

HERMANN JAEGER GMBH - HAMBURG / GERMANY



TOOLS - 2005.3

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HERMANN JAEGER GMBH - HAMBURG / GERMANY

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FELDER Brazing & Welding rods		



HERMANN JAEGER GMBH - HAMBURG / GERMANY

GRIP with wire cutter

GRIP with wire cutter				
Order No.	Length	Weight	Capacity	
0100-0105	140 mm	170 g	30 mm	No. 10/5.5
	5.1/2"		1.1/8"	
0100-0107	180 mm	355 g	35 mm	No. 10/7
	7"		1.3/8"	
0100-0110	250 mm	545 g	50 mm	No. 10/10
	10"		2"	
0100-0112	300 mm	900 g	65 mm	No. 10/12
	12"		2.1/2"	



Semi-circular gripping jaws.

Application field: round and flat materials

PRISMA-GRIP

PRISMA-GRIP				
Order No.	Length	Weight	Capacity	
0110-0118	180 mm	350 g	30mm	No. 12/7
	7"		1.1/8"	
0110-0125	250 mm	555 g	35mm	No. 12/10
	10"		1.3/8"	
0110-0130	300 mm	900 g	50mm	No. 12/12
	12"		2"	



Longitudinal groove in the top jaw.

Application field: round and flat materials

PARALLEL-PLUS-GRIP

Order No.	Length	Weight			
0150-0150	250 mm	580 g		No. 15	
	10"				

Combined jaw shape with one pivoting jaw.

Application field: round and flat materials

PARALLEL-GRIP

Order No.	Length	Weight	Capacity		
0160-0160	250 mm	700 g	50 mm	No. 16	
	10"		2"		

For parallel clamping.

Application field: flat and shaped materials

GRIP with straight jaws

GRIP with straight jaws				
Order No.	Length	Weight	Capacity	
0200-0207	180 mm	355 g	35 mm	
	7"		1.3/8"	
0200-0210	250 mm	510g	40 mm	No. 20/10
	10"		1.1/2"	

Application field: flat materials.

IDEAL-GRIP

IDEAL-GRIP				
Order No.	Length	Weight	Capacity	No. 25/1
0250-0251	180 mm	370 g	35 mm	
	7"		1.3/8"	
0250-0252	250 mm	575 g	50 mm	No. 25/2
	10"		2"	



Combined jaw shape.

Application field: flat, round, shaped and square materials.

001

HERMANN JAEGER GMBH - HAMBURG / GERMANY

LONG-NOSE-GRIP				
Order No.	Length	Weight	Capacity	No. 36
	240 mm		40 mm	
0360-0361	9.1/2"	380 g	1.1/2"	



Application field: ideal for gripping in tapering spaces.

GRIP FOR SHEET-METAL				
Order No.	Length	Weight	Capacity	No. 37
	180 mm		45 mm	
0370-0370	7"	470 g	1.3/4"	



Width of jaws 80 mm
3.1/8"

Application field: ideal for bending sheet metal

PINCH-OFF-GRIP				
Order No.	Length	Weight	Capacity	No. 38
	250 mm		25mm	
0380-0380	510"	500 g	1"	

Forged jaws



Application field: bgass and copper pipes used in refrigeration and heating systems.

WELDING-GRIP				
Order No.	Length	Weight	Capacity	No. 30/0
	280 mm		60 mm	
0300-0300	11"	790 g	2.3/8"	

with steel jaws



Order No.	Length	Weight	Capacity	No. 30/1
	280 mm		70 mm	
0300-0301	11"	935 g	2.3/4"	

with malleable cast iron jaws



GRIP FOR TUBES				
Order No.	Length	Weight	Capacity	No. 32/0
	280 mm		10-90 mm	
0320-0320	11"	790 g	3/4"-3.1/2"	

with steel jaws



Order No.	Length	Weight	Capacity	No. 32/1
	280 mm		10-90 mm	
0320-0321	11"	935 g	3/4"-3.1/2"	

with malleable cast iron jaws



ANGEL-WELDING-GRIP				
Order No.	Length	Weight	Capacity	No. 33
	280 mm		35 mm	
0330-0330	11"	765 g	1.3/8"	



Application field: ideal for right-angled corners and edges.

C-CLAMP-GRIP				
Order No.	Length	Weight	Capacity	No. 34/0
	155 mm		90 mm	
0340-0340	6"	710 g	3.1/2"	
	280 mm		90 mm	No. 34/1
0340-0341	11"	710 g	3.1/2"	



Application field: ideal for bulky workpieces

002

HERMANN JAEGER GMBH - HAMBURG / GERMANY

C-CLAMP-GRIP

Order No.	Length	Weight	Capacity	
0340-0342	460 mm 18"	1090 g	220 mm 9.1/2"	No. 34/2
0340-0343	600 mm 24"	1345 g	320 mm 12.1/2"	



Order No.	Length	Weight	Capacity	
0340-0344	500 mm 20"	1520 g	350 mm 13.3/4"	No. 34/4



PARALLEL-C-CLAMP-GRIP

Order No.	Length	Weight	Capacity	
0350-0351	280 mm 11"	780 g	90 mm 3.1/2"	No. 35/1

with moveable jaws



Order No.	Length	Weight	Capacity	
0350-0352	460 mm 18"	1170 g	225 mm 8.3/4"	No. 35/2
0350-0353	600 mm 24"	1415 g	295 mm 11.3/4"	

with moveable jaws



Order No.	Protective caps, pair
0350-0355	

No. 35/5



UNIVERSAL PLIER

Order No.	Length	Weight	Capacity	
0400-0400	400 mm 16"	1115 g	120 mm 4.1/2"	No. 40



Plastic coated handles, with grooved gripping surfaces, polished chromium-plating.
made of CHROM-VANADIUM-STEEL

Order No.	Length	Weight	Capacity	
0400-0401	240 mm 9.1/2"	385 g	30 mm 1.1/8"	No. 40/1

With straight jaws.



Order No.	Length	Weight	Capacity	
0400-0402	240 mm 9.1/2"	375g	35 mm 1.3/8"	No. 40/2

With curved jaws



FITTINGS WRENCH

Order No.	Length	Weight	Capacity	
0450-0800	275 mm 11"	700 g	60mm 2.3/8"	No. 80/0
	burnished			
	0450-0802		250mm 10"	
chromium-plated				
0450-0820		Protective jaw set		No. 82



Burnished, with polished top box, with protective jaws.
Chromium-plated, with red handle, with protective jaws.
Application field: bathroom area.

003

HERMANN JAEGER GMBH - HAMBURG / GERMANY

VALVE-SPRING-COMPRESSOR

Order No.	Length	Weight	Capacity
0500-0500	290 mm 11.1/2"	1175 g	70 - 225 mm 3 - 9"
	with straight jaws		
0500-0510	290 mm 11.1/2"	1290 g	40 - 225 mm 1.3/4 - 9"
	with straight and curved jaws		

No. 50

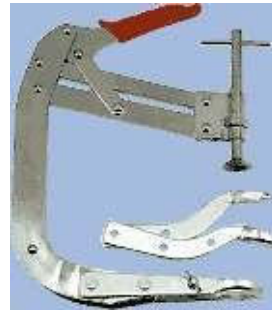
No. 51

With straight jaws.

With straight and curved jaws.

Changeable jaws, bright nickel plated,

application field: light motor vehicle engines



Order No.	Length	Weight	Capacity
0500-520	390 mm 15"	3210 g	85 - 280 mm 3.3/8 - 11"

No. 52

With straight and curved jaws.

Changeable jaws, bright nickel plated,

application field: heavy engines

(e. g. bus, tractor, truck etc.)



Order No.	Length	Weight	Capacity
0500-0530	500 mm	3955 g	120 - 350 mm
	20"		4.3/4 - 13.3/4"

No. 53

With straight and curved jaws.

