

A & K Mietservice

Rental catalogue



A & K

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About us

Founded in 1989, A&K Anschlagmittel und Hebezeuge Vertriebs- GmbH has been selling ENERPAC hydraulic components from the very beginning. In the following years, the product range was rounded off by other manufacturers.

In 1990, sales were supplemented and steadily expanded by our comprehensive service.

Our repair and testing service for high-pressure hydraulics, hoists and slings is recognized. Well-known companies are part of our reference.

In 1993, we supplemented our service with the rental of hydraulic components. This service was steadily growing in popularity and led to the A & K Rental Service division. In the meantime, our hydraulic components and services are geared nationwide. In addition, we supervise construction site projects in Austria, Poland, Ireland, Sweden, Turkey and the Netherlands.

In 1996, our Weser/Ems branch was opened in the beautiful Oldenburg Münsterland. Our service package also quickly became interesting for our new customers, between Bremen and Dortmund.

From now on, A&K has two solid and solid foundations.

After completing his commercial training, we were able to recruit Sven Achenbach as a career changer for our company in 2002. Through the support of the experienced and qualified employees and through the solid ambition of Sven Achenbach, the growing needs of our customers could be constantly taken into account.

In 2002, we were able to take over the shares of our partner.

In 2020, the Weser-Ems site was sold to our long-time employee Thorsten Jankowai.

We are now putting all our potential into our Berlin location.



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RC Series, Single Acting Cylinders

The standard set by the industry

- Powerful retraction spring
- Designed for use in all situations
- Complete with coupling sleeve CR400

Specifications	RC50	RC53	RC102	RC104	RC106	RC108	RC1012	RC1014	RC154	RC256	RC506	RC5013
Compressive force t (kN)	5 (45)	5 (45)	10 (101)	10 (101)	10 (101)	10 (101)	10 (101)	10 (101)	15 (142)	25 (232)	50 (498)	50 (498)
Oilvol. cm³	10	50	78	152	226	294	441	516	205	525	1131	2399
Stroke mm	16	76	54	105	156	203	304	356	101	158	159	337
Height mm	41	165	121	171	247	298	400	450	200	273	282	460
Cylinder Outside Ø mm	58	38	57	57	57	57	57	57	69	85	127	127
Piston surface cm²	6,5	6,5	14,5	14,5	14,5	14,5	14,5	14,5	20,3	33,2	71,2	71,2
Weight kg	1	1,5	2,3	3,3	4,4	5,4	6,8	8,2	5,0	10,0	23,1	37,6



RCS Series, Short Stroke Cylinders

Specifications	RCS101	RCS201	RCS502	RCS1002
Compressive force t (kN)	10 (101)	20 (201)	50 (435)	90 (887)
Oilvol. cm³	55	129	373	722
Stroke mm	38	45	60	57
Height mm	88	98	122	141
Cylinder Outside Ø mm	69	92	124	165
Piston surface cm²	14,5	28,7	62,1	126,7
Weight kg	4,1	5,0	10,9	22,7

The maximum force/altitude ratio

- Lightweight cylinder in compact design for use in confined spaces
- single-acting with spring retraction
- Grooved piston ends eliminate the need for thrust pieces



Specifications	RSM 050	RSM 100	RSM 200	RSM 300	RSM 500	RSM750	RSM 1000
Compressive force t (kN)	5 (45)	10 (101)	20 (201)	30 (295)	45 (435)	75 (718)	90 (887)
Oilvol. cm³	4	18	32	55	99	164	203
Stroke mm	6	11	11	13	16	16	16
Height mm	32	43	51	58	66	79	85
Cylinder Outside Ø mm	58 x 41	82 x 55	101 x 76	117 x 95	140 x 114	165 x 139	178 x 153
Piston surface cm²	6,5	14,5	28,7	42,1	62,1	102,6	126,7
Weight kg	1,0	1,4	3,1	4,5	6,8	11,3	14,5

The maximum force-to-height ratio

- Compact, low-profile design, for use where other cylinders are too large
- RSM-050 with 0.3 m hose adapter for coupling sleeve (cylinder height too low for direct connection of the coupling sleeve)
- Grooved piston ends eliminate the need for thrust pieces



Hollow piston cylinder



Versatility in testing, maintenance, pulling and clamping

- The hollow piston design allows the cylinders to be used for compression and tension work
- Nickel-plated center tube increases service life

