</b>   | Jaw pusher for 3-part jaws  |
| 7 A     | <b>704 2221</b>   | Jaw pusher for 2-part jaws  |
| 8       | • <b>704 2086</b> | Jaw pusher spring           |
| 9       | <b>704 2094</b>   | Screw plug for 3-parts jaw  |
| 9 A     | <b>704 2248</b>   | Screw plug for 2-parts jaw  |
| 16/18   | <b>717 1196</b>   | Nosepiece 16/18             |
| 16/24   | <b>717 1234</b>   | Nosepiece 16/24             |
| 16/27   | <b>717 1277</b>   | Nosepiece 16/27             |
| 16/29   | <b>717 1293</b>   | Nosepiece 16/29             |
| 16/32   | <b>717 1323</b>   | Nosepiece 16/32             |
| 106     | • <b>710 2151</b> | Jaws (3-parts) per set      |



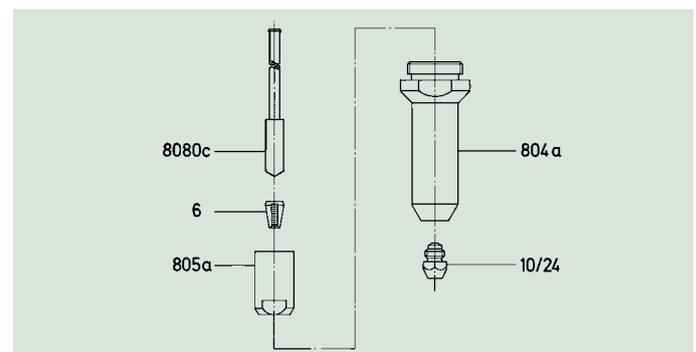
## Small jaw assembly for PH 1 and PH 2

| Part N° | Article-N°        | Description  |
|---------|-------------------|--|
| 6       | • <b>705 2057</b> | Jaws (2-part) per pair   |
| 7       | • <b>716 2073</b> | Jaw pusher   |
| 10/18   | <b>705 1182</b>   | Nosepiece 10/18  |
| 10/24   | <b>705 1247</b>   | Nosepiece 10/24  |
| 10/27   | <b>705 1271</b>   | Nosepiece 10/27  |
| 10/29   | <b>705 1298</b>   | Nosepiece 10/29  |
| 10/32   | <b>705 1328</b>   | Nosepiece 10/32  |
| 71      | <b>716 4033</b>   | PH 1-Jaw pusher with reducing tube for 2,4 mm Ø Alu- & 3,2 mm Ø CAP-blind rivets |
| 110 a   | <b>717 2915</b>   | Jaw housing coupler  |
| 143     | • <b>717 9693</b> | Jaw pusher spring  |
| 804 a   | <b>717 2923</b>   | Head   |
| 805 a   | • <b>717 2907</b> | Jaw housing  |



## Small jaw assembly for PH 2000

| Part N° | Article-N°        | Description            |
|---------|-------------------|------------------------|
| 6       | • <b>705 2057</b> | Jaws (2-part) per pair |
| 10/18   | <b>705 1182</b>   | Nosepiece 10/18        |
| 10/24   | <b>705 1247</b>   | Nosepiece 10/24        |
| 10/27   | <b>705 1271</b>   | Nosepiece 10/27        |
| 10/29   | <b>705 1298</b>   | Nosepiece 10/29        |
| 10/32   | <b>705 1328</b>   | Nosepiece 10/32        |
| 804 a   | <b>717 2923</b>   | Head                   |
| 805 a   | • <b>717 2907</b> | Jaw housing            |
| 8080 c  | • <b>715 1284</b> | Jaw pusher             |

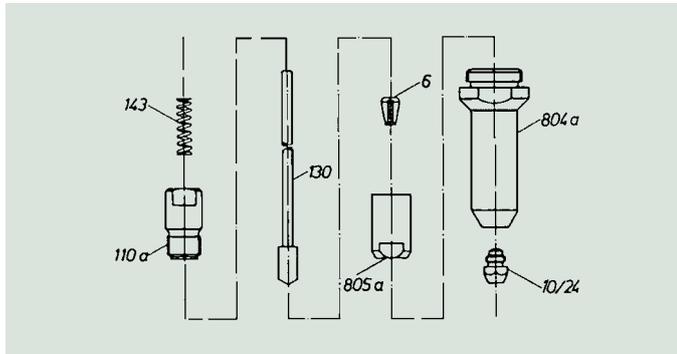


• Wearing parts

# Special accessories for blind riveting tools

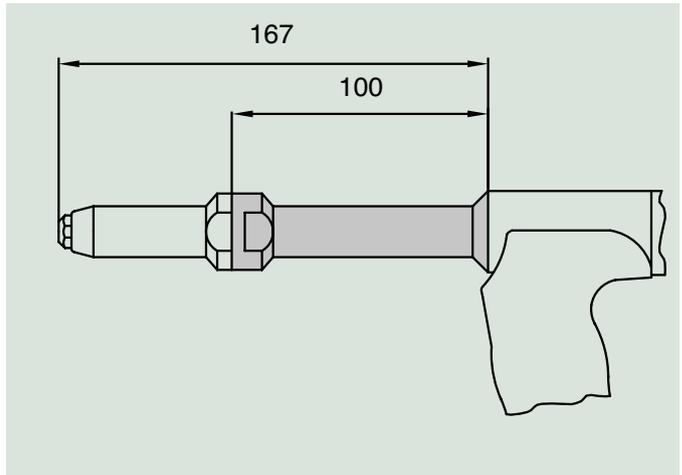
## Small jaw assembly for PH-Axial

| Part N° | Article-N°        | Description   |
|---------|-------------------|---|
| 298     | <b>770 2981</b>   | Small jaw assembly with nosepiece<br>10/24 (by choice with 10/18,<br>10/27, 10/29, 10/32) |
| 6       | • <b>705 2057</b> | Jaws (2-parts) per pair   |
| 10/18   | <b>705 1182</b>   | Nosepiece 10/18   |
| 10/24   | <b>705 1247</b>   | Nosepiece 10/24   |
| 10/27   | <b>705 1271</b>   | Nosepiece 10/27   |
| 10/29   | <b>705 1298</b>   | Nosepiece 10/29   |
| 10/32   | <b>705 1328</b>   | Nosepiece 10/32   |
| 110 α   | <b>717 2915</b>   | Jaw housing coupler   |
| 143     | • <b>717 9693</b> | Jaw pusher spring   |
| 804 α   | <b>717 2923</b>   | Head  |
| 805 α   | • <b>717 2907</b> | Jaw housing   |
| 130     | • <b>770 2302</b> | Jaw pusher with reducing tube<br>for blind rivets up to 4 Ø Alu and Cu                    |



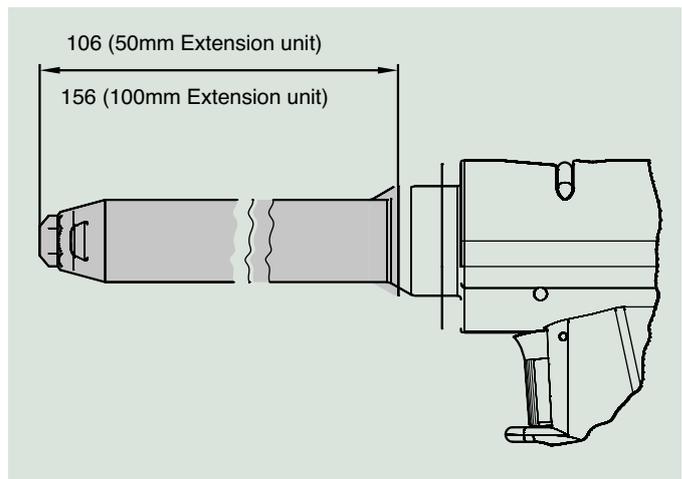
## Extension unit 100 mm

| Article-N°      | Description  |
|-----------------|--|
| <b>717 1641</b> | (2-part)<br>for <b>PH 1</b> and <b>PH 2</b>                |
| <b>715 9994</b> | (3-part) (with jaw pusher extension)<br>for <b>PH 2000</b> |
| <b>712 0419</b> | (2-part)<br>for <b>SN 2</b>                                |
| <b>725 2293</b> | (3-part)<br>for <b>AccuBird®</b>                           |
| <b>724 3278</b> | (3-part)<br>for <b>PowerBird®</b>                          |



## Extension units for TAURUS-SERIES

| Article-N°      | Description                       |
|-----------------|-----------------------------------|
| <b>756 2013</b> | for <b>TAURUS 1</b> (50mm)        |
| <b>756 2015</b> | for <b>TAURUS 1</b> (100mm)       |
| <b>757 1016</b> | for <b>TAURUS 2</b> (50mm)        |
| <b>757 1019</b> | for <b>TAURUS 2</b> (100mm)       |
| <b>758 1021</b> | for <b>TAURUS 3 und 4</b> (50mm)  |
| <b>758 1023</b> | for <b>TAURUS 3 und 4</b> (100mm) |

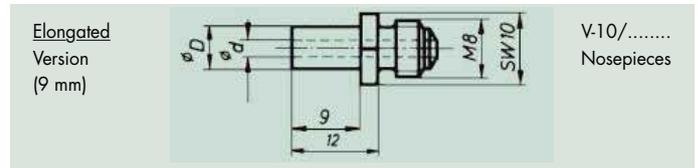
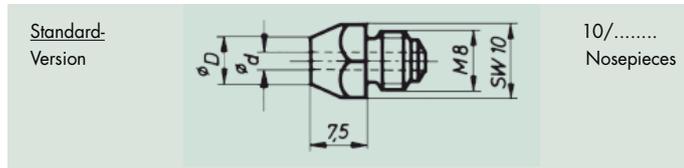