Changeable jaws, bright nickel plated.

Application field: heavy engines

(e. g. bus, tractor, truck etc.)



Order No.	Replacement jaws, pair	
0500-0511	Nr. 0500-0500 + 0500-0510 straight	No. 51/1
0500-0512	Nr. 0500-0500 + 0500-0510 curved	No. 51/2
0500-0531	Nr. 0500-0520 + 0500-0530 straight	No. 53/1
0500-0512	Nr. 0500-0520 + 0500-0530 curved	No. 53/2

Order No.	Length	Weight	Capacity
0500-0540	360 mm 14"	1630 g	75 - 240 mm 3 - 9.3/8"

No. 54

Bright nickel plated.

Application field: ideal for engines with camshaft at the top.

O. H. C



PISTON-RING-PLIER

Order No.	Length	Weight	Capacity
0600-0601	200 mm 8"	235 g	50 - 100 mm 2 - 4"
0600-0602	240 mm 9.1/2"	340 g	90 - 150 mm 3.1/2 - 6"

No. 60/1

No. 60/2

Bright nickel plated, handles plastic-coated.

Application field: dismounting and fitting piston rings.



004

HERMANN JAEGER GMBH - HAMBURG / GERMANY

PISTON-RING-COMPRESSOR

Order No.	Height	Weight	Capacity
0700-0700	50 mm 2"	115 g	40 - 75 mm 1.1/2 - 3"

No. 70/0

Infinitely adjustable with clamping wrench, special spring steel, tightening strap blue, ties white, lock and spanner bright nickel plated.

Application field: motor vehicle pistons.



Order No.	Height	Weight	Capacity
0700-0701	80 mm 3"	245 g	57 - 125 mm 2.1/4 - 5"

No. 70/1

0700-0711	100 mm 4"	265 g	57 - 125 mm 2.1/4 - 5"
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No. 70/1a

0700-0702	80 mm 3"	285 g	90 - 175 mm 3.1/2 - 7"
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No. 70/2

0700-0721	100 mm 4"	310 g	90 - 175 mm 3.1/2 - 7"
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No. 70/2a

Infinitely adjustable with clamping wrench, special spring steel, tightening strap blue, ties white, lock and spanner bright nickel plated.

Application field: motor vehicle pistons.



Order No.	Height	Weight	Capacity
0700-0703	165 mm 6.1/2"	540 g	90 - 175 mm 3.1/2 - 7"

No. 70/3

Infinitely adjustable with clamping wrench, special spring steel, tightening strap blue, ties white, lock and spanner bright nickel plated.

Application field: motor vehicle pistons.



Order No.	Length	Weight	Capacity
0710-1701	80 mm 3"	245 g	57 - 125 mm 2.1/4 - 5"

No. 71/1

0710-1711	100mm 4"	265 g	57 - 125 mm 2.1/4 - 5"
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No. 71/1a

0710-1702	80 mm 3"	285 g	90 - 175 mm 3.1/2 - 7"
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No. 71/2

0710-1721	100 mm 4"	310 g	90 - 175 mm 3.1/2 - 7"
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No. 71/2a

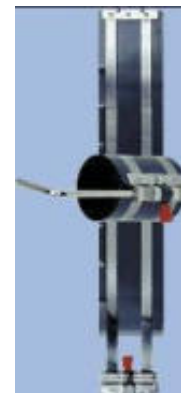
0710-1703	165 mm 4"	540 g	90 - 175 mm 3.1/2 - 7"
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No. 71/3

open model

Infinitely adjustable with clamping wrench, special spring steel, tightening strap blue, ties white, lock and spanner bright nickel plated.

Application field: motor vehicle pistons.



005

HERMANN JAEGER GMBH - HAMBURG / GERMANY

STRAP-WRENCH

Order No.	Length	Weight	Capacity	
0740-0741	230 mm 9"	285 g	160 mm 6.1/2"	No. 74/1
0740-0742	230 mm 9"	310 g	240 mm 9.1/2"	
Order No.	Replacement strap			
0740-0743	Nr. 0749-0741 730 mm (28.3/4") / 70 g			No. 74/1E
0740-0744	Nr. 0749-0742 920 mm (36.1/4") / 90 g			No. 74/2E

Bright nickel plated, non-slip textile strap, plastic-coated handle.

Application field: motor vehicle, bathroom area



Order No.	Length	Weight	Capacity	No. 74/5
0740-0745	280 mm 11"	440 g	280 mm 11"	
Order No.	Replacement strap			
0740-0745	Nr. 0749-0745 1000 mm (39.1/2") / 100 g			No. 74/5E

Chromium-plating, with forged handle made of chrome-vanadium-steel, heavy model, with non-slip textile strap.

Application field: ideal for trucks and construction machinery.



FILTER-WRENCH

Order No.	Length	Weight	Capacity	
0760-0765	230 mm 9"	465 g	70 - 75 mm 2.3/4 - 3"	No. 76/5
0760-0766	240 mm 9.1/2"	475 g	85 - 95 mm 3.1/3-3.3/4"	

Hinged handle black

Order No.	Length	Weight	Capacity	
0760-0767	230 mm 9"	470 g	65 - 80 mm 2.1/2-3.5/32"	No. 76/7

Hinged handle black

Order No.	Length	Weight	Capacity	
0760-0768	250 mm 10"	505 g	75 - 110 mm 3 - 4.5/16"	No. 76/8

Hinged handle black.

Order No.	Length	Weight	Capacity	
0760-0775	210 mm 8.1/4"	280 g	70 - 75 mm 2.3/4 - 3"	No. 77/5
0760-0776	220 mm 8.5/8"	285 g	85 - 95 mm 3.1/3-3.3/4"	

Standard handle red

Order No.	Length	Weight	Capacity	Toothing	
0760-0773	210 mm 8.1/4"	285 g	65 - 80 mm 2.1/2-3.5/32"	5	No. 77/3
0760-0774	230 mm 9"	320 g	75-110 mm 3 - 4.5/16"	7	

Standard handle red.



006

HERMANN JAEGER GMBH - HAMBURG / GERMANY

FILTER-WRENCH

Order No.	Length	Weight	Capacity	Toothings
0760-0771	140 mm	185 g	65 - 80 mm	5
	5.1/2"		2.1/2-3.5/32"	No. 77/1
0760-0772	160mm	220 g	80-110 mm	7
	6.1/4"		3.5/32-4.5/16"	No. 77/2

With 1/2"-square drive



Order No.	Length	Weight	Capacity	
0760-0761	130 mm	205 g	60 - 80 mm	No. 76/1
	5.1/8"		2.3/8-3.5/32"	
0760-0762	150mm	215 g	70-110 mm	No. 76/2
	5.7/8"		2.3/4-4.5/16"	

Bright nickel plated, with 1/2"-square drive



Order No.	Length	Weight	Capacity	
0760-0763	220 mm	305 g	60 - 80 mm	No. 76/3
	8.5/8"		2.3/8 - 3.5/32"	
0760-0764	240 mm	325 g	70-110 mm	No. 76/4
	9.1/2"		2.3/4 - 4.5/16"	

Bright nickel plated, with plastic-coated handle



REVOLVING PUNCH

Order No.	Length	Weight		
0910-3500	225mm	260 g	bright	No. 351
	9"			
0910-3501	225mm	260 g	bright nickel-plated	
	9"			
0910-3505	225mm	260 g	powder-coated	
	9"			



Additional hole diameter indicator, automatic lock function, exchangeable tubes Ø 2,0/ 2,5/ 3,0/ 3,5/ 4,0/ 4,5 mm, illustration nickel-plated. Finishes: bright, zink-plated, powder-coated, chrome-plated.