Specifications	RCH123	YG2050K (RCH202)	RCH302 (YG3050K)	RCH603	RCH606	RRH6010 Doppeltwirkend	RCH1003	DH10015 Doppeltwirkend
Compressive force t (kN)	13 (125)	20	30 (326)	60 (576)	60 (576)	60 (576)	95 (931)	101 (1018)
Oilvol. cm ³	136	146	298	626	1259	2115	1011	2226
Stroke mm	76	50	64	76	153	257	76	150
Height mm	184	161	178	247	323	438	254	335
Cylinder Outside Ø mm	19,6	27	33,3	53,8	53,8	53,8	79	80
Piston surface cm ²	69	99	114	159	159	159	212	220
Weight kg	17,9		46,6	82,3	82,3	82,3	133	116
Compressive force t (kN)	4,4	7,5	10,9	28	35,4	45	63	76



Of course, all rental equipment is UVV-tested!

CLS Series, Heavy Duty Cylinders

Specifications	CLS504	CLS1006
Compressive force t (kN)	50 (496)	100 (929)
Oilvol. cm ³	709	1991
Stroke mm	100	150
Height mm	178	243
Cylinder Outside Ø mm	125	165
Piston surface cm ²	70,9	132,7
Weight kg	18	40

All components, such as Cylinders, pumps, accessories are quick to operate with our pluggable system.
The HD hoses are equipped with coupling plugs on both sides.



The single-acting solution for heavy loads

- Single-acting with load retraction
- Piston wiper ring reduces the penetration of dirt
- Interchangeable Thrust Pieces
- With spraying hole serves to limit stroke
- Without adjusting ring nut

Tensile cylinders, single-acting with spring retraction

Technische Daten	BRP106L	BRP606
Compressive force t (kN)	10 (105)	50 (506)
Oilvol. cm ³	227	1096
Stroke mm	150	153
Height mm	723	718
Cylinder Outside Ø mm	85	140
Piston surface cm ²	15	72,1
Weight kg	13,2	58,3



CLRG Series,
Double-acting heavy-duty cylinders
RR Series, Double-Acting Cylinders

Specifications	CRI100-460SPC	CLRG2006	HCR2006
Compressive force t (kN)	93 (929)	200 (1861)	200 t
Oilvol. cm³		3989	4.253
Stroke mm	460	150	150
Height mm	687	312	331
Cylinder Outside Ø mm	177	235	250
Piston surface cm²	132,7	265,9	283,5
Weight kg		91	111



Step lifter

Specifications	with CLRG2006
Compressive force t	200
Stroke mm	150
Overall dimension mm	450x450x450
Weight kg	300



RAC series,
Single-acting aluminum cylinders

Specifications	RAC506
Compressive force t (kN)	50 (496)
Oilvol. cm³	1063
Stroke mm	150
Height mm	286
Cylinder Outside Ø mm	130
Piston surface cm²	70,9
Weight kg	11,1



Heavy-duty cylinders

Specifications	CRM50/80SPC	CSE50/50GS	STX05005	RCL503C	HCL506	CLL508	STR05010	STR05020	ST05020	STX09004	ST10010	CLL1006	HCL1008
Compressive force t (kN)	50 (549)	50	50 (486)	50 (496)	56 (550)	50 (496)	50 (487)	50 (487)	50 (487)	90 (911)	100 (911)	100 (929)	100 (1002)
Oilvol. cm³	628	392	355	709	1178	1418	709	1400	1417	597	1327	1991	2863
Stroke mm	80	50	50	80	150	200	100	200	200	45	100	150	200
Height mm	145	173	125	175	264	314	205	310	335	137	250	287	337
Cylinder Outside Ø mm	160	140	110	130	130	125	125	125	125	165	180	165	175
Piston surface cm²	78,53	78,5	45	78,5	78,5	70,9	70,9	70,9	70,9	133	130	132,7	143,1
Weight kg	21	19,2	11	20	27	30	20	30	31,8	23	48,2	48	63



Heavy-duty cylinders

Specifications	ST14010	CLL/ HCL1504	CLL/ HCL1506	CLL2004	CLL2006	HCL2006	HCL2508
Compressive force t (kN)	140 (1380)	150 (1497)	150 (1497)	200 (1890)	200 (1859)	200 (1985)	250 (2541)
Oilvol. cm³	2010	2138	3207	1665	3989	4253	7261
Stroke mm	100	100	150	100	150	150	200
Height mm	259	259	309	293	343	338	399
Cylinder Outside Ø mm	205	215	215	235	235	250	280
Piston surface cm²	201	213,8	213,8	265,6	265,6	283,5	363,1
Weight kg	72,5	73	87	105	117	124	192