# Nosepieces for Blind Riveting Tools

## NTS, NTS-K, NTX, NTX-F, Flipper, SN 1, PH 1-VK, PH 2-VK and PH 1-L

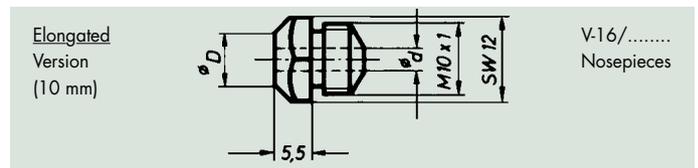
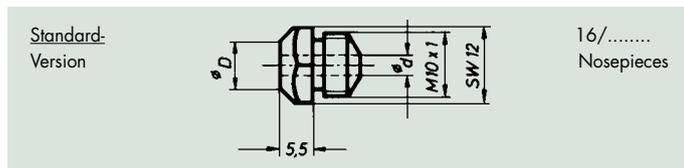
| Rivet-Ø   | Rivet material   | Ø d | Ø D | Standard | Article-No. | Elongated Version (9 mm) | Article-No. |
|-----------|--|-----|-----|----------|-------------|--------------------------|-------------|
| 2,4       | Alu  | 1,8 | 6,0 | 10/18    | 705 1182    | V-10/18                  | 705 9183    |
| 3,2       | CAP-Alu, CAP-Copper  | 1,8 | 6,0 | 10/18    | 705 1182    | V-10/18                  | 705 9183    |
| 3 and 3,2 | Alu, Cu, Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4 | 6,0 | 10/24    | 705 1247    | V-10/24                  | 705 9248    |
| 4         | Alu, Cu  | 2,4 | 6,0 | 10/24    | 705 1247    | V-10/24                  | 705 9248    |
| 4         | Steel, CAP-Alu, CAP-Cu, Alu/Alu, PG-Alu                            | 2,7 | 6,0 | 10/27    | 705 1271    | V-10/27                  | 705 9272    |
| 4         | Stainless Steel, Stinox, PG-Steel                                  | 2,9 | 8,0 | 10/29    | 705 1298    | V-10/29                  | 705 9299    |
| 4,8       | CAP-Alu, CAP-Cu  | 2,9 | 8,0 | 10/29    | 705 1298    | V-10/29                  | 705 9299    |
| 4,8 and 5 | Alu, PG-Alu  | 3,2 | 8,0 | 10/32    | 705 1328    | V-10/32                  | 705 9329    |

|   |         |     |  |         |          |  |  |
|---|---------|-----|--|---------|----------|--|--|
| 4 | Plastic | 3,0 |  | 10/30 K | 705 3304 |  |  |
| 5 | Plastic | 3,5 |  | 10/35 K | 705 3355 |  |  |
| 6 | Plastic | 4,0 |  | 10/40 K | 705 3401 |  |  |



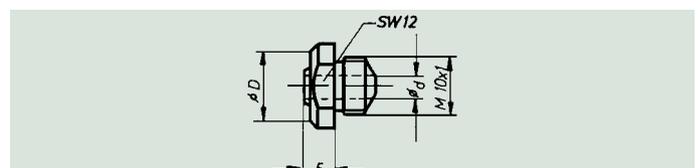
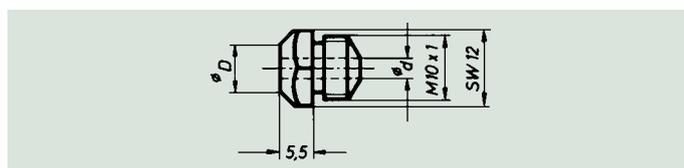
## SN 2, HN 2, PH 1, PH 2, PH 2-KA, PH-Axial and PH 2000

| Rivet-Ø   | Rivet material  | Ø d  | Ø D  | Standard  | Article-No. | Elongated Version (10mm) | Article-No. |
|-----------|---|------|------|-----------|-------------|--------------------------|-------------|
| 2,4       | Alu   | 1,8  | 6,0  | 16/18     | 717 1196    | V-16/18                  | 717 9197    |
| 3,2       | CAP-Alu, CAP-Copper                                     | 1,8  | 6,0  | 16/18     | 717 1196    | V-16/18                  | 717 9197    |
| 3         | Alu, Cu   | 2,0  | 6,0  | 16/20     | 717 1218    | V-16/20                  | 717 9200    |
| 3 and 3,2 | Steel, Stainl. Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4  | 6,0  | 16/24     | 717 1234    | V-16/24                  | 717 9235    |
| 4         | Alu, Cu, CAP-Alu, CAP-Cu                                | 2,4  | 6,0  | 16/24     | 717 1234    | V-16/24                  | 717 9235    |
| 4         | Steel, Alu/Alu, PG-Alu                                  | 2,7  | 8,0  | 16/27     | 717 1277    | V-16/27                  | 717 9278    |
| 4         | Stainless Steel, Stinox, PG-Steel                       | 3,0  | 8,0  | 16/29     | 717 1293    | V-16/29                  | 717 9294    |
| 4,8 and 5 | Alu, CAP-Alu, CAP-Cu, PG-Alu                            | 3,0  | 8,0  | 16/29     | 717 1293    | V-16/29                  | 717 9294    |
| 4,8 and 5 | Steel, Alu/Alu  | 3,35 | 8,0  | 16/32     | 717 1323    | V-16/32                  | 717 9324    |
| 4,8 and 5 | Stainless Steel, Stinox, PG-Steel                       | 3,6  | 10,0 | 16/36     | 717 1366    | V-16/36                  | 717 9367    |
| 6         | Alu   | 3,6  | 10,0 | 16/36     | 717 1366    | V-16/36                  | 717 9367    |
| 6         | Steel   | 4,0  | 10,0 | 16/40     | 717 1390    | *V-16/40                 | 717 9138    |
| 6,4       | Alu, PG-Alu   | 4,0  | 10,0 | 16/40     | 717 1390    | *V-16/40                 | 717 9138    |
| 6,4       | Steel, Alu/Alu  | 4,5  | 10,0 | 16/45     | 717 1455    | V-16/45                  | 717 9456    |
| 4         | Plastic   | 3,0  | 6,0  | * 16/30 K | 714 1300    |                          |             |
| 5         | Plastic   | 3,5  | 6,0  | * 16/35 K | 714 1351    |                          |             |
| 6         | Plastic   | 4,0  | 6,0  | * 16/40 K | 714 1408    |                          |             |



| Rivet-Ø | Rivet material | Ø d | Ø D  | Nosepiece | Article-No. |
|---------|----------------|-----|------|-----------|-------------|
| 4,8     | all MEGA GRIP® | 3,1 | 8,0  | 16/31 MG  | 717 9669    |
| 6,4     | all MEGA GRIP® | 4,2 | 10,0 | 16/41 MG  | 717 9677    |

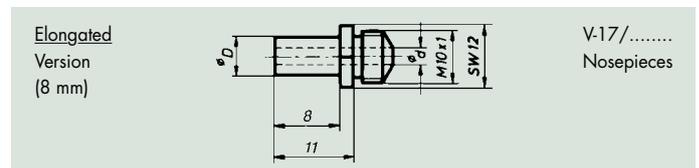
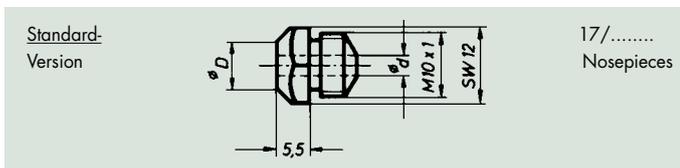
| Rivet-Ø | Rivet material | Ø d  | Ø D  | Nosepiece | Article-No. |
|---------|----------------|------|------|-----------|-------------|
| 4       | all BULB-TITE® | 2,64 | 8,0  | 16/26 BT  | 717 1471    |
| 5,2     | all BULB-TITE® | 3,23 | 10,0 | 16/32 BT  | 717 1498    |
| 6,3     | all BULB-TITE® | 4,2  | 10,0 | 16/42 BT  | 717 1501    |
| 7,7     | all BULB-TITE® | 4,8  | 10,0 | 16/48 BT  | 717 1528    |



# Nosepieces for Blind Riveting Tools

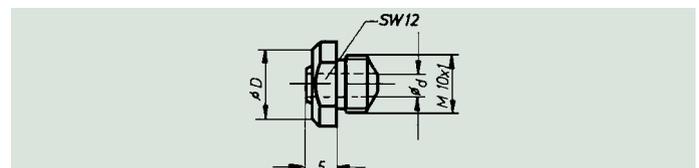
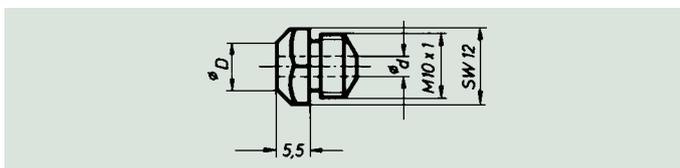
## AccuBird®, PowerBird® and TAURUS

| Rivet-Ø   | Rivet material  | Ø d  | Ø D  | Standard | Article-No. | Elongated Version (8 mm) | Article-No. |
|-----------|---|------|------|----------|-------------|--------------------------|-------------|
| 2,4       | Alu   | 1,8  | 6,0  | 17/18    | 725 2075    | V-17/18                  | 725 2121    |
| 3,2       | CAP-Alu, CAP-Copper   | 1,8  | 6,0  | 17/18    | 725 2075    | V-17/18                  | 725 2121    |
| 3         | Alu/Cu  | 2,0  | 6,0  | 17/20    | 725 2269    |                          |             |
| 3 and 3,2 | Alu, Cu, Steel, Stainl.Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4  | 6,0  | 17/24    | 725 1583    | V-17/24                  | 725 2148    |
| 4         | Alu, Cu, CAP-Alu, CAP-Cu  | 2,4  | 6,0  | 17/24    | 725 1583    | V-17/24                  | 725 2148    |
| 4         | Steel, Alu/Alu, PG-Alu  | 2,7  | 8,0  | 17/27    | 725 2040    | V-17/27                  | 725 2156    |
| 4         | Stainless Steel, Stinox, PG-Steel                               | 3,0  | 8,0  | 17/29    | 725 2059    | V-17/29                  | 725 2164    |
| 4,8 and 5 | Alu, CAP-Alu, CAP-Cu, PG-Alu                                    | 3,0  | 8,0  | 17/29    | 725 2059    | V-17/29                  | 725 2164    |
| 4,8 and 5 | Steel, Alu/Alu  | 3,35 | 8,0  | 17/32    | 725 2067    | V-17/32                  | 725 2172    |
| 4,8 and 5 | Stainless Steel, Stinox, PG-Steel                               | 3,6  | 10,0 | 17/36    | 725 2083    | V-17/36                  | 725 2180    |
| 6         | Alu   | 3,6  | 10,0 | 17/36    | 725 2083    | V-17/36                  | 725 2180    |
| 6         | Steel   | 4,0  | 10,0 | 17/40    | 725 2560    | V-17/40                  | 725 9586    |
| 6,4       | Alu, PG-Alu   | 4,0  | 10,0 | 17/40    | 725 2560    | V-17/40                  | 725 9586    |
| 6,4       | Steel, Alu/Alu  | 4,5  | 10,0 | 17/45    | 724 3065    | * V-17/45                | 724 3154    |



| Rivet-Ø | Rivet material | Ø d | Ø D  | Nosepiece | Article-No. |
|---------|----------------|-----|------|-----------|-------------|
| 4,8     | all MEGA GRIP® | 3,1 | 8,0  | 17/31 MG  | 725 2250    |
| 6,4     | all MEGA GRIP® | 4,2 | 10,0 | 17/41 MG  | 724 3146    |

| Rivet-Ø | Rivet material | Ø d  | Ø D  | Nosepiece | Article-No. |
|---------|----------------|------|------|-----------|-------------|
| 4       | all BULB-TITE® | 2,64 | 8,0  | 17/26 BT  | 725 2202    |
| 5,2     | all BULB-TITE® | 3,23 | 10,0 | 17/32 BT  | 725 2210    |
| 6,3     | all BULB-TITE® | 4,2  | 11,0 | 17/42 BT  | 725 2229    |
| 7,7     | all BULB-TITE® | 4,8  | 10,0 | 17/48 BT  | 725 2237    |