Order No.	Length	Weight		No. 351
0910-3509	225mm	325 g	Handles plastic-coated / red	
	9"			

Bright nickel-plated



REVOLVING PUNCH AND EYELET PLIER

Order No.	Length	Weight		
0920-3601	225 mm	324 g	Handles plastic-coated / red	No. 360
	9"			
	Eyelets	100 piece		
0920-3620	'A' 19g	iron nickel-plated		
0920-3620	'B' 22g	iron nickel-plated		
0920-3620	'C' 28g	iron nickel-plated		
0920-3620	'A' 22g	polished brass		
0920-3620	'B' 28g	polished brass		
0920-3620	'C' 31g	polished brass		

Automatic lock function, nickel-plated, ergonomical shaped plastic-handles.



007

HERMANN JAEGER GMBH - HAMBURG / GERMANY

LEVER ACTION-REVOLVING PUNCH PLIER

Order No.	Length	Weight
0930-3701	250 mm 10"	430 g

No. 370



Additional hole diameter indicator, nickel-plated, ergonomical shaped plastic-handles, exchangeable tubes Ø 2,0-4,5 mm
70% less force.

ACCESSORY PARTS

Order No. 0950-3750	Safety-tube-exchanger
Order No. 0950-3761	Tube-exchange-set 2,0/2,5/3,0/3,5/4,0/4,5 mm
Order No. 0950-3762	Tube-enlargement-set 1,0/1,5/5,0/5,5/6,0 mm

No. 375



exchanger, extended application range (patent).

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Double open-ended Spanners, CV-steel, DIN 3110



WIESEMANN

MADE IN GERMANY

No. 200



5,5 x 7	125	20	10
6 x 7	125	22	10
7 x 8	138	29	10
7 x 9	140	38	10
8 x 9	138	30	10
8 x 10	145	38	10
9 x 11	155	51	10
10 x 11	155	46	10
10 x 12	155	48	10
11 x 13	162	58	10
11 x 13	172	65	10
12 x 13	170	64	10
12 x 14	170	69	10
13 x 14	180	79	10
13 x 15	187	86	10
13 x 17	192	107	10
14 x 15	188	87	10
14 x 17	195	93	10
16 x 17	200	116	10
16 x 18	200	119	10
17 x 19	215	154	10
18 x 19	215	149	10
19 x 22	230	196	10
19 x 24	220	234	10
20 x 22	230	188	10
21 x 23	240	224	10
22 x 24	245	254	10
24 x 26	260	294	10
24 x 27	260	320	10
25 x 28	275	356	10
27 x 29	295	460	10
27 x 30	295	456	10
27 x 32	295	440	10
30 x 32	315	460	10
30 x 36	325	714	5
32 x 36	325	674	5
36 x 41	360	984	5

Sets in carton / Sets in plastic wallet

6 pcs.	8 pcs.	12 pcs.
6 x 7	6 x 7	6 x 7
8 x 9	8 x 9	8 x 9
10 x 11	10 x 11	10 x 11
12 x 13	12 x 13	12 x 13
14 x 15	14 x 15	14 x 15
16 x 17	16 x 17	16 x 17
	18 x 19	18 x 19
	20 x 22	20 x 22
		21 x 23
		24 x 26
		25 x 28
		27 x 32

Sets in display carton

8 pcs.
6 x 7
8 x 9
10 x 11
12 x 13
14 x 15
16 x 17
18 x 19
20 x 22



009

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Double open-ended Spanners, CV-steel, DIN 3110



WIESEMANN
MADE IN GERMANY

1/4 x 5/16	145	35	10
5/16 x 3/8	140	30	10
3/8 x 7/16	156	44	10
7/16 x 1/2	170	65	10
1/2 x 9/16	170	70	10
9/16 x 5/8	185	100	10
19/32 x 11/16	190	84	10
5/8 x 11/16	200	127	10
5/8 x 3/4	215	154	10
3/4 x 7/8	230	216	10
13/16 x 7/8	230	216	10
15/16 x 1	265	308	10
1.1/16 x 1.1/4	290	478	10

No. 200



Sets in carton

6 pcs.

8 pcs.

3/8 x 7/16	1/4 x 5/16
1/2 x 9/16	3/8 x 7/16
19/32 x 11/16	1/2 x 9/16
5/8 x 3/4	19/32 x 11/16
13/16 x 7/8	5/8 x 3/4
15/16 x 1	13/16 x 7/8
	15/16 x 1
	1.1/16 x 1.1/4



Double-offset Ringspanners, CV-steel, DIN 838

Sets in carton / Sets in plastic wallet

6 pcs.

8 pcs.

12 pcs.

6 x 7	6 x 7	6 x 7
8 x 9	8 x 9	8 x 9
10 x 11	10 x 11	10 x 11
12 x 13	12 x 13	12 x 13
14 x 15	14 x 15	14 x 15
16 x 17	16 x 17	16 x 17
	18 x 19	18 x 19
	20 x 22	20 x 22
		21 x 23
		24 x 26
		25 x 28
		27 x 32

Sets in display carton

8 pcs.

6 x 7
8 x 9
10 x 11
12 x 13
14 x 15
16 x 17
18 x 19
20 x 22

No. 100



Sets in carton

6 pcs.

8 pcs.

3/8 x 7/16	1/4 x 5/16
1/2 x 9/16	3/8 x 7/16
19/32 x 11/16	1/2 x 9/16
5/8 x 3/4	19/32 x 11/16
13/16 x 7/8	5/8 x 3/4
15/16 x 1	13/16 x 7/8
	15/16 x 1
	1.1/16 x 1.1/4



010

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Double-offset Ringspanners, CV-steel, DIN 838



6 x 7	180	46	10
7 x 8	180	52	10
8 x 9	195	68	10
8 x 10	190	65	10
9 x 10*	205	81	10
9 x 11	205	89	10
10 x 11	205	81	10
10 x 12	225	110	10
10 x 13	225	100	10
11 x 13*	225	120	10
11 x 14	225	120	10
12 x 13	225	115	10
12 x 14	225	115	10
13 x 14	230	149	10
13 x 15	230	152	10
13 x 17	250	171	10
14 x 15	235	144	10
14 x 17	245	182	10
16 x 17	255	194	10
16 x 18	260	202	10
17 x 19	295	238	10
18 x 19	295	234	10
19 x 22	305	296	10
19 x 24	315	318	10
20 x 22	305	288	10
21 x 23	320	334	10
22 x 24	315	332	10
24 x 26	340	448	10
24 x 27	340	444	10
24 x 30	350	558	10
25 x 28	350	534	10
27 x 30	355	570	10
27 x 32	370	604	10
30 x 32	370	592	10
30 x 36	410	852	5
32 x 36	410	822	5
36 x 41	455	1192	5
1/4 x 5/16	180	54	10
5/16 x 3/8	190	65	10
3/8 x 7/16	200	72	10
7/16 x 1/2	215	101	10
1/2 x 9/16	235	137	10
9/16 x 5/8	250	190	10
19/32 x 11/16	255	192	10
5/8 x 11/16	255	198	10
5/8 x 3/4	280	236	10
3/4 x 7/8	305	320	10
13/16 x 7/8	300	294	10
15/16 x 1	335	466	10
1.1/16x1.1/4	370	504	10

No. 100



INCH Sizes

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Double-offset Ringspanners, CV-steel, DIN 837



6 x 7	95	12	10
8 x 9	110	22	10
10 x 11	120	33	10
12 x 13	140	48	10
14 x 15	150	56	10
16 x 17	165	70	10
17 x 19	180	93	10
18 x 19	180	86	10
19 x 22	200	110	10
20 x 22	200	110	10
21 x 23	210	140	10
24 x 27	250	216	10
25 x 28	260	262	10
30 x 32	290	330	10
32 x 36	335	362	5



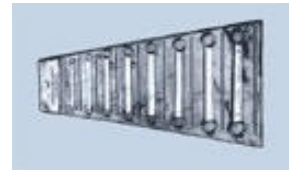
No. 140

Sets in carton / Sets in plastic wallet

6 pcs.

