



KSTOOLS

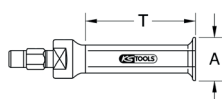
Innovation is
our mission!

	FROM PAGE
INTERNAL EXTRACTORS	402
INTERNAL EXTRACTORS SETS	402
INTERNAL EXTRACTORS & PULLER SETS	403
BALL BEARING EXTRACTORS	404
BEARING AND BUSH DRIVER	404
POLE TERMINAL EXTRACTOR	405
UNIVERSAL 2 ARM PULLER	407
UNIVERSAL 2 ARM PULLER SET	412
UNIVERSAL 3 ARM PULLER	413
UNIVERSAL 3 ARM PULLER SET	416
SEPARATOR PULLER TOOL	417
SEPARATOR PULLER TOOL SET	417
UNIVERSAL 3 ARM PULLER, HEAVY EXECUTION	418
HYDRAULIC PULLERS AND PUMP	419
ACCESSORIES	420
CYLINDER	423
HYDRAULIC HAND PUMP	423
SAFETY COVERING FOIL	423
UNIVERSAL BELT PULLER	424
STEERING WHEEL PULLER	424
WINDSCREEN WIPER ARM PULLER	424
BALL JOINT PULLERS	425
WHEEL HUB EXTRACTOR & DRIVE SHAFT EJECTOR	429
DRAW OFF LINING	430
STUD BOLT PULLER	430
NUT SPLITTER	431

INTERNAL EXTRACTORS

Precision internal extractor

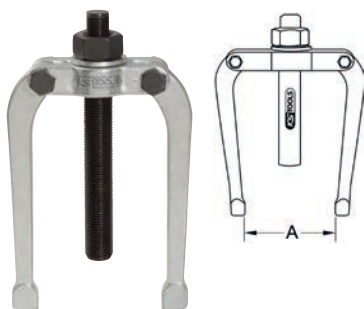
- Centering shaft
- For the removal of secure bearings and bushes
- Special tool steel



	A mm	mm	mm	T mm	max N·m	kg
660.0101	5-7	M10	10	13	30,0	3
660.0102	6-8	M10	10	13	30,0	3
660.0103	7-9	M10	10	13	30,0	7
660.0104	8-10	M10	10	13	30,0	7
660.0105	9-12	M10	10	13	30,0	12
660.0106	10-13	M10	10	13	30,0	15
660.0107	12-15	M10	10	13	30,0	15
660.0108	13-17	M10	10	13	50,0	24
660.0109	14-19	M10	10	13	60,0	28
660.0111	15-20	M10	10	13	60,0	28
660.0112	16-21	M10	10	13	60,0	32
660.0113	18-23	M10	10	17	60,0	40
660.0114	20-25	M10	10	17	60,0	40
660.0115	22-27	M10	10	17	60,0	40
660.0116	25-30	M10	10	17	60,0	40
660.0117	25-40	M10	13	19	45,0	45
660.0118	28-35	M10	10	17	60,0	45
660.0119	30-37	M10	17	22	70,0	45
660.0121	35-42	M10	17	22	70,0	45
660.0122	38-45	M10	17	22	70,0	45
660.0123	40-47	M10	17	22	70,0	45
660.0124	43-50	M10	17	22	70,0	45
660.0125	40-75	G 3/8"	17	27	100,0	45
660.0126	45-55	G 3/8"	19	27	100,0	45
660.0127	50-60	G 3/8"	19	27	100,0	45
660.0128	70-115	G 3/8"	19	27	130,0	45

Double ended support for internal extractor

- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	max N·m	mm	Internal extractors	mm	kg
660.0601	35-75	30	12	M10	M16x1,5 x 136	0,70
660.0602	60-130	60	19	M10xG3/8"	M24x1,5 x 160	1,60
660.0603	60-130	60	19	G3/8"	M24x1,5 x 160	1,50
660.0605	55-205	100	22	G3/8"	G1/2"x14g x 210	3,80

Slide hammer

- Flexible removal tool
- Internal thread for holding various pullers, bolts and hooks
- Ideal for removing ball bearings, wheel hubs etc.
- Ideal for limited access areas
- Special tool steel



	L1 mm	L2 mm	D1 mm	D2 mm	mm	kg
660.0501	170	40,0	10,0	30,0	M10	0,40
660.0502	170	80,0	10,0	50,0	M10	0,90
660.0503	250	100,0	16,0	45,0	M10	1,30
660.0504	250	100,0	16,0	45,0	M10+G3/8"	1,40
660.0505	250	100,0	16,0	60,0	G3/8"	2,60

INTERNAL EXTRACTORS SETS

Precision internal extractor set ø 10,0 - 37,0 mm

- Centering shaft
- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case
- For pulling/hitting the pilot bearing



	kg
660.0014	2,42

consists of:

	kg
660.0106	50
660.0109	90
660.0114	110
660.0116	120
660.0119	280
660.0601	700
660.0501	400



Precision internal extractor set ø 10,0 - 45,0 mm

- Centering shaft
- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



	kg
660.0011	2,36

consists of:

	kg
660.0106	50
660.0109	90
660.0114	110
660.0116	120
660.0119	280
660.0122	290
660.0601	700

Precision internal extractor set ø 10,0 - 75,0 mm

- Centering shaft
- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



	kg
660.0012	4,92

consists of:

	kg
660.0106	50
660.0109	90
660.0114	110
660.0116	120
660.0119	280
660.0122	290
660.0125	760
660.0601	700
660.0602	1600

Precision internal extractor set $\varnothing$ 15,0 - 75,0 mm

- Centering shaft
- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



660.0015	5 pcs	Precision internal extractor set $\varnothing$ 15,0 - 75,0 mm	3,60

consists of:

660.0111	Precision internal extractor, 15-20mm	90	
660.0114	Precision internal extractor, 20-25mm	110	
660.0117	Precision internal extractor, 25-40mm	260	
660.0125	Precision internal extractor, 40-75mm	760	
660.0602	Double ended support for internal extractor, 60-130mm, M10xG3/8"	1600	

Precision internal extractor set $\varnothing$ 10,0 - 115,0 mm

- Centering shaft
- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



660.0013	10 pcs	Precision internal extractor set $\varnothing$ 10,0 - 115,0 mm	9,72

consists of:

660.0106	Precision internal extractor, 10-13mm	50	
660.0109	Precision internal extractor, 14-19mm	90	
660.0114	Precision internal extractor, 20-25mm	110	
660.0116	Precision internal extractor, 25-30mm	120	
660.0119	Precision internal extractor, 30-37mm	280	
660.0122	Precision internal extractor, 38-45mm	290	
660.0125	Precision internal extractor, 40-75mm	760	
660.0601	Double ended support for internal extractor, 35-75mm	700	
660.0128	Precision internal extractor, 70-115mm	1400	
660.0605	Double ended support for internal extractor, 55-205mm	3800	

INTERNAL EXTRACTORS & PULLER SETS

Precision internal extractor and puller set 10 - 45 mm

- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Centering shaft
- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



660.0022	10 pcs	Precision internal extractor and puller set 10 - 45 mm	5,58

consists of:

660.0106	Precision internal extractor, 10-13mm	50	
660.0109	Precision internal extractor, 14-19mm	90	
660.0114	Precision internal extractor, 20-25mm	110	
660.0116	Precision internal extractor, 25-30mm	120	
660.0119	Precision internal extractor, 30-37mm	280	
660.0122	Precision internal extractor, 38-45mm	290	
660.0601	Double ended support for internal extractor, 35-75mm	700	
620.0101	Universal 2 arm puller, 20-90mm, legs 100mm	1000	
620.3101	Pole clamp 2-jaw puller, 10-60mm	160	
670.0221	Draw off lining, $\varnothing$ 5-32mm	1400	

Precision internal extractor and puller set 10 - 75 mm

- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Centering shaft
- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



660.0023	13 pcs	Precision internal extractor and puller set 10 - 75 mm	11,60

consists of:

660.0106	Precision internal extractor, 10-13mm	50	
660.0109	Precision internal extractor, 14-19mm	90	
660.0114	Precision internal extractor, 20-25mm	110	
660.0116	Precision internal extractor, 25-30mm	120	
660.0119	Precision internal extractor, 30-37mm	280	
660.0122	Precision internal extractor, 38-45mm	290	
660.0125	Precision internal extractor, 40-75mm	760	
660.0601	Double ended support for internal extractor, 35-75mm	700	
660.0603	Double ended support for internal extractor, 60-130mm, G3/8"	1500	
620.0101	Universal 2 arm puller, 20-90mm, legs 100mm	1000	
620.0103	Universal 2 arm puller, 50-160mm, legs 150mm	3000	
620.3101	Pole clamp 2-jaw puller, 10-60mm	160	
670.0221	Draw off lining, $\varnothing$ 5-32mm	1400	

Precision internal extractor and puller set 10 - 115 mm

- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Centering shaft
- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



660.0021	14 pcs	Precision internal extractor and puller set 10 - 115 mm	15,63

consists of:

660.0106	Precision internal extractor, 10-13mm	50	
660.0109	Precision internal extractor, 14-19mm	90	
660.0114	Precision internal extractor, 20-25mm	110	
660.0116	Precision internal extractor, 25-30mm	120	
660.0119	Precision internal extractor, 30-37mm	280	
660.0122	Precision internal extractor, 38-45mm	290	
660.0125	Precision internal extractor, 40-75mm	760	
660.0128	Precision internal extractor, 70-115mm	1400	
660.0601	Double ended support for internal extractor, 35-75mm	700	
660.0605	Double ended support for internal extractor, 55-205mm	3800	
620.0101	Universal 2 arm puller, 20-90mm, legs 100mm	1000	
620.0103	Universal 2 arm puller, 50-160mm, legs 150mm	3000	
620.3101	Pole clamp 2-jaw puller, 10-60mm	160	
670.0221	Draw off lining, $\varnothing$ 5-32mm	1400	



BALL BEARING EXTRACTORS

Universal ball bearing extractor set

- Less risk of slippage due to automatically closing pulling arm
- 13 puller variants possible
- Extremely robust spindle with inductively hardened thread
- Excellent power transfer
- Special tool steel
- In durable steel storage case



650.0010	37 pcs	Universal ball bearing extractor set	8,00	

consists of:

650.0011	Ball bearing extractor without legs, 26mm	300		
650.0012	Ball bearing extractor without legs, 34mm	400		
650.0013	Ball bearing extractor without legs, 41mm	500		
650.0014	Ball bearing extractor without legs, 49mm	900		
650.0015	Ball bearing extractor without legs, 63mm	1200		
655.0011	Adaptor legs for ball bearing extractor, 4 pcs ISO 6000	100		
655.0012	Adaptor legs for ball bearing extractor, 4 pcs ISO 6004	100		
655.0013	Adaptor legs for ball bearing extractor, 4 pcs ISO 6006	200		
655.0014	Adaptor legs for ball bearing extractor, 4 pcs ISO 6007	200		
655.0015	Adaptor legs for ball bearing extractor, 4 pcs ISO 6009	300		
655.0016	Adaptor legs for ball bearing extractor, 4 pcs ISO 6011	400		
655.0017	Adaptor legs for ball bearing extractor, 4 pcs ISO 6208	600		
655.0018	Adaptor legs for ball bearing extractor, 4 pcs ISO 6209	800		

Ball bearing extractor without legs

- Consists of adaptor and spindle
- For ball bearings in waves or housings
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	Ø mm	mm	mm	
650.0011	26	M10 x 150	12	0,30
650.0012	34	M12 x 199	14	0,40
650.0013	41	M14 x 1,5 x 200	17	0,50
650.0014	49	M18 x 1,5 x 240	19	0,90
650.0015	63	G1/2" x 14g x 230	22	1,20

Adaptor legs for ball bearing extractor, 4 pcs

- Can be used with adaptor legs and spindles available separately
- For ball bearings in waves or housings
- Special tool steel



	L mm	Suitable for ISO bearing		
655.0011	120	6000, 6001, 6002, 6003, 6200	100	
655.0012	120	6004, 6005, 6201, 6202	100	
655.0013	130	6006, 6203, 6300	200	
655.0014	130	6007, 6008, 6204, 6205, 6301, 6302	200	
655.0015	150	6009, 6010, 6206, 6303, 6304	300	
655.0016	150	6011, 6012, 6207, 6305	400	
655.0017	190	6208, 6306	600	
655.0018	190	6209- 6212, 6307- 6310, 6403- 6406, 6410	800	

Universal ball bearing puller set

- For simple and fast removing of ball bearings without removal of the shaft
- Pulling power influences uniformly on the interior and outside ring
- Special tool steel
- In durable plastic storage case
- Suited for ISO bearings: 6004-6010, 6201-6206, 6300-6304

Ideal for use in SKF, FAG, Timken, NTN bearings etc.
Adaptor diameter: 5.5 - 6 - 8 mm



700.1500	21 pcs	Universal ball bearing puller set	0,82	

consists of:

700.1501	Extension set long, 2 pcs, for 700.1500	110		
700.1502	Centre point, for 700.1500	30		
700.1503	Tie rod set, 2 pcs, for 700.1500	60		
700.1504	Ball head bearing adaptor set, 2 pcs, Ø 5.5 mm	24		
700.1505	Ball head bearing adaptor set, 2 pcs, Ø 6.0 mm	24		
700.1506	Ball head bearing adaptor set, 2 pcs, Ø 8.0 mm	26		
700.1507	Extension set short, 2 pcs, for 700.1500	30		
700.1508	U disc for tie rod, pack of 4, for 700.1500	10		
700.1509	Spindle, for 700.1500	164		
700.1510	Traverse, for 700.1500	202		
700.1511	Nut set for tie rod, 2 pcs, for 700.1500	10		

Universal ball bearing puller set

- For simple and fast removing of ball bearings without removal of the shaft
- Pulling power influences uniformly on the interior and outside ring
- Special tool steel
- In durable plastic storage case
- Suited for ISO bearings: 6207-6211, 6205-6208, 6303-6305

Ideal for use in SKF, FAG, Timken, NTN bearings etc.
Adaptor diameter: 11 - 12.5 - 15 mm



700.1600	21 pcs	Universal ball bearing puller set	1,69	

consists of:

700.1601	Extension set long, 2 pcs, for 700.1600	204		
700.1602	Centre point, for 700.1600	50		
700.1603	Tie rod set, 2 pcs, for 700.1600	178		
700.1604	Ball head bearing adaptor set, 2 pcs, Ø 11.0 mm	88		
700.1605	Ball head bearing adaptor set, 2 pcs, Ø 12.5 mm	96		
700.1606	Ball head bearing adaptor set, 2 pcs, Ø 15.0 mm	110		
700.1607	Extension set short, 2 pcs, for 700.1600	88		
700.1608	U disc for tie rod, pack of 4, for 700.1600	10		
700.1609	Spindle, for 700.1600	130		
700.1610	Traverse, for 700.1600	345		
700.1611	Nut set for tie rod, 2 pcs	10		

BEARING AND BUSH DRIVER

Brass and aluminium punch

- For extracting bearing, bolts and bushes etc.
- Rrimed handle for better control
- Brass / Aluminium



	Material	Ø mm	Length mm	
156.0415	brass	20,0	300,0	1,13
156.0416	aluminium	30,0	300,0	1,89




Bearing punch set Ø 10.0 - 14.0 mm

- In durable plastic storage case



156.0440	10 pcs	Bearing punch set Ø 10.0 - 14.0 mm	240

consists of:

156.0436	Punch holder	100	
156.0441	Punch attachable head 2 pcs, polyamide, Ø 10 mm	10	
156.0442	Punch attachable head 2 pcs, polyamide, Ø 12 mm	10	
156.0443	Punch attachable head 2 pcs, polyamide, Ø 14 mm	10	
156.0449	Punch attachable head 2 pcs, aluminium, Ø 10 mm	10	
156.0450	Aluminium punch set, 2 pcs., Ø 12 mm	10	
156.0451	Punch attachable head 2 pcs, aluminium, Ø 14 mm	20	
156.0457	Punch attachable head 2 pcs, brass, Ø 10 mm	20	
156.0458	Punch attachable head 2 pcs, brass, Ø 12 mm	20	
156.0459	Punch attachable head 2 pcs, brass, Ø 14 mm	50	

Bearing punch set Ø 25.0 mm

- In durable plastic storage case



156.0425	7 pcs	Bearing punch set Ø 25.0 mm	640

consists of:

156.0426	Punch holder without impact	360	
156.0447	Punch attachable head 2 pcs, polyamide, Ø 25 mm	20	
156.0455	Punch attachable head 2 pcs, aluminium, Ø 25 mm	50	
156.0463	Punch attachable head 2 pcs, brass, Ø 25 mm	150	

Universal bearing and bush driver set

- Universal applicable range
- Can be used manually with a hammer or workshop press
- Applications from 18.0 - 65.0 mm
- Pressure plates are for the two driving spindles
- Special tool steel
- In durable plastic storage case



700.1350	51 pcs	Universal bearing and bush driver set	8,00

consists of:

700.1348	Reception adaptor, 45mm	500	
700.1349	Impact drive knurled grip, 220mm	42	
700.1351	Pressure plate, 18mm	12	
700.1352	Pressure plate, 19mm	14	
700.1353	Pressure plate, 20mm	16	
700.1354	Pressure plate, 21mm	20	
700.1355	Pressure plate, 22mm	22	
700.1356	Pressure plate, 23mm	27	
700.1357	Pressure plate, 24mm	30	
700.1358	Pressure plate, 25mm	34	
700.1359	Pressure plate, 26mm	38	
700.1360	Pressure plate, 27mm	43	
700.1361	Pressure plate, 28mm	47	
700.1362	Pressure plate, 29mm	50	
700.1363	Pressure plate, 30mm	53	
700.1364	Pressure plate, 31mm	59	
700.1365	Pressure plate, 32mm	65	
700.1366	Pressure plate, 33mm	68	
700.1367	Pressure plate, 34mm	72	
700.1368	Pressure plate, 35mm	77	
700.1369	Pressure plate, 36mm	82	
700.1370	Pressure plate, 37mm	89	
700.1371	Pressure plate, 38mm	94	
700.1372	Pressure plate, 39mm	97	
700.1373	Pressure plate, 40mm	105	
700.1374	Pressure plate, 41mm	111	
700.1375	Pressure plate, 42mm	119	
700.1376	Pressure plate, 43mm	125	
700.1377	Pressure plate, 44mm	132	
700.1378	Pressure plate, 45mm	138	
700.1379	Pressure plate, 46mm	144	
700.1380	Pressure plate, 47mm	153	
700.1381	Pressure plate, 48mm	159	
700.1382	Pressure plate, 49mm	165	
700.1383	Pressure plate, 50mm	172	
700.1384	Pressure plate, 51mm	181	
700.1385	Pressure plate, 52mm	188	
700.1386	Pressure plate, 53mm	196	
700.1387	Pressure plate, 54mm	205	
700.1388	Pressure plate, 55mm	213	
700.1389	Pressure plate, 56mm	221	
700.1390	Pressure plate, 57mm	231	
700.1391	Pressure plate, 58mm	238	
700.1392	Pressure plate, 59mm	247	
700.1393	Pressure plate, 60mm	258	
700.1394	Pressure plate, 61mm	266	
700.1395	Pressure plate, 62mm	276	
700.1396	Pressure plate, 63mm	284	
700.1397	Pressure plate, 64mm	294	
700.1398	Pressure plate, 65mm	305	
700.1399	Support plate, 75mm	500	

Universal bearing and bush driver set

- for gentle driving of bearing and radial sealing rings
- Universal applicable range
- Can be used manually with a hammer or workshop press
- Applications from 70.0 - 150.0 mm
- Pressure plates are for the two driving spindles
- Special tool steel
- In durable plastic storage case



150.9710	21 pcs	Universal bearing and bush driver set	19,13

consists of:

150.9712	Adaptor for Hydraulic thrust bolt, 45,5 mm	44	
150.9713	Retaining adapter, 55 mm	217	
150.9714	Repellent spike with knurling, 273,0 mm	1077	
150.9715	Pressure plate, 70 mm	353	
150.9716	Pressure plate, 75 mm	406	
150.9717	Pressure plate, 80 mm	465	
150.9718	Pressure plate, 85 mm	524	
150.9719	Pressure plate, 90 mm	593	
150.9720	Pressure plate, 95 mm	659	
150.9721	Pressure plate, 100 mm	733	
150.9722	Pressure plate, 105 mm	812	
150.9723	Pressure plate, 110 mm	893	
150.9724	Pressure plate, 115 mm	977	
150.9725	Pressure plate, 120 mm	1065	
150.9726	Pressure plate, 125 mm	1157	
150.9727	Pressure plate, 130 mm	1255	
150.9728	Pressure plate, 135 mm	1349	
150.9729	Pressure plate, 140 mm	1457	
150.9730	Pressure plate, 145 mm	1563	
150.9731	Pressure plate, 150 mm	1676	
151.2603	Hexagon key wrench phosphate finish, short, 3mm	10	

POLE TERMINAL EXTRACTOR
Universal pole terminal and wiper arm puller 2-arm pattern

