

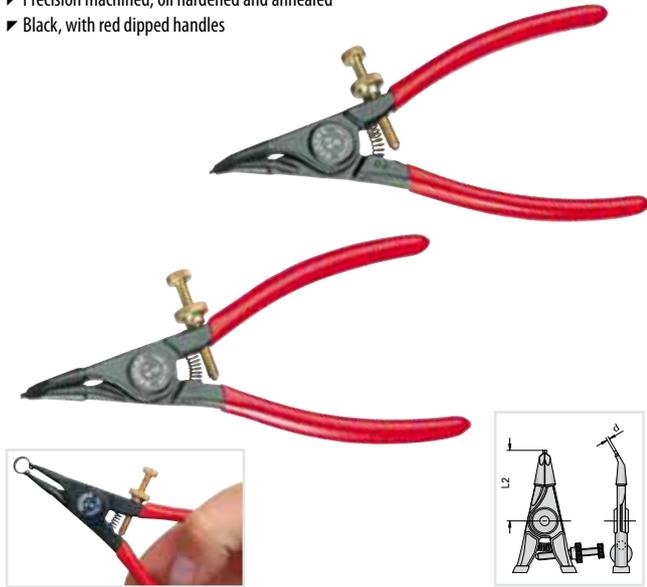


CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS (SHAFTS)

8000 A 0G - A 2G

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- For shafts without groove
- For retaining rings Seeger as well as Benzing
- Similar to DIN 5254 Form A
- A 0G - A 1G = tips angled 30°
- A 2G = straight tips
- With opening spring and adjusting screw to limit opening
- High degree of assembly reliability, the limit opening rules out any over-tensioning of the smallest of retaining rings
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles

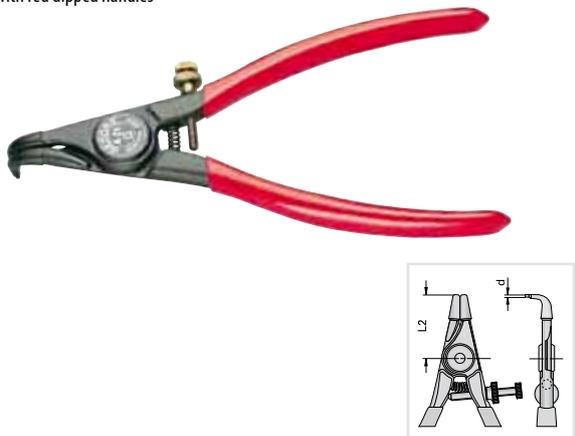


for Seeger circlips		for Benzing clamping circlips		L	L ₂	d	kg	Code	No.
mm	inch	mm	inch						
1,5-3,5	5/32-3/8	1,5-3,5	5/32-3/8	140	40	0.7	0.099	6700140	8000 A 0G
4,0-9,0	3/8-1	3,0-11,0	3/8-1	140	40	1.1	0.098	6700220	8000 A 1G
10,0-15,0	3/8-5/16	12,0-16,0	1/2-5/8	182	57	1.8	0.189	6700300	8000 A 2G

8000 A 01G - A 21G

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- For shafts without groove
- For retaining rings Seeger as well as Benzing
- Similar to DIN 5254 Form B
- 90° angled tips
- With opening spring and adjusting screw to limit opening
- High degree of assembly reliability, the limit opening rules out any over-tensioning of the smallest of retaining rings
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles



for Seeger circlips		for Benzing clamping circlips		L	L ₂	d	kg	Code	No.
mm	inch	mm	inch						
1,5-3,5	5/32-3/8	1,5-3,5	5/32-3/8	134	33	0.7	0.100	6700650	8000 A 01G
4,0-9,0	3/8-1	3,0-11,0	3/8-1	134	33	1.1	0.099	6700730	8000 A 11G
10,0-15,0	3/8-5/16	12,0-16,0	1/2-5/8	170	45	1.8	0.184	6700810	8000 A 21G