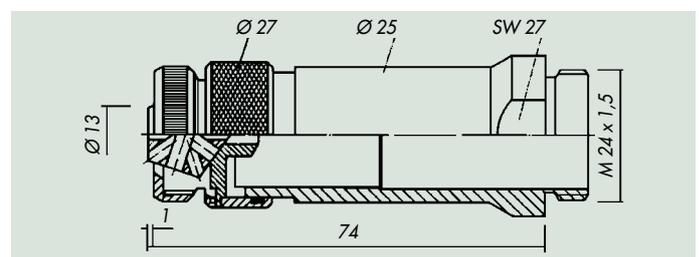
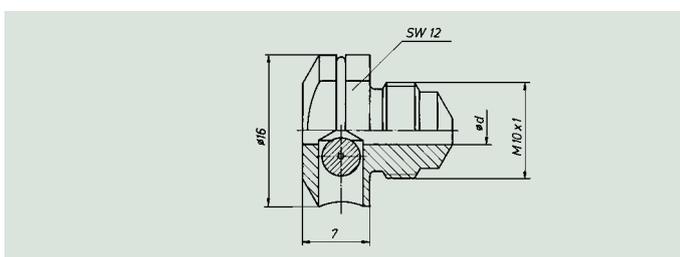


## Holding-Nosepieces for AccuBird® and PowerBird®

| Rivet-Ø | Rivet material   | Ø d  | Nosepiece | Article-No. |
|---------|--|------|-----------|-------------|
| 2,4     | Alu  | 1,85 | 17/18 R   | 725 4078    |
| 3,2     | CAP-Alu, CAP-Copper  | 1,85 | 17/18 R   | 725 4078    |
| 3 & 3,2 | Alu, Cu, Steel, Stainl. Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4  | 17/24 R   | 725 4086    |
| 4       | Alu, Cu, CAP-Alu, CAP-Cu   | 2,4  | 17/24 R   | 725 4086    |
| 4       | Steel, Alu/Alu, PG-Alu   | 2,7  | 17/27 R   | 725 4094    |
| 4       | Stainless Steel, Stinox, PG-Steel                                | 2,9  | 17/29 R   | 725 4108    |
| 4,8 & 5 | Alu, CAP-Alu, CAP-Cu, PG-Alu                                     | 2,9  | 17/29 R   | 725 4108    |
| 4,8 & 5 | Steel, Alu/Alu   | 3,2  | 17/32 R   | 725 4116    |
| 4,8 & 5 | Stainless Steel, Stinox, PG-Steel                                | 3,6  | 17/36 R   | 725 4124    |
| 6       | Alu  | 3,6  | 17/36 R   | 725 4124    |

## Universal-Nosepiece

| Nosepiece relation / working range |  |     | HN 2 SN 2, PH 1, PH 2, PH 2-KA and PH 2000 | AccuBird® and PowerBird® |
|------------------------------------|--|-----|--|--------------------------|
| Rivet-Ø                            | Rivet material   | Ø d |  |                          |
| 2,4                                | Alu  | 1,8 | Article-No. 717 1188                       | Article-No. 725 1637     |
| 3,2                                | CAP-Alu, CAP-Copper  | 1,8 |  |                          |
| 3 & 3,2                            | Alu, Cu, Steel, Stainl. Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4 |  |                          |
| 4                                  | Alu, Cu, CAP-Alu, CAP-Cu   | 2,4 |  |                          |
| 4                                  | Steel, Alu/Alu, PG-Alu   | 2,7 |  |                          |
| 4                                  | Stainless Steel, Stinox, PG-Steel                                | 2,9 |  |                          |
| 4,8 & 5                            | Alu, CAP-Alu, CAP-Cu, PG-Alu                                     | 2,9 |  |                          |
| 4,8 & 5                            | Steel, Alu/Alu   | 3,2 |  |                          |



# Special Nosepieces for Blind Riveting Tools

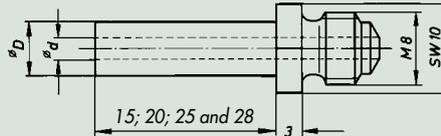
(Delivery time to be inquired)

## Nosepieces with special length for Blind Riveting Tools

NTS, NTS-K, NTX, NTX-F, Flipper, SN 1, PH 1-VK, PH 2-VK and PH 1-L

| Rivet-Ø   | Rivet material   | Ø d | Ø D | Nosepiece   | Special length |          |          |          |
|-----------|--|-----|-----|-------------|----------------|----------|----------|----------|
|           |  |     |     |             | 15 mm          | 20 mm    | 25 mm    | 28 mm    |
| 3 and 3,2 | Alu, Cu, Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4 | 6,5 | 10/24 SL... | 705 9388       | 705 9361 | 705 9396 | 705 9418 |
| 4         | Alu, Cu  | 2,4 | 6,5 | 10/24 SL... | 705 9388       | 705 9361 | 705 9396 | 705 9418 |
| 4         | Steel, CAP-Alu, CAP-Cu, Alu/Alu, PG-Alu                            | 2,7 | 7,0 | 10/27 SL... | 705 9426       | 705 9434 | 705 9442 | 705 9450 |
| 4         | Stainless Steel, Stinox, PG-Steel                                  | 2,9 | 8,0 | 10/29 SL... | 705 9469       | 705 9477 | 705 9485 | 705 9493 |
| 4,8       | CAP-Alu, CAP-Cu  | 2,9 | 8,0 | 10/29 SL... | 705 9469       | 705 9477 | 705 9485 | 705 9493 |
| 4,8 and 5 | Alu, PG-Alu  | 3,2 | 8,0 | 10/32 SL... | 705 9507       | 705 9515 | 705 9523 | 705 9531 |

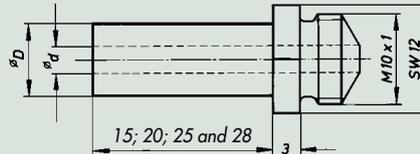
ATTENTION! Blind Rivets must be ordered as a non standard rivet with an elongated mandrel!



## SN 2, HN 2, PH 1, PH 2, PH 2-KA, PH-Axial and PH 2000

| Rivet-Ø   | Rivet material   | Ø d  | Ø D  | Nosepiece   | Special length |          |          |          |
|-----------|--|------|------|-------------|----------------|----------|----------|----------|
|           |  |      |      |             | 15 mm          | 20 mm    | 25 mm    | 28 mm    |
| 3 and 3,2 | Alu, Cu, Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4  | 6,0  | 16/24 SL... | 717 9723       | 717 9731 | 717 9758 | 717 9766 |
| 4         | Alu, Cu  | 2,4  | 6,0  | 16/24 SL... | 717 9723       | 717 9731 | 717 9758 | 717 9766 |
| 4         | Steel, PG-Alu  | 2,7  | 8,0  | 16/27 SL... | 717 9774       | 717 9782 | 717 9790 | 717 9804 |
| 4         | Stainless Steel, Stinox, PG-Steel                                  | 3,0  | 8,0  | 16/29 SL... | 717 9812       | 717 9820 | 717 9839 | 717 9847 |
| 4,8 and 5 | Alu, PG-Alu  | 3,0  | 8,0  | 16/29 SL... | 717 9812       | 717 9820 | 717 9839 | 717 9847 |
| 4,8 and 5 | Steel  | 3,35 | 8,0  | 16/32 SL... | 717 9855       | 717 9863 | 717 9871 | 717 9898 |
| 4,8 and 5 | Stainless Steel, Stinox, PG-Steel                                  | 3,6  | 10,0 | 16/36 SL... | 717 9901       | 717 9928 | 717 9936 | 717 9944 |
| 6         | Alu  | 3,6  | 10,0 | 16/36 SL... | 717 9901       | 717 9928 | 717 9936 | 717 9944 |
| 6,4       | Alu, PG-Alu  | 4,0  | 10,0 | 16/40 SL... | 717 9073       | 717 9081 | 717 9103 |          |
| 6,4       | Stahl, Alu/Alu   | 4,5  | 10,0 | 16/45 SL... | 717 9030       | 717 9049 | 717 9057 |          |

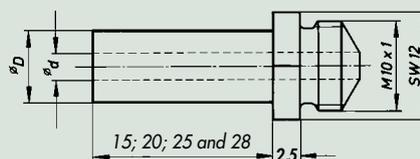
ATTENTION! Blind Rivets must be ordered as a non standard rivet with an elongated mandrel!



## AccuBird®, PowerBird® and TAURUS

| Rivet-Ø   | Rivet material   | Ø d  | Ø D  | Nosepiece   | Special length |          |          |          |
|-----------|--|------|------|-------------|----------------|----------|----------|----------|
|           |  |      |      |             | 15 mm          | 20 mm    | 25 mm    | 28 mm    |
| 3 and 3,2 | Alu, Cu, Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4  | 6,0  | 17/24 SL... | 725 9344       | 725 9352 | 725 9360 | 725 9379 |
| 4         | Alu, Cu  | 2,4  | 6,0  | 17/24 SL... | 725 9344       | 725 9352 | 725 9360 | 725 9379 |
| 4         | Steel, PG-Alu  | 2,7  | 8,0  | 17/27 SL... | 725 9387       | 725 9395 | 725 9409 | 725 9417 |
| 4         | Stainless Steel, Stinox, PG-Steel                                  | 3,0  | 8,0  | 17/29 SL... | 725 9425       | 725 9433 | 725 9441 | 725 9468 |
| 4,8 and 5 | Alu, PG-Alu  | 3,0  | 8,0  | 17/29 SL... | 725 9425       | 725 9433 | 725 9441 | 725 9468 |
| 4,8 and 5 | Steel  | 3,35 | 8,0  | 17/32 SL... | 725 9476       | 725 9484 | 725 9492 | 725 9506 |
| 4,8 and 5 | Stainless Steel, Stinox, PG-Steel                                  | 3,6  | 10,0 | 17/36 SL... | 725 9514       | 725 9522 | 725 9530 | 725 9549 |
| 6         | Alu/Alu  | 3,6  | 10,0 | 17/36 SL... | 725 9514       | 725 9522 | 725 9530 | 725 9549 |
| 6         | Steel  | 4,0  | 10,0 | 17/40 SL... | 725 9582       | 725 9583 | 725 9584 | 725 9585 |
| 6,4       | Alu, PG-Alu  | 4,0  | 10,0 | 17/40 SL... | 725 9582       | 725 9583 | 725 9584 | 725 9585 |

ATTENTION! Blind Rivets must be ordered as a non standard rivet with an elongated mandrel!