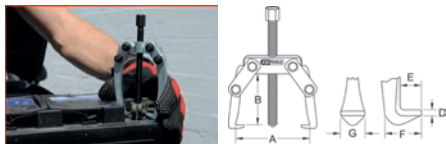
- 2-jaw
- Ideally suited for removing the battery terminal and wiper arms
- Locking handle
- With conical tension screw for proportional tension force distribution
- Self-centring jaw puller
- Extremely robust spindle with inductively hardened thread
- Special tool steel



700.1190	A mm	B mm	max t mm	D mm	E mm	F mm	G mm		
	15	32	1,2	2,5	9	10,5	11	0,30	

Pole clamp 2-jaw puller

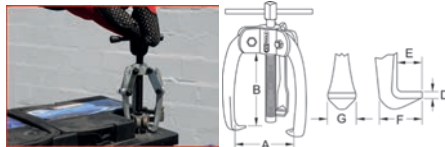
- 2-jaw
- Ideally suited for removing the battery pole terminal
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Screwed
- Sturdy hook
- Special tool steel



	A mm	B mm	max. t	mm	D mm	E mm	F mm	G mm	mm
620.3101	10-60	40	1	M8x85	10	1	5	12	8
620.3102	10-70	44/74	1,2	M8x85	10	1	5	12	8
620.3103	10-90	84	2	M10x105	12	1,8	10	20	12

3-jaw pole terminal extractor with t-bar

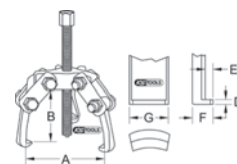
- 3-jaw
- Ideally suited for removing the battery pole terminal
- Locking handle
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Screwed
- Sturdy hook
- Special tool steel



	A mm	B mm	max. t	mm	D mm	E mm	F mm	G mm	mm
700.1167	10-60	40	0,75	M10 x 60	2,3	5,5	12,3	10,0	181
700.1168	10-60	60	1,0	M10 x 80	3,0	5,5	12,5	10,0	215
700.1169	10-70	80	1,0	M10 x 100	3,0	8,0	15,2	14,1	323

Pole clamp 3 arm puller

- Uniform load distribution and centered tightening
- Ideally suited for extracting small parts
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max. t	mm	D mm	E mm	F mm	G mm	mm
630.3101	10-60	40	1,2	M8 x 85	10	1	5	12	8
630.3102	10-70	44/74	1,3	M8 x 85	10	1	5	12	8
630.3103	10-90	84	2,5	M10 x 105	12	1,8	10	20	12

Universal pole terminal and wiper arm puller 2-arm pattern

- 2-jaw
- ideally suited for removing the battery terminal and wiper arms
- Locking handle
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Screwed
- Sturdy hook
- Special tool steel



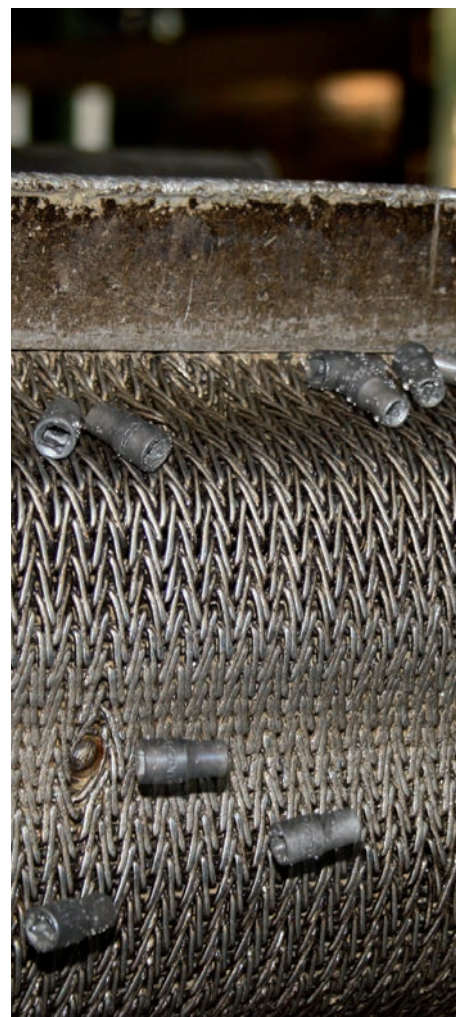
	A mm	B mm	max. t	mm	D mm	E mm	F mm	G mm	mm
700.1164	10-60	40	0,5	M10 x 60	2,6	5,5	12,8	10,0	145
700.1165	10-60	60	0,5	M10 x 80	3,7	5,8	12,4	10,1	173
700.1166	10-70	80	0,5	M10 x 100	4,0	9,2	16,8	14,0	245

Universal windscreen wiper arm puller 2-jaw with t-bar

- Heavy execution
- 2-jaw
- Ideally suited to the protective removal of windscreen wiper arms
- Locking handle
- With narrow socket for tight spaces
- With conical self-tensioning clamping screws for proportional tension force distribution
- Self-centring jaw puller
- Extremely robust spindle with inductively hardened thread
- Special tool steel



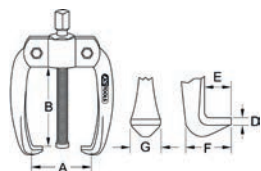
	A mm	B mm	max. t	mm	D mm	E mm	F mm	G mm	mm
700.1179	45	37	1,2	M10 x 105	5	8	16	8	284



UNIVERSAL 2 ARM PULLER

Universal 2 arm puller

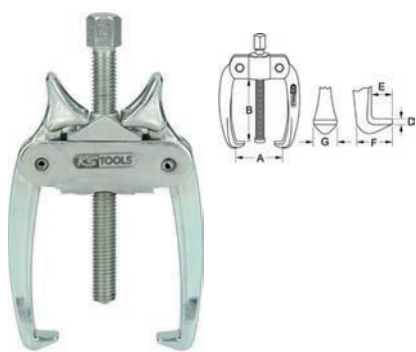
- Robust spindle with hexagon drive
- 640.4103 with locking handle
- Special tool steel



	A mm	B mm	max t mm	mm	D mm	E mm	F mm	G mm	kg
620.4101	10-60	45	2,5	M10x1 x 90	12	2	9	18	270
620.4102	10-70	65	3	M10x1 x 110	12	2	9	18	300
620.4103	10-100	80	3,5	M12x1,25 x 140	14	2,3	12	25	610

Universal 2 arm puller

- for the removal of small parts
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Pulling hooks are automatically pressed against the part to be pulled off
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	
620.0073	10-50	40	1	M8x85	10	1,5	6,5	15	8,5	200
620.0074	10-50	40	1	M8x85	10	2,2	7	12	12	200



Universal windscreen wiper arm puller set 2/4-jaws

- 2/4-jaws
- each with 2 extra-slim size and pairs of arms with varying width
- Ideally suited to removal of windscreen wiper arms
- Pulling spindle for damage-free support to the rear wiper blades
- Option of working with wide or narrow arms
- Ball bearing mounted centring point
- With narrow socket for tight spaces
- Extremely robust spindle with inductively hardened thread
- Prevents damage to the bodywork and the windscreen wiper arm
- External drive hexagonal socket 13.0 mm
- Special tool steel



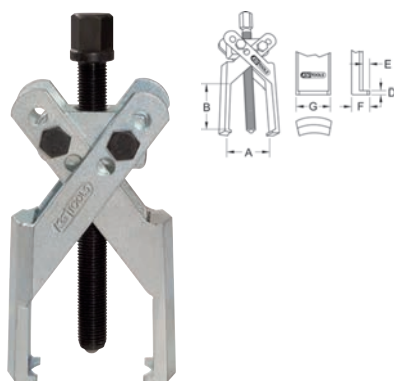
	A mm	B mm	max t mm	mm	D mm	E mm	F mm	G mm	kg
700.1242	6 pcs	Universal windscreen wiper arm puller set 2/4-jaws							690

consists of:

	A mm	B mm	max t mm	mm	D mm	E mm	F mm	G mm	kg
700.1245	Spindle M12 x 90 mm for 700.1242								150
700.1246	Traverse arm, 6 point								100
700.1247	Pair of legs – slim type								100
700.1248	Pair of legs – wide type								100

Universal 2 arm puller

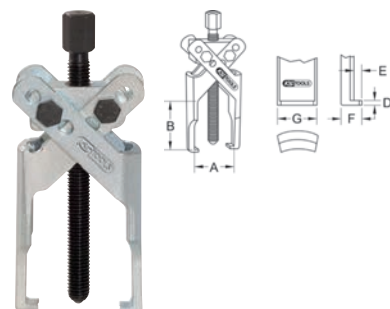
- Legs are adjustable in the working depth
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	 kg
620.5201	6-100	70/85	1,5	M10 x 105	12	2,5	4,5	8,5	23	0,40
620.5202	10-140	85/120	3,5	M14x1,5 x 130	17	3,5	5	10	31	0,90
620.5203	15-140	125/155	4,5	M14x1,5 x 200	17	3,5	5	10	31	1,10

Universal 2 arm puller set with narrow legs

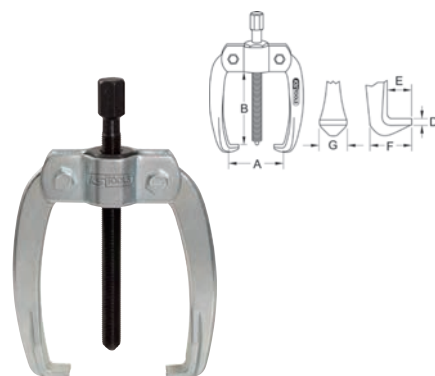
- Legs are adjustable in the working depth
- Ideal for confined spaces
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	
620.5301	6-100	70/85	1	M10 x 105	12	2,5	4,5	8,5	11	0,40
620.5302	15-140	125/155	2	M14x1,5 x 200	17	3,5	5	11	12	1,00

Basic universal 2 arm puller

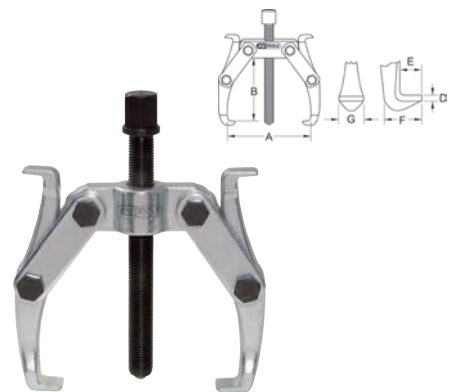
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t mm			D mm	E mm	F mm	G mm	
620.4301	10-100	80	2,5	M12x1,25 x 162	14	4	12	26	13	0,68
620.4302	10-120	120	3	M14x1,5 x 193	17	5	14	30	16	1,14
620.4303	20-160	160	3,5	M18x1,5 x 243	19	6	18	36	20	2,00
620.4304	20-200	200	4	M22x2 x 293	24	7	22	40	24	3,50

Universal 2 arm puller

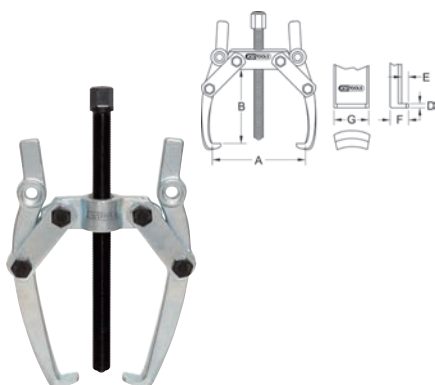
- Legs double ended usable
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t mm	 mm	 mm	D mm	E mm	F mm	G mm	
620.3001	20-150	85	3,5	M14x1,5 x 130	17	2	9	21	12	0,90
620.3002	40-220	130	4	M18x1,5 x 240	19	4	11	25	21	2,20

Universal 2 arm puller

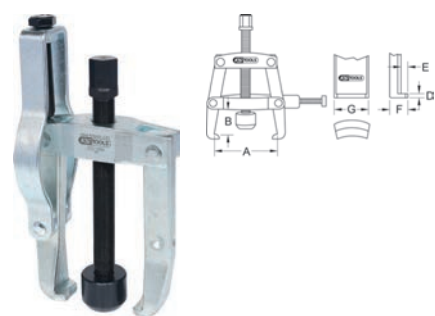
- Legs are adjustable in the working depth
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t mm	mm	D mm	E mm	F mm	G mm	kg
620.3401	20-170	130	3,5	M14x1,5 x 130	17	2	11	23	1,00
620.3402	20-230	200	4	M18x1,5 x 240	19	4,5	16	33	2,30

Universal bearing ring puller 2 arm with clamping yoke

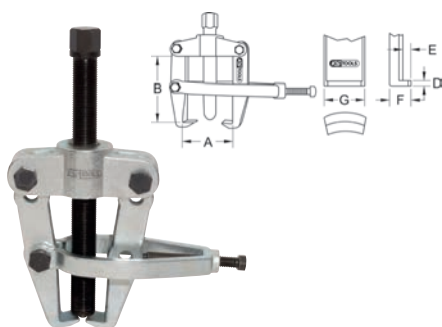
- Clamping yoke compresses the legs firmly
- Prevents slipping
- Pressure peak centers itself optimally in the cone of the hub boring
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	 mm	D mm	E mm	F mm	G mm	kg	
700.1260	90	100	1,2	M16 x 150	17	6,5	8,5	22,5	27,1	1,76

Universal 2 arm puller set with clamping yoke

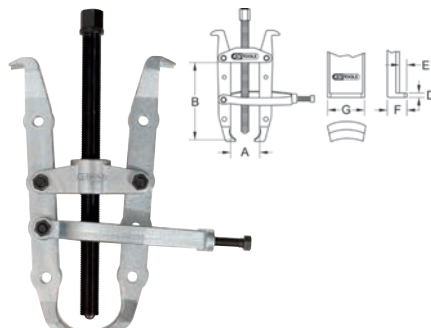
- Shearing action increases the pressing power when removing
- Clamping yoke compresses the legs firmly
- Prevents slipping
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	
620.5401	80	90	5	M18 x 1,5 x 130	19	3	12	26	24	1,70
620.5402	100	110	6	G1/2"x14g x 210	22	3	14	25	24	2,60
620.5403	150	150	8	G1/2"x14g x 210	22	3	14	25	24	3,40

Universal 2 arm puller set with clamping yoke

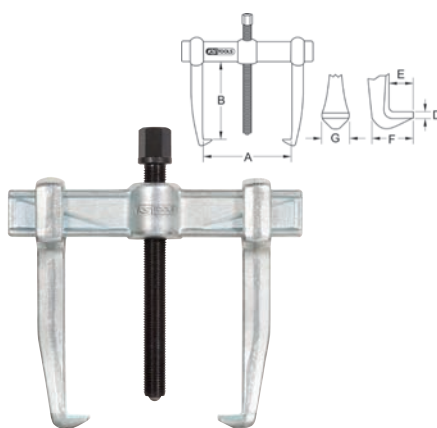
- Legs are adjustable in the working depth
- Legs double ended usable
- Clamping yoke compresses the legs firmly
- Prevents slipping
- Ideally suited for flush sitting bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	 kg
620.5501	110	170	5	M18x1,5 x 240	19	3	12	25	24	2,30
620.5502	150	270	6	G1/2"x14g x 270	22	3	14	25	24	4,10
620.5503	150	330	8	G1/2"x14g x 270	22	3	14	25	24	4,50

Universal 2 arm puller set with hardened steel legs

- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2" / G3/4"
- Extremely robust spindle with inductively hardened thread
- Special tool steel

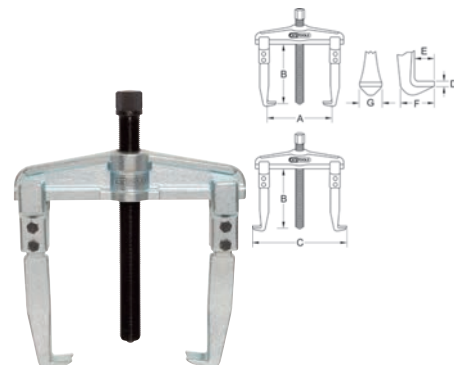


	A mm	B mm	C mm	max t mm	mm	D mm	E mm	F mm	G mm	kg
620.1301	15- 80	100	70- 130	3,5	M14x1,5 x 130	17	3	12	22	0,90
620.1302	15- 120	100	80- 170	3,5	M14x1,5 x 130	17	3	12	22	1,00
620.1303	20- 160	150	110- 210	6	G1/2"x14g x 210	22	4	16	30	2,70
620.1304	20- 200	150	120- 250	6	G1/2"x14g x 210	27	4	16	30	3,00
620.1305	40- 250	200	170- 300	8	G3/4"x14g x 280	27	6,5	23	43	6,50
620.1306	40- 350	200	190- 400	8	G3/4"x14g x 280	27	6,5	23	43	7,60



Universal 2 arm puller

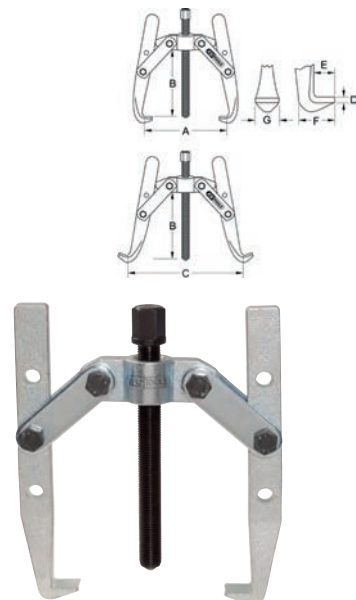
- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2" / G3/4" / G1"
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t mm	 mm	D mm	E mm	F mm	G mm	
620.0101	20-90	100	70- 130	4,5	M14x1,5 x 140	17	3	13	25	20 1,00
620.0102	25- 130	100	80- 180	4,5	M14x1,5 x 140	17	3	13	25	20 1,20
620.0103	50- 160	150	105- 220	6,5	G1/2"x14g x 210	22	4	16	35	25 3,00
620.0104	60- 200	150	120- 270	6,5	G1/2"x14g x 210	22	4	16	35	25 3,30
620.0105	80- 250	200	160- 330	11	G3/4"x14g x 280	27	5	25	54	35 7,40
620.0106	80- 350	200	160- 420	11	G3/4"x14g x 280	27	5	25	54	35 8,50
620.0107	110- 520	200	195- 600	13	G3/4"x14g x 280	27	5	25	54	35 13,00
620.0108	170- 640	225	250- 720	18	G1"x11g x 310	36	10	33	55	50 23,70

Universal 2 arm puller

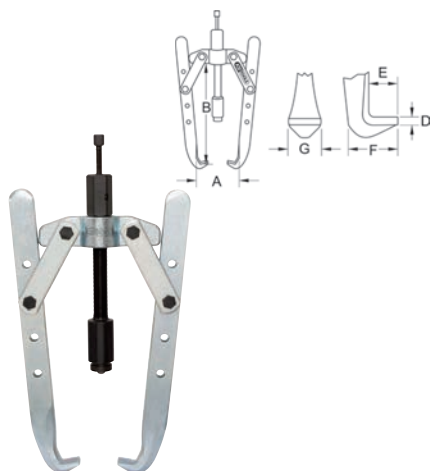
- Legs are adjustable in the working depth
- Hydraulic spindles available for thread G1/2"
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t mm			D mm	E mm	F mm	G mm	
620.3601	18-100	85	2,5	M10 x 105	12	2	10	20	14	0,40
620.3602	20-200	150	3,5	M14x1,5 x 130	17	3	14	25	18	1,20
620.3603	35-250	220	4	M18x1,5 x 240	19	4	20	35	25	2,80
620.3604	50-300	250	6	G1/2"x14g x 270	22	5	25	48	30	5,40
620.3605	50-350	350	6	G1/2"x14g x 270	22	5	25	48	30	6,10
620.3606	50-400	400	6	G1/2"x14g x 270	22	5	25	48	30	6,40
620.3607	50-450	450	6	G1/2"x14g x 270	22	5	25	48	30	6,90
620.3608	50-500	500	6	G1/2"x14g x 270	22	5	25	48	30	7,00
620.3609	50-500	650	6	G1/2"x14g x 270	22	5	25	48	30	8,40
620.3610	50-500	1000	6	G1/2"x14g x 270	22	5	25	48	30	11,00

Hydraulic universal 2 arm puller

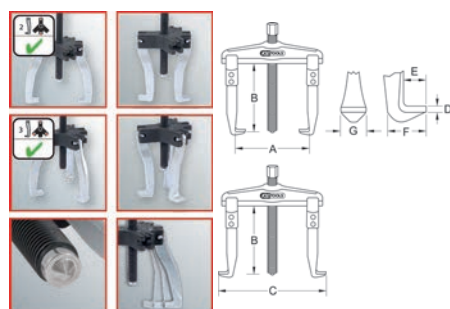
- Legs are adjustable in the working depth
- Different leg variants available
- Includes hydraulic thrust spindle
- Excellent power transfer
- Special tool steel