8000 A 0 - A 4

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS Form A

- For retaining rings as per DIN 471, DIN 983
- DIN 5254 Form A
- Straight tips
- With opening spring
- With clamping protection
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles



mm	inch	L	L ₂	d	kg	Code	No.
3-10	5/32-3/8	141	40.0	0.9	0.096	6701380	8000 A 0
10-25	3/8-1	141	40.0	1.3	0.098	6701460	8000 A 1
19-60	3/4-2.3/8	182	54.0	1.8	0.186	6701540	8000 A 2
40-100	1.5/8-4	230	69.0	2.3	0.310	6701620	8000 A 3
85-140	3.3/8-5.1/2	320	85.5	3.2	0.555	6701700	8000 A 4

8000 A 01 - A 41

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS Form B

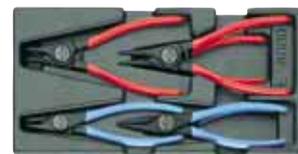
- For retaining rings as per DIN 471, DIN 983
- DIN 5254 Form B
- 90° angled tips
- With opening spring
- With clamping protection
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles



mm	inch	L	L ₂	d	kg	Code	No.
3-10	5/32-3/8	130	29	0.9	0.097	6702270	8000 A 01
10-25	3/8-1	130	29	1.3	0.097	6702350	8000 A 11
19-60	3/4-2.3/8	170	43	1.8	0.182	6702430	8000 A 21
40-100	1.5/8-4	210	53	2.3	0.317	6702510	8000 A 31
85-140	3.3/8-5.1/2	305	64	3.2	0.563	6702780	8000 A 41

1500 ES-8000

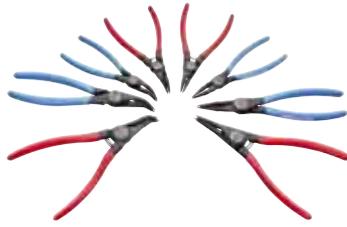
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S 8028

411



8000 A 02 - A 42

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- Similar to DIN 5254 Form B
- 45° angled tips
- With opening spring
- With clamping protection
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Chrome-plated, with red dipped handles



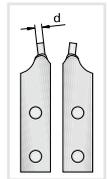
mm	inch	L	L ₂	d	kg	Code	No.
3-10	5/32-3/8	139	38.0	0.9	0.097	2015021	8000 A 02
10-25	3/8-1	139	38.0	1.3	0.097	2015048	8000 A 12
19-60	3/4-2.3/8	179	51.0	1.8	0.182	2015056	8000 A 22
40-100	1.5/8-4	226	65.0	2.3	0.317	2015064	8000 A 32
85-140	3.3/8-5.1/2	315	80.5	3.2	0.568	2015072	8000 A 42



8000 A 4 - A 6

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- Straight tips
- Black, tips and lock lever zinc-plated
- The toothed bracket stops the pliers legs from straddling beyond the permitted working area
- This ensures safe working even in hidden fitting positions
- Locking pin can be replaced
- Non-crush type release-lever with handle recesses, red dip-insulated
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- E-8000 A = pair of spare tips



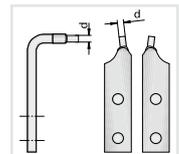
mm	inch	d	mm	kg	Code	No.
85-140	3.3/8-5.1/2	3.2	550	1.921	2011778	8000 A 4 EL
122-300	4.13/16-11.7/8	3.5	550	1.921	6701890	8000 A 5
252-400	9.15/16-15.13/16	4.5	586	1.922	6701970	8000 A 6

d	kg	Code	No.
3.2	0.072	2011670	E-8000 A 4 EL
3.5	0.072	5701840	E-8000 A 5
4.5	0.112	5701920	E-8000 A 6