8 pcs.

6 x 7	6 x 7
8 x 9	8 x 9
10 x 11	10 x 11
12 x 13	12 x 13
14 x 15	14 x 15
17 x 19	16 x 17
	18 x 19
	20 x 22



Double-offset Ringspanners, bi-hexagonal CV-steel



6 x 7	115	30	10
8 x 9	130	38	10
10 x 11	150	54	10
12 x 13	170	68	10
14 x 15	190	111	10
16 x 17	220	133	10
18 x 19	250	202	10
20 x 22	280	274	10
21 x 23	285	320	10
24 x 26	300	360	10
25 x 28	325	480	10
27 x 32	340	500	10

No. 150



Sets in carton / Sets in plastic wallet

6 pcs.

8 pcs.

12 pcs.

6 x 7	6 x 7	6 x 7	21 x 23
8 x 9	8 x 9	8 x 9	24 x 26
10 x 11	10 x 11	10 x 11	25 x 28
12 x 13	12 x 13	12 x 13	27 x 32
14 x 15	14 x 15	14 x 15	
16 x 17	16 x 17	16 x 17	
	18 x 19	18 x 19	
	20 x 22	20 x 22	



012

HERMANN JAEGER GMBH - HAMBURG / GERMANY

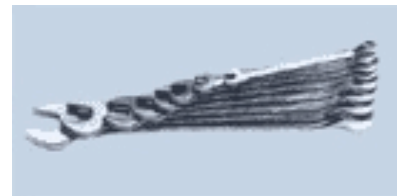
Combination spanners, CV-steel, DIN 3113-B



MADE IN GERMANY

6	110	17	10
7	120	22	10
8	130	28	10
9	140	31	10
10	150	36	10
11	160	54	10
12	170	65	10
13	175	71	10
14	185	80	10
15	195	93	10
16	225	119	10
17	210	130	10
18	235	142	10
19	250	196	10
20	270	210	10
21	285	248	10
22	295	262	10
23	295	260	5
24	330	386	5
25	355	418	5
26	355	404	5
27	360	438	5
28	360	444	5
29	395	626	5
30	395	626	5
32	435	722	5
1/4	110	19	10
5/16	130	29	10
3/8	145	42	10
7/16	160	50	10
1/2	170	74	10
9/16	185	86	10
19/32	195	100	10
5/8	210	121	10
11/16	220	130	10
3/4	250	192	10
13/16	280	252	10
7/8	295	268	10
15/16	330	390	5
1	360	432	5
1,1/16	360	444	5
1.1/8	395	638	5
1.1/4	440	762	5

No. 300



INCH sizes



Sets in carton

06-22 mm **12 pcs.** 6 -14, 17, 19, 22
 06-22 mm **17 pcs.** 6 - 22
 06-32 mm **25 pcs.** 6 - 28, 30, 32

Sets in carton

3/8 - 7/8

8 pcs. 3/8, 7/16, 1/2, 9/16
 5/8, 11/16, 3/4, 7/8

1/4 - 1/2

12 pcs. 1/4, 5/16, 3/8, 7/16,
 1/2, 9/16, 5/8, 11/16,
 3/4, 7/8, 15/16, 1

Sets in plastic wallet

08-17 mm **6 pcs.** 8, 10, 11, 13, 15, 17
 08-19 mm **8 pcs.** 8, 9, 10, 11, 13, 15, 17, 19
 06-22 mm **12 pcs.** 6, 8 - 15, 17, 19, 22
 06-22 mm **12 pcs.** 6 - 11, 13, 14, 15, 17, 19, 22

013

HERMANN JAEGER GMBH - HAMBURG / GERMANY

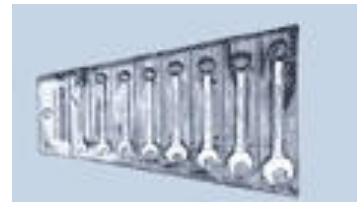
Combination spanners, CV-steel, DIN 3113-A, ring side 15° offset



MADE IN GERMANY

6	100	15	10
7	110	19	10
8	120	23	10
9	130	26	10
10	140	37	10
11	150	42	10
12	160	56	10
13	170	63	10
14	180	74	10
15	190	90	10
16	200	100	10
17	210	120	10
18	220	149	10
19	230	168	10
20	250	180	10
21	250	200	10
22	270	228	10
23	270	282	5
24	290	324	5
25	290	312	5
26	310	412	5
27	310	390	5
28	310	432	5
29	340	500	5
30	340	510	5
32	370	566	5
34	420	820	5
36	450	1015	5
38	450	1015	5
41	480	1325	5
1/4	100	14	10
5/16	120	23	10
3/8	130	31	10
7/16	150	42	10
1/2	170	65	10
9/16	180	73	10
19/32	175	75	10
5/8	200	113	10
11/16	210	129	10
3/4	320	163	10
13/16	250	210	10
7/8	270	256	10
15/16	290	308	10
1	290	362	10
1.1/16	310	452	10
1.1/8	310	392	10
1.1/4	370	590	10

No. 350



INCH sizes



Sets in carton **6 pcs.** 3/8-3/4
3/8, 7/16, 1/2, 9/16, 5/8, 3/4

Sets in carton **8 pcs.** 1/4-3/4
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4

Sets in carton **12 pcs.** 1/4-1.1/4
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4
7/8, 1, 1.1/16, 1.1/4

Sets in carton / Sets in plastic wallet

08-19 mm **6 pcs.** 8, 10, 11, 13, 17, 19
08-22 mm **8 pcs.** 8, 10, 11, 13, 14, 17, 19, 22
06-22 mm **12 pcs.** 6 - 14, 17, 19, 22
06-32 mm **12 pcs.** 6, 8, 10, 13, 14, 17, 19, 22, 24, 27, 30, 32

Sets in display carton

08^22 mm **8 pcs.** 8, 10, 11, 13, 14, 17, 19, 22

014

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Slogging ring wrench, DIN 7444, drop forged steel, grey



22	165	230	1
24	165	230	1
27	180	320	1
30	190	360	1
32	190	360	1
36	205	500	1
41	230	700	1
46	240	950	1
50	255	1100	1
55	270	1360	1
60	280	1600	1
65	300	2100	1
70	330	2800	1
75	330	2700	1
80	360	3900	1
85	360	3600	1
90	390	5400	1
95	390	4900	1
100	420	6200	1
105	420	6000	1
110	450	8600	1
115	450	8100	1
120	480	9550	1
125	480	9700	1
130	520	13200	1
135	520	12900	1
140	520	13800	1
145	580	19500	1
150	580	18200	1
155	580	17600	1
160	580	19000	1
165	650	28600	1
170	650	28000	1
175	650	27400	1
180	650	26300	1
185	700	33000	1
190	700	32500	1
195	700	32000	1
200	700	31500	1

No. 600



Other sizes up to 235 mm as well as AF- or W-size upon request

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Open jaw slogging wrench, DIN 133, drop forged steel, grey



24	180	300	1
27	180	300	
30	190	400	1
32	190	500	1
36	215	700	1
41	235	900	1
46	255	1200	1
50	275	1500	1
55	300	1900	1
60	320	2600	1
65	340	3300	1
70	375	4200	1
75	375	4100	1
80	408	6000	1
85	408	5900	1
90	445	7800	1
95	445	7700	1
100	485	11700	1
105	485	11500	1
110	510	14100	1
115	510	13300	1
120	545	16400	1
125	545	15500	1
130	575	19800	1
135	575	19200	1
140	575	19000	1
145	640	27300	1
150	640	27100	1
155	640	27000	1
160	640	26500	1
165	715	40000	1
170	715	39000	1
175	715	38000	1
180	715	37000	1
185	715	36800	1
190	800	39500	1
195	800	39000	1
200	800	38500	1
205	800	38000	1
210	810	38020	1



No. 610



Other sizes MM- as well as AF- or W-size upon request



Hexagon

All tools are manufactured from high quality chrome-vanadium steel (59 Cr-Mo-V4) - with a black or nickel plated (on a copper flash) finish.