	A	B	C	max	Hydraulic	D	E	F	G	H
	mm	mm	mm	t	spindle	mm	mm	mm	mm	mm
620.3801	50-300	175	12	615.0002	32	5	25	48	30	5,70
620.3802	50-350	275	12	615.0002	32	5	25	48	30	6,40
620.3803	50-400	325	12	615.0002	32	5	25	48	30	6,70
620.3804	50-450	375	12	615.0002	32	5	25	48	30	7,20
620.3805	50-500	425	12	615.0002	32	5	25	48	30	7,30
620.3806	50-500	575	12	615.0002	32	5	25	48	30	8,70

Universal 2 + 3 arm puller

- Legs double ended usable
- Through reversing the arms internal and external applications are possible
- Reception star for 2 or 3 hooks
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A	B	C	max			D	E	F	G	
	mm	mm	mm	t	mm	mm	mm	mm	mm	mm	kg
640.4203	60	65	90	2,0	G3/8"x1,06px110	13	3	10	18	11	0,47
640.4204	90	100	130	5,0	G9/16"x2,0px190	17	4	15,5	29	17	1,60
640.4205	165	170	170	7,0	G3/4"x2,0px285	22	4	15,5	29	17	3,20

Universal puller 2 and 3 arm

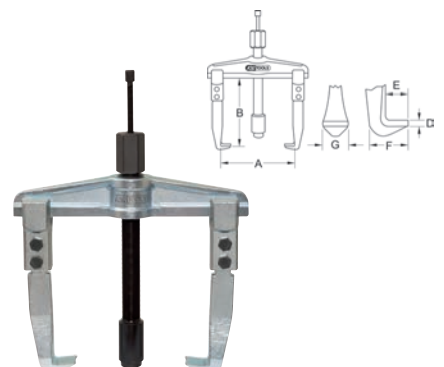
- Legs double ended usable
- Reception star for 2 or 3 hooks
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A	B	C	max	Hydraulic	D	E	F	G	H
	mm	mm	mm	t	spindle	mm	mm	mm	mm	mm
700.1120	70	75	1,2	3/8"x24g x 120	13	3,2	8,4	20	8,4	0,96
700.1130	120	150	1,2	M14x1,25 x 175	16	7,2	7	17,8	7,0	1,83

Hydraulic universal 2 arm puller

- Through reversing the arms internal and external applications are possible
- Different leg variants available
- Includes hydraulic thrust spindle
- Lower power usage
- Special tool steel

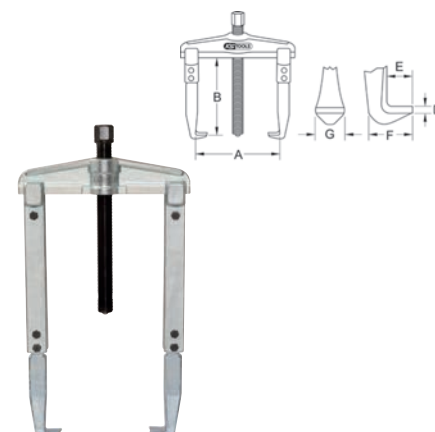


	A	B	C	max	Hydraulic spindle	D	E	F	G	
	mm	mm	mm	t	 mm	mm	mm	mm	mm	 kg
620.0301	50-160	145	105-220	12	615.0002	32	4	16	35	25 3,40
620.0302	50-200	145	120-270	12	615.0002	32	4	16	35	25 3,80
620.0303	80-250	125	160-330	12	615.0003	36	5	25	54	35 8,00
620.0304	80-350	125	160-420	12	615.0003	36	5	25	54	35 9,00
620.0305	110-520	125	195-600	12	615.0003	36	5	25	54	35 13,50
620.0306	170-640	125	250-720	12	615.0003	36	5	25	54	35 21,00
620.0307	170-640	210	250-720	15	615.0004	41	10	33	55	50 27,00



Universal 2 arm puller set with extended legs

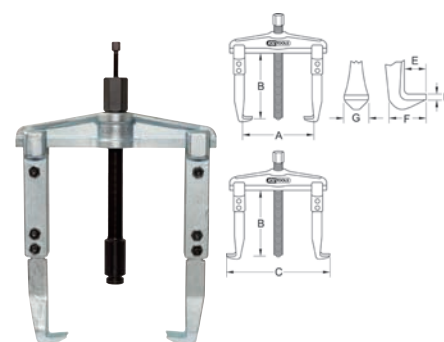
- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2" / G3/4"
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t		D mm	E mm	F mm	G mm		
620.0501	20-90	200	70-130	4,5	M14x1,5 x 140	17	3	13	25	20	1,50
620.0502	25-130	200	80-180	4,5	M14x1,5 x 140	17	3	13	25	20	1,70
620.0503	50-160	300	105-220	6,5	G1/2"x14g x 210	22	4	16	35	25	4,00
620.0504	60-200	300	120-270	6,5	G1/2"x14g x 210	22	4	16	35	25	4,30
620.0505	80-250	300	160-330	11	G3/4"x14g x 280	27	5	25	54	35	9,20
620.0506	80-350	300	160-420	11	G3/4"x14g x 280	27	5	25	54	35	10,30
620.0507	110-520	300	195-600	13	G3/4"x14g x 280	27	5	25	54	35	14,80
620.0508	80-250	400	160-330	11	G3/4"x14g x 280	27	5	25	54	35	10,50
620.0509	80-350	400	160-420	11	G3/4"x14g x 280	27	5	25	54	35	11,60
620.0510	110-520	400	195-600	13	G3/4"x14g x 280	27	5	25	54	35	16,10
620.0511	80-250	500	160-330	11	G3/4"x14g x 280	27	5	25	54	35	11,90
620.0512	80-350	500	160-420	11	G3/4"x14g x 280	27	5	25	54	35	13,00
620.0513	110-520	500	195-600	13	G3/4"x14g x 280	27	5	25	54	35	17,50

Hydraulic universal 2 arm puller

- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2"
- Includes hydraulic thrust spindle
- Lower power usage
- Special tool steel



	A	B	C	max	Hydraulic spindle		D	E	F	G	
	mm	mm	mm	t		mm	mm	mm	mm	mm	
620.0701	50-160	225	105-220	12	615.0002	13	4	16	35	25	3,90
620.0702	50-200	225	120-270	12	615.0002	13	4	16	35	25	4,80
620.0703	80-250	225	160-330	12	615.0002	13	5	25	54	35	9,80
620.0704	80-350	225	160-420	12	615.0002	13	5	25	54	35	10,80
620.0705	110-520	225	195-600	12	615.0002	13	5	25	54	35	15,30
620.0706	80-250	325	160-330	12	615.0002	13	5	25	54	35	11,10
620.0707	80-350	325	160-420	12	615.0002	13	5	25	54	35	12,10
620.0708	110-520	325	195-600	12	615.0002	13	5	25	54	35	16,60
620.0709	80-250	425	160-330	12	615.0002	13	5	25	54	35	12,50
620.0710	80-350	425	160-420	12	615.0002	13	5	25	54	35	13,50
620.0711	110-520	425	195-600	12	615.0002	13	5	25	54	35	18,00

Quick release universal 2 arm puller

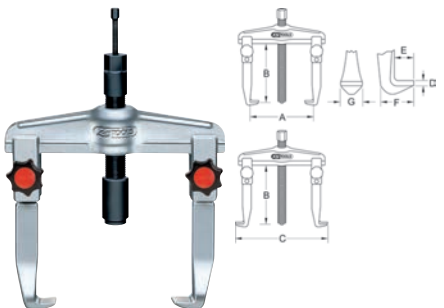
- Quick release function
- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2" / G3/4"
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	 kg
620.1701	20-90	100	70-130	4,5	M14x1,5 x 130	17	3	13	25	20	1,00
620.1702	25-130	100	80-180	4,5	M14x1,5 x 130	17	3	13	25	20	1,20
620.1703	50-160	150	108-220	6,5	G1/2"x14g x 210	22	4	16	35	25	3,00
620.1704	60-200	150	120-270	6,5	G1/2"x14g x 210	22	4	16	35	25	3,30
620.1705	80-250	200	160-330	11	G3/4"x14g x 280	27	5	25	54	35	7,40
620.1706	80-350	200	160-420	11	G3/4"x14g x 280	27	5	25	54	35	8,50

Hydraulic quick release universal 2 arm puller

- Quick release function
- Through reversing the arms internal and external applications are possible
- Different leg variants available
- Includes hydraulic thrust spindle
- Excellent power transfer
- Special tool steel

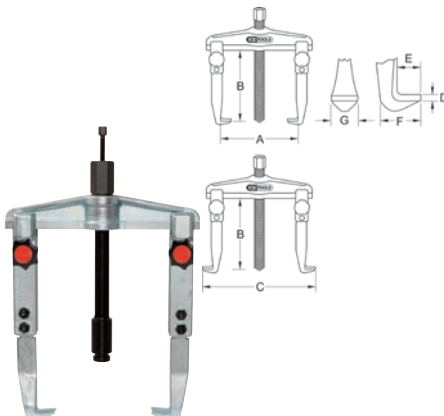


	A mm	B mm	C mm	max t	Hydraulic spindle	 mm	D mm	E mm	F mm	G mm	 kg
620.1901	50-160	145	105-220	12	615.0003	32	4	16	35	25	3,40
620.1902	50-200	145	120-270	12	615.0003	32	4	16	35	25	3,80
620.1903	80-250	125	160-330	12	615.0004	32	5	25	54	35	8,00
620.1904	80-350	125	160-420	12	615.0004	32	5	25	54	35	9,00



Hydraulic quick release universal 2 arm puller with extended legs

- Quick release function
- Long execution
- even load distribution and centred pull-off
- Through reversing the arms internal and external applications are possible
- Different leg variants available
- Includes hydraulic thrust spindle
- Lower power usage
- Special tool steel



	A mm	B mm	C mm	max t	Hydraulic spindle mm	D mm	E mm	F mm	G mm	
620.0075	80-250	225	160-330	12	615.0003	13	5	25	54	35 9,80
620.0076	80-250	325	160-330	12	615.0003	13	5	25	54	35 11,10
620.0077	80-250	425	160-330	12	615.0003	13	5	25	54	35 12,50
620.0078	80-350	225	160-420	12	615.0003	13	5	25	54	35 10,80
620.0079	80-350	325	160-420	12	615.0003	13	5	25	54	35 12,10
620.0081	80-350	425	160-420	12	615.0003	13	5	25	54	35 13,80
620.0082	110-520	225	195-600	12	615.0003	13	5	25	54	35 15,30
620.0083	110-520	325	195-600	12	615.0003	13	5	25	54	35 16,60
620.0084	110-520	425	195-600	12	615.0003	13	5	25	54	35 18,30
620.0085	140-640	225	225-715	12	615.0003	13	5	25	54	35 19,80
620.0086	140-640	325	225-715	12	615.0003	13	5	25	54	35 21,10
620.0087	140-640	425	225-715	12	615.0003	13	5	25	54	35 22,50

Universal 2 arm puller set with extremely narrow legs

- Narrow execution
- extremely pointed hook foot
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t	 mm	D mm	E mm	F mm	G mm	
620.0041	20-90	100	70-130	2,5	M14x1,5 x 130	17	3,6	8	14	1,00
620.0042	25-130	100	80-180	2,5	M14x1,5 x 130	17	3,6	8	14	1,20
620.0043	50-160	150	105-220	5	G1/2"x14 x 210	22	5	7,5	15	2,90
620.0044	60-200	150	120-270	5	G1/2"x14 x 210	22	5	7,5	15	3,20

Universal 2 arm puller set with narrow legs

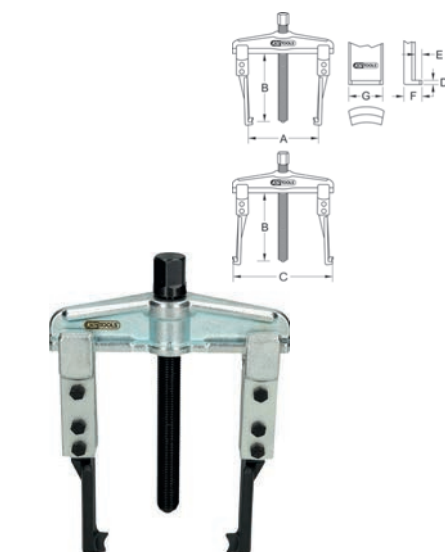
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t	 mm	D mm	E mm	F mm	G mm		
620.0023	20-90	100	90-170	3,5	M14x1,5 x 130	17	2	8	14	28	1,00
620.0024	25-130	100	95-175	3,5	M14x1,5 x 130	17	2	8	14	28	1,20
620.0901	20-90	100	70-130	4,5	M14x1,5 x 140	17	3,6	6	13	27	1,00
620.0902	25-130	100	80-180	4,5	M14x1,5 x 140	17	3,6	6	13	27	1,20
620.0903	50-160	150	105-220	6,5	G1/2"x14g x 210	22	5	8	17	40	3,00
620.0904	60-200	150	120-270	6,5	G1/2"x14g x 210	22	5	8	17	40	3,30

Universal 2 arm puller set with extremely narrow and extended legs

- extremely pointed hook foot
- Ideal for confined spaces
- Long execution
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t		D mm	E mm	F mm	G mm		
620.0027	20-90	120	70-130	3,5	M14x1,5 x 130	17	2	8	14	28	1,10
620.0028	20-90	200	70-130	3,5	M14x1,5 x 130	17	2	8	14	28	1,50
620.0029	20-90	250	70-130	3,5	M14x1,5 x 130	17	2	8	14	28	1,70
620.0031	25-130	120	80-180	3,5	M14x1,5 x 130	17	2	8	14	28	1,30
620.0032	25-130	200	80-180	3,5	M14x1,5 x 130	17	2	8	14	28	1,70
620.0033	25-130	250	80-180	3,5	M14x1,5 x 130	17	2	8	14	28	1,90

Universal 2 arm puller set with extremely narrow and extended legs

- Narrow execution
- Long execution
- extremely pointed hook foot
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A	B	C	max		D	E	F	G	
	mm	mm	mm	t	mm	mm	mm	mm	mm	kg
620.0051	20-90	120	70-130	2,5	M14x1,5 x 130	17	3,6	8	14	1,10
620.0052	20-90	200	70-130	2,5	M14x1,5 x 130	17	3,6	8	14	1,50
620.0053	20-90	250	70-130	2,5	M14x1,5 x 130	17	3,6	8	14	1,70
620.0054	25-130	120	80-180	2,5	M14x1,5 x 130	17	3,6	8	14	1,30
620.0055	25-130	200	80-180	2,5	M14x1,5 x 130	17	3,6	8	14	1,70
620.0056	25-130	250	80-180	2,5	M14x1,5 x 130	17	3,6	8	14	1,90
620.0057	50-160	120	105-220	5	G1/2"x14 x 210	22	5	7,5	15	2,30
620.0058	50-160	200	105-220	5	G1/2"x14 x 210	22	5	7,5	15	2,70
620.0059	60-200	220	120-270	5	G1/2"x14 x 210	22	5	7,5	15	3,80
620.0061	60-200	300	120-270	5	G1/2"x14 x 210	22	5	7,5	15	4,30

Universal 2 arm puller set with narrow and extended legs

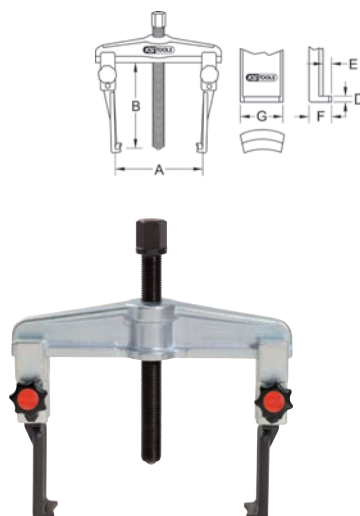
- Ideal for confined spaces
- Long execution
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A	B	C	max		D	E	F	G	
	mm	mm	mm	t	mm	mm	mm	mm	mm	kg
620.0001	20-90	120	70-130	4,5	M14x1,5 x 130	17	3,6	8	14	1,10
620.0002	20-90	200	70-130	4,5	M14x1,5 x 130	17	3,6	8	14	1,50
620.0003	20-90	250	70-130	4,5	M14x1,5 x 130	17	3,6	8	14	1,70
620.0004	25-130	120	80-180	4,5	M14x1,5 x 130	17	3,6	8	14	1,30
620.0005	25-130	200	80-180	4,5	M14x1,5 x 130	17	3,6	8	14	1,70
620.0006	25-130	250	80-180	4,5	M14x1,5 x 130	17	3,6	8	14	1,90
620.0007	50-160	120	105-220	6,5	G1/2"x14 x 210	22	5	7,5	15	2,30
620.0008	50-160	200	105-220	6,5	G1/2"x14 x 210	22	5	7,5	15	2,70
620.0009	60-200	220	120-270	6,5	G1/2"x14 x 210	22	5	7,5	15	3,80
620.0011	60-200	300	120-270	6,5	G1/2"x14 x 210	22	5	7,5	15	4,30

Quick release universal 2 arm puller set with narrow legs

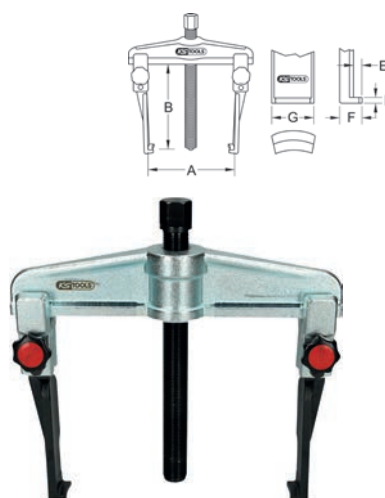
- Quick release function
- Ideal for confined spaces
- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2"
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A	B	C	max		D	E	F	G	
	mm	mm	mm	t	mm	mm	mm	mm	mm	kg
620.0025	20-90	100	70-130	3,5	M14x1,5 x 130	17	2	8	14	1,00
620.0026	25-130	100	80-180	3,5	M14x1,5 x 130	17	2	8	14	1,20
620.1101	20-90	100	70-130	4,5	M14x1,5 x 140	17	3,6	6	13	1,00
620.1102	25-130	100	80-180	4,5	M14x1,5 x 140	17	3,6	6	13	1,20
620.1103	50-160	150	105-220	6,5	G1/2"x14 x 210	22	5	8	17	3,00
620.1104	60-200	150	120-270	6,5	G1/2"x14 x 210	22	5	8	17	3,30

Quick adjustment universal 2 arm puller set with extremely narrow legs

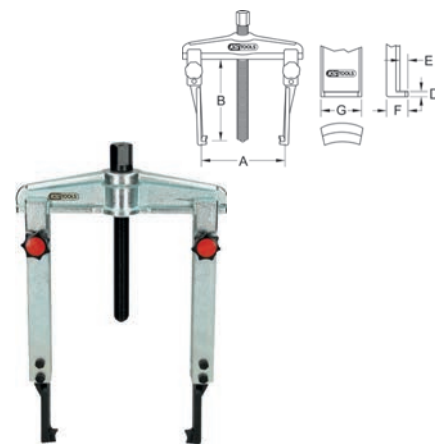
- Quick release function
- Narrow execution
- extremely pointed hook foot
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A	B	C	max		D	E	F	G	
	mm	mm	mm	t	mm	mm	mm	mm	mm	kg
620.0045	20-90	100	70-130	2,5	M14x1,5 x 130	17	3,6	8	14	1,00
620.0046	25-130	100	80-180	2,5	M14x1,5 x 130	17	3,6	8	14	1,20
620.0047	50-160	150	105-220	5	G1/2"x14 x 210	22	5	7,5	15	2,90
620.0048	60-200	150	120-270	5	G1/2"x14 x 210	22	5	7,5	15	3,20

Quick adjustment universal 2 arm puller set with extremely narrow and extended legs

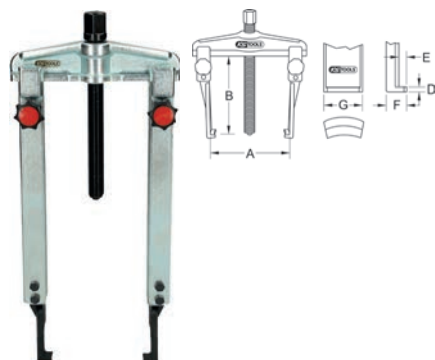
- Quick release function
- extremely pointed hook foot
- Ideal for confined spaces
- Long execution
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A	B	C	max		D	E	F	G	
	mm	mm	mm	t	mm	mm	mm	mm	mm	kg
620.0034	20-90	120	70-130	3,5	M14x1,5 x 130	17	2	8	14	1,10
620.0035	20-90	200	70-130	3,5	M14x1,5 x 130	17	2	8	14	1,50
620.0036	20-90	250	70-130	3,5	M14x1,5 x 130	17	2	8	14	1,70
620.0037	25-130	120	80-180	3,5	M14x1,5 x 130	17	2	8	14	1,30
620.0038	25-130	200	80-180	3,5	M14x1,5 x 130	17	2	8	14	1,70
620.0039	25-130	250	80-180	3,5	M14x1,5 x 130	17	2	8	14	1,90