# Special Nosepieces for Blind Riveting Tools

(Delivery time to be inquired)

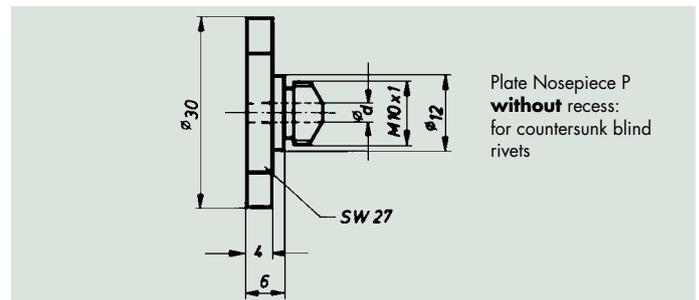
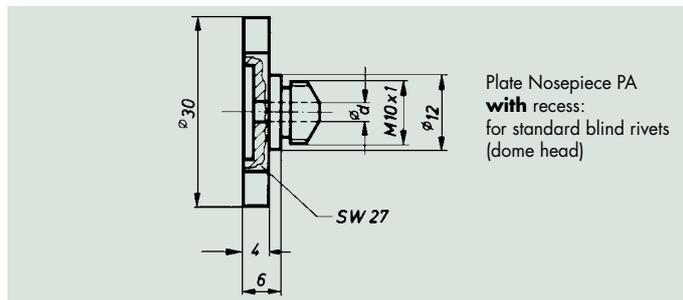
## Plate Nosepieces (for riveting soft and brittle materials)

SN 2, HN 2, PH 1, PH 2, PH 2-KA, PH-Axial and PH 2000

| Rivet-Ø   | Rivet material   | Ø d  | Nosepiece  | Article-No. dome head | Nosepiece | Article-No. Countersunk head |
|-----------|--|------|------------|-----------------------|-----------|------------------------------|
| 3 and 3,2 | Alu, Cu, Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4  | PA 16/24   | 710 1430              | P 16/24   | 710 1236                     |
| 4         | Alu, Cu, CAP-Alu, CAP-Cu   | 2,4  | PA 16/24   | 710 1430              | P 16/24   | 710 1236                     |
| 4         | Steel, Alu/Alu, PG-Alu   | 2,7  | PA 16/27   | 710 1473              | P 16/27   | 710 1279                     |
| 4         | Stainless Steel, Stinox, PG-Steel                                  | 3,0  | PA 16/29   | 710 1503              | P 16/29   | 710 1287                     |
| 4,8 and 5 | Alu, CAP-Alu, CAP-Cu, PG-Alu                                       | 3,0  | PA 16/29   | 710 1503              | P 16/29   | 710 1287                     |
| 5         | Alu-/Large Flange K 11 and K 14                                    | 3,0  | PA 16/29 K | 710 1309              | —         | —                            |
| 4,8 and 5 | Steel, Alu/Alu   | 3,35 | PA 16/32   | 710 1317              | P 16/32   | 710 1384                     |
| 4,8 and 5 | Stainless Steel, Stinox, PG-Steel                                  | 3,6  | PA 16/36   | 710 1562              | P 16/36   | 710 1376                     |
| 6         | Alu  | 3,6  | PA 16/36   | 710 1619              | P 16/36   | 710 1376                     |

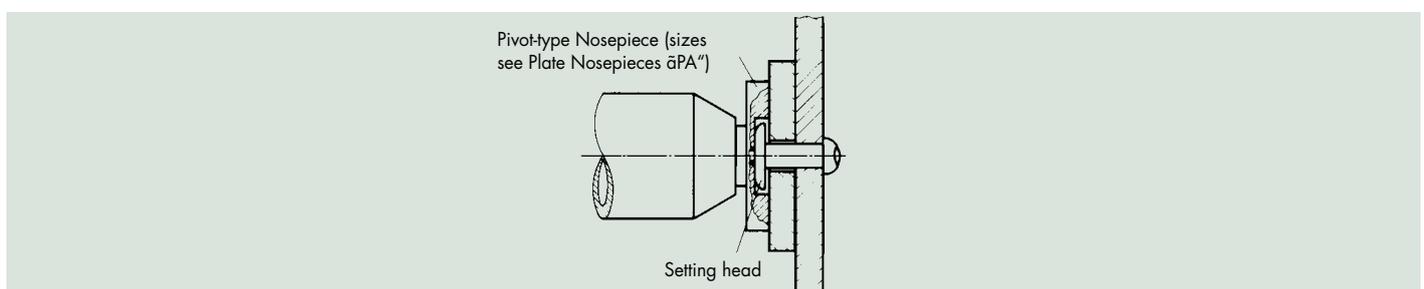
## AccuBird®, PowerBird® and TAURUS

| Rivet-Ø   | Rivet material   | Ø d  | Nosepiece  | Article-No. dome head | Nosepiece | Article-No. Countersunk head |
|-----------|--|------|------------|-----------------------|-----------|------------------------------|
| 3 and 3,2 | Alu, Cu, Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4  | PA 17/24   | 725 3101              | P 17/24   | 725 3209                     |
| 4         | Alu, Cu, CAP-Alu, CAP-Cu   | 2,4  | PA 17/24   | 725 3101              | P 17/24   | 725 3209                     |
| 4         | Steel, Alu/Alu, PG-Alu   | 2,7  | PA 17/27   | 725 3128              | P 17/27   | 725 3217                     |
| 4         | Stainless Steel, Stinox, PG-Steel                                  | 3,0  | PA 17/29   | 725 3306              | P 17/29   | 725 3225                     |
| 4,8 and 5 | Alu, CAP-Alu, CAP-Cu, PG-Alu                                       | 3,0  | PA 17/29   | 725 3306              | P 17/29   | 725 3225                     |
| 5         | Alu-/Large Flange K 11 and K 14                                    | 3,0  | PA 17/29 K | 725 3136              | —         | —                            |
| 4,8 and 5 | Steel, Alu/Alu   | 3,35 | PA 17/32   | 725 3144              | P 17/32   | 725 3233                     |
| 4,8 and 5 | Stainless Steel, Stinox, PG-Steel                                  | 3,6  | PA 17/36   | 725 3152              | P 17/36   | 725 3241                     |
| 6         | Alu  | 3,6  | PA 17/36   | 725 3152              | P 17/36   | 725 3241                     |



## Pivot-type Nosepieces (for the production of pivot-type fastenings)

| Rivet-Ø   | Rivet material   | Ø d  | Nosepiece  | Article-No. | Nosepiece  | Article-No. |
|-----------|--|------|------------|-------------|------------|-------------|
| 3 and 3,2 | Alu, Cu, Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel | 2,4  | PG 16/24   | 710 1570    | PG 17/24   | 725 3020    |
| 4         | Alu, Cu, CAP-Alu, CAP-Cu   | 2,4  | PG 16/24   | 710 1570    | PG 17/24   | 725 3020    |
| 4         | Steel, Alu/Alu, PG-Alu   | 2,7  | PG 16/27   | 710 1589    | PG 17/27   | 725 3039    |
| 4         | Stainless Steel, Stinox, PG-Steel                                  | 3,0  | PG 16/29   | 710 1333    | PG 17/29   | 725 3276    |
| 4,8 and 5 | Alu, CAP-Alu, CAP-Cu, PG-Alu                                       | 3,0  | PG 16/29   | 710 1333    | PG 17/29   | 725 3276    |
| 5         | Alu-/Large Flange K 11 and K 14                                    | 3,0  | PG 16/29 K | 710 1414    | PG 17/29 K | 725 3047    |
| 4,8 and 5 | Steel, Alu/Alu   | 3,35 | PG 16/32   | 710 1325    | PG 17/32   | 725 3055    |
| 4,8 and 5 | Stainless Steel, Stinox, PG-Steel                                  | 3,6  | PG 16/36   | 710 1597    | PG 17/36   | 725 3063    |
| 6         | Alu  | 3,6  | PG 16/36   | 710 1597    | PG 17/36   | 725 3063    |