HaFu Ballpoint are also available with a chrome-plated finish.

Manufactured only to recognised ISO specifications (ISO 2936, ISO 2936L, DIN 6911)

The very latest manufacturing technology ensures HaFu tools conform to the highest dimensional accuracy.

Chamfered version: the entire head of the tool is machined for maximum accuracy.

High quality Hexagon Key Wrenches incorporating the HaFu-Ballpoint.

Sets of HaFu profiles are available in FABLIX®, FABLIX DUO®, FOLDEX®, FOLDEX DUO® holders, as well as the new HaFu point-of-sale box and many other arrangements.



TORX®



TAMPER-TORX®

As an authorised licensee, HaFu produces all TORX®-Tools from the original blueprints and references gauges of Camcar Textron USA. By adopting their most up-to-the-minute standards, we guarantee the performance and precision of these tools.

Tamper-TORX®-Keys with a drilled hole – for securing with a locking pin.

HaFu combines years of experience – producing the established range of TORX®-Tools – with manufacture of the very latest series of TORX®-Ballpoint products.



Multi-Spline Key

XZN-Wrenches conforming to DIN ISO 65253.

This profile is designed specifically for screws subjected to high torsional stress.



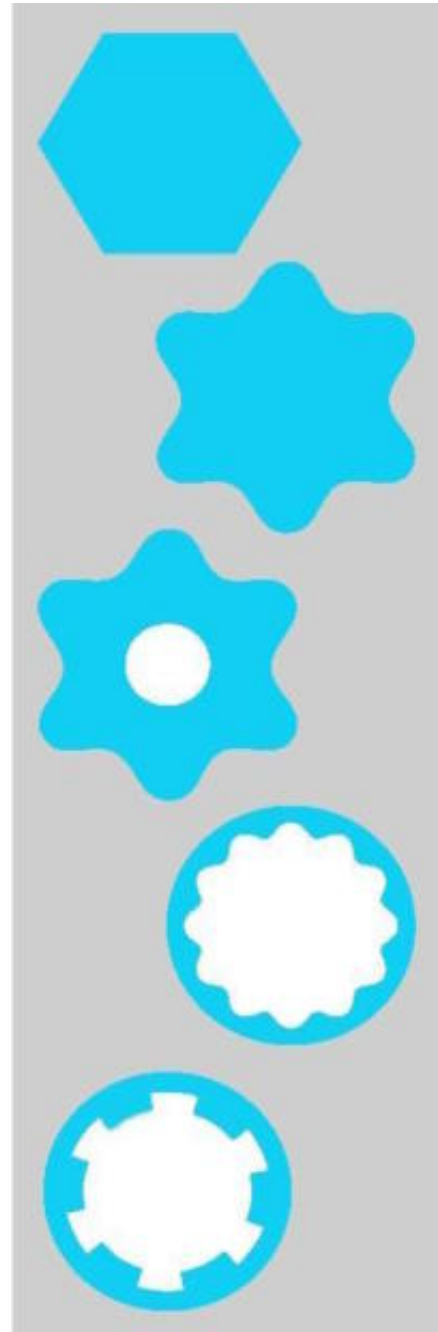
Spline Key

Ribe-Spline Key

Special Tools

Working directly from blueprints, HaFu manufactures a wide variety of special tools – both hexagon and round profiles.

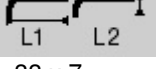
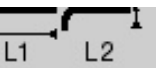
Reduction; double bending; special surfaces.





200 Hexagon Key Wrenches ISO 2936

Chrome-Vanadium-Steel (59 Cr-Mo-V4)

Order-No. black	Order-No. nickel pl.	 mm	 L1 L2	
200-007-01		0.7	33 x 7	100
200-009-01		0.9	33 x 11	100
200-015-01	200-015-02	1.5	46.5 x 15.5	100
200-020-01	200-020-02	2	52 x 18	100
200-025-01	200-025-02	2.5	58.5 x 20.5	100
200-030-01	200-030-02	3	66 x 23	100
200-035-01	200-035-02	3.5	69.5 x 25.5	100
200-040-01	200-040-02	4	74 x 29	100
200-045-01	200-045-02	4.5	80 x 30.5	100
200-050-01	200-050-02	5	85 x 33	100
200-055-01	200-055-02	5.5	90.5 x 35.5	100
200-060-01	200-060-02	6	96 x 38	100
200-070-01	200-070-02	7	102 x 41	50
200-080-01	200-080-02	8	108 x 44	50
200-090-01	200-090-02	9	114 x 47	25
200-100-01	200-100-02	10	122 x 50	25
200-110-01	200-110-02	11	129 x 53	25
200-120-01	200-120-02	12	137 x 57	25
200-130-01	200-130-02	13	145 x 63	20
200-140-01	200-140-02	14	154 x 70	20
200-150-01	200-150-02	15	161 x 73	20
200-160-01	200-160-02	16	168 x 76	10
200-170-01	200-170-02	17	177 x 80	10
200-180-01	200-180-02	18	188 x 84	10
200-190-01	200-190-02	19	199 x 89	10
200-200-01	200-200-02	20	200 x 90	5
200-210-01	200-210-02	21	211 x 96	5
200-220-01	200-220-02	22	222 x 102	5
200-240-01	200-240-02	24	248 x 114	bulk
200-270-01	200-270-02	27	277 x 127	bulk
200-300-01	200-300-02	30	315 x 142	bulk
200-320-01	200-320-02	32	347 x 157	bulk
200-360-01	200-360-02	36	391 x 176	bulk
200-410-01		41	442 x 194	bulk
200-460-01		46	490 x 212	bulk
200-500-01		50	570 x 230	bulk
200-550-01		55	605 x 235	bulk
Order-No. black	Order-No. nickel pl. SB-packed	 mm	 L1 L2	
200-015-81	200-015-82	1.5	46.5 x 15.5	10
200-020-81	200-020-82	2	52 x 18	10
200-025-81	200-025-82	2.5	58.5 x 20.5	10
200-030-81	200-030-82	3	66 x 23	10
200-040-81	200-040-82	4	74 x 29	10
200-050-81	200-050-82	5	85 x 33	10
200-060-81	200-060-82	6	96 x 38	10
200-070-81	200-070-82	7	102 x 41	5
200-080-81	200-080-82	8	108 x 44	5
200-100-81	200-100-82	10	122 x 50	5
200-120-81	200-120-82	12	137 x 57	5



200 Hexagon Key Wrenches ISO 2936

Chrome-Vanadium-Steel (59 Cr-Mo-V4)

Order-No. black	Order-No. nickel pl.	A.F. = mm	L1 L2	
200-028-51		0.28 = 0.7	33 x 7	100
200-035-51		0.35 = 0.9	33 x 11	100
200-364-51	200-364-52	3/64 = 1.19	41 x 13	100
200-005-51	200-005-52	0.05 = 1.27	41 x 13	100
200-116-51	200-116-52	1/16 = 1.59	47 x 16	100
200-564-51	200-564-52	5/64 = 1.98	52 x 18	100
200-332-51	200-332-52	3/32 = 2.38	58 x 20	100
200-764-51	200-764-52	7/64 = 2.77	66 x 23	100
200-180-51	200-180-52	1/8 = 3.18	66 x 23	100
200-964-51	200-964-52	9/64 = 3.57	72 x 26	100
200-532-51	200-532-52	5/32 = 3.97	74 x 29	100
200-316-51	200-316-52	3/16 = 4.76	85 x 33	100
200-732-51	200-732-52	7/32 = 5.56	91 x 36	100
200-140-51	200-140-52	1/4 = 6.35	96 x 38	100
200-932-51	200-932-52	9/32 = 7.14	102 x 42	50
200-516-51	200-516-52	5/16 = 7.94	108 x 44	50
200-113-51	200-113-52	11/32 = 8.73	114 x 47	50
200-380-51	200-380-52	3/8 = 9.53	122 x 50	25
200-716-51	200-716-52	7/16 = 11.11	130 x 53	25
200-120-51	200-120-52	1/2 = 12.70	145 x 63	20
200-916-51	200-916-52	9/16 = 14.29	154 x 69	20
200-580-51	200-580-52	5/8 = 15.88	176 x 76	10
200-340-51	200-340-52	3/4 = 19.05	199 x 89	10
200-780-51	200-780-52	7/8 = 22.20	222 x 102	5
200-100-51	200-100-52	1 = 25.40	275 x 125	bulk