8000 A 41 - A 61

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- 90° angled tips
- Tips and lock lever zinc-plated
- Lever handle-end red dip-insulated
- Finger protection
- Reinforced safety arms
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- E-8000 A = pair of spare tips



mm	inch	d	mm	kg	Code	No.
85-140	3.3/8-5.1/2	3.2	560	1.898	2011786	8000 A 41 EL
122-300	4.13/16-11.7/8	3.5	560	1.898	6702860	8000 A 51
252-400	9.15/16-15.13/16	4.5	585	1.953	6718430	8000 A 61

d	kg	Code	No.
3.2	0.072	2011697	E-8000 A 41 EL
3.5	0.112	5702810	E-8000 A 51
4.5	0.140	5701760	E-8000 A 61



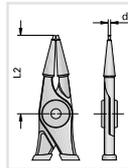
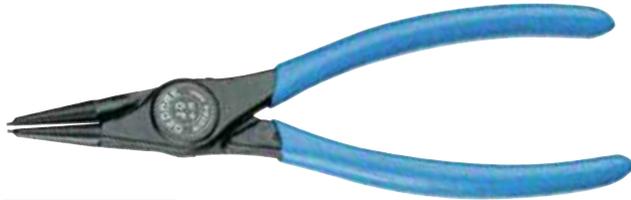


CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS (BORES)

8000 J 0 - J 4

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS Form C

- For retaining rings as per DIN 472, DIN 984
- DIN 5256 Form C
- Straight tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with blue dipped handles

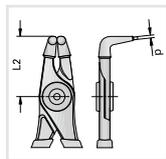
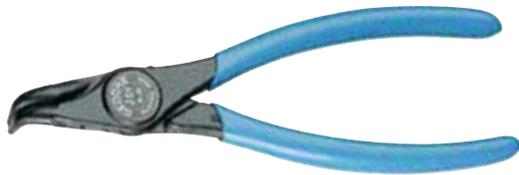


mm	inch	L	L ₂	d	kg	Code	No.
8-13	3/8-9/16	141	41.0	0.9	0.080	6703240	8000 J 0
12-25	3/8-1	141	41.0	1.3	0.081	6703320	8000 J 1
19-60	3/4-2.3/8	183	54.0	1.8	0.164	6703400	8000 J 2
40-100	1.5/8-4	230	68.0	2.3	0.281	6703590	8000 J 3
85-140	3.3/8-5.1/2	322	84.5	3.2	0.472	6703670	8000 J 4

8000 J 01 - J 41

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS Form D

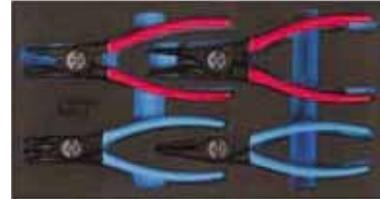
- For retaining rings as per DIN 472, DIN 984
- DIN 5256 Form D
- 90° angled tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with blue dipped handles



mm	inch	L	L ₂	d	kg	Code	No.
8-13	3/8-9/16	129	28	0.9	0.080	6704130	8000 J 01
12-25	3/8-1	129	28	1.3	0.082	6704210	8000 J 11
19-60	3/4-2.3/8	169	41	1.8	0.161	6704480	8000 J 21
40-100	1.5/8-4	214	50	2.3	0.279	6704560	8000 J 31
85-140	3.3/8-5.1/2	292	65	3.2	0.484	6704640	8000 J 41

1500 CT1-8000

110



8000 J 02 - J 42

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- Similar to DIN 5256 Form D
- 45° angled tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Chrome-plated, with blue dipped handles



mm	inch	L	L ₂	d	kg	Code	No.
8-13	3/8-9/16	139	39.0	0.9	0.080	2014963	8000 J 02
12-25	3/8-1	139	39.0	1.3	0.080	2014971	8000 J 12
19-60	3/4-2.3/8	180	52.0	1.8	0.161	2014998	8000 J 22
40-100	1.5/8-4	226	64.0	2.3	0.279	2015005	8000 J 32
85-140	3.3/8-5.1/2	316	78.5	3.2	0.484	2015013	8000 J 42



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Individual – precise – customised – flexible – right on!