Quick adjustment universal 2 arm puller set with extremely narrow and extended legs

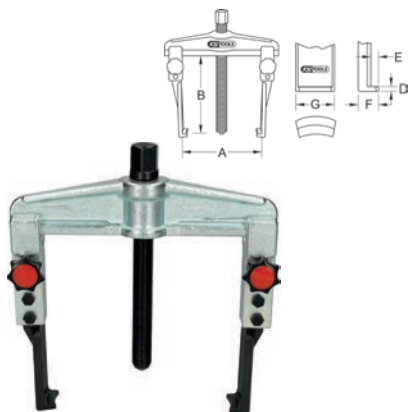
- Quick release function
- Narrow execution
- Long execution
- extremely pointed hook foot
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A	B	C	max		D	E	F	G	
	mm	mm	mm	t	mm	mm	mm	mm	mm	kg
620.0062	20-90	120	70-130	2,5	M14x1,5 x 130	17	3,6	8	14	1,10
620.0063	20-90	200	70-130	2,5	M14x1,5 x 130	17	3,6	8	14	1,50
620.0064	20-90	250	70-130	2,5	M14x1,5 x 130	17	3,6	8	14	1,70
620.0065	25-130	120	80-180	2,5	M14x1,5 x 130	17	3,6	8	14	1,30
620.0066	25-130	200	80-180	2,5	M14x1,5 x 130	17	3,6	8	14	1,70
620.0067	25-130	250	80-180	2,5	M14x1,5 x 130	17	3,6	8	14	1,90
620.0068	50-160	220	105-220	5,0	G1/2"x14 x 210	22	5	7,5	15	2,30
620.0069	60-200	300	105-220	5,0	G1/2"x14 x 210	22	5	7,5	15	2,70
620.0071	60-200	220	120-270	5,0	G1/2"x14 x 210	22	5	7,5	15	3,80
620.0072	60-200	300	120-270	5,0	G1/2"x14 x 210	22	5	7,5	15	4,30

Quick adjustment universal 2 arm puller set with narrow and extended legs

- Quick release function
- Ideal for confined spaces
- Long execution
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel

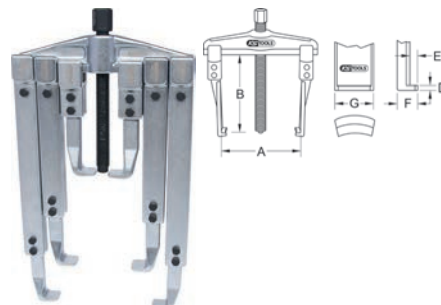


	A mm	B mm	C mm	max t mm	 mm	D mm	E mm	F mm	G mm	
620.0012	20-90	120	70-130	4,5	M14x1,5 x 130	17	3,6	8	14	28 1,10
620.0013	20-90	200	70-130	4,5	M14x1,5 x 130	17	3,6	8	14	28 1,50
620.0014	20-90	250	70-130	4,5	M14x1,5 x 130	17	3,6	8	14	28 1,70
620.0015	25-130	120	80-180	4,5	M14x1,5 x 130	17	3,6	8	14	28 1,30
620.0016	25-130	200	80-180	4,5	M14x1,5 x 130	17	3,6	8	14	28 1,70
620.0017	25-130	250	80-180	4,5	M14x1,5 x 130	17	3,6	8	14	28 1,90
620.0018	50-160	220	105-220	6,5	G1/2"x14 x 210	17	5	7,5	15	40 3,50
620.0019	50-160	300	105-220	6,5	G1/2"x14 x 210	17	5	7,5	15	40 4,00
620.0021	60-200	220	120-270	6,5	G1/2"x14 x 210	17	5	7,5	15	40 3,80
620.0022	60-200	300	120-270	6,5	G1/2"x14 x 210	17	5	7,5	15	40 4,30

UNIVERSAL 2 ARM PULLER SET
Universal puller set

- Through reversing the arms internal and external applications are possible
- Two armed traverse for 2 or 3 hooks
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel

Application range: Gear wheels, bearings, pinions, synchroniser hubs etc.



		A mm	B mm	max t	max N·m	 mm	 mm	 kg	
700.1320	8 pcs	120	260	4,5	80	M14x 150	17	3,54	

consists of:

	kg
700.1311 Spindle, M14x1,5	180
700.1312 Two armed traverse	485
700.1321 Draw-off arm, 120mm	260
700.1322 Draw-off arm, 230mm	540
700.1323 Draw-off arm, 280mm	640

Universal puller set

- Legs double ended usable
- Reception star for 2 or 3 hooks
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



	kg
700.1100 11 pcs Universal puller set	4,39

consists of:

	kg
700.1120 Mechanical 2 and 3 leg puller, 4"	0,96
700.1130 Mechanical 2 and 3 leg puller, 6"	1,83
700.1140 Bearing splitter, for max. Ø 50 mm	1,15

Quick adjustment universal puller set

- Quick release function
- Ideal for confined spaces
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



		A mm	B mm	 mm	max t	 kg	
625.1701	7 pcs	20 - 90	100	M14 x 1,5	5,5	2,30	

consists of:

	kg
620.1701 Quick release universal 2 arm puller, 20-90mm	1,00
630.1701 Quick release 3 arm puller, 20-90mm	1,30
980.1090 Special thread grease, tube	0,01

Quick adjustment universal puller set

- Quick release function
- Ideal for confined spaces
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



		A mm	B mm	mm	max t	kg	
625.1703	7 pcs	50 - 160	150	G1/2"x14G	5.5	6,50	

consists of:

	kg
620.1703 Quick release universal 2 arm puller, 50-160mm	3,00
630.1703 Quick release 3 arm puller, 50-160mm	3,50
980.1090 Special thread grease, tube	0,01

Hydraulic universal 2 + 3 arm puller set

- Less risk of slippage due to automatically closing pulling arm
- 8 length positions possible
- Extremely robust spindle with inductively hardened thread
- Lower power usage
- Special tool steel
- In durable plastic storage case



	kg
700.1200 22 pcs Hydraulic universal 2 + 3 arm puller set	16,40

consists of:

700.1202	Puller legs, 4"	410	
700.1203	Puller legs, 6"	600	
700.1204	Puller legs, 8"	840	
700.1205	Yoke f.2 legs, quickly modified	300	
700.1206	Yoke f.3 legs, quickly modified	760	
700.1207	Thrust bolt extension, 20 mm	50	
700.1208	Thrust bolt extension, 35 mm	130	
700.1209	Thrust bolt extension, 85 mm	320	
700.1210	Pulling ring f.hydraulic thrust bolt	322	
700.1220	Separator/puller tool, for max. Ø 105 mm	2540	
700.1221	Yoke f.bearing separator tool	1480	
700.1222	Extension f.bearing separator tool, 185mm	1060	
700.1223	Spigot f.bearing separator tool, 235mm	1110	
700.1400-1	Hydraulic spindle 10 t, AG 1.1/2"x16G	1344	

Universal 2 + 3 arm puller set

- Slim hooks
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Excellent power transfer
- Special tool steel
- In durable plastic storage case



700.1300	12 pcs	Universal 2 + 3 arm puller set	6,69

consists of:

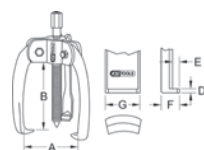
700.1311	Spindle, M14x1,5	180	
700.1312	Two armed traverse	485	
700.1313	Three armed traverse	675	
700.1314	Draw-off arm, 100mm	250	
700.1315	Draw-off arm, 210mm	530	
700.1316	Draw-off arm, 260mm	640	



UNIVERSAL 3 ARM PULLER

Universal 3 arm puller

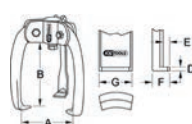
- With tension screw for proportional tension force distribution
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	 mm	D mm	E mm	F mm	G mm	
630.0015	10-60	45	2,5	M10x105	12	1	5	12	8 400
630.0016	15-70	65	3,0	M10x105	12	1	5	12	8 500
630.0017	20-100	80	3,5	M10x150	12	1,8	10	20	12 800

Universal 3 arm puller with slide hammer

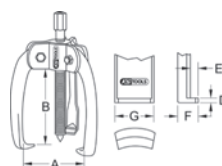
- With tension screw for proportional tension force distribution
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	D mm	E mm	F mm	G mm	
630.0018	10-60	45	2,5	1	5	12	8	1,30
630.0019	15-70	65	3,0	1	5	12	8	1,70
630.0021	20-100	80	3,5	1,8	10	20	12	2,00

Basic universal 3 arm puller

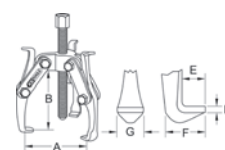
- Uniform load distribution and centered tightening
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t		D mm	E mm	F mm	G mm	
630.4301	10-100	80	2,5	M12x1,25 x 162	14	4	12	26	13 0,91
630.4302	10-120	120	3	M14x1,5 x 193	17	5	14	30	16 1,49
630.4303	20-160	160	3,5	M18x1,5 x 243	19	6	18	36	20 2,50
630.4304	20-200	200	4	M22x2 x 293	24	7	22	40	24 4,20

Universal 3 arm puller

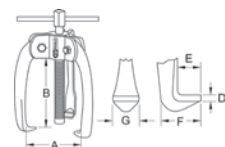
- Legs double ended usable
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	
630.3001	20-150	85	4	M14x1,5 x 130	17	2	9	21	12	1,20
630.3002	40-220	130	4,5	M18x1,5 x 240	19	4	11	25	21	2,90

Universal 3 arm puller

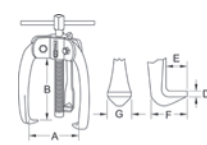
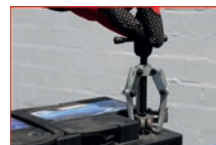
- Locking handle
- Uniform load distribution and centered tightening
- Ideally suited for extracting small parts
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	 mm	D mm	E mm	F mm	G mm	 g	
630.4101	10-60	45	2,5	M10x1 x 90	12	2	9	18	10	300
630.4102	10-70	65	3	M10x1 x 110	12	2	9	18	10	300
630.4103	10-100	80	3,5	M12x1,25 x 140	14	2,3	12	25	13	800

3-jaw pole terminal extractor with t-bar

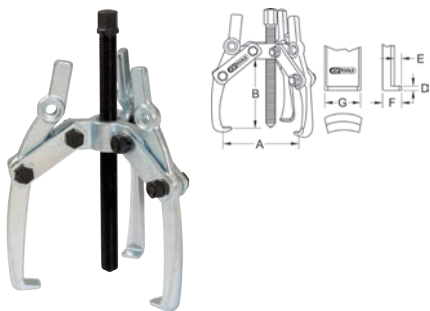
- 3-jaw
- Ideally suited for removing the battery pole terminal
- Locking handle
- Automatic pressure on the legs
- Extremely robust spindle with inductively hardened thread
- Screwed
- Sturdy hook
- Special tool steel



	A mm	B mm	max t	mm	D mm	E mm	F mm	G mm	
700.1167	10-60	40	0,75	M10 x 60	2,3	5,5	12,3	10,0	181
700.1168	10-60	60	0,8	M10 x 80	3,0	5,5	12,5	10,0	215
700.1169	10-70	80	1,0	M10 x 100	3,0	8,0	15,2	14,1	323

Universal 3 arm puller

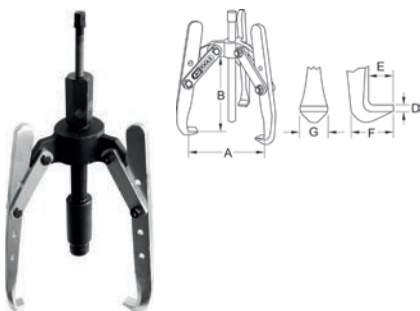
- Legs are adjustable in the working depth
- Uniform load distribution and centered tightening
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	mm	D mm	E mm	F mm	G mm	H mm
630.3601	20-170	130	4	M14x1,5 x 130	17	2	11	23	16
630.3602	20-230	200	4,5	M18x1,5 x 240	19	4,5	16	33	20

Hydraulic universal 3 arm puller

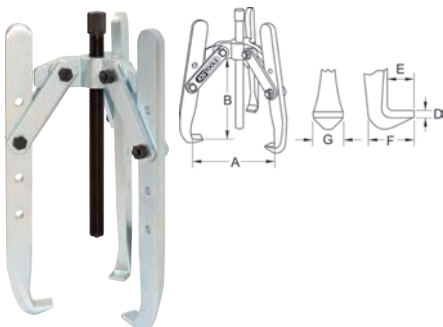
- Legs are adjustable in the working depth
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Pulling hooks are automatically pressed against the part to be pulled off
- Different leg variants available
- Includes hydraulic thrust spindle
- Excellent power transfer
- Special tool steel



	A mm	B mm	C mm	max t	mm	D mm	E mm	F mm	G mm	H mm
630.0027	50-350	135	90-135	15	M11x1,5 x 100	17	5	25	48	30
630.0028	50-350	135	95-140	15	M11x1,5 x 100	17	5	25	48	30
630.0029	50-350	135	90-130	15	M11x1,5 x 100	17	5	25	48	30
630.0031	50-350	135	100-175	15	M11x1,5 x 100	17	5	25	48	30
630.0032	50-350	135	100-180	15	M11x1,5 x 100	17	5	25	48	30

Universal 3 arm puller

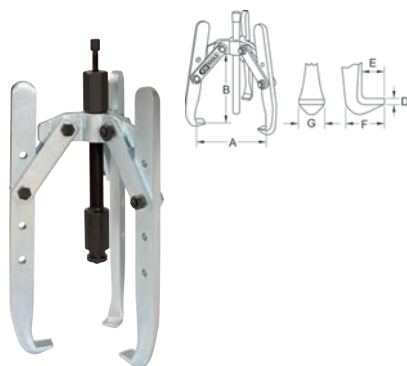
- Legs are adjustable in the working depth
- Uniform load distribution and centered tightening
- Hydraulic spindles available for thread G1/2"
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	mm	D mm	E mm	F mm	G mm	H mm
630.3601	18-100	85	3	M10 x 105	12	2	10	20	14
630.3602	20-200	150	4	M14x1,5 x 130	17	3	14	25	18
630.3603	35-250	220	4,5	M18x1,5 x 240	19	4	20	36	25
630.3604	50-300	250	12	G1/2"x14g x 270	22	5	25	48	30
630.3605	50-350	350	12	G1/2"x14g x 270	22	5	25	48	30
630.3606	50-400	400	12	G1/2"x14g x 270	22	5	25	48	30
630.3607	50-450	450	12	G1/2"x14g x 270	22	5	25	48	30
630.3608	50-500	500	12	G1/2"x14g x 270	22	5	25	48	30
630.3609	50-500	650	12	G1/2"x14g x 270	22	5	25	48	30
630.3610	50-500	1000	12	G1/2"x14g x 270	22	5	25	48	30

Hydraulic universal 3 arm puller

- Legs are adjustable in the working depth
- Uniform load distribution and centered tightening
- Wide range of arms and hydraulic spindles available
- Includes hydraulic thrust spindle
- Excellent power transfer
- Special tool steel



	A mm	B mm	max t	mm	D mm	E mm	F mm	G mm	H mm
630.3801	50-300	250	12	M14x1,5 x 100	17	5	25	48	30
630.3802	50-350	350	12	M14x1,5 x 100	17	5	25	48	30
630.3803	50-400	400	12	M14x1,5 x 100	17	5	25	48	30
630.3804	50-450	450	12	M14x1,5 x 100	17	5	25	48	30
630.3805	50-500	500	12	M14x1,5 x 100	17	5	25	48	30
630.3806	50-500	650	12	M14x1,5 x 100	17	5	25	48	30
630.3807	50-500	1000	12	M14x1,5 x 100	17	5	25	48	30

Universal puller 2 and 3 arm

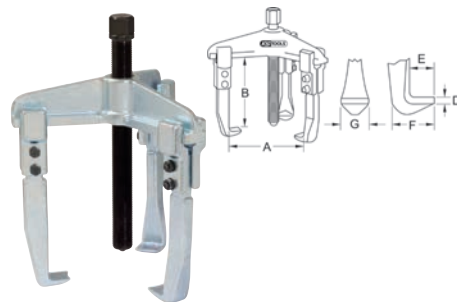
- Legs double ended usable
- Reception star for 2 or 3 hooks
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	max t	mm	D mm	E mm	F mm	G mm	H mm
700.1120	70	75	1,2	3/8"x24g x 120	13	3,2	8,4	20	8,4
700.1130	120	150	1,2	M14x1,25 x 175	16	7,2	7	17,8	7,0

Universal 3 arm puller

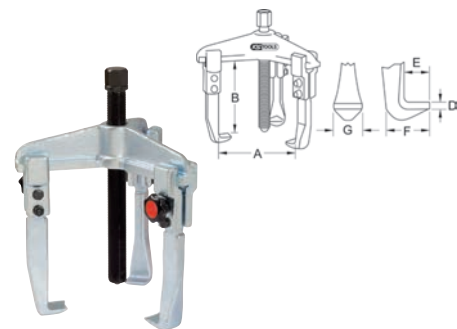
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2"
- Excellent power transfer
- Special tool steel



	A mm	B mm	C mm	max t	mm	D mm	E mm	F mm	G mm	H mm
630.0101	20-90	100	70-140	5,5	M14x1,5 x 130	17	3	13	25	20
630.0102	25-130	100	75-155	5,5	M14x1,5 x 130	17	3	13	25	20
630.0103	50-160	150	130-220	7	G1/2"x14g x 210	22	4	16	35	25
630.0104	50-200	150	130-255	7	G1/2"x14g x 210	22	4	16	35	25

Quick release 3 arm puller

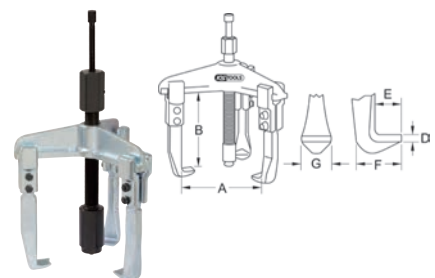
- Quick release
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2"
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t	mm	D mm	E mm	F mm	G mm	H mm
630.1701	20-90	100	15-145	5,5	M14x1,5 x 130	17	3	13	25	20
630.1702	25-130	100	15-170	5,5	M14x1,5 x 130	17	3	13	25	20
630.1703	50-160	150	75-185	7	G1/2"x14g x 210	22	4	16	35	25
630.1704	60-200	150	85-225	7	G1/2"x14g x 210	22	4	16	35	25

Hydraulic universal 3 arm puller

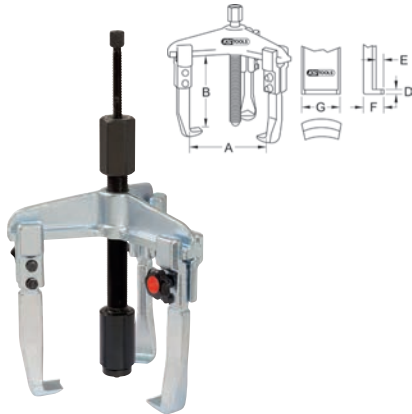
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Different leg variants available
- Includes hydraulic thrust spindle
- Excellent power transfer
- Special tool steel



	A mm	B mm	C mm	max t	Hydraulic spindle	D mm	E mm	F mm	G mm	H mm
630.0301	50-160	145	125-215	12	615.0003	32	4	16	35	25
630.0302	60-200	145	150-255	12	615.0003	32	4	16	35	25

Hydraulic quick release universal 3 arm puller

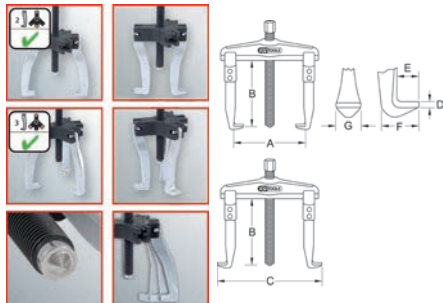
- Quick release function
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Different leg variants available
- Includes hydraulic thrust spindle
- Excellent power transfer
- Special tool steel



	A mm	B mm	C mm	max t	Hydraulic spindle	 D mm	E mm	F mm	G mm	 kg	
630.1901	50-100	145	75-145	12	615.0002	32	4	16	35	25	4,00
630.1902	50-200	145	135-255	12	615.0002	32	4	16	35	25	4,40

Universal 2 + 3 arm puller

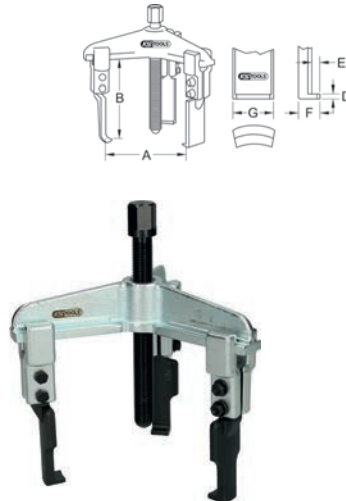
- Legs double ended usable
- Through reversing the arms internal and external applications are possible
- Reception star for 2 or 3 hooks
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t	 mm	D mm	E mm	F mm	G mm	 kg	
640.4203	60	65	90	2,0	G3/8"x1,06px110	13	3	10	18	11	0,47
640.4204	90	100	130	5,0	G9/16"x2,0px190	17	4	15,5	29	17	1,60
640.4205	165	170	170	7,0	G3/4"x2,0px285	22	4	15,5	29	17	3,20