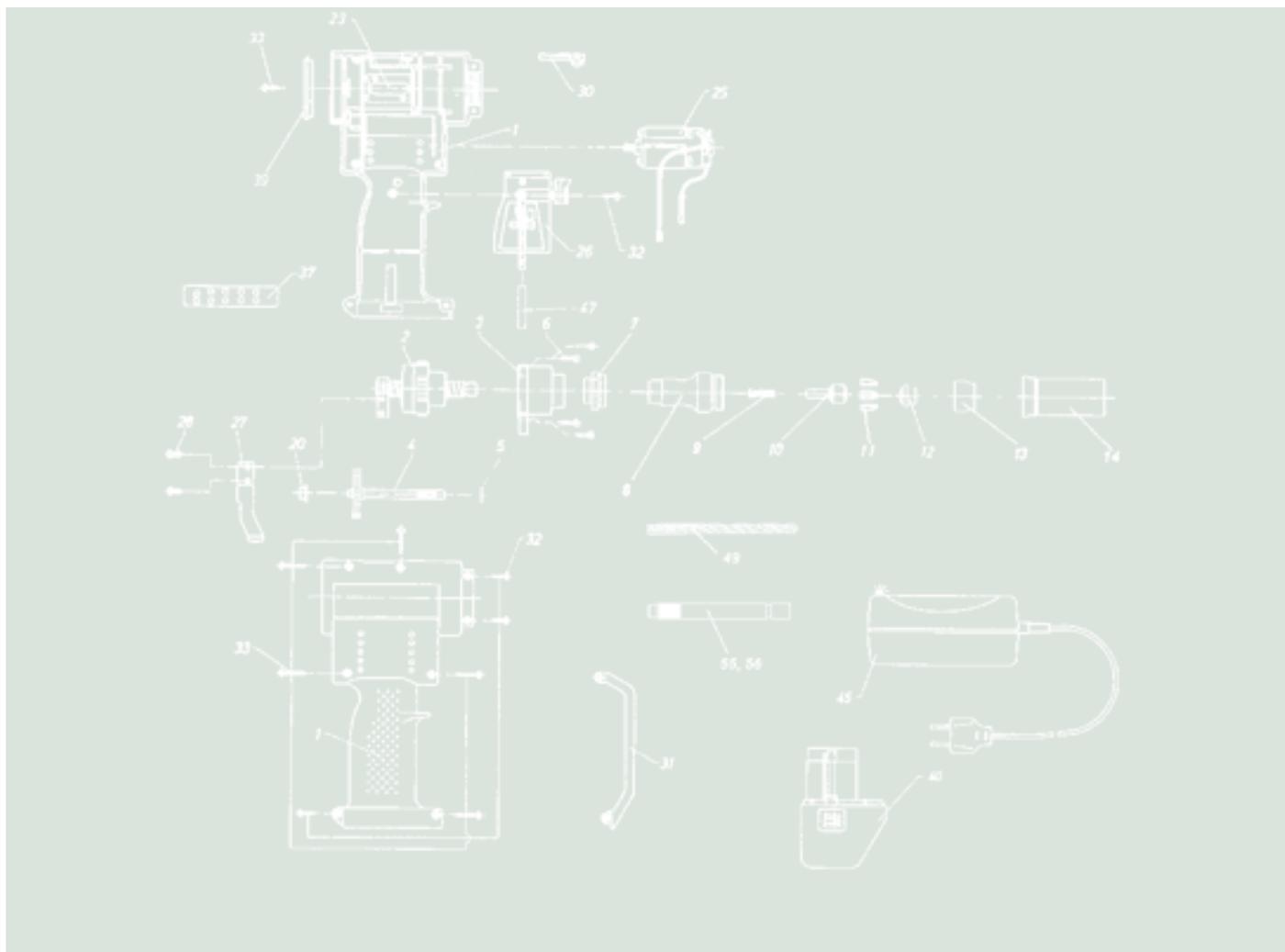
# Battery powered punching tool

## PunchBird

| Spare part N°. | Article- N°.    | Description                   |
|----------------|-----------------|-------------------------------|
| 1              | <b>771 1019</b> | Tool housing, green, complete |
| 2              | <b>724 3189</b> | Ball screw drive, complete    |
| 3              | <b>725 9185</b> | Drive bearing, complete       |
| 4              | <b>725 9193</b> | Power transfer gear           |
| 5              | <b>725 1753</b> | Snap ring                     |
| 6              | <b>725 1982</b> | Screw                         |
| 7              | <b>771 1004</b> | Jaw housing coupler           |
| 8              | <b>771 1001</b> | Jaw housing                   |
| 9 •            | <b>771 1007</b> | Pressure spring               |
| 10 •           | <b>771 1005</b> | Pushing rod                   |
| 11 •           | <b>756 1172</b> | Set of jaws (3 pcs.)          |
| 12 •           | <b>771 1006</b> | Nosepiece                     |
| 13             | <b>771 1002</b> | Lock nut                      |
| 14             | <b>771 1003</b> | Head                          |
| 20             | <b>725 1893</b> | Bush                          |
| 23             | <b>725 1737</b> | Steel track                   |
| 25             | <b>724 3103</b> | Engine, complete              |
| 26             | <b>725 1850</b> | Electronic contr. switch      |
| 27             | <b>725 9266</b> | Magnet holder, complete       |

| Spare part N°. | Article- N°.    | Description                           |
|----------------|-----------------|---------------------------------------|
| 28             | <b>725 1990</b> | Magnet holder screw                   |
| 30             | <b>725 5058</b> | Suspension loop                       |
| 31             | <b>725 1540</b> | Hand guard                            |
| 32             | <b>725 2032</b> | Housing screw, short                  |
| 33             | <b>725 2024</b> | Housing screw, long                   |
| 37             | <b>724 3332</b> | Cover                                 |
| 39             | <b>724 3375</b> | Rear cover                            |
| 40             | <b>725 1045</b> | Quick charge battery 12V/2,0Ah        |
| 45             | <b>725 1035</b> | Quick charger 230V/12V                |
| 47             | <b>725 5066</b> | Isolator sleeve                       |
| 49             | <b>771 1008</b> | Drill Ø 11,0 mm                       |
|                | <b>771 0002</b> | Punching tool, dia. 15,2 mm, complete |
|                | <b>771 0003</b> | Punching tool, dia. 18,6 mm, complete |
|                | <b>771 0004</b> | Punching tool, dia. 20,4 mm, complete |
|                | <b>771 0005</b> | Punching tool, dia. 22,5 mm, complete |
|                | <b>771 0006</b> | Punching tool, dia. 28,3 mm, complete |
|                | <b>771 0007</b> | Punching tool, dia. 16,0 mm, complete |
|                | <b>771 0008</b> | Punching tool, dia. 32,0 mm, complete |
|                | <b>771 0009</b> | Punching tool, dia. 35,0 mm, complete |

• Wearing parts

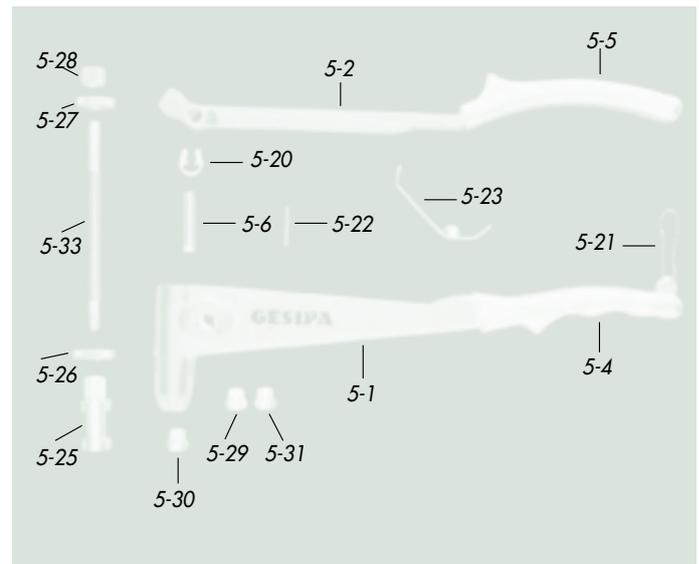


# Handtools for blind rivet nuts

## GBM 5

| Spare part N°. | Article-N°.     | Description                    |
|----------------|-----------------|--------------------------------|
| 5-1            | <b>723 2012</b> | Body                           |
| 5-2            | <b>723 2020</b> | Handle                         |
| 5-4            | <b>703 2056</b> | Grip for body No. 5-1          |
| 5-5            | <b>703 2064</b> | Grip for handle No. 5-2        |
| 5-6            | <b>723 2063</b> | Pin                            |
| 5-20           | <b>723 2209</b> | Circlip                        |
| 5-21           | <b>703 2226</b> | Chain                          |
| 5-22           | <b>703 2234</b> | Rollpin                        |
| 5-23 •         | <b>703 2242</b> | Opening spring                 |
| 5-25           | <b>723 2241</b> | Sleeve                         |
| 5-26           | <b>723 2268</b> | Adjustment ring (with stopper) |
| 5-27           | <b>723 2276</b> | Hand nut                       |
| 5-28           | <b>723 2284</b> | Lock nut                       |
| 5-29           | <b>723 2292</b> | Nosepiece M 4                  |
| 5-30           | <b>723 2306</b> | Nosepiece M 5                  |
| 5-31           | <b>723 2314</b> | Nosepiece M 6                  |
| 5-32 •         | <b>723 2322</b> | Threaded mandrel M 4           |
| 5-33 •         | <b>723 2330</b> | Threaded mandrel M 5           |
| 5-34 •         | <b>723 2349</b> | Threaded mandrel M 6           |
| 17             | <b>705 2170</b> | Maintenance wrench — 10 mm     |

• Wearing parts



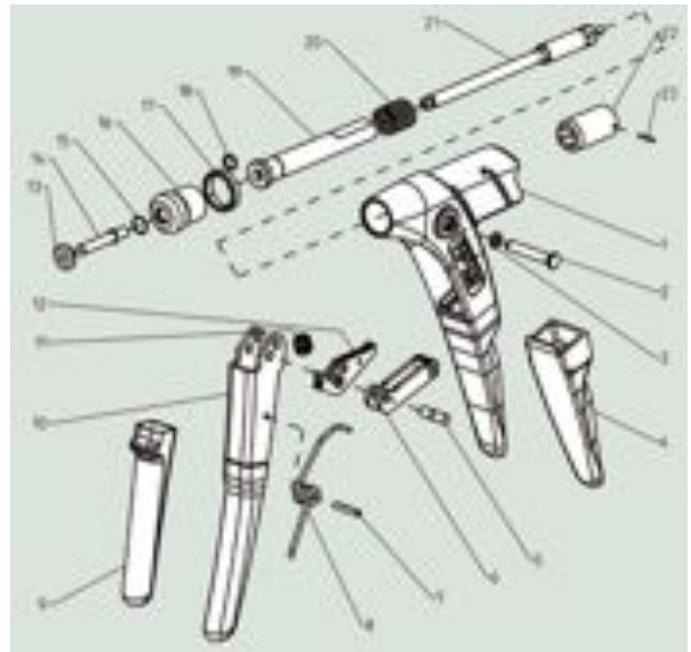
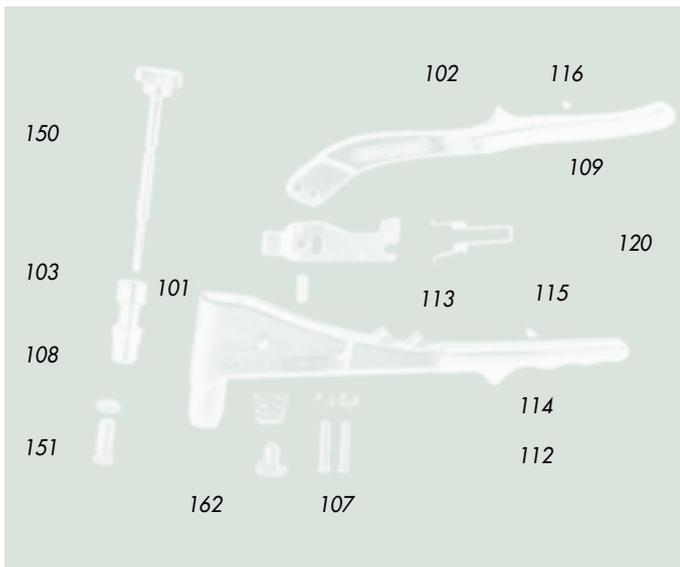
# Handtools for blind rivet nuts