Heavy-duty cylinders

Specifications	ZE7323E	CLL3006	CSE300/150GS	STX35010	CSE400/150GSTU
Compressive force t (kN)	303 (3193)	300 (3193)	300 (3036)	350 (3430)	400 (4008)
Oilvol. cm³	4400	6843	6506	4906	8588,3
Stroke mm	100	150	150	100	150
Height mm	323	395	406	355	515
Cylinder Outside Ø mm	311	310	305	330	365
Piston surface cm²	430	456,2	433,7	491	572,6
Weight kg	188	233	221	229	344



Heavy-duty cylinders

Specifications	CLL5004	HCL5008	CLL5009*	CSE600/150 GS-TU	CSE650/150 GS- TU	CSE800/50 GS-TU-TA	ST80005
Compressive force t (kN)	500 (5118)	500 (5114)	500 (5118)	600 (5987)	670 (6734)	800 (8149)	800
Oilvol. cm³	7200	14612	16438	12829,4	14431	5.820	8.149
Stroke mm	100	200	225	150	150	50	50
Height mm	425	507	560	586	601	395	348
Cylinder Outside Ø mm	400	400	400	446	476	505	505
Piston surface cm²	731,1	730,6	731,1	855,3	962,1	1.164	1.164
Weight kg	400	489	590	554	683	610	537

*Cylinder is only rented with base plate Dimensions: 500 x 500 x 40 mm (L/W/H)
optionally with headstock Dimensions: 465 x 520 x 90 mm (L/W/H)

Flat cylinder with half-shell safety device

Specifications	CSE1000/55 TU-SPC
Compressive force t (kN)	1000
Oilvol. cm³	7261
Stroke mm	50
Height mm	138
Cylinder Outside Ø mm	565
Piston surface cm²	1452,2
Weight kg	262

CLP Series, Flat Cylinder

Specifications	CLP602 / LPL602	CLP1002 / LPL1002	CSE100/50GS TU	CLP1602	CLP2002	LPL2002*	CLP2502	CSE260/50GS TU TS	LPL2502*
Compressive force t (kN)	60 (606)	100 (1027)	100 (1016)	160 (1619)	200 (1999)	202 (1985)	260 (2567)	250 (2541)	259 (2541)
Oilvol. cm³	432	734	769	1040	1285	1275,9	1650		1633,7
Stroke mm	50	50	50	45	45	45	45	50	45
Height mm	125	137	138	148	155	155	159	169	159
Cylinder Outside Ø mm	140	175		220	245	245	275	275	275
Piston surface cm²	86,6	146,8	145,27	231,3	285,6	283,5	366,8	363	363,1
Weight kg	15	26	26	44	57	55	74		70



CLP Series, Flat Cylinder

Specifications	CSE300/50GS TU TA	ZERK672	LPL / CLP4002	CSE400/50GS TU TA	ZERK674	LPL / CLP5002	HFCL550/50
Compressive force t (kN)	310 (3167)	310	400 (3916)	400 (4007)	500	510 (5114)	550 (5656)
Oilvol. cm ³		2500	2517		4000	3287	3.620
Stroke mm	50	50	45	50	50	45	50
Height mm	172	170	178	185	192	192	192
Cylinder Outside Ø mm	308	302	350	350	384	400	405
Piston surface cm ²	491	491	559,5	572,6	804	730,6	803,8
Weight kg	173	86	134	137	200	189	193



Hydraulic Tools

Specifications	Nut cutter NC2432	Nut cutter NC3241	Nut cutter NC4150	Nut cutter NC6075		Machine jack LW16 4	Flange spreader SWI14TI 2
Thread Size	M16 – M22	M22 – M27	M27 – M33	M39 – M48	Druckkraft	16 t (157 kN)	14 t (125 kN)
Hex size	24 – 32 mm	32 – 41 mm	41 – 50 mm	60 mm – 75 mm	Bauhöhe	10 mm	6 mm
Capacity	15 t (147 kN)	20 t (196 kN)	35 t (343 kN)	90 t (882 kN)	Hub	21 mm	74 mm
Weight	3 kg	4,4 kg	8,2 kg	34,1 kg	Gewicht	9 kg	7,1 kg