Universal 3 arm puller set with extremely narrow legs

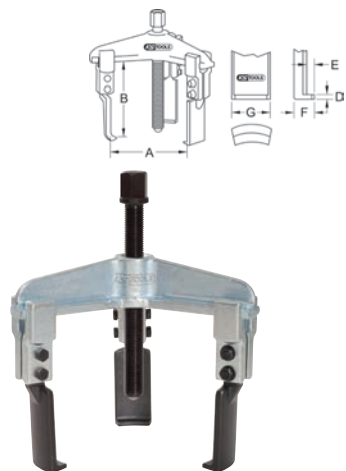
- Narrow execution
- extremely pointed hook foot
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t		D mm	E mm	F mm	G mm	
630.0003	20-90	100	120-260	3	M14x1,5 x 130	17	8	14	14	1,30
630.0004	25-130	100	70-180	3	M14x1,5 x 130	17	8	14	14	1,50
630.0005	50-160	150	200-420	5	G1/2"x14 x 210	22	7,5	15	27	3,50
630.0006	60-200	150	110-270	5	G1/2"x14 x 210	22	7,5	15	27	4,00

Universal 3 arm puller set with narrow legs

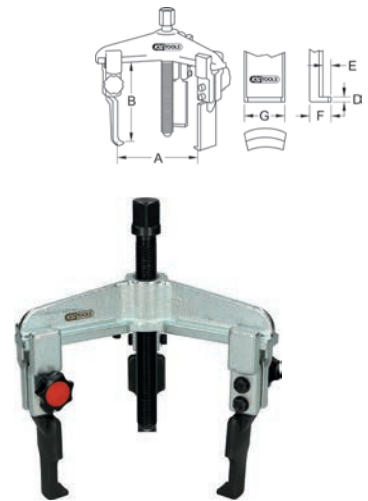
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2"
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t	 mm	D mm	E mm	F mm	G mm	 kg	
630.0001	20-90	100	120-260	4	M14x1,5 x 130	17	2	8	14	28	1,30
630.0002	25-130	100	160-340	4	M14x1,5 x 130	17	2	8	14	28	1,50
630.0901	20-90	100	35-115	5	M14x1,5 x 130	17	3,6	6	13	27	1,30
630.0902	25-130	100	40-145	5	M14x1,5 x 130	17	3,6	6	13	27	1,50
630.0903	50-160	150	65-175	6,5	G1/2"x14g x 210	22	5	8	17	40	3,50
630.0904	60-200	150	120-230	6,5	G1/2"x14g x 210	22	5	8	17	40	4,00

Quick adjustment universal 3 arm puller set with extremely narrow legs

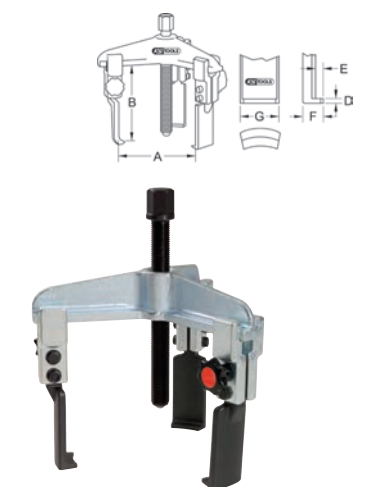
- Quick release function
- Narrow execution
- extremely pointed hook foot
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t	 mm	D mm	E mm	F mm	G mm	
630.0007	20-90	100	70-130	3	M14x1,5 x 130	17	3,6	14	14	1,30
630.0008	25-130	100	140-340	3	M14x1,5 x 130	17	3,6	14	14	1,50
630.0009	50-160	150	200-420	5	G1/2"x14 x 210	22	5	15	27	3,50
630.0011	60-200	150	120-260	5	G1/2"x14 x 210	22	5	15	27	4,00

Quick release 3 arm puller set with narrow legs

- Quick release
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Hydraulic spindles available for thread G1/2"
- Extremely robust spindle with inductively hardened thread
- Special tool steel

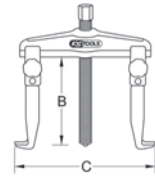


	A mm	B mm	C mm	max t	 mm	D mm	E mm	F mm	G mm	
630.1101	20-90	100	80-125	5	M14x1,5 x 130	17	3,6	6	13	27 1,30
630.1102	25-130	100	90-150	5	M14x1,5 x 130	17	3,6	6	13	27 1,50
630.1103	50-160	150	115-195	6,5	G1/2"x14 x 210	22	5	8	17	40 3,50
630.1104	60-200	150	115-215	6,5	G1/2"x14 x 210	22	5	8	17	40 4,00

UNIVERSAL 3 ARM PULLER SET

Universal puller set

- Legs double ended usable
- Reception star for 2 or 3 hooks
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



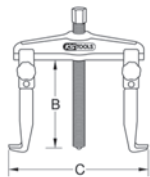
700.1100	11 pcs	Universal puller set		4,39

consists of:

700.1120	Mechanical 2 and 3 leg puller, 4"		0,96
700.1130	Mechanical 2 and 3 leg puller, 6"		1,83
700.1140	Bearing splitter, for max. Ø 50 mm		1,15

Quick adjustment universal puller set

- Quick release function
- Ideal for confined spaces
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



		A mm	B mm	mm	max t	
625.1701	7 pcs	20 - 90	100	M14 x 1,5	5,5	2,30

consists of:

620.1701	Quick release universal 2 arm puller, 20-90mm		1,00
630.1701	Quick release 3 arm puller, 20-90mm		1,30
980.1090	Special thread grease, tube		0,01

Quick adjustment universal puller set

- Quick release function
- Ideal for confined spaces
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case

		A mm	B mm	mm	max t	
625.1703	7 pcs	50 - 160	150	G1/2"x14Gg	5,5	6,50

consists of:

620.1703	Quick release universal 2 arm puller, 50-160mm		3,00
630.1703	Quick release 3 arm puller, 50-160mm		3,50
980.1090	Special thread grease, tube		0,01

Hydraulic universal 2 + 3 arm puller set

- Less risk of slippage due to automatically closing pulling arm
- 8 length positions possible
- Extremely robust spindle with inductively hardened thread
- Lower power usage
- Special tool steel
- In durable plastic storage case



700.1200	22 pcs	Hydraulic universal 2 + 3 arm puller set	16,40

consists of:

700.1202	Puller legs, 4"		410
700.1203	Puller legs, 6"		600
700.1204	Puller legs, 8"		840
700.1205	Yoke f.2 legs, quickly modified		300
700.1206	Yoke f.3 legs, quickly modified		760
700.1207	Thrust bolt extension, 20 mm		50
700.1208	Thrust bolt extension, 35 mm		130
700.1209	Thrust bolt extension, 85 mm		320
700.1210	Pulling ring f.hydraulic thrust bolt		322
700.1220	Separator/puller tool, for max. Ø 105 mm		2540
700.1221	Yoke f.bearing separator tool		1480
700.1222	Extension f.bearing separator tool, 185mm		1060
700.1223	Spigot f.bearing separator tool, 235mm		1110
700.1400-1	Hydraulic spindle 10 t, AG 1.1/2"x16G		1344

Universal 2 + 3 arm puller set

- Slim hooks
- Ideal for confined spaces
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Excellent power transfer
- Special tool steel
- In durable plastic storage case



700.1300	12 pcs	Universal 2 + 3 arm puller set	6,69

consists of:

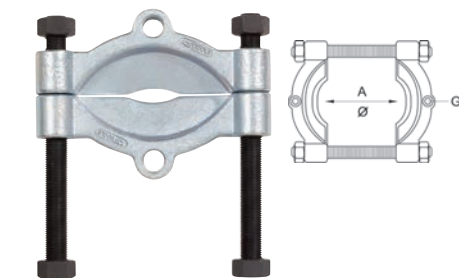
700.1311	Spindle, M14x1,5		180
700.1312	Two armed traverse		485
700.1313	Three armed traverse		675
700.1314	Draw-off arm, 100mm		250
700.1315	Draw-off arm, 210mm		530
700.1316	Draw-off arm, 260mm		640



SEPARATOR PULLER TOOL

Separator puller tool

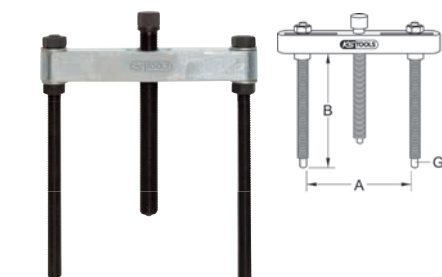
- To be used with separately available separator device
- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	G mm	mm	mm	kg
605.0501	5-60	M12	M10 x 120	17	0,40
605.0502	12-75	M12	M12 x 140	19	0,70
605.0503	22-115	M16	M16x1,5 x 180	24	1,90
605.0504	25-155	M20x1,5	M20x1,5 x 250	30	4,20
605.0505	30-220	M20x1,5	M24x1,5 x 410	36	12,00
605.0506	40-280	M24x1,5	M28x1,5 x 410	41	15,80

Yoke for bearing separator tool

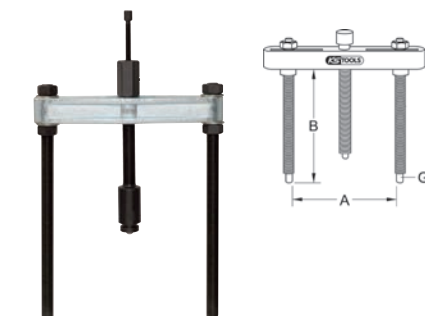
- For use with the separator
- The train bolts are screwed into the threads of the separator
- Extremely robust spindle with inductively hardened thread
- Hydraulic thrust spindle available
- Special tool steel



	A mm	B mm	G mm	max t	mm	mm	kg
605.0111	40-115	150	M12	2	M14x1,5 x 130	17	0,80
605.0112	45-140	150	M12	2,5	M14x1,5 x 130	17	1,10
605.0113	55-205	210	M16	4	G1/2"x14g x 210	22	2,70
605.0114	90-260	315	M20x1,5	5	G1/2"x14g x 210	22	5,20
605.0115	100-360	305	M20x1,5	7	G3/4"x14g x 280	27	8,80
605.0116	140-435	320	M24x1,5	13	G1"x11g x 370	36	16,70

Hydraulic thrust bolt with yoke for bearing separator tool

- For use with the separator
- The train bolts are screwed into the threads of the separator
- Includes hydraulic thrust spindle
- Excellent power transfer
- Special tool steel



	A mm	B mm	G mm	max t	mm	Hydraulic spindle	mm	kg
605.0301	55-205	135	M16	12	M16 x 280	615.0002	32	3,20
605.0302	90-260	240	M20x1,5	12	M20x1,5 x 370	615.0002	32	5,70
605.0303	100-360	230	M20x1,5	12	M20x1,5 x 370	615.0003	36	9,10
605.0304	140-435	230	M24x1,5	15	M24x1,5 x 460	615.0004	41	17,60

SEPARATOR PULLER TOOL SET

Separator set inclusive with yoke ø 5,0 - 60,0 mm

- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



			kg
605.0001	3 pcs	Separator set inclusive with yoke ø 5,0 - 60,0 mm	1,90

consists of:

		kg
605.0501	Bearing separator, 5-60mm	0,40
605.0111	Yoke for bearing separator tool, 40-115mm	0,80
605.0401	Extension for pull rod M12 x100mm	0,20

Separator set inclusive with yoke ø 12,0 - 75,0 mm

- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Special tool steel
- In durable plastic storage case



			kg
605.0002	3 pcs	Separator set inclusive with yoke ø 12,0 - 75,0 mm	2,40

consists of:

		kg
605.0502	Bearing separator, 12-75mm	0,70
605.0112	Yoke for bearing separator tool, 45-140mm	1,10
605.0401	Extension for pull rod M12 x100mm	0,20

Separator set inclusive with yoke ø 22,0 - 115,0 mm

- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Hydraulic thrust spindle available
- Special tool steel
- In durable plastic storage case



			kg
605.0003	3 pcs	Separator set inclusive with yoke ø 22,0 - 115,0 mm	6,10

consists of:

		kg
605.0503	Bearing separator, 22-115mm	1,90
605.0113	Yoke for bearing separator tool, 55-205mm	2,70
605.0401	Extension for pull rod M12 x100mm	0,20

Separator set inclusive with yoke ø 25,0 - 155,0 mm

- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Hydraulic thrust spindle available
- Special tool steel
- In durable plastic storage case



			kg
605.0004	3 pcs	Separator set inclusive with yoke ø 25,0 - 155,0 mm	11,48

consists of:

		kg
605.0504	Bearing separator, 25-155mm	4,20
605.0114	Yoke for bearing separator tool, 90-260mm	5,20
605.0401	Extension for pull rod M12 x100mm	0,20

Separator set inclusive with yoke ø 30,0 - 220,0 mm

- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Hydraulic thrust spindle available
- Special tool steel
- In durable steel storage case



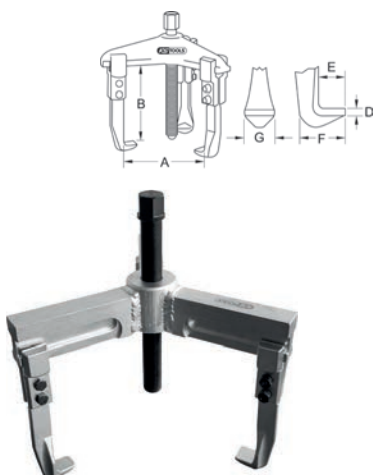
605.0005	3 pcs	Separator set inclusive with yoke ø 30,0 - 220,0 mm	29,00
----------	-------	---	-------

consists of:

605.0505	Bearing separator, 30-220mm	12,00
605.0115	Yoke for bearing separator tool, 100-360mm	8,80
605.0401	Extension for pull rod M12 x100mm	0,20

UNIVERSAL 3 ARM PULLER, HEAVY EXECUTION
Universal 3 arm puller

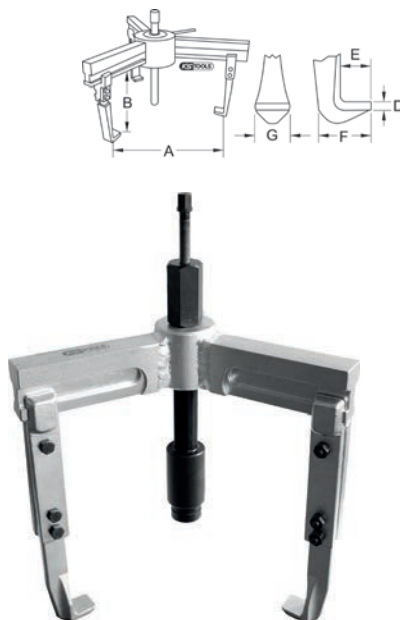
- extremely robust design
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max mm		 D mm	E mm	F mm	G mm	
630.0012	100-380	200	210-410	15	G1"x11 x 310	36	5	25	54	35 21,00
630.0013	120-520	200	215-450	15	G1"x11 x 310	36	5	25	54	35 25,00
630.0014	120-650	200	215-500	15	G1"x11	36	5	25	54	35 27,00

Universal 3 arm puller, heavy execution

- extremely robust design for extreme loads
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Different leg variants available
- Includes hydraulic thrust spindle
- Lower power usage
- Special tool steel



	A mm	B mm	C mm	max t		D mm	E mm	F mm	G mm	
630.0023	100-380	185	240-410	15	M14x1,5 x 100	17	5	25	54	35 22,00
630.0024	120-520	185	250-450	15	M14x1,5 x 100	17	5	25	54	35 26,30
630.0025	120-650	185	250-500	15	M14x1,5 x 100	17	5	25	54	35 28,00

Universal 3 arm puller

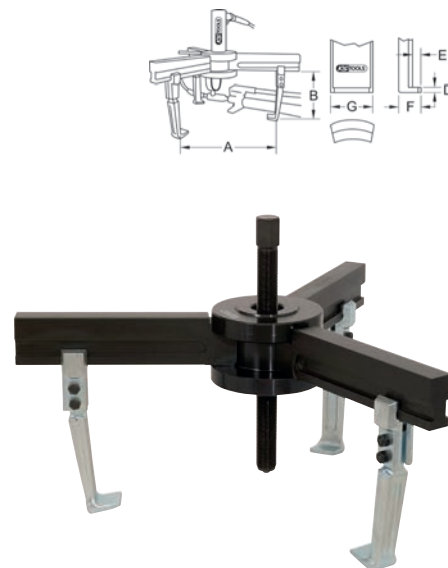
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Draw off arms radial revolving
- Wide range of arms and hydraulic spindles available
- Extremely robust spindle with inductively hardened thread
- Special tool steel



	A mm	B mm	C mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	 kg
630.2301	150-700	200	250-650	15	G1"x11g x 370	36	10	33	55	50	42,50

Universal 3 arm puller for using with hydraulic cylinder

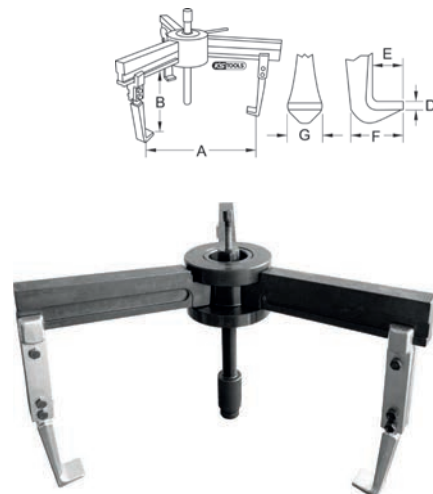
- Consists of traverse and legs
- Traverse arm radial revolving and interchangeable
- Uniform load distribution and centered tightening
- Without hydraulic compression spindle / without hydraulic cylinder
- Without hydraulic pump
- Special tool steel



	A mm	B mm	mm	max t	D mm	E mm	F mm	G mm	kg
640.2315	150-700	200	M68x2	15	10	33	55	50	38,00
640.2317	150-700	200	G1"x11g	17	10	33	55	50	40,00

Universal 3 arm puller, heavy execution

- extremely robust design for extreme loads
- Uniform load distribution and centered tightening
- Through reversing the arms internal and external applications are possible
- Different leg variants available
- Includes hydraulic thrust spindle
- Lower power usage
- Special tool steel

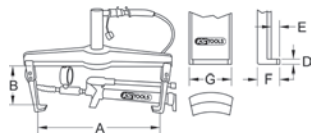


	A	B	C	max			D	E	F	G	
	mm	mm	mm	t	mm	mm	mm	mm	mm	mm	kg
630.0026	150-700	275	500-720	15	M14x1,5 x 100	17	10	33	55	50	47,60

HYDRAULIC PULLERS AND PUMP

Universal 2 arm puller for using with hydraulic cylinder

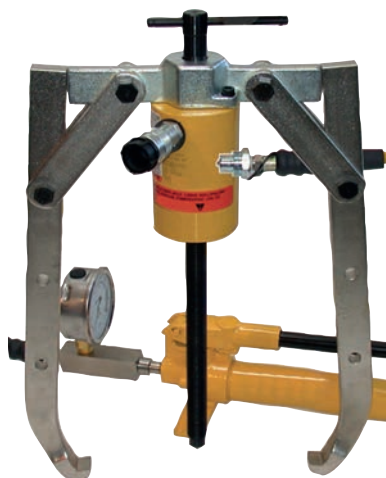
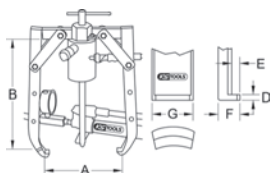
- Consists of traverse and legs
- Through reversing the arms internal and external applications are possible
- Without hydraulic compression spindle / without hydraulic cylinder
- Without hydraulic pump
- Special tool steel



	A mm	B mm	max t	D mm	E mm	F mm	G mm	kg
640.0210	640	225	10	10	33	55	50	20,00
640.0215	640	225	15	10	33	55	50	20,00
640.0217	640	225	17	10	33	55	50	21,50

Universal 2 arm puller for using with hydraulic cylinder

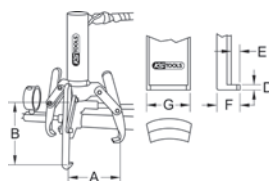
- Consists of traverse and legs
- Through reversing the arms internal and external applications are possible
- Without hydraulic compression spindle / without hydraulic cylinder
- Without hydraulic pump
- Special tool steel



	A mm	B mm	max t	D mm	E mm	F mm	G mm	kg
640.0220	420	290	20	17	16	32	32	11,50
640.0230	700	400	30	24	23	48	40	20,00
640.0250	1000	700	50	35	42	87	50	50,00