## GBM 10

| Spare part N°. | Article-N°.       | Description               |
|----------------|-------------------|---------------------------|
| 101            | <b>720 2016</b>   | Body with grip 115        |
| 102            | <b>720 2024</b>   | Handle with grip 116      |
| 103            | <b>720 2032</b>   | Traction sleeve           |
| 107            | <b>720 2075</b>   | Stroke adjustment screw   |
| 108            | <b>720 2083</b>   | Lock nut                  |
| 109            | <b>705 2103</b>   | Lever                     |
| 112            | <b>705 2138</b>   | Pivot pin                 |
| 113            | <b>705 2111</b>   | Fulcrum pin               |
| 114            | <b>705 2146</b>   | Snap ring                 |
| 115            | <b>720 2156</b>   | Grip for body No. 101     |
| 116            | <b>720 2164</b>   | Grip for handle No. 102   |
| 120            | • <b>705 4203</b> | Opening spring            |
| 130            | • <b>720 2326</b> | Threaded mandrel M 3      |
| 140            | • <b>720 2407</b> | Threaded mandrel M 4      |
| 150            | • <b>720 2504</b> | Threaded mandrel M 5      |
| 160            | • <b>720 2601</b> | Threaded mandrel M 6      |
| 131            | <b>720 2318</b>   | Nosepiece M 3             |
| 141            | <b>720 2415</b>   | Nosepiece M 4 and 8-32"   |
| 151            | <b>720 2512</b>   | Nosepiece M 5 and 10-32"  |
| 161            | <b>720 2628</b>   | Nosepiece M 6 and 1/4-20" |
| 162            | <b>720 2636</b>   | Tension spring            |
| A 140          | <b>720 2652</b>   | Threaded mandrel 8-32"    |
| A 150          | <b>720 2644</b>   | Threaded mandrel 10-32"   |
| A 160          | <b>720 2660</b>   | Threaded mandrel 1/4-20"  |

## FireFly

| Spare part N°. | Article-N°.     | Description                   |
|----------------|-----------------|-------------------------------|
| 1              | <b>702 1018</b> | Body compl. with grip         |
| 2              | <b>701 2055</b> | Fulcrum pin                   |
| 3              | <b>701 2063</b> | Snap ring                     |
| 4              | <b>701 2020</b> | Grip for body N° 1            |
| 5              | <b>701 2187</b> | Bolt                          |
| 6              | <b>701 2160</b> | Traction arm                  |
| 7              | <b>701 2217</b> | Spring retaining pin          |
| 8              | <b>701 2195</b> | Opening spring                |
| 9              | <b>701 2152</b> | Grip for lever N° 10          |
| 10             | <b>702 1019</b> | Actuation lever with grip     |
| 11             | <b>701 2209</b> | Locking spring                |
| 12             | <b>701 2179</b> | Locking arm (3-parts) per Set |
| 13 / M3        | <b>702 1008</b> | Nosepiece                     |
| 13 / M4        | <b>702 1007</b> | Nosepiece                     |
| 13 / M5        | <b>702 1006</b> | Nosepiece                     |
| 13 / M6        | <b>702 1010</b> | Nosepiece                     |
| 14 / M3        | <b>702 1015</b> | Threaded mandrel              |
| 14 / M4        | <b>702 1014</b> | Threaded mandrel              |
| 14 / M5        | <b>702 1013</b> | Threaded mandrel              |
| 14 / M6        | <b>702 1026</b> | Threaded mandrel              |
| 15             | <b>756 1997</b> | O - Ring                      |
| 16             | <b>702 1012</b> | Nosepiece                     |
| 17             | <b>702 1005</b> | Knurled nut                   |
| 18             | <b>702 1021</b> | Snap ring                     |
| 19             | <b>702 1024</b> | Traction rod compl.           |
| 20             | <b>701 2136</b> | Reset spring                  |
| 21             | <b>702 1023</b> | Adjustment unit               |
| 22             | <b>702 1011</b> | Knurled grip                  |
| 23             | <b>702 1020</b> | Split pin                     |



# Handtools for blind rivet nuts

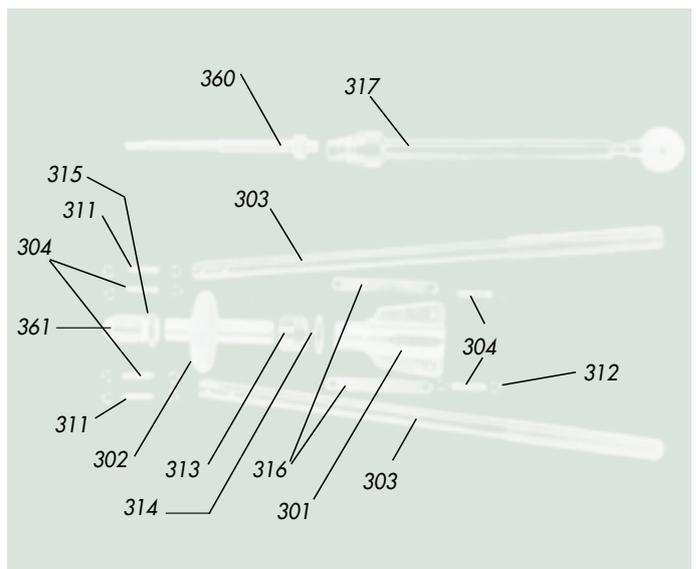
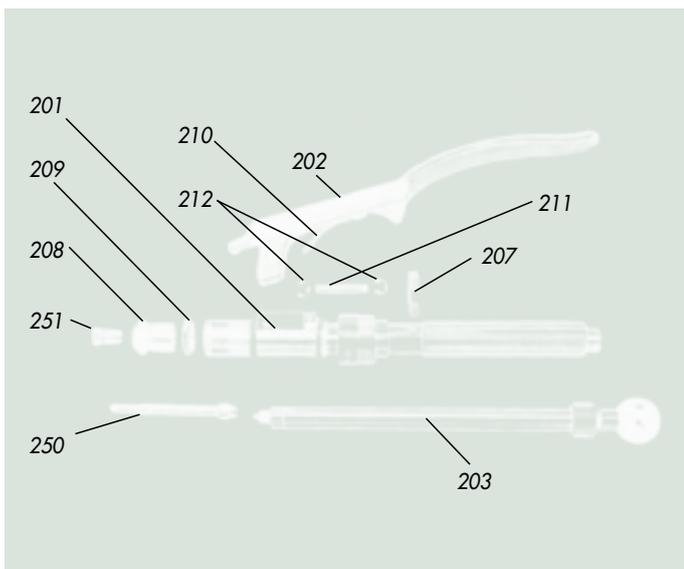
## GBM 20

| Spare part N°. | Article-N°.     | Description                                    |
|----------------|-----------------|--|
| 201            | <b>721 2011</b> | Body with stroke adjustment knob and guide rod |
| 202            | <b>721 2038</b> | Handle with leaf spring and screw              |
| 203            | <b>721 2046</b> | Drill unit, complete                           |
| 207            | <b>721 2070</b> | Lock nut (M 26 x 1,5)                          |
| 208            | <b>721 2089</b> | Nosepiece casing                               |
| 209            | <b>721 2097</b> | Lock nut (M 20 x 1,5)                          |
| 210            | <b>721 2100</b> | Leaf spring and screw for handle               |
| 211            | <b>721 2119</b> | Fulcrum pin                                    |
| 212            | <b>721 2127</b> | Snap ring                                      |
| 230 •          | <b>721 2305</b> | Threaded mandrel M 3                           |
| 240 •          | <b>721 2402</b> | Threaded mandrel M 4                           |
| 250 •          | <b>721 2496</b> | Threaded mandrel M 5                           |
| 260 •          | <b>721 2607</b> | Threaded mandrel M 6                           |
| 231            | <b>721 2313</b> | Nosepiece M 3                                  |
| 241            | <b>721 2410</b> | Nosepiece M 4                                  |
| 251            | <b>721 2518</b> | Nosepiece M 5                                  |
| 261            | <b>721 2615</b> | Nosepiece M 6                                  |
| A 240          | <b>721 2658</b> | Threaded mandrel 8-32"                         |
| A 250          | <b>721 2623</b> | Threaded mandrel 10-32"                        |
| A 260          | <b>721 2631</b> | Threaded mandrel 1/4-20"                       |
| A 241          | <b>721 2666</b> | Nosepiece 8-32"                                |
| A 251          | <b>721 2674</b> | Nosepiece 10-32"                               |
| A 261          | <b>721 2682</b> | Nosepiece 1/4-20"                              |

## GBM 30

| Spare part N°. | Article-N°.     | Description               |
|----------------|-----------------|---------------------------|
| 301            | <b>722 2017</b> | Body with bearing         |
| 302            | <b>722 2025</b> | Lever arm guide case      |
| 303            | <b>722 2033</b> | Lever arm                 |
| 304            | <b>722 2041</b> | Pivot pin                 |
| 311            | <b>722 2114</b> | Pivot pin (lever)         |
| 312            | <b>721 2127</b> | Snap ring                 |
| 313            | <b>722 2130</b> | Stroke adjustment knob    |
| 314            | <b>722 2149</b> | Lock nut (M 26 x 1,5)     |
| 315            | <b>722 2157</b> | Lock nut (M 20 x 1,5)     |
| 316            | <b>722 2165</b> | Pivot arm                 |
| 317            | <b>722 2173</b> | Drill unit, complete      |
| 330 •          | <b>722 3005</b> | Threaded mandrel M 3      |
| 340 •          | <b>722 3021</b> | Threaded mandrel M 4      |
| 350 •          | <b>722 2505</b> | Threaded mandrel M 5      |
| 360 •          | <b>722 2602</b> | Threaded mandrel M 6      |
| 380 •          | <b>722 2807</b> | Threaded mandrel M 8      |
| 390 •          | <b>722 2904</b> | Threaded mandrel M 10     |
| 331            | <b>722 3013</b> | Nosepiece M 3             |
| 341            | <b>722 3048</b> | Nosepiece M 4             |
| 351            | <b>722 2513</b> | Nosepiece M 5             |
| 361            | <b>722 2610</b> | Nosepiece M 6             |
| 381            | <b>722 2815</b> | Nosepiece M 8             |
| 391            | <b>722 2912</b> | Nosepiece M 10            |
| A 350          | <b>722 2319</b> | Threaded mandrel 10-32"   |
| A 360          | <b>722 2939</b> | Threaded mandrel 1/4-20"  |
| A 380          | <b>722 2920</b> | Threaded mandrel 5/16-18" |
| A 390          | <b>722 2947</b> | Threaded mandrel 3/8-16"  |
| A 351          | <b>722 2513</b> | Nosepiece 10-32" (M 5)    |
| A 361          | <b>722 2955</b> | Nosepiece 1/4-20"         |
| A 381          | <b>722 2963</b> | Nosepiece 5/16-18"        |
| A 391          | <b>722 2971</b> | Nosepiece 3/8-16"         |