Hand Pumps

Steel Hand Pumps

Specifications	P 80	P 801	P 462	WH3	WH40	WH100
Usable oil vol. cm ³	2200	4080	7423	1800	3800	11000
Weight kg	10,9	14,1	27,7	7,5	11,0	21,5



Lightweight Hand Pumps

Specifications	P 392
Usable oil vol. cm ³	901
Weight kg	4,1



High Pressure Hand Pumps

Specifications	P2282
max. operating pressure bar	2.800
Connection	3/4" - 16 UNF
Usable oil vol. cm ³	983
Weight kg	6,4



Electric Pumps

Specifications	PUJ1401E	PEM2320E	ZE5840MW-GR	PPM9483	SFP409MW	SFP242SW	SFP813SW	Evo 16 Point System	1000 L Pump with 2 Motors (ZE Series)
Engine	E-Motor 230 V, 50 Hz	E-Motor 230 V,	E-Motor 400 V, 3Ph,50 Hz, 16 A	E-Moto 400 V, 3PH, 50 Hz, 32 A	E-Motor 400 V, 3Ph, 50 Hz,	E-Motor 400 V, 3Ph, 50 Hz,	E-Motor 400 V, 3Ph, 50 Hz,	E-Motor 400 V, 3Ph,50 Hz, 32 A	2x E-Motor 400 V, 3PH, 50 Hz, 32 A
Valve	4/3 directional control valve, 3 m long remote control	3/3 directional valve, solenoid valve, 24V valve remote control with 3 m remote control cable	4/3 Directional Valve, Solenoid Valve, 24V Valve Remote Control with 3m Remote Control Cable	4/3 Directional Valve, Solenoid Valve, 24V Valve Remote Control with 3m Remote Control Cable	4/3 Directional Valve, Manual with Joystick	4/3 Directional Valve, Solenoid Valve with Remote Control	4/3 Directional Valve, Solenoid Valve with Remote Control	16x 4/3 directional valve, solenoid valve, 24V valve remote control with 6 m remote control cable	4/3 Directional Valve
Valve function	Up/ hold/ down	Up/ hold/ down	Up/ hold/ down	Up/ hold/ down	Up/ hold/ down	Up/ hold/ down	Up/ hold/ down	Up/ hold/ down	Up/ hold/ down
Usable oil vol.	3,8 L	20 L	40 L	60 L	150 L	150 L	150 L	150 L	950 L available
Volume flow L/min.	3,31 / 0,32		1,64 / 11,61	14,5/ 8	4 divided flow rates á 0,9	2 divided flow rates á 4,2	8 divided flow rates á 4,2	16 point synchronous stroke system	14,5/ 8
Weight kg	ca. 19 kg	ca. 55 kg	ca. 94	ca. 330	ca. 475	ca. 526 kg	ca. 600 kg	ca. 700	ca. 1200



Hydraulic Accessories

Pressure gauge block	Splitter	Splitter	Shut-off valve / safety valve	Cylinder Base	Way measuring system	Way measuring system
	2-way	4-way	V82, V66	JB1-10, JB1-50	SX50	SX08
- G2536L - G4040L - digital gauge	each with a Shut-off valve	each with a Shut-off valve	V82 Needle valve, for control of cylinder speed and shut-off valve V66, safety valve to loads.	JB1-10, RC 10 t Cylinder JB1-50, RC 50 t Cylinder	- 45 waypoints with up to 625 mm measuring range - With PC and documentation in Exel	- 8 waypoints with up to 625 mm measuring range - With PC and documentation in Exel

700bar High Pressure Hydraulic Hoses

Specifications	HD-20	HD-30	HD-40	HD-60	HD-100	HD-200
length m	2	3	4	6	10	20



Hydraulic torque wrench, square drive

Specifications	S1500	3MXTA	S3000X	S6000X	S11000
Max. Torque Nm	1.952	4.620	4.373	8.338	15.151
Support arm	Incl.	Incl.	Incl.	Incl.	Incl.
Square mount	¾"	1"	1"	1 ½"	1 ½"
Weight	3,2 kg	5 kg	5 kg	9,2 kg	15,8 kg
Model	Electric pump	Electric pump	Electric pump	Electric pump	Electric pump
Twin hose	4 m	4 m	4 m	4 m	4 m
Conversion table	inkl.	inkl.	inkl.	inkl.	inkl.
Weight, complete	ca. 33 kg	ca. 50 kg	ca. 50 kg	ca. 65 kg	ca. 90 kg

