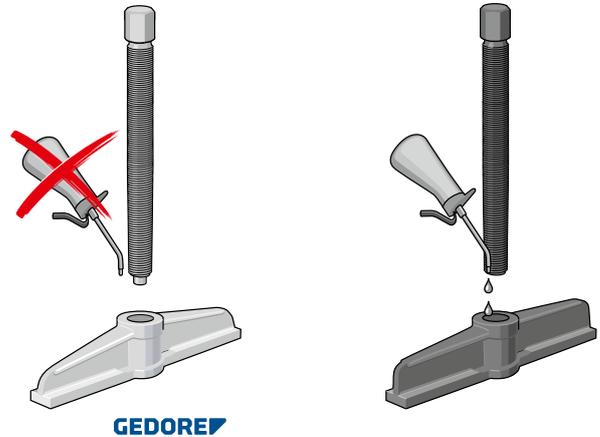


Spindle summary

GEDORE SPINDLES ...

- › ... **require no maintenance!**
- › ... comprise turned hardened and tempered steel. The fine thread is then rolled - this additional strengthening of the steel gives rolled thread a higher strength than a thread produced by cutting.
- › ... have a fine thread which stops any unintended slackening from vibrations.
- › ... are thermo-chemically treated. Nitro-carburating makes the spindle extremely wear-resistant and corrosion-proof. Nitro-carburated surfaces have excellent sliding properties.
- › ... **Oiling and greasing is not needed and**, as such, the thread stays clean and smooth much longer. (Resinated, used oil attracts dirt and chips like magic. The thread pitches clog and turning the thread is not easy - in the final resort, this results in ruination of the thread. Not to speak of that irksome task of regularly filling up with oil.)
- › ... are fitted out with a replaceable spindle tip which is equally suitable for both centred and non-centred shafts*.

* As standard with extractors Nos. 1.04 and No.1.09



SPINDLE SUMMARY

- › KS = ball tip, exchangeable
- * Pull spindle



Threads	usable length	Size/Drive	Ball	Tip	⚖️	Code	No.
M 10x1,5	160	14	x		0.100	1084739	129.106
M 12x1,5	110	14		x	0.100	1084445	1.1206110
M 14x1,5	50	17		x	0.009	1084453	1.1406050
M 14x1,5	125	17		x	0.170	1084461	1.1406125
M 14x1,5	140	17		x	0.180	1084488	1.1406140
M 14x1,5	140	17	x	x	0.180	1546821	1.1406140KS
M 14x1,5	150	17		x	0.009	1084798	144.15006
M 14x1,5	155	17		x	0.009	1084518	1.1406155
M 14x1,5	200	17		x	0.220	1576224	1.1406200
M 14x2,0	210	17		x	0.250	1084755	129.306
M 18x1,5	80	19		x	0.185	1084526	1.1806080
M 18x1,5	130	19		x	0.280	1084542	1.1806130
M 18x1,5	170	19		x	0.345	1084550	1.1806170
M 18x1,5	200	19		x	0.009	1084569	1.1806200
M 18x2,5	230	19		x	0.500	1084763	129.406
G 1/2"	110	22		x	0.340	1084577	1.2106110
G 1/2"	160	22		x	0.455	1084585	1.2106160

Threads	usable length	Size/Drive	Ball	Tip	⚖️	Code	No.
G 1/2"	175	22		x	0.009	1084623	1.2106175
G 1/2"	210	22		x	0.590	1084593	1.2106210
G 1/2"	210	22	x	x	0.180	1546872	1.2106210KS
G 1/2"	250	22		x	0.680	1084631	1.2106250
G 1/2"	250	22	x	x	0.680	1795112	1.2106250KS
G 1/2"	350	22			0.009	1084658	1.2106350
G 1/2"	350	22	x	x	0.010	1806564	1.2106350KS
G 1/2"	400	16		*	1.100	1076132	1/2106400
M 20x2,5	235	22		x	0.500	1084771	129.506
G 3/4"	200	27		x	0.980	1084666	1.2606180
G 3/4"	280	27		x	1.200	1084674	1.2606280
G 3/4"	280	27	x	x	1.300	1546910	1.2606280KS
G 1"	310	36		x	2.238	1084690	1.3306310
G 1"	360	36		x	2.540	1084704	1.3306360
G 1"	500	36		x	3.600	1084712	1.3306500
G 1.1/4"	270	41		x	3.160	1084720	1.4206270

Spindles - Mechanical spindle, hydraulic spindle or hydraulic press?