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- WE develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us!





i 8000 J 4 - J 6 / 8000 J 41 - J 61

Circlip pliers for internal retaining rings

+ 3.2/3.5/4.5 mm tip diameters available for 85 to 400 mm rings. Models for internal and external retaining rings

+ Release lever for controlled slackening of the tension



+ Ratcheting mechanism for easing the work of the user when fitting the retaining rings

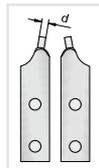


8000 J 4 - J 6

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS



- Straight tips
- Black, tips and lock lever zinc-plated
- The toothed bracket stops the pliers legs from straddling beyond the permitted working area
- This ensures safe working even in hidden fitting positions
- Locking pin can be replaced
- Non-crush type release-lever with handle recesses, blue dip-insulated
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- E-8000 J = pair of spare tips

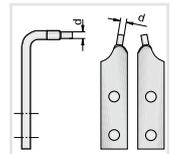


8000 J 41 - J 61

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS



- 90° angled tips
- Black, tips and lock lever zinc-plated
- Lever handle-end blue dip-insulated
- Finger protection
- Reinforced safety arms
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- E-8000 J = pair of spare tips



mm	inch	d	mm	kg	Code	No.
85-140	3.3/8-5.1/2	3.2	565	1.835	2011794	8000 J 4 EL
122-300	4.13/16-11.7/8	3.5	565	1.836	6703750	8000 J 5
252-400	9.15/16-15.13/16	4.5	575	1.846	6703830	8000 J 6

d	kg	Code	No.
3.2	0.072	2011700	E-8000 J 4 EL
3.5	0.072	5703700	E-8000 J 5
4.5	0.082	5703890	E-8000 J 6

mm	inch	d	mm	kg	Code	No.
85-140	3.3/8-5.1/2	3.2	575	1.953	2011808	8000 J 41 EL
122-300	4.13/16-11.7/8	3.5	575	1.953	6704720	8000 J 51
252-400	9.15/16-15.13/16	4.5	579	1.934	6718510	8000 J 61

d	kg	Code	No.
3.2	0.072	2011719	E-8000 J 41 EL
3.5	0.116	5704780	E-8000 J 51
4.5	0.116	5702730	E-8000 J 61

CIRCLIP PLIERS FOR RETAINING RINGS (PARALLEL)

i 8005 A Pliers for external retaining rings

For holes from 4.5 to 5.9 mm and rings from 305 to 500 mm

Paralleled jaws for the greatest possible safety and torsion-free clamping



8005 A

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- For shafts
- Supplied with four different clamping tips
- The circlip is securely clamped before removal by choosing a suitable distance between the clamping tips. This means that unnecessary plier movement is avoided, and the circlip may be opened completely. The special parallel movement of the clamping tips and their recesses in the direction of the pressure applied ensure that the circlip will be clamped firmly.
- DBGM (= German Utility Patent)



mm	mm	mm	mm	kg	Code	No.
305-500	4.5	5,9	665	3.520	6707150	8005 A

8005 J

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- For bores
- Supplied with six different clamping tips
- The circlip is securely clamped before removal by choosing a suitable distance between the clamping tips. This means that unnecessary plier movement is avoided, and the circlip may be opened completely. The special parallel movement of the clamping tips and their recesses in the direction of the pressure applied ensure that the circlip will be clamped firmly.
- DBGM (= German Utility Patent)