Order-No. black	Order-No. nickel pl.	A.F. = mm	L1 L2	
SB-packed				
200-116-91	200-116-92	1/16 = 1.59	47 x 16	10
200-564-91	200-564-92	5/64 = 1.98	52 x 18	10
200-332-91	200-332-92	3/32 = 2.38	58 x 20	10
200-180-91	200-180-92	1/8 = 3.18	66 x 23	10
200-532-91	200-532-92	5/32 = 3.97	74 x 29	10
200-316-91	200-316-92	3/16 = 4.76	85 x 33	10
200-732-91	200-732-92	7/32 = 5.56	91 x 36	10
200-140-91	200-140-92	1/4 = 6.35	96 x 38	10
200-516-91	200-516-92	5/16 = 7.94	108 x 44	5
200-380-91	200-380-92	3/8 = 9.53	122 x 50	5
200-120-91	200-120-92	1/2 = 12.70	145 x 63	5

200 Hexagon Key Wrenches ISO 2936

Chrome-Vanadium-Steel (59 Cr-Mo-V4)

Order-No. black	Order-No. nickel pl.		Series 225
225-166-01	225-166-02	2-6 mm	2-2.5-3-4-5-6 = 6-pce.
225-180-01	225-180-02	2-10 mm	2-2.5-3-4-5-6-8-10 = 8-pce.

Order-No. black	Order-No. nickel pl.		Series 230
230-166-01	230-166-02	2-6 mm	2-2.5-3-4-5-6 = 6-pce.
230-180-01	230-180-02	2-10 mm	2-2.5-3-4-5-6-8-10 = 8-pce.
230-104-01	230-104-02	2-14 mm	2-2.5-3-4-5-6-8-10-12-14 = 10-pce.

Order-No. black	Order-No. nickel pl.		Series 231
231-180-01	231-180-02	2-10 mm	2-2.5-3-4-5-6-8-10 = 8-pce.



Hexagon - inch

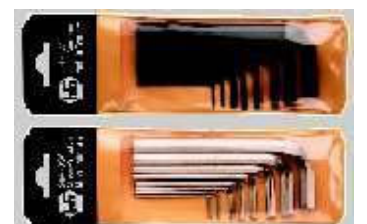
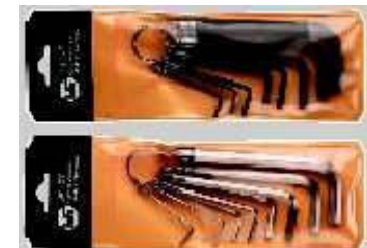
200 Hexagon Key Wrenches ISO 2936

Chrome-Vanadium-Steel (59 Cr-Mo-V4)

Order-No. black	Order-No. nickel pl.		Series 225
225-264-51	225-264-52	5/64-1/4"	5/64-3/32-1/8-5/32-3/16-1/4 = 6-pce.
225-288-51	225-288-52	5/64-3/8"	5/64-3/32-1/8-5/32-3/16-1/4-5/16-3/8 = 8-pce.

Order-No. black	Order-No. nickel pl.		Series 230
230-284-51	230-284-52	0.05-1/4"	0.05-1/16-5/64-3/32-1/8-5/32-3/16-1/4 = 8-pce.
230-208-51	230-208-52	0.05-3/8"	0.05-1/16-5/64-3/32-1/8-5/32-3/16-1/4-5/16-3/8 = 10-pce.

Order-No. black	Order-No. nickel pl.		Series 231
231-288-51	231-288-52	5/64-3/8"	5/64-3/32-1/8-5/32-3/16-1/4-5/16-3/8 = 8-pce.



HERMANN JAEGER GMBH - HAMBURG / GERMANY



Hexagon - metric



Series 207



Series 208



Series 235



Series 238

Hexagon - inch



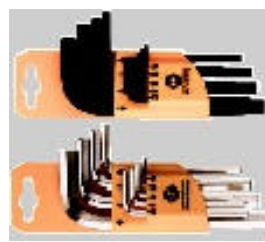
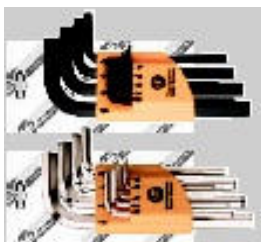
Series 207



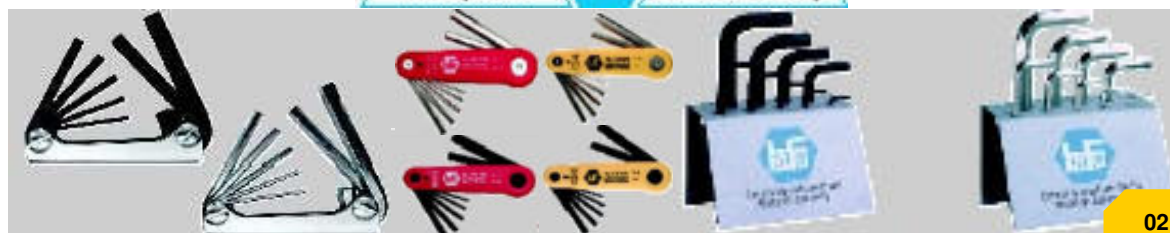
Series 208



Series 235



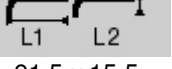
Series 238

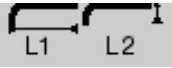


021

210 Hexagon Key Wrenches ISO 2936 L, extra long

Chrome-Vanadium-Steel (59 Cr-Mo-V4)