Universal 3 arm puller for using with hydraulic cylinder

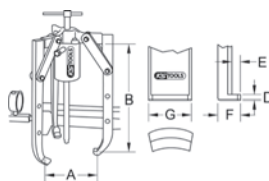
- Consists of traverse and legs
- Legs are adjustable in the working depth
- Uniform load distribution and centered tightening
- Without hydraulic compression spindle / without hydraulic cylinder
- Without hydraulic pump
- Special tool steel



	A mm	B mm	mm	max t	D mm	E mm	F mm	G mm	kg
640.0310	350	250	UNC2.1/4" x 14	10	5	25	48	30	9,50
640.0315	350	250	M68 x 2	15	5	25	48	30	7,50
640.0317	350	250	G 1"x11g	17	5	25	48	30	8,50

Universal 3 arm puller for using with hydraulic cylinder

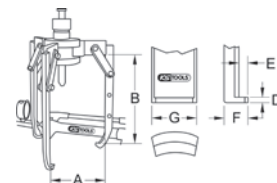
- Consists of traverse and legs
- Legs are adjustable in the working depth
- Uniform load distribution and centered tightening
- Without hydraulic compression spindle / without hydraulic cylinder
- Without hydraulic pump
- Special tool steel



	A mm	B mm	max t	D mm	E mm	F mm	G mm	kg
640.0320	420	290	20	17	16	32	32	17,00
640.0330	700	400	30	24	23	48	40	30,00
640.0350	1000	700	50	35	42	87	50	70,00

Hydraulic universal 3 arm puller

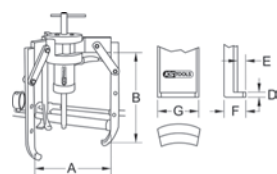
- Consists of traverse and legs
- Legs are adjustable in the working depth
- Traverse arm radial revolving and interchangeable
- Uniform load distribution and centered tightening
- Without hydraulic compression spindle / without hydraulic cylinder
- Without hydraulic pump
- Special tool steel



	A mm	B mm	mm	max t	D mm	E mm	F mm	G mm	kg
640.2415	500	440	M68x2	15	17	16	32	32	22,00
640.2417	500	440	G1"x11g	17	17	16	32	32	24,00

Universal 3 arm puller for using with hydraulic cylinder

- Consists of traverse and legs
- Traverse arm radial revolving and interchangeable
- Legs are adjustable in the working depth
- Uniform load distribution and centered tightening
- Without hydraulic compression spindle / without hydraulic cylinder
- Without hydraulic pump
- Special tool steel

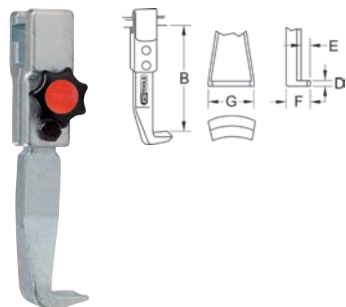


	A mm	B mm	max t	D mm	E mm	F mm	G mm	kg
640.2420	500	270	20	17	16	32	32	27,00
640.2430	750	310	30	24	23	48	40	26,00
640.2450	1000	660	50	35	42	87	50	106,00

ACCESSORIES

Quick adjustment puller legs

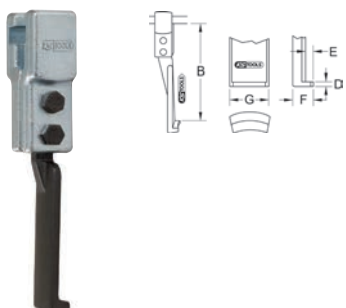
- Quick release function
- For 2 arm and 3 arm pullers
- Special tool steel



	B mm	D mm	E mm	F mm	G mm	
615.1101	100	3	13	25	20	200
615.1102	150	4	16	35	25	700
615.1103	200	3	13	25	20	500

Puller legs, extremely narrow design

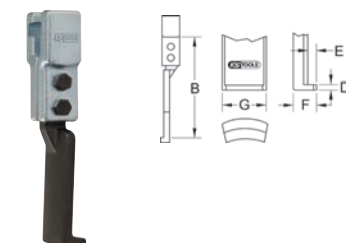
- Ideal for confined spaces
- For 2 arm and 3 arm pullers
- Special tool steel



	B mm	D mm	E mm	F mm	G mm	
615.1011	100	3,6	8,0	14	14	250
615.1012	120	3,6	8,0	14	14	300
615.1013	200	3,6	8,0	14	14	500
615.1014	250	3,6	8,0	14	14	600
615.1015	150	5,0	7,5	15	27	600
615.1016	220	5,0	7,5	15	27	650
615.1017	300	5,0	7,5	15	27	1100

Puller legs, narrow design

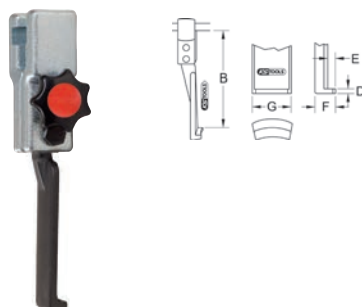
- Ideal for confined spaces
- For 2 arm and 3 arm pullers
- Special tool steel



	B mm	D mm	E mm	F mm	G mm	
615.0901	100	3,6	6	13	27	200
615.1031	120	3,6	8	14	28	280
615.0902	200	3,6	6	13	27	500
615.0903	250	3,6	6	13	27	600
615.0904	100	2	6	13	27	200
615.0905	200	2	6	13	27	500
615.0906	250	2	6	13	27	1100
615.0907	150	5	8	17	40	600
615.0908	220	5	8	17	40	800
615.0909	300	5	8	17	40	1800

Quick adjustment puller legs, extremely narrow design

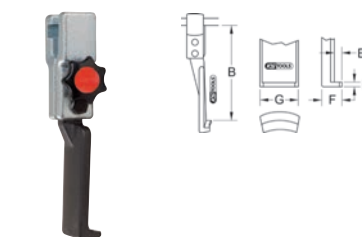
- Quick release function
- Ideal for confined spaces
- For 2 arm and 3 arm pullers
- Special tool steel



	B mm	D mm	E mm	F mm	G mm	
615.1021	100	3,6	8	14	14	250
615.1022	120	3,6	8	14	14	300
615.1023	200	3,6	8	14	14	500
615.1024	250	3,6	8	14	14	600
615.1025	150	5,0	7,5	15	27	600
615.1026	220	5,0	7,5	15	27	650
615.1027	300	5,0	7,5	15	27	1100

Quick adjustment puller legs, narrow design

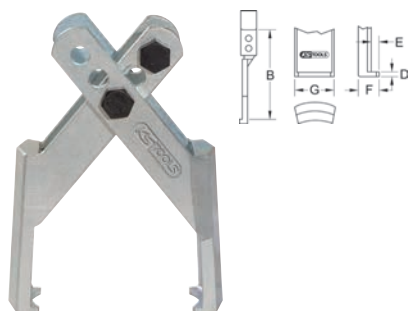
- Quick release function
- Ideal for confined spaces
- For 2 arm and 3 arm pullers
- Special tool steel



	B mm	D mm	E mm	F mm	G mm	
615.1001	100	3,6	6	13	27	250
615.1041	120	3,6	8	14	28	300
615.1002	200	3,6	6	13	27	500
615.1003	250	3,6	6	13	27	600
615.1004	100	2,0	6	13	27	250
615.1005	200	2,0	6	13	27	500
615.1006	250	2,0	6	13	27	600
615.1007	150	5,0	8	17	40	650
615.1008	220	5,0	8	17	40	900
615.1009	300	5,0	8	17	40	1100

Pair of puller legs

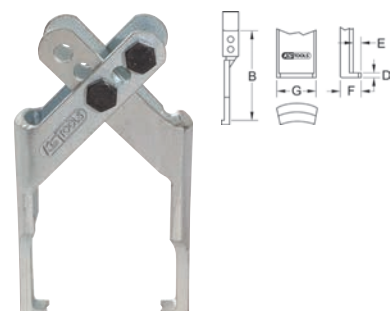
- Legs are adjustable in the working depth
- for 2-arm pullers
- Special tool steel



	B mm	D mm	E mm	F mm	G mm	
615.5201	620.5201	70-85	2,5	4,5	8,5	23 180
615.5202	620.5202	85-120	3,5	5	10	31 450
615.5203	620.5203	125-155	3,5	5	10	31 550

Pair of puller legs, narrow design

- Legs are adjustable in the working depth
- for 2-arm pullers
- Ideal for confined spaces
- Special tool steel



For pullers		B mm	D mm	E mm	F mm	G mm	
615.5301	620.5301	70-85	2,5	4,5	8,5	11	150
615.5302	620.5302	85-120	3,5	5	11	12	500

Puller legs with clamping yoke

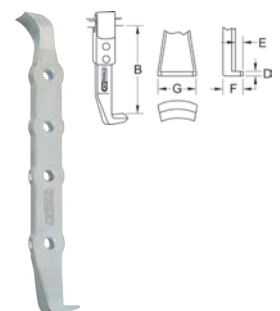
- For puller legs with quick adjustment
- Clamping yoke compresses the legs firmly
- Prevents slipping
- Special tool steel



	For pullers	B mm	D mm	E mm	F mm	G mm	
615.5401	620.5401	90	3	12	26	24	260
615.5402	620.5402	110	3	14	25	24	320
615.5403	620.5403	150	3	14	25	24	420

Puller legs with clamping yoke

- For 2 arm pullers with quick adjustment
- Legs are adjustable in the working depth
- Legs double ended usable
- Clamping yoke compresses the legs firmly
- Extremely robust spindle with inductively hardened thread
- Special tool steel



For pullers		B mm	D mm	E mm	F mm	G mm	
615.5501	620.5501	170	3	12	25	24	530
615.5502	620.5502	270	3	14	25	24	800
615.5503	620.5503	330	3	14	25	24	850

Puller legs double ended usable

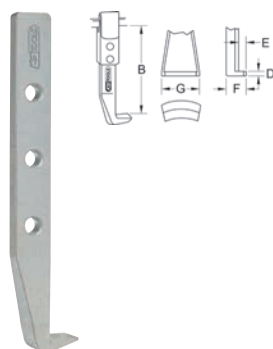
- Legs double ended usable
- For 2 arm and 3 arm pullers
- Special tool steel



For pullers		B mm	D mm	E mm	F mm	G mm	kg
615.3001	620.3001+630.3001	85	2	9	21	12	100
615.3002	620.3002+630.3002	130	4	11	25	21	320

Puller legs

- Legs are adjustable in the working depth
- For 2 arm and 3 arm pullers
- Special tool steel

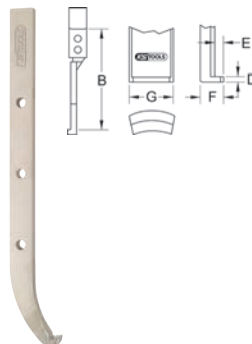


For pullers		B mm	D mm	E mm	F mm	G mm	kg
615.3601	620.3601+630.3601	85	3	14	25	18	100
615.3602	620.3602+630.3602	150	4	20	36	25	260
615.3603	620.3603+630.3603	220	5	25	48	30	650
615.3604	620.3604+630.3604	250	5	25	48	30	1200
615.3605	620.3605+630.3605	350	5	25	48	30	1600
615.3606	620.3606+630.3606	400	5	25	48	30	1800
615.3607	620.3607+630.3607	450	5	25	48	30	2000
615.3608	620.3608+630.3608	500	5	25	48	30	2200
615.3609	620.3609+630.3609	650	5	25	48	30	2800
615.3610	620.3610+630.3610	1000	5	25	48	30	4200



Puller legs

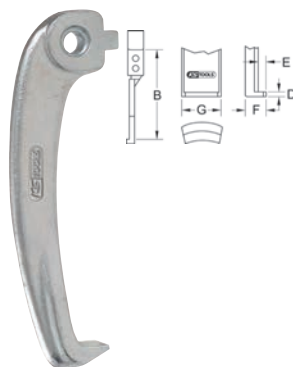
- For 2 arm and 3 arm hydraulic pullers
- Special tool steel



For pullers		B mm	D mm	E mm	F mm	G mm	kg
645.0251	640.0210-17+640.2315-17	225	10	33	55	50	2,10
645.0252	640.0210-17+640.2315-17	300	10	33	55	50	3,00
645.0253	640.0210-17+640.2315-17	400	10	33	55	50	3,70
645.0254	640.0210-17+640.2315-17	500	10	33	55	50	4,40
645.0261	640.0220	290	17	16	32	32	3,30
645.0262	640.0230	400	24	23	48	40	6,50
645.0263	640.0250	700	35	42	87	50	17,00
645.0351	640.0310-17	250	5	25	48	30	1,80
645.0352	640.0310-17	350	5	25	48	30	1,90
645.0353	640.0310-17	400	5	25	48	30	2,00
645.0354	640.0310-17	500	5	25	48	30	2,20
645.0361	640.0320	290	17	16	32	32	3,30
645.0362	640.0330	400	24	23	48	40	6,50
645.0363	640.0350	700	35	42	87	50	17,00
645.2461	640.2415-17	440	17	16	32	32	3,30
645.2462	640.2420	270	17	16	32	32	3,30
645.2463	640.2430	310	24	23	48	40	6,50
645.2464	640.2450	660	35	42	87	50	17,00

Puller legs, forged ground steel

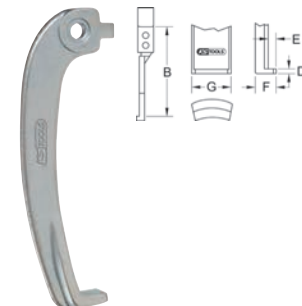
- For 2 arm and 3 arm basic universal puller
- Special tool steel



For pullers		B mm	D mm	E mm	F mm	G mm	kg
615.4101	620.4101+630.4101	45	2	9	18	10	40
615.4102	620.4102+630.4102	65	2	9	18	10	50
615.4103	620.4103+630.4103	80	2,3	12	25	13	100

Puller legs, forged ground steel

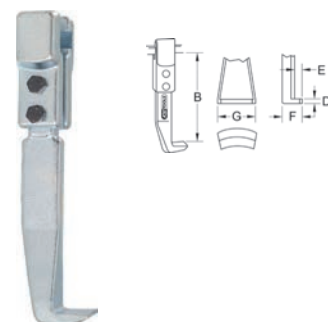
- For 2 arm and 3 arm basic universal puller
- Special tool steel



For pullers		B mm	D mm	E mm	F mm	G mm	kg
615.4301	620.4301+630.4301	80	4	12	26	13	130
615.4302	620.4302+630.4302	120	5	14	30	16	210
615.4303	620.4303+630.4303	160	6	18	35	20	350
615.4304	620.4304+630.4304	200	7	22	40	24	600

Puller legs

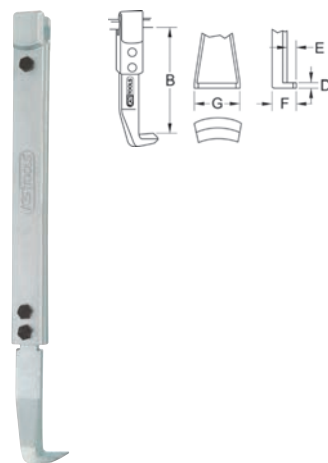
- For 2 arm and 3 arm pullers
- Special tool steel



	B mm	max t	D mm	E mm	F mm	G mm	kg
615.0101	100	4,5	3	13	25	20	250
615.0102	150	6,5	4	16	35	25	650
615.0103	200	11,0	5	25	54	35	1650
615.0104	225	11,0	10	33	50	55	2150

Puller legs, extra long design

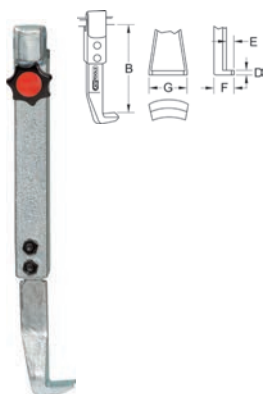
- For 2 arm and 3 arm pullers
- Special tool steel



	B mm	D mm	E mm	F mm	G mm	kg
615.0501	200	3	13	25	20	0,50
615.0502	300	4	16	35	25	1,10
615.0503	300	5	25	54	35	2,50
615.0504	400	5	25	54	35	3,20
615.0505	500	5	25	54	35	3,90
615.0506	300	10	33	55	50	3,00
615.0507	400	10	33	55	50	3,70
615.0508	500	10	33	55	50	4,40

Quick adjustment puller legs, long design

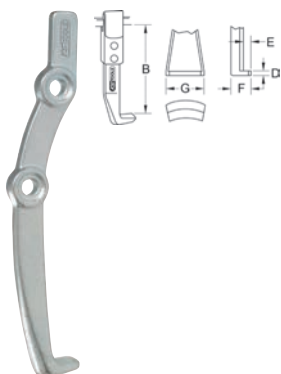
- Quick release function
- For 2 arm and 3 arm pullers
- Special tool steel



	B mm	D mm	E mm	F mm	G mm	kg
615.1051	225	5,0	25,0	54	35	0,52
615.1052	325	5,0	25,0	54	35	1,25
615.1053	425	5,0	25,0	54	35	3,25

Puller legs

- Legs are adjustable in the working depth
- For 2 arm and 3 arm pullers
- Special tool steel



For pullers	B mm	D mm	E mm	F mm	G mm	kg
615.3401 620.3401+630.3401	130	2	11	23	16	150
615.3402 620.3402+630.3402	200	4,5	16	33	20	400

Special thread grease for puller and pusher spindles and nuts subjected high loads

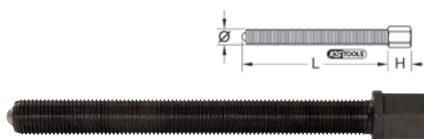
- Lubricant for components subjected to high static loads, e.g. threaded spindles
- Prevents excessive wear and seizing
- Irregularities in the surface to be protected are completely filled
- Minimises the friction thanks to the closed surface
- Effective protection against corrosion
- Increases the service life of threaded spindles
- Ensures reliable function even at high temperatures up to max. 1200°C



		kg
980.1085	Special thread grease, gun	22
980.1090	Special thread grease, tube	5

Spindle

- Extremely robust spindle with inductively hardened thread
- Special tool steel



	mm	L mm	H mm	Ø mm	mm	kg
610.1401	12	150	15	10	M10	100
610.1402	14	190	20	12	M12	200
610.1701	17	60	21	14	M14 x 1,5	100
610.1702	17	130	21	14	M14 x 1,5	200
610.1703	17	200	21	14	M14 x 1,5	300
610.1704	17	250	21	14	M14 x 1,5	550
610.1705	17	60	20	16	M16 x 1,5	100
610.1706	17	70	20	16	M16 x 1,5	100
610.1707	17	90	20	16	M16 x 1,5	200
610.1901	19	70	20	18	M18 x 1,5	200
610.1902	19	130	20	18	M18 x 1,5	300
610.1903	19	170	20	18	M18 x 1,5	400
610.1904	19	240	20	18	M18 x 1,5	500
610.2201	22	110	23	21	G1/2"x14g	300
610.2202	22	160	23	21	G1/2"x14g	400
610.2203	22	175	23	21	G1/2"x14g	500
610.2204	22	210	23	21	G1/2"x14g	600
610.2205	22	235	23	21	G1/2"x14g	700
610.2206	22	270	23	21	G1/2"x14g	800
610.2701	27	180	35	26	G3/4"x14g	1000
610.2702	27	280	35	26	G3/4"x14g	1300
610.2703	27	360	35	26	G3/4"x14g	1700
610.3601	36	310	45	33	G1"x11g	2300
610.3602	36	360	45	33	G1"x11g	2650
610.3603	36	455	45	33	G1"x11g	3100
700.5612	21	113	27	16	M16 x 130	188

Hydraulic compression spindle

- Maximum pressure with little effort
- Special tool steel



	L mm	H mm	max t	Ø Body mm	Body mm	Pressure spindle mm	mm	kg
615.0001	260	23	12	41	UN 1 1/2"x16	M11x85	17	1,60
615.0002	410	55	12	32	G1/2"x14	M10x90	13	1,10
615.0003	410	55	12	36	G3/4"x14	M10x90	13	1,60
615.0004	460	80	15	41	G1"x11	M11x 1,5x100	17	3,50

Spare traverse

- For hydraulic 2 arm puller
- Special tool steel



	max t	For pullers	kg
645.0210	10	640.0210	16,00
645.0215	15	640.0215	15,00
645.0217	17	640.0217	16,00
645.0220	20	640.0220	5,00
645.0230	30	640.0230	8,00
645.0250	50	640.0250	16,00

Spare traverse

- For hydraulic 3 arm puller
- Special tool steel



	max t	For pullers	kg
645.0310	10	640.0310	4,00
645.0315	15	640.0315	3,50
645.0317	17	640.0317	4,50
645.0320	20	640.0320	7,00
645.0330	30	640.0330	11,50
645.0350	50	640.0350	20,00
645.2315	15	640.2315	10,00
645.2317	17	640.2317	12,50
645.2415	15	640.2415	10,00
645.2417	17	640.2417	12,50
645.2420	20	640.2420	15,00
645.2430	30	640.2430	27,00
645.2450	50	640.2450	27,00