Electric power torque wrench

Specifications	TES241	Specifications	BTW2000
Max. Torque Nm	2.500	Max. Torque Nm	630 - 2.710
Square mount (A)	1"	Square mount (A)	1"
Idle speed	9 U/ min.	Idle speed	1 - 5 U/ min.
Overall height (H)	ca. 570 mm	Overall height (H)	ca. 292 mm
Weight	9 kg	Weight	7,2 kg

Hexagonal torque wrench

Specifications	W2000	W2000M10 4	W4000	W8000	W15000	30LOW
Max. Torque Nm	2.766	2.766	5.661	11.484	20.785	41.882
Tension Wheel Insert	36 - 60, 2"	36 - 60	55 - 80	65 -95	80 -115	90- 155 mm
Weight drive head	1,4 kg	1,6 kg	2 kg	3 kg	5 kg	11,4 kg
Cassette weight	-	-	-	-	-	29 kg
Weight complete	-	-	-	-	-	40 kg



< S-Series



W-Series >



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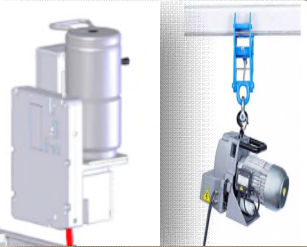


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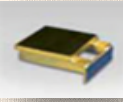
Hoists

Rental equipment and short description			
		Carrier Clamp Load capacity: 3.0 t Flange width: 0- 320 mm Weight: 9.2 kg	Carrier Chassis Load capacity: 3.0 t Gripping range: 74- 305 mm Weight: 29 kg
		Steel winch Load capacity: 3.0 t Stroke: 350 mm Head attachment height: 725 mm Claw attachment height: 70 mm Weight: 20 kg	Steel winch Load capacity: 5.0 t Stroke: 350 mm Head attachment height: 725 mm Claw attachment height: 75 mm Weight: 27 kg
 		Hydraulic Lifter Lifting capacity: 20 t	Hydraulic Lifter Lifting capacity: 10 t

Hoists

Rental equipment and short description			
	Spur Wheel Pulley Load capacity: 2.0 t Stroke: 5 m, Smallest overall height: 450 mm Weight: approx. 20 kg	Spur Wheel Pulley Load capacity: 3.0 t Stroke: 5 m, Smallest overall height: 530 mm Weight: approx. 33 kg	
	Spur Wheel Pulley Load capacity: 10.0 t Stroke: 3 m Smallest overall height: 765 mm Weight: approx. 78.50 kg	Spur Wheel Pulley Lifting capacity: 20.0 t Stroke: 3 m Smallest overall height: 950 mm Weight: approx. 190 kg	
	Lever pull Load capacity: 1.5 t Stroke: 3 m, Weight: approx. 19 kg	Lever pull Load capacity: 3.0 t Stroke: 3 m, Weight: approx. 23 kg	Lever pull Load capacity: 5.0 t Stroke: 1.5m, 8m Weight: approx. 28 – 40 kg
	Hand rope hoist Load capacity: 1.6 t Rope feed: 60 mm Leverage: 30 daN Rope Ø: 11.5 mm Weight: 14 kg	Hand rope hoist Load capacity: 3.2 t Rope feed: 40 mm Leverage: 50 daN Rope Ø: 16 mm Weight: 21 kg	
	Electric wire rope hoist Tirak Load capacity: up to 1500 kg (3000 kg turned) Lift: 10 – over 100 m Rope Ø: 8 - 14 mm	Electric wire rope hoist Minifor Load capacity: up to 500 kg Lift: 10 – over 100 m Rope Ø: 8 mm	

ERS 30 rolling carriage and transport trolley

Specifications	Model	Carrying capacity* t (kN)	Dimensions mm					Weight kg
			A	B	C	D	E	
Rolling carriage (4 pieces) 	ER15	15 (133)	220	114	74	23	60	7,3
Turntable (2 pieces) 	ES15	15 (133)	219	85	41	130	-	4,5
Compensating piece (2 pieces) 	SLP15	15 (133)	149	85	41	119	-	3,7

* When using 4 rolling cars, the load capacity of 3 carts is calculated

Specifications	Model	Carrying capacity t	Dimensions mm					Weight kg
			A	B	C	D	E	
Trolley	00436	6	270	200	105	85	85	7,3