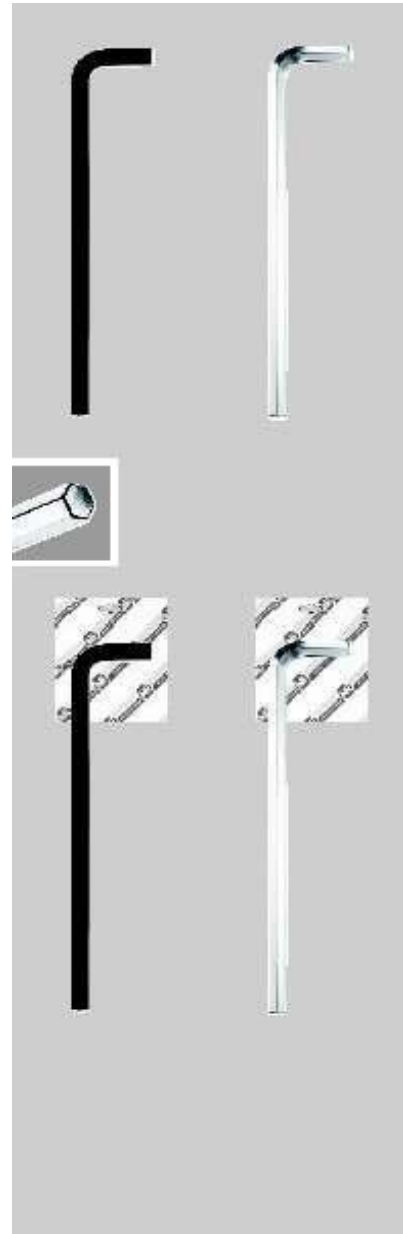
Order-No. black	Order-No. nickel pl.	 mm	 L1 L2	
210-015-01	210-015-02	1.5	91.5 x 15.5	50
210-020-01	210-020-02	2	102 x 18	50
210-025-01	210-025-02	2.5	114.5 x 20.5	50
210-030-01	210-030-02	3	129 x 23	50
210-035-01	210-035-02	3.5	140 x 25.5	50
210-040-01	210-040-02	4	144 x 29	50
210-045-01	210-045-02	4.5	156 x 30.5	50
210-050-01	210-050-02	5	165 x 33	50
210-055-01	210-055-02	5.5	175 x 35.5	50
210-060-01	210-060-02	6	186 x 38	50
210-070-01	210-070-02	7	197 x 41	25
210-080-01	210-080-02	8	208 x 44	25
210-090-01	210-090-02	9	219 x 47	25
210-100-01	210-100-02	10	234 x 50	25
210-110-01	210-110-02	11	247 x 53	10
210-120-01	210-120-02	12	262 x 57	10
210-130-01	210-130-02	13	277 x 63	10
210-140-01	210-140-02	14	294 x 70	10
210-170-01	210-170-02	17	337 x 80	5
210-190-01	210-190-02	19	379 x 89	5
210-220-01	210-220-02	22	422 x 102	5
210-240-01	210-240-02	24	472 x 114	bulk
210-270-01	210-270-02	27	527 x 127	bulk

Order-No. black	Order-No. nickel pl.	 mm	 L1 L2	
SB-packed				
210-015-81	210-015-82	1.5	91.5 x 15.5	10
210-020-81	210-020-82	2	102 x 18	10
210-025-81	210-025-82	2.5	114.5 x 20.5	10
210-030-81	210-030-82	3	129 x 23	10
210-040-81	210-040-82	4	144 x 29	10
210-050-81	210-050-82	5	165 x 33	10
210-060-81	210-060-82	6	186 x 38	10
210-070-81	210-070-82	7	197 x 41	5
210-080-81	210-080-82	8	208 x 44	5
210-100-81	210-100-82	10	234 x 50	5
210-120-81	210-120-82	12	262 x 57	5

210 Hexagon Key Wrenches ISO 2936 L, extra long

Chrome-Vanadium-Steel (59 Cr-Mo-V4)

Order-No. black	Order-No. nickel pl.		Series 213
213-166-01	213-166-02	2-6 mm	2-2.5-3-4-5-6 = 6-pce.
213-180-01	213-180-02	2-10 mm	2-2.5-3-4-5-6-8-10 = 8-pce.



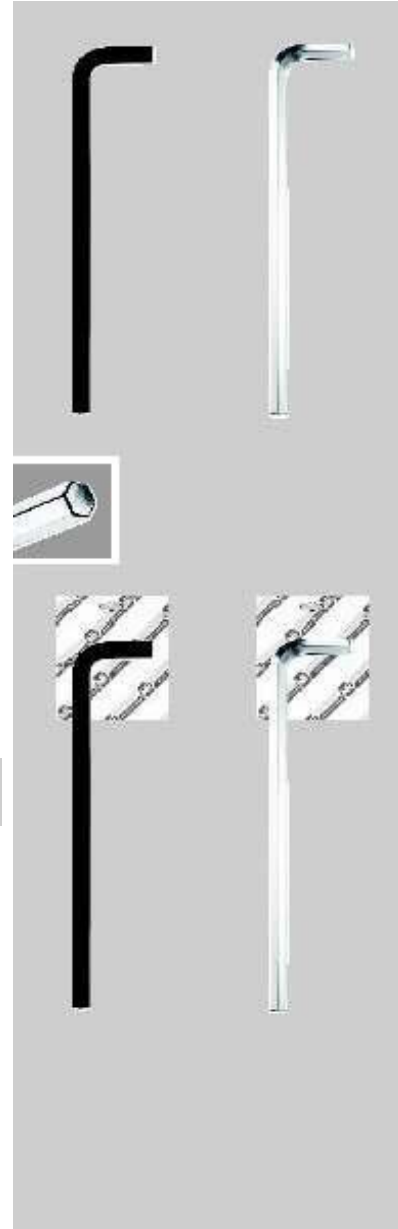


210 Hexagon Key Wrenches ISO 2936 L, extra long

Chrome-Vanadium-Steel (59 Cr-Mo-V4)

Order-No. black	Order-No. nickel pl.	A.F. = mm	L1	L2	
210-116-51	210-116-52	1/16 = 1.59	92 x 16		50
210-564-51	210-564-52	5/64 = 1.98	102 x 18		50
210-332-51	210-332-52	3/32 = 2.38	114 x 20		50
210-180-51	210-180-52	1/8 = 3.18	129 x 23		50
210-964-51	210-964-52	9/64 = 3.57	140 x 26		50
210-532-51	210-532-52	5/32 = 3.97	144 x 29		50
210-316-51	210-316-52	3/16 = 4.76	165 x 33		50
210-732-51	210-732-52	7/32 = 5.56	176 x 36		50
210-140-51	210-140-52	1/4 = 6.35	186 x 38		50
210-932-51	210-932-52	9/32 = 7.14	207 x 42		25
210-516-51	210-516-52	5/16 = 7.94	208 x 44		25
210-113-51	210-113-52	11/32 = 8.73	233 x 47		25
210-380-51	210-380-52	3/8 = 9.53	234 x 50		25
210-716-51	210-716-52	7/16 = 11.11	261 x 53		10
210-120-51	210-120-52	1/2 = 12.70	293 x 63		10
210-916-51	210-916-52	9/16 = 14.29	294 x 69		10
210-580-51	210-580-52	5/8 = 15.88	336 x 76		5
210-340-51	210-340-52	3/4 = 19.05	379 x 89		5
210-780-51	210-780-52	7/8 = 22.20	422 x 102		5
210-100-51	210-100-52	1 = 25.40	525 x 125		bulk

Order-No. black	Order-No. nickel pl.	A.F. = mm	L1	L2	
SB-packed					
210-116-91	210-116-92	1/16 = 1.59	92 x 16		10
210-564-91	210-564-92	5/64 = 1.98	102 x 18		10
210-332-91	210-332-92	3/32 = 2.38	114 x 20		10
210-180-91	210-180-92	1/8 = 3.18	129 x 23		10
210-532-91	210-532-92	5/32 = 3.97	144 x 29		10
210-316-91	210-316-92	3/16 = 4.76	165 x 33		10
210-732-91	210-732-92	7/32 = 5.56	176 x 36		10
210-140-91	210-140-92	1/4 = 6.35	186 x 38		10
210-516-91	210-516-92	5/16 = 7.94	208 x 44		5
210-380-91	210-380-92	3/8 = 9.53	234 x 50		5
210-120-91	210-120-92	1/2 = 12.70	293 x 63		5



210 Hexagon Key Wrenches ISO 2936 L, extra long

Chrome-Vanadium-Steel (59 Cr-Mo-V4)

Order-No. black	Order-No. nickel pl.		Series 213
213-264-51	213-264-52	5/64-1/4"	5/64-3/32-1/8-5/32-3/16-1/4 = 6-pce.
213-288-51	213-288-52	5/64-3/8"	5/64-3/32-1/8-5/32-3/16-1/4-5/16-3/8 = 8-pce.