Traverse arm for hydraulic gear puller

- For hydraulic 3 arm puller
- Special tool steel



	For pullers	kg
645.2316	640.2315-17	7,00
645.2416	640.2415-17	4,00
645.2421	640.2420	4,00
645.2431	640.2430	5,00
645.2451	640.2450	10,00

Universal clamping yoke

- For universal 2 arm puller
- Clamping yoke compresses the legs firmly
- Prevents slipping
- Special tool steel

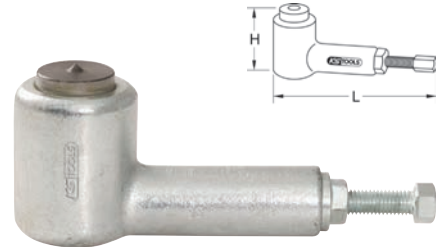


	A mm	kg
615.5101	10-130	800

CYLINDER

Hydraulic press

- For mechanical pullers
- Power increase with the normal pressure spindle
- Maximum pressure with little effort
- Special tool steel



	L mm	H mm	max t	Hydraulic fit mm	Key mm	Weight kg
640.0160	150,0	75,0	8	8	M14x1,5 x 60	0,80
640.0165	180,0	90,0	15	12	M14x1,5 x 85	1,80

Spindle hydraulic cylinder

- Simply working with spring withdrawal
- Necessary minimal oil volume 120 cm³ = 0,12 l
- Maximum pressure with little effort
- Special tool steel



		L1 mm	L2 mm	Stroke mm	G	max t	 kg
640.0130	3/8" - 18 NPT	403	150,0	156,0	G1"x11a	17	4,50

Flat hydraulic cylinder

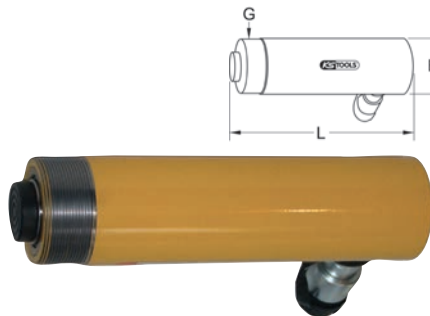
- Simply working with spring withdrawal
- Maximum pressure with little effort
- Special tool steel
- Locating bore 10t = dimension 36,6mm x Ø 7,1
- Locating bore 20t = dimension 49,3mm x Ø 10,0



		L mm	H mm	Stroke mm	Minimal oil volume cm³	max t	 kg	
640.0140	3/8" - 18 NPT	140	42	12,0	18/0,018	10	1,60	
640.0150	3/8" - 18 NPT	170	51	11,0	32/0,032	20	2,80	

Single screw hydraulic cylinder

- Simply working with spring withdrawal
- Interchangeable pressure piece
- Maximum pressure with little effort
- Special tool steel

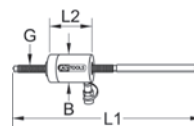


		L mm	B mm	Stroke mm	G	max t		
640.0110	3/8" - 18 NPT	403	247	156,0	UNC2.1/4x14	10	4,00	
640.0120	3/8" - 18 NPT	423	271	152,0	M68x2	15	7,00	

Hollow piston hydraulic cylinder with spindle

- Simply working with spring withdrawal
- Nickel plated centre tube
- Maximum pressure with little effort
- Special tool steel

Mounting thread at cylinder: 1.) 2 threaded hole with cylinder base (tube side) 2.) external thread: 20t=3-7/8"x12G30t=4-1/2"x12G50t=6-1/4"x12G



		L1 mm	L2 mm	B mm	Stroke mm	G	max t	
640.0170	3/8" - 18 NPT	670	162,0	98	49,0	UNC1"-8	20	10,60
640.0180	3/8" - 18 NPT	790	178,0	114	64,0	UNC1.1/4"-7	30	15,20
640.0190	3/8" - 18 NPT	975	247,0	159	76,0	UNC1.5/8"-5.1/2"	50	40,50

HYDRAULIC HAND PUMP

Hydraulic hand pump

- Single stage
- Reverse valve for advance and return stroke
- Safety valve for overload protection
- Includes pressure tube 1.8 meters
- Usable tank volume 2081cm³ = 2.081l



		L mm	B mm	H mm	Flow rate per hub cm³	 kg
640.0010	3/8" - 18 NPT	585	133	119	2.62	9.00

Pneumatic hydraulic pump

- Pneumatic working
- For simply agent press cylinders
- Safety valve for overload protection
- Includes pressure tube 1.8 meters
- Usable tank volume 2081cm³ = 2.081l
- Operating pressure max. 700 bar
- Output per stroke:
0.8 l/min up to 200 bar
0.1 l/min up to 700 bar



		L mm	B mm	H mm	 kg
640.0020	3/8" - 18 NPT	255	130	200	11,00

Electric hydraulic pump

- Two stepped for simply agent press cylinders
- Safety valve for overload protection
- Usable tank volume 1900 cm³ = 1.9l
- Includes pressure tube 1.8 meters
- Motor specification 0.37kW - 220/230 V - 50/60 hertz, single phase (3.2 amps)
- 1. Step: max. 13 bar
- 2. Step: max. 700 bar
- Output per stroke:
1. Step: 3.31 l/min
2. Step: 0.32 l/min



		L mm	B mm	H mm	 kg
640.0030	3/8" - 18 NPT	244	244	362	14,00

SAFETY COVERING FOIL

Safety covering foil

- Two ply welded
- High tearing resistance
- Variable adjustment
- UV resistant
- Temperature range of -25°C to +50°C

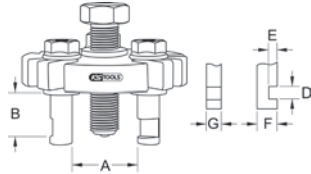


	B mm	L mm	max t	Weight kg
610.0100	510,0	915,0	18	3,90

UNIVERSAL BELT PULLER

Universal belt pulley puller 3 arm

- For the damage free drawing off of pulley belts
- Universal suitable for several diameters and different hole divisions
- Less space requirement through compact method of building
- Suited for work on engines in the vehicle or removed
- Special tool steel



	A mm	B mm	max t	mm	D mm	E mm	F mm	G mm	mm
150.3130	90	30	2,5	M16x1,5 x 75	24	10	6	11	900

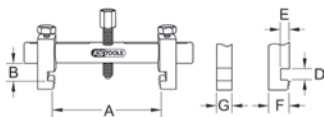
accessories:

		mm
150.3133	Spare traverse for 150.3130	300



Universal belt pulley puller 2 arm

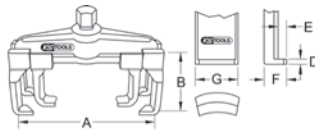
- For grooved belt pulleys
- Draw off arms with locking device
- Clamping yoke compresses the legs firmly
- Prevents slipping
- Less space requirement through compact method of building
- Suited for work on engines in the vehicle or removed
- Special tool steel



	A mm	B mm	max t	mm	D mm	E mm	F mm	G mm	mm
150.3170	40-165	30	2,5	M12 x 75	17	10	9	18	1600

Universal camshaft solid wheel puller 2 arm

- Four special hooks for 5 and 6 armed spoked wheels
- Suitable for many VAG models
- Extremely robust spindle with inductively hardened thread
- Special tool steel

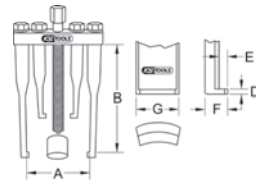


	A mm	B mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	
670.0211	130	44	2,5	M14x1,5 x 55	17	4	9	20	15	900

STEERING WHEEL PULLER

Universal steering wheel puller 2 arm for passenger cars

- Suitable for quick, clean and damage-free removal of the steering wheel
- Short and long hooks as well as pressure piece for spindle
- Suitable for universal use due to longitudinal grooves in the puller bridge
- Extremely robust spindle with inductively hardened thread
- Special tool steel



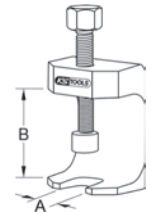
	A mm	B mm	max t	 mm	 mm	D mm	E mm	F mm	G mm	
670.0201	90	135	2,5	M14x1,5 x 130	17	5	3,5	11	7,5	900



WINDSCREEN WIPER ARM PULLER

Universal windscreen wiper arm puller with fork

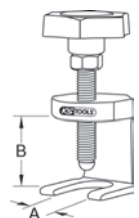
- With pulling yoke
- Ideally suited to the protective removal of windscreen wiper arms
- Pulling spindle with brass cap for damage-free support on the washer arm shaft
- Extremely robust spindle with inductively hardened thread
- Spindle guidance is carried out in a moving sleeve
- Prevents damage to the bodywork and the windscreen wiper arm
- With narrow socket for tight spaces
- Special tool steel



	A mm	B mm	mm	mm
700.1198	23,5	48	8	240

Universal windscreen wiper arm puller with pulling yoke

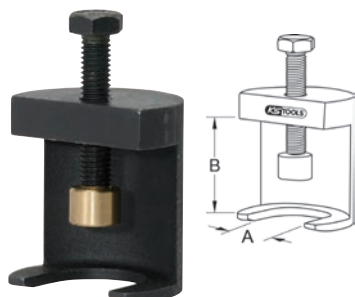
- With pulling yoke
- Ideally suited to the protective removal of windscreen wiper arms
- Pulling spindle for damage-free support to the rear wiper blades
- Extremely robust spindle with inductively hardened thread
- Prevents damage to the bodywork and the windscreen wiper arm
- With adjustment dial for manual operation
- With narrow socket for tight spaces
- Special tool steel



	A mm	B mm	 mm	 mm	 mm
700.1193	16	28	M8 x 45	11	140

Universal windscreen wiper arm puller with pulling yoke

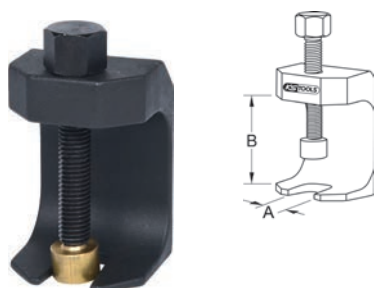
- Heavy execution
- With pulling yoke
- Ideally suited to the protective removal of windscreen wiper arms
- Spindle end with brass cap to prevent damage to the windscreen wiper arm
- Extremely robust spindle with inductively hardened thread
- Spindle guidance is carried out in a moving sleeve
- Prevents damage to the bodywork and the windscreen wiper arm
- With narrow socket for tight spaces
- Special tool steel



	A mm	B mm	mm	mm	kg
700.1191	26	48	M8 x 75	13	450

Universal windscreen wiper arm puller with pulling yoke

- Heavy execution
- With pulling yoke
- Ideally suited to the protective removal of windscreen wiper arms
- Spindle end with brass cap to prevent damage to the windscreen wiper arm
- Extremely robust spindle with inductively hardened thread
- Spindle guidance is carried out in a moving sleeve
- Prevents damage to the bodywork and the windscreen wiper arm
- With narrow socket for tight spaces
- Special tool steel



	A mm	B mm	mm	mm	kg
700.1192	16	41	M10 x 80	17	510

Universal windscreen wiper arm puller 2 arm

- 2-jaw
- Ideally suited to the protective removal of windscreen wiper arms
- Hollow puller spindle for damage-free support on the wiper arm shaft with washer nozzle
- Extremely robust spindle with inductively hardened thread
- Prevents damage to the bodywork and the windscreen wiper arm
- Internal square drive adaptor to DIN 3120 / ISO 1174
- Special tool steel

Application range: especially for VAG rear windscreen wiper with integrated washer nozzle



	A mm	B mm	mm	mm	D mm	E mm	F mm	G mm	H mm	kg
700.1185	10-60	34	M12x1,25 x 34	17	3	5	14	15	1,00	

Universal windscreen wiper arm puller set

- Ideally suited to disassembly of windscreen wiper arms
- Includes impact hammer puller
- Universally fitting puller set suitable for approx. 450 windscreen wipers, 300 vehicles and 30 car brands
- Self-stiffening or recessed built-in washer arms are quickly disassembled with this set
- Washers with washer nozzle in the centre of the wiper arm can be worked on either with the impact hammer or with the hollow spindle attachment
- Alternatively can be used mechanically or with an impact spindle
- Prevents damage to the bodywork and the windscreen wiper arm
- Special tool steel
- In durable plastic storage case



			kg
700.1240	13 pcs	Universal windscreen wiper arm puller set	3,81

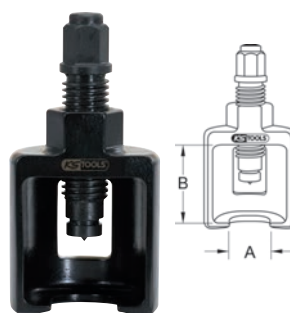
consists of:

		kg
700.1231	Slide hammer with fork spanner	1130
700.1232	Spindle, 95mm, M12	170
700.1233	Fork #1, opening 22mm, H=50mm	110
700.1234	Fork #2, opening 25mm, H=50mm	140
700.1235	Fork #3, opening 16mm, H=60mm	150
700.1236	Fork #4, opening 25mm, H=41mm	110
700.1237	Fork #5, opening 30mm, H=50mm	150
700.1238	Fork #6, opening 20mm, H=50mm	100
700.1239	Fork #7, opening 17mm, H=55mm	100
700.1241	Fork #8, opening 16mm, H=80mm	170
700.1242	Universal 2 arm wiper arm puller set, 6 pcs	690
700.1243	Spindel extension for 700.1232 and 700.1242	20
700.1244	Hollow spindle adaptor for 700.1232 and 700.1242	20

BALL JOINT PULLERS

Vibro-Impact Universal Ball Joint Puller Bell 30 x 58 mm

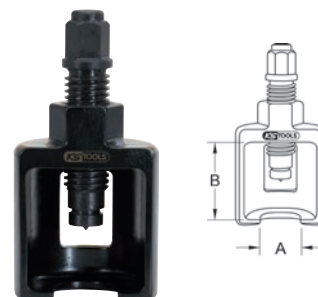
- Pressure pieces in the spindle rotating mouted
- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Less space required
- Cast forged execution
- With inspection panel
- Special tool steel



	A mm	B mm	mm	mm	kg
450.0060	30	58	22	18	1,10

Vibro-Impact Universal Ball Joint Puller Bell 32 x 90 mm

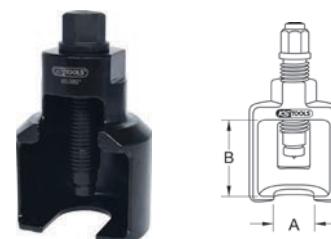
- Pressure pieces in the spindle rotating mouted
- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Less space required
- Cast forged execution
- With inspection panel
- Special tool steel



	A mm	B mm	mm	mm	kg
450.0061	32	90	24	25	2,51

Vibro-Impact Universal Ball Joint Puller Bell 39 x 58 mm

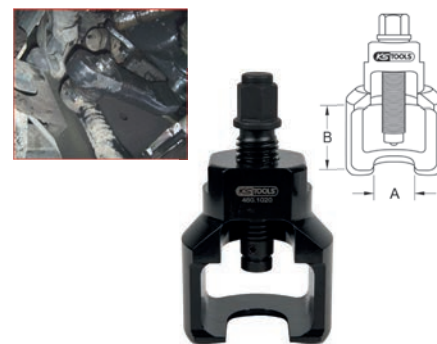
- Pressure pieces in the spindle rotating mouted
- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Less space required
- Cast forged execution
- Without inspection panel
- Special tool steel



	A mm	B mm	mm	mm	kg
450.0062	39	58	24	25	2,83

Vibro-Impact Universal Ball Joint Puller Bell 32 x 40 mm

- Pressure pieces in the spindle rotating mouted
- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Less space required
- Cast forged execution
- With inspection panel
- Special tool steel



	A mm	B mm	mm	mm	kg
460.1020	32,0	40,0	22,0	19,0	1,50

Vibro-Impact Universal Ball Joint Puller Bell 39 x 60 mm

- Pressure pieces in the spindle rotating mounted
- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Less space required
- Cast forged execution
- With inspection panel
- Special tool steel



	A mm	B mm	mm	mm	kg
450.0066	39	60	26	39	3,80

Vibro-Impact Universal Ball Joint Puller Bell 39 x 59 mm

- Ball mounted rotatably in the spindle
- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Less space required
- Cast forged execution
- With inspection panel
- Special tool steel

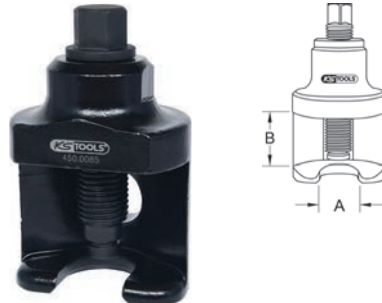
Application range: Universally applicable for commercial vehicles 3.5-8.8t



	A mm	B mm	mm	mm	kg
460.0475	32,0	90,0	24,0	26,0	2,70

Vibro-Impact Universal Ball Joint Puller Bell 35 x 60 mm

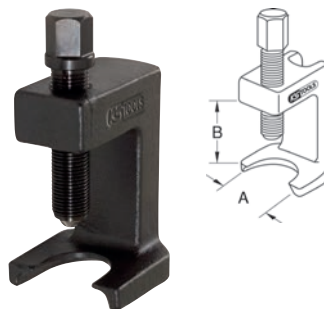
- Ball mounted rotatably in the spindle
- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Less space required
- Cast forged execution
- With inspection panel
- Special tool steel



	A mm	B mm	mm	mm	kg
450.0085	35	60	M27 x 130	24	2,52

Universal ball joint ejector

- For many automobiles and commercial vehicles
- Special tool steel



	A mm	B mm	max t	mm	mm	kg
670.0061	23	55	4	17	M16x1,5x60	800
670.0062	28	55	4	17	M16x1,5x60	800
670.0063	34	63	4	19	M18x1,5x70	900

Universal ball joint extractor

- Tools for pushing out support and guide joints as well as
- Tie rod joint pin consisting of steering lever, axle beam/arm and stabilizers
- Universally applicable in the range of passenger cars to vans
- Compact and stable design
- Extremely robust spindle with inductively hardened thread and pressure ball
- In durable plastic storage case



			kg
670.0060	3 pcs	23 - 28 - 34 mm	2,90

Universal ball joint separator

- For many automobiles and commercial vehicles
- Special tool steel



	A mm	B mm	C mm	max N·m	mm	mm	kg
670.0101	18	40	40	50	M14x1,5x60	17	0,30
670.0102	25	50	50	120	M16x1,5x60	17	0,70
670.0103	29	60	60	160	M18x1,5x75	19	1,00
670.0104	40	80	80	280	G1/2"x14gx110	22	2,10
670.0105	45	100	90	400	G3/4"x14gx125	27	2,80

Universal ball joint separator

- For a professional disassembly of the ball joints on the upper wishbone
- Optimal positioning through compact design
- Special tool steel

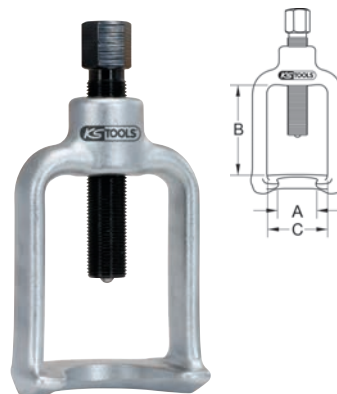
Application range: Volkswagen T4 bus / Multivan / California / pickup etc.