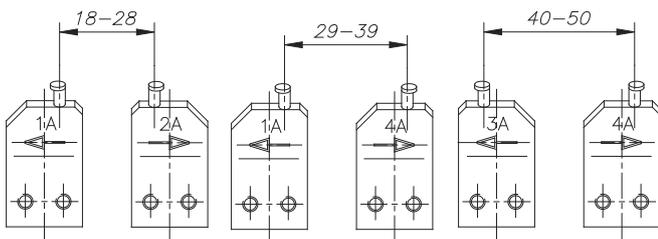
mm	mm	mm	mm	kg	Code	No.
305-500	4.5	5,9	705	3.885	6707230	8005 J

E-8005 A

SPARE TIPS for external retaining rings (per piece)

Selection aid:

- The spacing of holes for non-tensioned circlips is normally between 20 mm and 50 mm
- The tips used to spread the rings are fitted to match the opening width of the non-tensioned circlip
- Opening widths 18-28 mm: Combination tips E-8005 1 A and E-8005 2 A
- Opening widths 29-39 mm: Combination tips E-8005 1 A and E-8005 4 A
- Opening widths 40-50 mm: Combination tips E-8005 3 A and E-8005 4 A



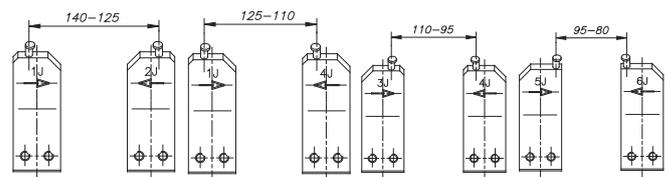
kg	Code	No.
0.068	5700790	E-8005 1 A
0.068	5702220	E-8005 2 A
0.068	5702300	E-8005 3 A
0.068	5702490	E-8005 4 A

E-8005 J

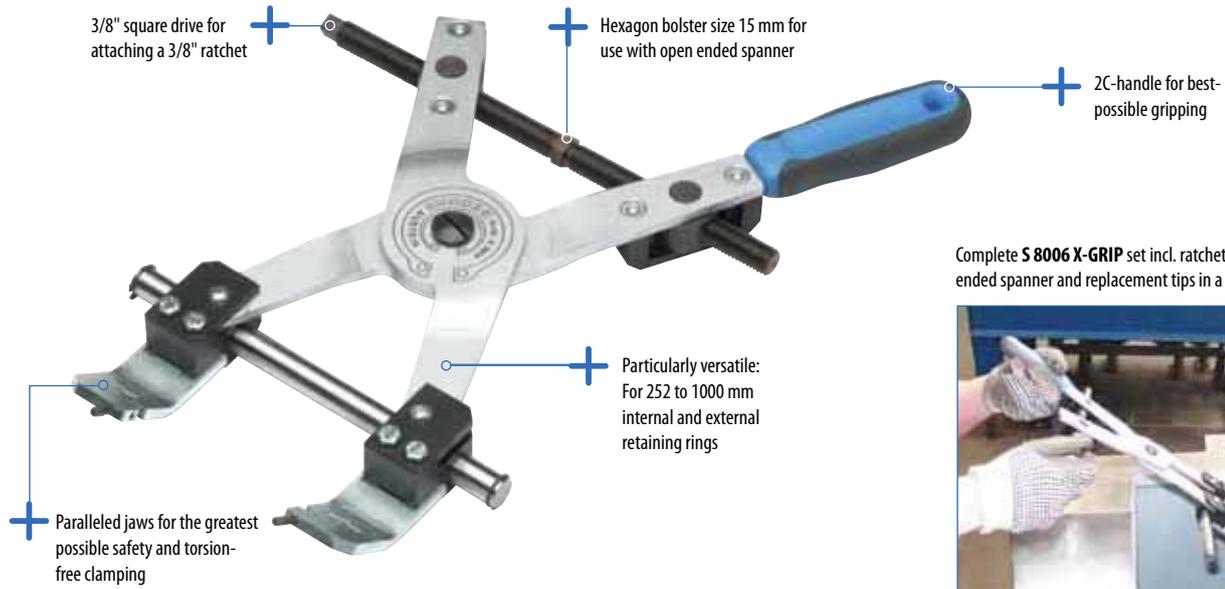
SPARE TIPS for internal retaining rings (per piece)