• Wearing parts

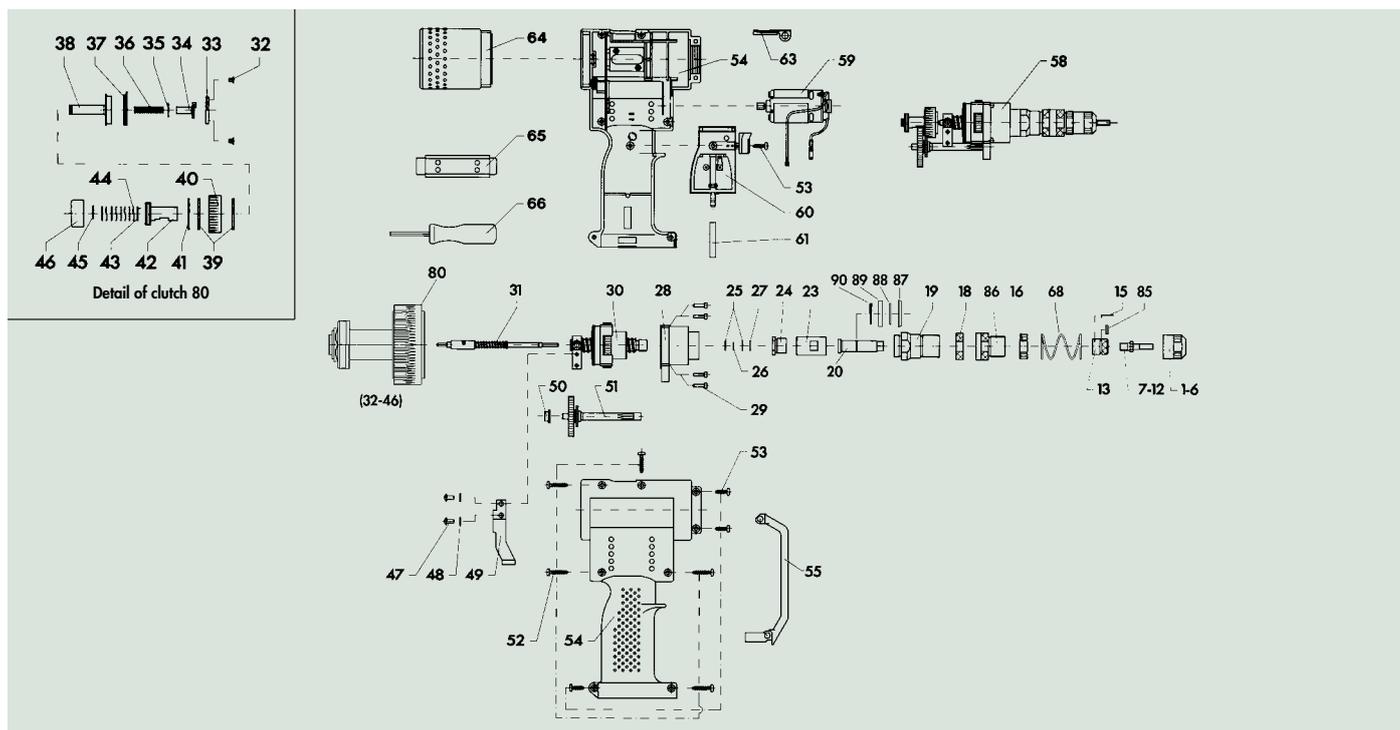


# Battery powered tool for blind rivet nuts FireBird®

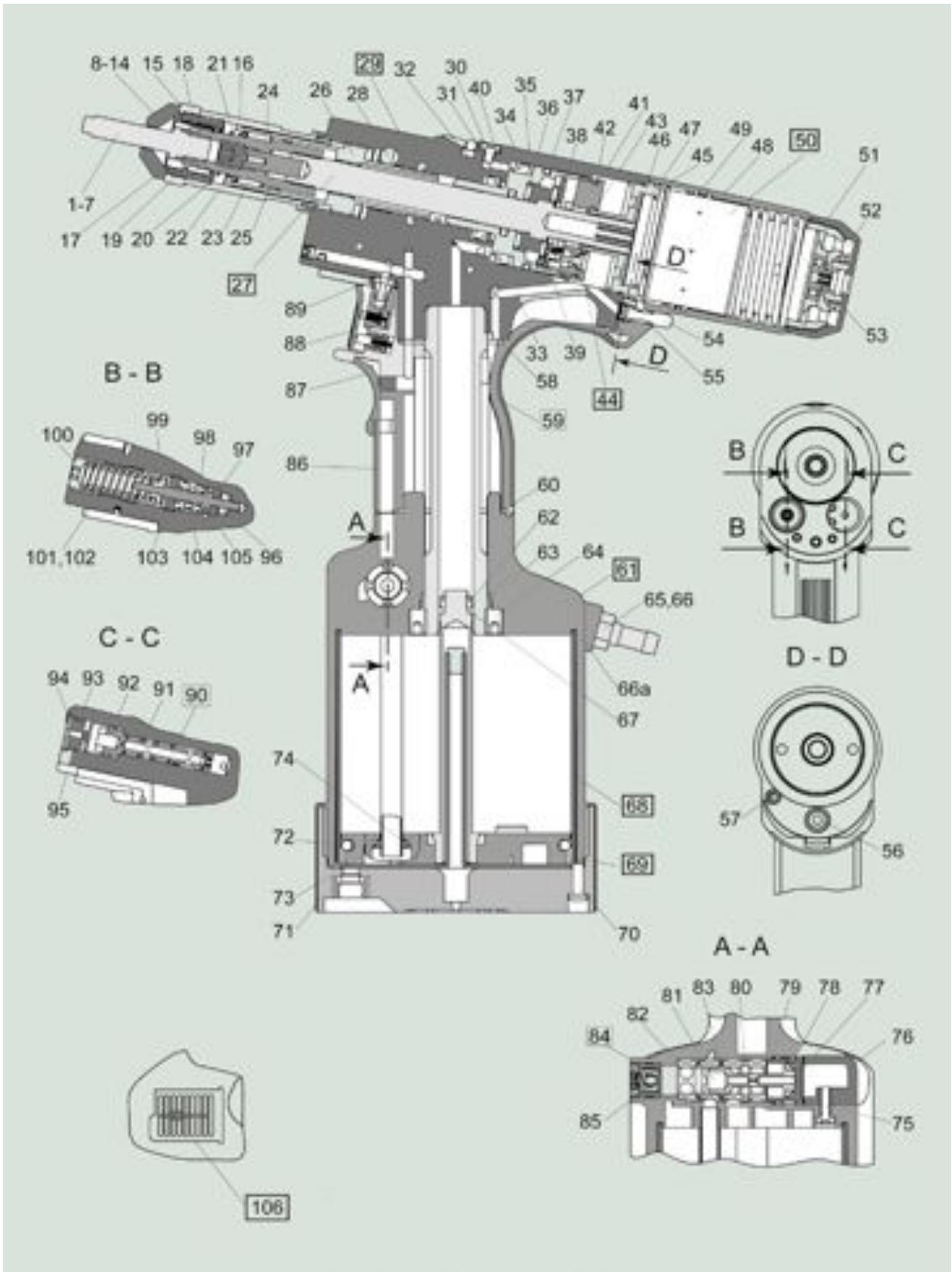
| Spare part N°. | Article- N°.      | Description                      |
|----------------|-------------------|----------------------------------|
| 1              | <b>726 2086</b>   | Nosepiece M 3                    |
| 2              | <b>726 2094</b>   | Nosepiece M 4                    |
|                | <b>726 2620</b>   | Nosepiece 8 – 32 UNC             |
| 3              | <b>726 2108</b>   | Nosepiece M 5                    |
|                | <b>726 2639</b>   | Nosepiece 10 – 32 UNF            |
| 4              | <b>726 2116</b>   | Nosepiece M 6                    |
|                | <b>726 2647</b>   | Nosepiece 1/4" – 20 UNC          |
| 5              | <b>726 2124</b>   | Nosepiece M 8 und 5/16" – 18 UNC |
| 6              | <b>726 2132</b>   | Nosepiece M 10                   |
|                | <b>726 2655</b>   | Nosepiece 3/8" – 16 UNC          |
| 7              | • <b>726 2019</b> | Threaded mandrel M 3             |
| 8              | • <b>726 2027</b> | Threaded mandrel M 4             |
|                | <b>726 2574</b>   | Threaded mandrel 8 – 32 UNC      |
| 9              | • <b>726 2035</b> | Threaded mandrel M 5             |
|                | <b>726 2582</b>   | Threaded mandrel 10 – 32 UNF     |
| 10             | • <b>726 2043</b> | Threaded mandrel M 6             |
|                | <b>726 2590</b>   | Threaded mandrel 1/4" – 20 UNC   |
| 11             | • <b>726 2051</b> | Threaded mandrel M 8             |
|                | <b>726 2604</b>   | Threaded mandrel 5/16" – 18 UNC  |
| 12             | • <b>726 2078</b> | Threaded mandrel M 10            |
|                | <b>726 2612</b>   | Threaded mandrel 3/8" – 16 UNC   |
| 13             | <b>726 2159</b>   | Slide lock                       |
| 15             | <b>726 2167</b>   | Retaining clip                   |
| 16             | <b>726 2175</b>   | Lock nut 2                       |
| 18             | <b>726 2191</b>   | Lock nut 1                       |
| 19             | <b>726 2205</b>   | Head                             |
| 20             | <b>726 2213</b>   | Drive                            |
| 23             | <b>726 2256</b>   | Traction rod                     |
| 24             | <b>726 2264</b>   | Coupler                          |
| 25             | <b>726 2272</b>   | Washer                           |
| 26             | <b>726 2280</b>   | Snap ring                        |
| 27             | <b>726 2299</b>   | Plastic spacer                   |
| 28             | <b>725 9185</b>   | Drive bearing, complete          |
| 29             | <b>725 1982</b>   | Screw                            |
| 30             | <b>726 2302</b>   | Ball screw assembly              |
| 31             | <b>726 2310</b>   | Torsion rod assembly             |
| 32             | <b>726 2329</b>   | Counter screw                    |
| 33             | <b>726 2337</b>   | Plate                            |
| 34             | <b>726 2345</b>   | Drive pin                        |