	A mm	B mm	C mm	max N·m	mm	mm	kg
670.0106	56	80	100	280	G1/2"x14gx110	22	2,10

Universal ball joint extractor

- Robust model for loosening the track heads and push pole heads
- Optimal positioning through compact design and slim fork piece
- Special tool steel



	A mm	B mm	C mm	mm	mm	kg
450.0075	45	75	63	24	M22 x 135	1,63
450.0076	55	100	76	24	M22 x 135	1,84

Universal ball joint separator 2 stage adjustable

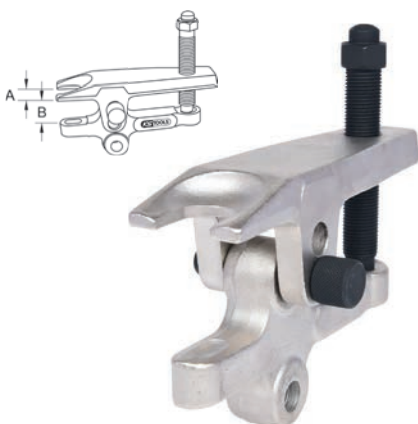
- Separator 2 stage adjustable
- Ideal for confined spaces
- Spindle hexagonal with additional drive point
- Forged
- Special tool steel



	A mm	B mm	mm	mm	kg
700.5610	24	0-55	M16 x 90	20	1,05

Universal ball joint separator 4 stage adjustable

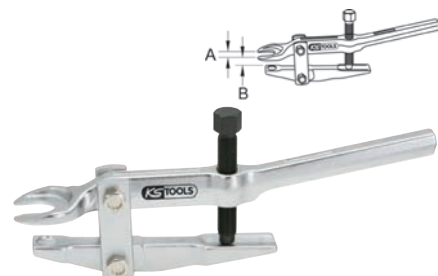
- Separator 4 stage adjustable
- Spindle hexagonal with additional drive point
- Forged
- Special tool steel
- Stage 1: 24 mm
- Stage 2: 30 mm
- Stage 3: 40 mm
- Stage 4: 45 mm



	A mm	B mm	mm	mm	kg
700.5630	20	24-45	M14 x 105	18	1,50

Universal ball joint separator

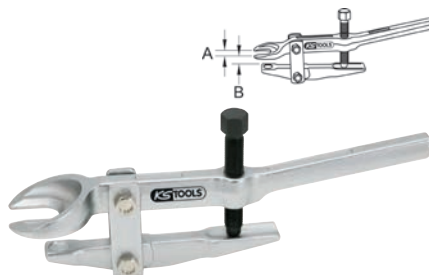
- Extra flat execution
- Forged
- Special tool steel



	A mm	B mm	mm	mm	kg
700.5620	18	20-37	M14 x 85	16	0,97

Universal ball joint separator

- Extra strong execution
- Forged
- Special tool steel



	A mm	B mm	mm	mm	kg
700.5625	20	20-37	M12 x 85	16	1,07

Universal ball joint extractor

- Robust model for loosening the track heads and push pole heads
- Optimal positioning through compact design and slim fork piece
- Adjustment of the clamp by means of the spindle
- Special tool steel



	A mm	B mm	mm	mm	kg
450.0070	32	75	M22 x 90	30	2,49
450.0071	45	80	M22 x 90	30	2,61

Ball joint puller for commercial vehicle, mechanical

- Massive execution for loosening the track heads and push pole heads
- Enormous power through lever transmission
- Special tool steel



	A mm	B mm	mm	mm	kg
450.0051	36	70	M24x3x160	34	4,34

Hydraulic universal ball joint separator

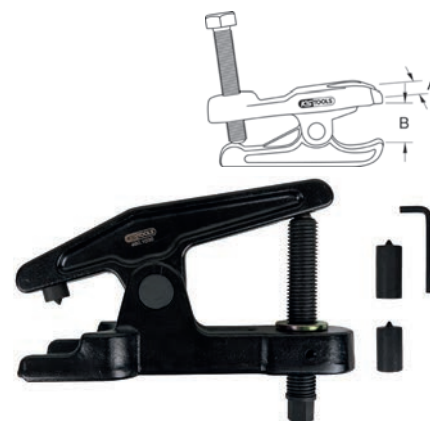
- Massive execution for loosening the track heads and push pole heads
- for fork-opening diameters of up to 36 mm
- Enormous power through lever transmission
- Excellent power transfer
- Special tool steel



	A mm	B mm	max t	mm	mm	kg
450.0050	36	70	10	17	1.1/2"x16G	6,55

Universal ball joint separator

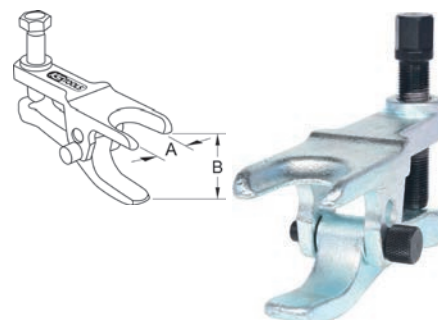
- Massive execution for loosening the track heads and push pole heads
- suitable for many heavy trucks, buses and low-floor buses
- Enormous power through lever transmission
- including 3 exchangeable pressure peaks
- Special tool steel



	A mm	B mm	mm	kg
460.1030	39,0	70,0	19,0	6,00

Universal ball joint separator

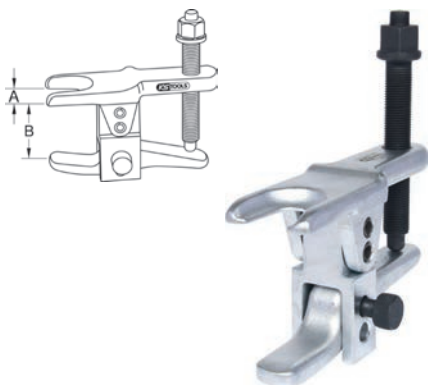
- For separating the ball plug when removing the ball joints
- Suitable for many vehicles + transporter
- Also suitable for aluminum undercarriages
- Special tool steel



	A mm	B mm	max t	mm	mm	kg
670.0121	24	50	3,5	17	M16x1,5x70	1,40
670.0122	24	60-80	3,5	17	M15x1,5x90	1,80

Universal ball joint separator 2 stage adjustable

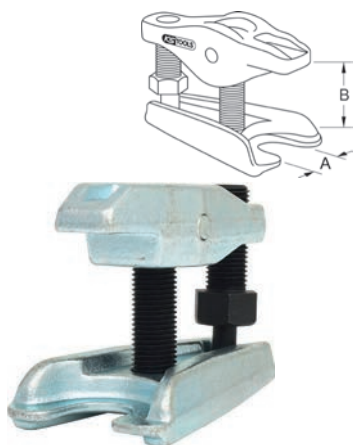
- Separator 2 stage adjustable
- Ideal for confined spaces
- Extremely high clamping range
- Spindle hexagonal with additional drive point
- Forged
- Special tool steel



	A mm	B mm	mm	mm	kg
700.5615	18-24	23-110	M16 x 130	16	1,20

Universal ball joint separator

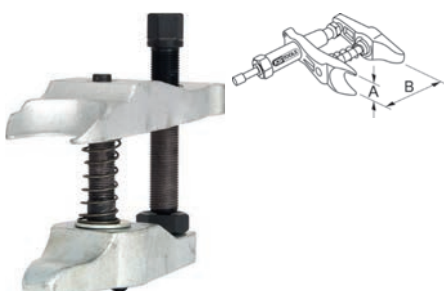
- For separating the ball plug when removing the ball joints
- Suitable for many vehicles
- Special tool steel



	A mm	B mm	max t	mm	mm	kg
670.0111	18-22	50	3,5	19	M14x1,5x48	0,90

Universal ball joint separator

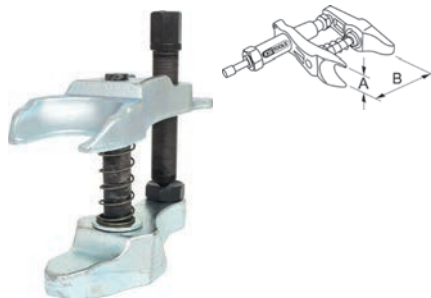
- For separating the ball plug when removing the ball joints
- Suitable for many vehicles + moderately heavy trucks
- Special tool steel



	A mm	B mm	max t	mm	mm	kg
670.0131	36	90	10	22	G1/2"x14gx110	3,70

Universal ball joint separator

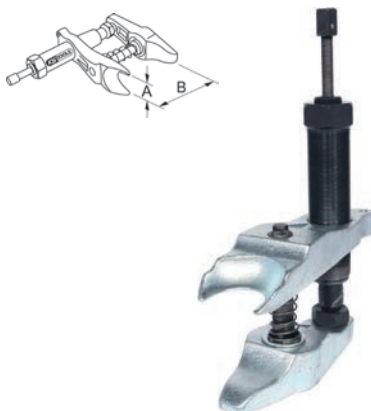
- For separating the ball plug when removing the ball joints
- Suitable for many heavy trucks, buses and low-floor buses
- For bolts Ø 35.0 - 45.0 mm
- Special tool steel



	A mm	B mm	max t	mm	mm	kg
670.0161	45	115	20	27	G3/4"x14gx125	6,40

Hydraulic universal ball joint separator

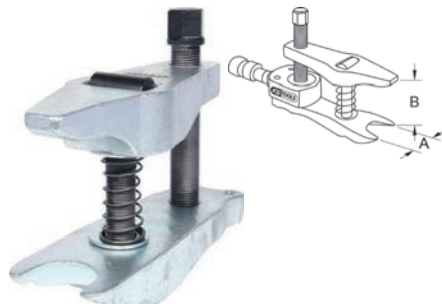
- For separating the ball plug when removing the ball joints
- Suitable for many vehicles + moderately heavy trucks
- For bolts Ø 27.0 - 36.0 mm
- Special tool steel



	A mm	B mm	max t	mm	mm	kg
670.0141	36	90	10	17	1.1/2"x16G	4,70

Universal ball joint separator without hydraulic cylinder

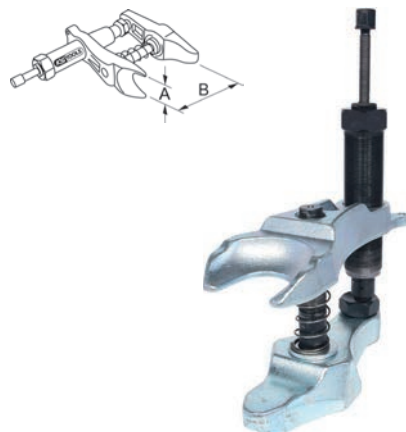
- For separating the ball plug when removing the ball joints
- Suitable for many vehicles + moderately heavy trucks
- For bolts Ø 27.0 - 36.0 mm
- Special tool steel
- For use with 640.0140



	A mm	B mm	max t	Adjusting screw mm	Ambo spindle mm	mm	kg
670.0151	36	90	10	M18x1,5x120	G1/2"x14gx110	22	3,50

Hydraulic universal ball joint separator

- For separating the ball plug when removing the ball joints
- Suitable for many heavy trucks, buses and low-floor buses
- For bolts Ø 35.0 - 45.0 mm
- Special tool steel



	A mm	B mm	max t	mm	mm	kg
670.0171	45	115	20	17	M14x1,5x50	7,00

Universal ball joint separator without hydraulic cylinder

- For separating the ball plug when removing the ball joints
- Suitable for many heavy trucks, buses and low-floor buses
- For bolts Ø 35.0 - 45.0 mm
- Special tool steel
- For use with 640.0140 / 640.0150



	A mm	B mm	max t	mm	mm	kg
670.0181	45	115	20	27	G3/4"x14gx125	6,00



Universal ball joint remover set with changeable forks

- With interchangeable forks Ø 20/22/24/27/30 mm
- For separating the ball plug when removing the ball joints
- Quick changes of the individual pressure forks due to the spring breaker system
- Maximum separation height: 125.0 mm
- In durable plastic storage case



450.0970	7 pcs	Universal ball joint remover set with changeable forks	6,00		

consists of:

450.0971	Universal ball pin ejector device	2000		
450.0972	Pressure spindle	380		
450.0973	Fork, Ø 20 mm	520		
450.0974	Fork, Ø 22 mm	520		
450.0975	Fork, Ø 24 mm	520		
450.0976	Fork, Ø 27 mm	520		
450.0977	Fork, Ø 30 mm	520		

Wheel hub impact puller

- suitable for removing 4 and 5-hole wheel hubs
- Holes from 100 to 150 mm
- With 1.2 kg impact force
- Optimal grip with plastic handle
- Ideally used when replacing wheel bearings
- Simple handling
- Special tool steel



	Rim diameter Ø mm	Bolt Ø mm	Hammer Ø mm	Slide rail Ø mm	Adaptor thread mm		
670.0001	100-150	max. 14	60	60	M16 x 1,5	3,70	

WHEEL HUB EXTRACTOR & DRIVE SHAFT EJECTOR

Flange extractor set

- In order to separate the flanges in pipes to enable gasket changing or maintenance works
- For screws M16 - M24
- Special tool steel

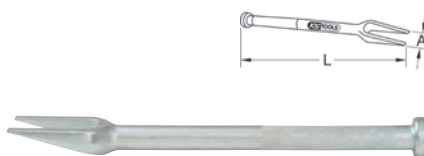


	Ø mm	mm	mm	mm	mm		
670.0251	2 pcs	80-250	M24x- 1,5x110	24	5,60		

Separating and assembly fork

- For quick loosening of track and steering rod ends steering arms and additional controlling parts
- Ideal for confined spaces
- Special tool steel

Caution: The separating and mounting fork damages the dust sleeve



	A mm	L mm	kg		
670.0091	18	330,0	0,90		
670.0092	23	330,0	0,90		
670.0093	31	330,0	1,10		
670.0094	35	330,0	1,30		
670.0095	45	330,0	1,50		

Universal wheel hub extractor set

- For bolt circle diameter up to 250 mm
- Clamp foot hole for bolts 14 mm, 18 mm + 22 mm
- Special tool steel



670.0013	5 pcs	Universal wheel hub extractor set	3,60		

Universal wheel hub extractor set

- For bolt circle diameter up to 250 mm
- Clamp foot hole for bolts 14 mm, 18 mm + 22 mm
- Special tool steel



670.0014	6 pcs	Universal wheel hub extractor set	4,10		

Universal wheel hub extractor set

- For bolt circle diameter up to 250 mm
- Clamp foot hole for bolts 14 mm, 18 mm + 22 mm
- Special tool steel



670.0015	7 pcs	Universal wheel hub extractor set	4,60		

accessories:

670.0017	Traverse bar for weehl hub extractor set	820		
670.0018	Puller leg +reception ring Ø14mm + Ø18mm	540		
670.0019	Reception ring Ø 14mm	22		
670.0020	Reception ring Ø 18mm	16		
610.2701	Spindle, 27mm, G3/4"x14Gx180mm	1000		

Universal wheel bearing puller and drive shaft puller, hydraulic

- Special tool for expressing the joint hubs or drawing off of the wheel hub
- Massive tool, made out of a one piece
- Special tool steel
- In durable plastic storage case



700.1400	11 pcs	Universal wheel bearing puller and drive shaft puller, hydraulic	9,34		

consists of:

700.1400-1	Hydraulic spindle 10 t, AG 1.1/2"x16G	1,34		
700.1400-2	Disc traverse, 100mm	0,92		
700.1400-3	Puller pull arm set, 5 pcs	0,50		
700.1400-4	Impact socket 30mm, L=200mm	0,94		
700.1400-5	Impact spindle	2,02		
700.1400-7	Extension small	0,06		

Wheel hub and bearing dismantling set

- Special tool for expressing the joint hubs or drawing off of the wheel hub
- Massive tool, made out of a one piece
- Special tool steel



700.1410	7 pcs	Wheel hub and bearing dismantling set	4,80	

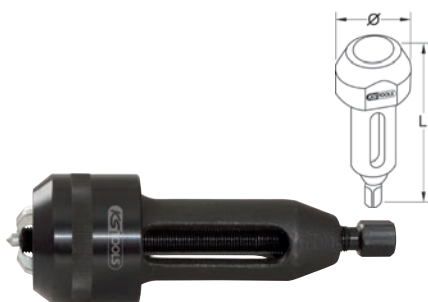
consists of:

700.1400-1	Hydraulic spindle 10 t, AG 1.1/2"x16G	1,34		
700.1411	Wheel hub puller without spindle	2,55		
700.1412	Conical ring set, 5 pcs	0,15		

DRAW OFF LINING

Draw off lining

- For drawing off the shoulder housings interior ring of light machines, motor parts and other machine parts
- Special tool steel



	Ø mm	L mm	max N·m	mm	mm	
670.0221	5-32	135	60	17	M14x1,5 x 130	1,40

STUD BOLT PULLER

Stud bolt puller

- For screwing in or extracting out stud bolts
- Right and left clamping function
- also for lengthy stud bolts
- Special tool steel



	Ø mm	max N·m		
670.0231	5 - 15	120	19 mm	360
670.0232	10 - 19	120	19 mm	400
670.0233	18 - 28	120	19 mm	450

Stud bolt puller

- For screwing in or extracting out stud bolts
- Right and left clamping function
- also for lengthy stud bolts
- Special tool steel



	Ø mm	max N·m		
670.0241	5 - 20	120	19 mm	400

Eccentric clamping and turning device

- For the removal and rotation of the round or hexagonal track rod joints (steering and wheel end)
- Due to the knurled eccentric cam it allows from optimal grip even at the joints without drive (round)
- For use on the workbench or directly on the vehicle
- Additional stopper prevents slipping during the splitting process
- Special tool steel



1/2"

	Ø mm	Ø mm	
150.1640	23-45	31-35	300

Eccentric clamping and turning device

- For the removal and rotation of the round or hexagonal track rod joints (steering and wheel end)
- Due to the knurled eccentric cam it allows from optimal grip even at the joints without drive (round)
- For use on the workbench or directly on the vehicle
- Additional stopper prevents slipping during the splitting process
- Special tool steel



1/2"

	Ø mm	Ø mm	
150.1642	25-55	25-46	800



Stud bolt puller

- External hexagon drive
- With right and left hand clamping function
- Safe clamping due to 3 rollers
- Stud screws can be screwed in or out without using counter nuts on the bolt
- Also for extra long studs that will go through the through socket
- Mirror polished
- Chrome vanadium



152.1005	M5	3/8"	19 mm	150
152.1006	M6	1/2"	21 mm	160
152.1007	M7	1/2"	21 mm	160
152.1008	M8	1/2"	21 mm	170
152.1010	M10	1/2"	21 mm	180
152.1012	M12	1/2"	21 mm	200
152.1014	M14		24 mm	200

Screw bolt puller set

- Square drive adaptor to DIN 3120 / ISO 1174 with ball lock
- External drive hexagonal socket 21.0 mm
- With right and left hand clamping function
- Safe clamping due to 3 rollers
- allows quick and effortless insertion and removal of studs, dowel screws, threaded rods etc.
- Stud screws can be screwed in or out without using counter nuts on the bolt
- Also for extra long studs that will go through the through socket
- Mirror polished
- Chrome vanadium
- In durable plastic storage case



152.1100	4 pcs	M6 - M8 - M10 - M12		0,79

Screw bolt puller set

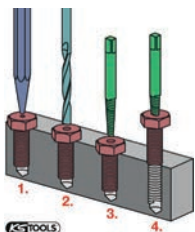
- External hexagon drive
- With right and left hand clamping function
- Safe clamping due to 3 rollers
- Stud screws can be screwed in or out without using counter nuts on the bolt
- Also for extra long studs that will go through the through socket
- Mirror polished
- Chrome vanadium
- In durable plastic storage case



				kg
152.1101	7 pcs	M5 - M6 - M7 - M8 - M10 - M12 - M14		
				1,50

Screw extractor set

- For screws from M3 - M18
- Enable the loosening of screws and bolts with turned off heads
- Conical tapered spiral
- In durable plastic case



				kg
150.1330	6 pcs	M3-M6 - M6-M8 - M8-M11 - M11-M14 - M14-M18 - M18-M24		
				64

NUT SPLITTER

Mechanical nut splitter set

- For splashing on tight and overtightened nuts without damaging the threaded bolt
- Suitable for nuts to a tensile strength class 6
- Special tool steel



				kg
700.1180	4 pcs	Mechanical nut splitter set		
				1,58

consists of:

				kg
700.1181	Nut splitter 9 - 12 mm, drive 12 mm		90	
700.1182	Nut splitter 12 - 16 mm, drive 14 mm		170	
700.1183	Nut splitter 16 - 22 mm, drive 19 mm		380	
700.1184	Nut splitter 22 - 27 mm, drive 21 mm		660	

Hydraulic nut splitter set

- For splashing on tight and overtightened nuts without damaging the threaded bolt
- Working range 7.0 - 36 mm
- Induction hardened in the cutting area
- Suitable for nuts to a tensile strength class 10
- Excellent power transfer
- Special tool steel
- In durable plastic storage case



				kg
700.1170	7 pcs	Hydraulic nut splitter set		
				5,00

consists of:

				kg
700.1150	Hydraulic nut splitter 7.0 - 21.0 mm		700	
700.1163	Nut splitter		3600	
700.1151	Replacement chisel small		50	
700.1152	Replacement plate small		50	
700.1161	Replacement chisel large		100	
700.1162	Replacement plate large		100	
151.2073	Hexagon key 3/8" for replacement plate large		110	

Hydraulic nut splitter

- Small execution
- Suitable for nuts to a tensile strength class 10
- Work pressure max. 5 t
- Suitable for narrow spaces



				kg
700.1150	7 - 21	210,0		
				700

Hydraulic nut splitter

- Small execution
- Suitable for nuts to a tensile strength class 10
- Compressive force max. 15 t
- Suitable for narrow spaces
- Exchangeable chisel



				kg
630.0022	22-36	290,0		
				2,90

Hydraulic nut splitter set

- Large execution
- Suitable for nuts to a tensile strength class 10
- Work pressure max. 13 t
- In durable plastic storage case



				kg
700.1160	4 pcs	22 - 36 mm; M14 - M24		
				3,80

consists of:

				kg
700.1161	Replacement chisel large		100	
700.1162	Replacement plate large		100	
700.1163	Nut splitter		3600	
151.2073	Hexagon key 3/8" for replacement plate large		110	