Selection aid:

- The spacing of holes for non-tensioned circlips is normally between 80 mm and 140 mm
- The tips used to spread the rings are fitted to match the opening width of the non-tensioned circlip
- Opening widths 140-125 mm: Combination tips E-8005 1 J and E-8005 2 J
- Opening widths 125-110 mm: Combination tips E-8005 1 J and E-8005 4 J
- Opening widths 110-95 mm: Combination tips E-8005 3 J and E-8005 4 J
- Opening widths 95-80 mm: Combination tips E-8005 5 J and E-8005 6 J



kg	Code	No.
0.116	5703380	E-8005 1 J
0.116	5703460	E-8005 2 J
0.116	5704190	E-8005 3 J
0.113	5703540	E-8005 4 J
0.116	5703620	E-8005 5 J
0.116	5703970	E-8005 6 J

**CIRCLIP PLIERS X-GRIP****i 8006 X-GRIP**

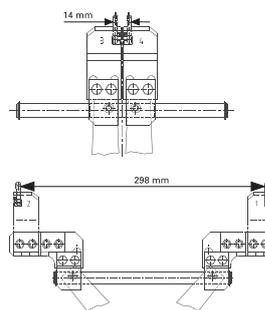
Complete **S 8006 X-GRIP** set incl. ratchet, single open-ended spanner and replacement tips in a sturdy steel case.

**8006****X-GRIP CIRCLIP PLIERS**

- Universal circlip pliers for risk-free gripping and fitting of internal and external circlips (DIN 471/472) from 252 to 1000 mm diameter
- Particularly suited for working in confined spaces. Instead of using a long lever, the required force is transmitted by a threaded spindle. This ensures safe, fatigue-free gripping. Operated by a 15 mm open ended spanner or a 3/8" ratchet (e.g. 3093 Z-94)
- Solid, hardened sliding bar ensures parallel tip action
- Stop lugs reliably prevent circlips slipping off
- Quick changeover between internal and external circlips by rotating tips through 180°
- Tips made from tempering steel, carefully hardened and annealed, easy to replace
- DBGm (= German Utility Patent)

**S 8006****X-GRIP CIRCLIP PLIERS SET**

- Universal circlip pliers for risk-free gripping and fitting of internal and external circlips (DIN 471/472) from 252 to 1000 mm diameter
- Plier with adaptor, basic body - no. 1/2 + tip Ø 5.9 mm and no. 3/4 + tip Ø 4.5 mm
- Special tools for changing tips and adaptors
- Single open ended spanner no. 894 10 + 894 15
- Hexagon socket key no. 42 2 mm
- 4 Spare threaded pins M4x4
- Ratchet no. 3093 Z-94 (for quick adjustment)
- Plastic box E-1000 P
- Rugged sheet steel case with foam insert

**7.300**Code
1896237No.
S 8006**E-8006****X-GRIP PARTS**

Description	kg	Code	No.
Basic body no. 1 with spare tip 5.9 mm Ø	0.080	1575333	E-8006 1
Basic body no. 2 with spare tip 5.9 mm Ø	0.080	1575341	E-8006 2
Basic body no. 3 with spare tip 4.5 mm Ø	0.117	1896245	E-8006 3
Basic body no. 4 with spare tip 4.5 mm Ø	0.117	1896253	E-8006 4
Spare tip 4.5 mm Ø	0.005	1896369	E-8006 X 4,5
Spare tip 5.9 mm Ø	0.005	1896350	E-8006 X 5,9
Spindle with spindle bearing, 265 mm long	0.470	1910620	E-8006 X

mm	mm	mm	kg	Code	No.
252-1000	4.5	5,9	3.040	1394401	8006