| Spare part N°. | Article- N°.    | Description                                    |
|----------------|-----------------|--|
| 35             | <b>726 2353</b> | Plastic spacer                                 |
| 36             | <b>726 2361</b> | Pressure spring                                |
| 37             | <b>726 2388</b> | Torsion spring                                 |
| 38             | <b>726 2396</b> | Shaft  |
| 39             | <b>726 2418</b> | Thrust bearing                                 |
| 40             | <b>726 2426</b> | Gear coppler                                   |
| 41             | <b>726 2434</b> | Washer   |
| 42             | <b>726 2442</b> | Bushing  |
| 43             | <b>726 2450</b> | Washer   |
| 44             | <b>726 2469</b> | Spring washer                                  |
| 45             | <b>726 2477</b> | Snap ring 8 x 0.8                              |
| 46             | <b>726 2485</b> | Cap  |
| 47             | <b>725 1990</b> | Magnet holder screw M 4 x 8                    |
| 48             | <b>725 2008</b> | Spring lock washer M 4                         |
| 49             | <b>725 9266</b> | Magnet holder, complete                        |
| 50             | <b>725 1893</b> | Bush   |
| 51             | <b>726 2493</b> | Power transfer gear                            |
| 52             | <b>725 2024</b> | Housing screw, long                            |
| 53             | <b>725 2032</b> | Housing screw, short                           |
| 54             | <b>726 2507</b> | Tool housing, red                              |
| 55             | <b>725 1540</b> | Hand guard                                     |
| 58             | <b>726 2515</b> | Drive assembly, compl. (Pos. 4; 10; 13-45; 51) |
| 59             | <b>725 9223</b> | Motor, complete                                |
| 60             | <b>726 2523</b> | Electronic control switch                      |
| 61             | <b>725 5066</b> | Isolator sleeve                                |
| 63             | <b>725 5058</b> | Suspension loop                                |
| 64             | <b>726 2140</b> | Accessory compartment                          |
| 65             | <b>726 2558</b> | Cover plate                                    |
| 66             | <b>726 2566</b> | Hexagonal screw driver                         |
| 68             | <b>726 3077</b> | Pressure spring                                |
| 70-74          |                 | Mandrels (special length)                      |
| 75-79          |                 | Nosepieces (special length)                    |
| 80             | <b>726 2973</b> | Clutch complete                                |
| 85             | <b>726 3093</b> | Wire ring                                      |
| 86             | <b>726 3085</b> | Adjusting sleeve                               |
| 87             | <b>726 3069</b> | Cone washer                                    |
| 88             | <b>726 3050</b> | Plastic spacer                                 |
| 89             | <b>726 3042</b> | Locking washer                                 |
| 90             | <b>727 9914</b> | Snap ring                                      |
|                | <b>726 3317</b> | Double wrench SW 24/27                         |

• Wearing parts







# Power tool for blind rivet nuts FireFox®

| Spares | Part No.        | Description              |
|--------|-----------------|--------------------------|
| 1      | <b>772 1046</b> | Threaded mandrel M3      |
| 2      | <b>772 1047</b> | Threaded mandrel M4      |
| 3      | <b>772 1048</b> | Threaded mandrel M5      |
| 4      | <b>772 1049</b> | Threaded mandrel M6      |
| 5      | <b>772 1050</b> | Threaded mandrel M8      |
| 6      | <b>772 1051</b> | Threaded mandrel M10     |
| 7      | <b>772 1052</b> | Threaded mandrel M12     |
| 8      | <b>772 1053</b> | Nosepiece M3             |
| 9      | <b>772 1054</b> | Nosepiece M4             |
| 10     | <b>772 1055</b> | Nosepiece M5             |
| 11     | <b>772 1056</b> | Nosepiece M6             |
| 12     | <b>772 1057</b> | Nosepiece M8             |
| 13     | <b>772 1058</b> | Nosepiece M10            |
| 14     | <b>772 1059</b> | Nosepiece M12            |
| 15     | <b>772 1028</b> | Counter ring             |
| 16     | <b>772 1027</b> | Head                     |
| 17     | <b>772 1042</b> | Pusher                   |
| 18     | <b>726 2167</b> | Clamp                    |
| 19     | <b>772 1096</b> | wire ring                |
| 20     | <b>772 1088</b> | Threaded pin             |
| 21     | <b>772 1097</b> | Pushing spring           |
| 22     | <b>772 1090</b> | Snap ring                |
| 23     | <b>772 1091</b> | Needle cage              |
| 24     | <b>772 1013</b> | Driving pin              |
| 25     | <b>772 1036</b> | Hexagonal rod            |
| 26     | <b>772 1035</b> | stroke adjuster          |
| 27     | <b>772 1165</b> | Tie anchor, compl.       |
| 28     | <b>772 1014</b> | Fixing bolt              |
| 29     | <b>772 1170</b> | Tool head, pre-assembled |
| 30     | <b>756 1229</b> | Oil refill screw         |
| 31     | <b>756 1261</b> | Gasket M4                |
| 32     | <b>772 1070</b> | Support ring             |
| 33     | <b>772 1074</b> | Rod seal                 |
| 34     | <b>772 1067</b> | Piston gasket            |
| 35     | <b>772 1069</b> | Support ring             |
| 36     | <b>772 1092</b> | Axial needle bushing     |
| 37     | <b>772 1071</b> | Gasket                   |
| 38     | <b>772 1040</b> | Spacer disk              |
| 39     | <b>726 2418</b> | Axial needle bushing     |
| 40     | <b>727 9779</b> | Seal kit                 |
| 41     | <b>772 1032</b> | Plug                     |
| 42     | <b>772 1065</b> | O-Ring 33 x 1,5          |
| 43     | <b>772 1079</b> | O-Ring 15,5 x 1,5        |
| 44     | <b>772 1163</b> | Control slider, compl.   |
| 45     | <b>772 1033</b> | Plug                     |
| 46     | <b>772 1076</b> | O-Ring 41 x 1,5          |
| 47     | <b>772 1077</b> | O-Ring 43 x 1,5          |
| 48     | <b>772 1004</b> | Adapter                  |
| 49     | <b>772 1083</b> | O-Ring 43 x 2            |
| 50     | <b>772 1002</b> | Air motor compl.         |
| 51     | <b>772 1009</b> | Noise suppressor cover   |
| 52     | <b>772 1008</b> | Absorber disk 2          |
| 53     | <b>772 1007</b> | Absorber disk 1          |

| Spares | Part No.        | Description                 |
|--------|-----------------|-----------------------------|
| 54     | <b>772 1146</b> | Valve key                   |
| 55     | <b>772 1145</b> | O-Ring                      |
| 56     | <b>756 1083</b> | O-Ring 7 x 1,5              |
| 57     | <b>758 1157</b> | O-Ring                      |
| 58     | <b>756 1016</b> | Flat gasket 1               |
| 59     | <b>772 1160</b> | Grip section, compl.        |
| 60     | <b>756 1024</b> | Flat gasket 2               |
| 61     | <b>772 1156</b> | Air cylinder compl.         |
| 62     | <b>772 1066</b> | Piston ring                 |
| 63     | <b>756 1032</b> | O-Ring 23,52 x 1,78         |
| 64     | <b>756 1040</b> | Alu nut                     |
| 65     | <b>756 1938</b> | Hose fitting                |
| 66     | <b>756 1970</b> | Sealing ring                |
| 66a    | <b>757 1194</b> | O-Ring 88 x 1,5             |
| 67     | <b>772 1075</b> | Guide ring                  |
| 68     | <b>772 1151</b> | Cylinder head compl.        |
| 69     | <b>772 1154</b> | Air piston compl.           |
| 70     | <b>725 2032</b> | Housing screw, short        |
| 71     | <b>757 1011</b> | Base                        |
| 72     | <b>757 1151</b> | O-Ring 80,5 x 4             |
| 73     | <b>757 1143</b> | V-Ring JV15                 |
| 74     | <b>756 1431</b> | Airzet rod seal             |
| 75     | <b>725 2032</b> | Housing screw, short        |
| 76     | <b>757 1099</b> | Plug                        |
| 77     | <b>756 1687</b> | Piston chamber              |
| 78     | <b>756 2012</b> | Piston gasket               |
| 79     | <b>756 2209</b> | O-Ring 15,6 x 1,78          |
| 80     | <b>772 1100</b> | Washer                      |
| 81     | <b>772 1021</b> | Control piston              |
| 82     | <b>756 1628</b> | Spacer cage                 |
| 83     | <b>756 1601</b> | Airzet rod seal             |
| 84     | <b>756 2136</b> | Safety valve, compl.        |
| 85     | <b>756 1030</b> | O-Ring 11 x 1,5             |
| 86     | <b>772 1003</b> | Bezel                       |
| 87     | <b>756 1539</b> | Pusher                      |
| 88     | <b>756 1520</b> | Trigger                     |
| 89     | <b>772 1081</b> | O-Ring 3,3 x 2,4            |
| 90     | <b>772 1168</b> | Control pusher, compl.      |
| 91     | <b>715 1052</b> | O-Ring 5 x 1,5              |
| 92     | <b>772 1068</b> | Piston sealing kit          |
| 93     | <b>717 3075</b> | O-Ring 10,0 x 1,5 F PH 2-KA |
| 94     | <b>715 6251</b> | Snap ring                   |
| 95     | <b>772 1030</b> | Plug                        |
| 96     | <b>772 1074</b> | Rod seal                    |
| 97     | <b>772 1010</b> | Pressure disk               |
| 98     | <b>772 1169</b> | Insert, compl.              |
| 99     | <b>772 1012</b> | Conical washer              |
| 100    | <b>772 1026</b> | Spring compressor           |
| 101    | <b>772 1094</b> | Pressure spring             |
| 102    | <b>772 1095</b> | Pressure spring             |
| 103    | <b>772 1025</b> | Threaded ring               |
| 104    | <b>772 1011</b> | Plunger                     |
| 105    | <b>756 1555</b> | O-Ring 2,7 x 1,5            |
| 106    | <b>757 1348</b> | Noise suppressor, compl.    |

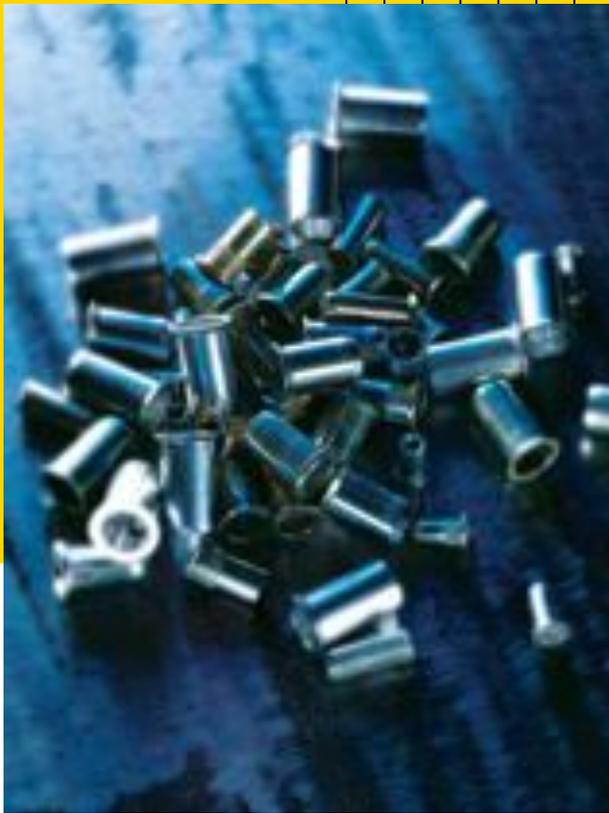


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