- › The GEDORE puller mechanical spindles provide plenty of benefits: made of hardened and tempered steel, rolled fine thread and thermo-chemically treated - hence they are especially both wear and corrosion resistant.
- › Particularly with high forces, using a hydraulic spindle can be both time and effort-saving. The hydraulic spindle principle is both straightforward and ingenious at the same time. The effect of screwing in the clamping bolt is to compress the grease inside the hydraulic piston - the extending piston acts on the part to be extracted with a force many times greater than that

- manually applied at the top. This controlled operation provides for working safely with the hydraulic spindle and is recommended, in particular, for high levels of force.
- › The hydraulic press represents an alternative to the hydraulic spindle. It is attached between the mechanical spindle and shaft and through hydraulic force supports the spindle.
- › As the puller cannot be rotated during extraction, pulling with the assistance of hydraulic aids saves both on time and the effort needed.

1.06/HSP HYDRAULIC PRESSURE SPINDLE

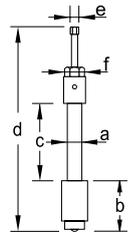
- > For controlled and safe pulling work
- > Set up for a pressure of 10 t, 12 t or 15 t
- > The pressure piece can be replaced by a tip and lengthened, as required.
- > The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal.

Preparation for use:

1. Before using, check whether the pressure spindle is screwed far enough out of the cap, so that the pressure pad is in the initial position in the hydraulic cylinder.
2. Unscrew the cap from the spindle body. For this purpose, first slacken off the grub screw.
3. Screw the spindle body from beneath into the cross piece of the puller until the body protrudes approx. 60 mm from the cross piece.
4. Screw the cap onto the spindle body until the stop, and then fix it in position by turning in the grub screw.

Use and operation: e.g. HSP3

5. Place the puller into position and pre-tension the spindle body using a size 41 mm wrench.
6. Screw the pressure spindle size 17 mm into the cap. The hydraulic effect will come into use. The stroke of the pressure pad in the hydraulic cylinder is max. 12 mm. The workpiece that has been loosened by the hydraulic force may be pulled off completely by turning the spindle body with the cap size 41 mm.
7. Following its use, the pressure spindle (size 17 mm) is turned back into its initial position and the pressure pad pushed into the hydraulic cylinder.



a	max. t	max. N-m	b	c	d	e	f	Stroke		Code	No.
1/2"	10	17	80	135	350	12	32	12	1.1	8116100	1.06/HSP1
3/4"	12	19	80	205	420	12	36	12	1.8	8116290	1.06/HSP2
1"	15	33	125	165	465	17	41	12	3.3	8116370	1.06/HSP3

1.06/HSP-V EXTENSION FOR HYDRAULIC SPINDLE



1.06/HSP-35V / -85V / -135V

usable length	↳mm↳		Code	No.
35	60	0.250	2824787	1.06/HSP-35V
85	110	0.600	2824841	1.06/HSP-85V
135	160	0.950	2824868	1.06/HSP-135V

1.06/HSP-D THRUST-CARRYING MEMBER FOR HYDRAULIC SPINDLE



DSK / DK / DS

Execution		Code	No.
with ball	0.170	2824876	1.06/HSP12-DK
with tip	0.130	2824884	1.06/HSP12-DS
with tip, short	0.070	2824892	1.06/HSP12-DSK
with tip	0.200	2824906	1.06/HSP3-DS

1.55 HYDRAULIC PRESS

- > This piece of auxiliary equipment considerably increases the capability of the standard pressure spindle
- > Operation: With pressure released, the press is placed between the pressure spindle and the end of the shaft. The pressure spindle is then tightened firmly. Care must be taken that the centreline of the shaft, the hydraulic press, and the pressure spindle are exactly in alignment. Then the hydraulic spindle is screwed inwards.
- > **Important note:** Release the hydraulic press after use



max. t	Stroke height	Installation height		Code	No.
8	10	75	1.0	8024090	1.55/1
15	15	90	1.8	8024170	1.55/2