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HERMANN JAEGER GMBH - HAMBURG / GERMANY



Series 211



Series 224



Series 214



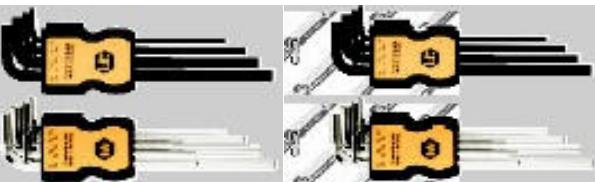
Series 217



Series 218



Series 211



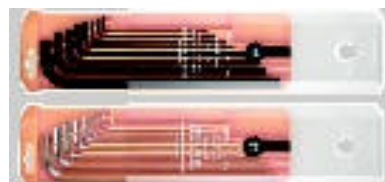
Series 224



Series 214



Series 217



Series 218

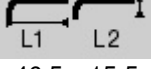


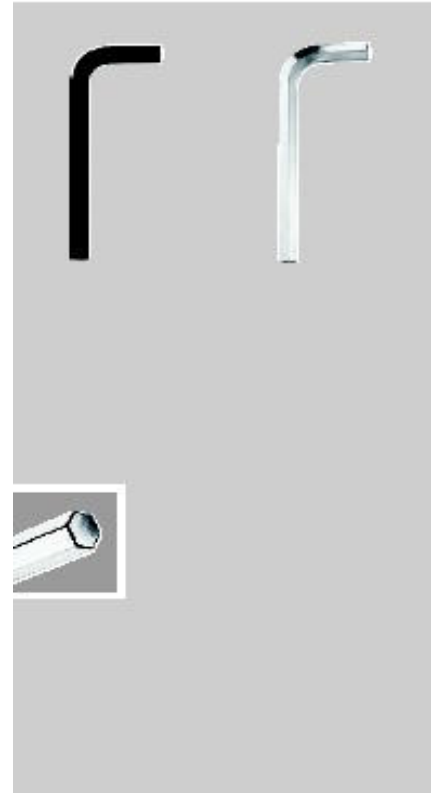
Series 241



250 Hexagon Key Wrenches ISO 2936

Special steel

Order-No. black	Order-No. nickel pl.	 mm	 L1 L2	
250-015-01	250-015-02	1.5	46.5 x 15.5	100
250-020-01	250-020-02	2	52x18	100
250-025-01	250-025-02	2.5	58.5 x 20.5	100
250-030-01	250-030-02	3	66 x 23	100
250-035-01	250-035-02	3.5	69.5 x 25.5	100
250-040-01	250-040-02	4	74 x 29	100
250-045-01	250-045-02	4.5	80 x 30.5	100
250-050-01	250-050-02	5	85 x 33	100
250-055-01	250-055-02	5.5	90.5 x 35.5	100
250-060-01	250-060-02	6	96 x 38	100
250-070-01	250-070-02	7	102 x 41	50
250-080-01	250-080-02	8	108 x 44	50
250-090-01	250-090-02	9	114 x 47	25
250-100-01	250-100-02	10	122 x 50	25
250-110-01	250-110-02	11	129 x 53	25
250-120-01	250-120-02	12	137 x 57	25
250-130-01	250-130-02	13	145 x 63	20
250-140-01	250-140-02	14	154 x 70	20
250-150-01	250-150-02	15	161 x 73	20
250-160-01	250-160-02	16	168 x 76	10
250-170-01	250-170-02	17	177 x 80	10
250-180-01	250-180-02	18	188 x 84	10
250-190-01	250-190-02	19	199 x 89	10
250-200-01	250-200-02	20	200 x 90	5
250-210-01	250-210-02	21	211 x 96	5
250-220-01	250-220-02	22	222 x 102	5
250-240-01	250-240-02	24	248 x 114	bulk
250-270-01	250-270-02	27	277 x 127	bulk
250-300-01	250-300-02	30	315 x 142	bulk
250-320-01	250-320-02	32	347 x 157	bulk
250-360-01	250-360-02	36	391 x 176	bulk
250-410-01		41	442 x 194	bulk
250-460-01		46	490 x 212	bulk
250-500-01		50	570 x 230	bulk
250-550-01		55	605 x 235	bulk



Order-No. black	Order-No. nickel pl.		Series 255
255-186-01	255-186-02	1.5-6 mm	1.5-2-2.5-3-4-5-5.5-6 = 8-pce.
255-180-01	255-180-02	2-10 mm	2-2.5-3-4-5-6-8-10 = 8-pce.
255-192-01	255-192-02	2-12 mm	2-2.5-3-4-5-6-8-10-12 = 9-pce.



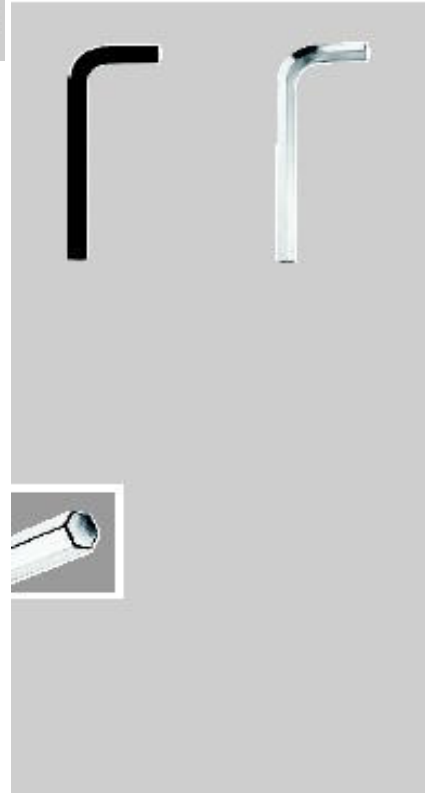
Order-No. black	Order-No. nickel pl.		Series 260
260-186-01	260-186-02	1.5-6 mm	1.5-2-2.5-3-4-5-5.5-6 = 8-pce.
260-190-01	260-190-02	2-10 mm	2-2.5-3-4-5-5.5-6-8-10 = 9-pce.
260-102-01	260-102-02	2-12 mm	2-2.5-3-4-5-5.5-6-8-10-12 = 10-pce.
260-114-01	260-114-02	2-14 mm	2-2.5-3-4-5-5.5-6-8-10-12-14 = 11-pce.



250 Hexagon Key Wrenches

Special steel

Order-No. black	Order-No. nickel pl.	A.F. = mm	L1 L2	
250-364-51	250-364-52	3/64 = 1.19	41 x 13	100
250-005-51	250-005-52	0,05 = 1.27	41 x 13	100
250-116-51	250-116-52	1/16 = 1.59	47 x 16	100
250-564-51	250-564-52	5/64 = 1.98	52 x 18	100
250-332-51	250-332-52	3/32 = 2.38	58 x 20	100
250-764-51	250-764-52	7/64 = 2.77	66 x 23	100
250-180-51	250-180-52	1/8 = 3.18	66 x 23	100
250-964-51	250-964-52	9/64 = 3.57	72 x 26	100
250-532-51	250-532-52	5/32 = 3.97	74 x 29	100
250-316-51	250-316-52	3/16 = 4.76	85 x 33	100
250-732-51	250-732-52	7/32 = 5.56	91 x 36	100
250-140-51	250-140-52	1/4 = 6.35	96 x 38	100
250-932-51	250-932-52	9/32 = 7.14	102 x 42	50
250-516-51	250-516-52	5/16 = 7.94	108 x 44	50
250-113-51	250-113-52	11/32 = 8.73	114 x 47	50
250-380-51	250-380-52	3/8 = 9.53	122 x 50	25
250-716-51	250-716-52	7/16 = 11.11	130 x 53	25
250-120-51	250-120-52	1/2 = 12.70	145 x 63	20
250-916-51	250-916-52	9/16 = 14.29	154 x 69	20
250-580-51	250-580-52	5/8 = 15.88	176 x 76	10
250-340-51	250-340-52	3/4 = 19.05	199 x 89	10
250-780-51	250-780-52	7/8 = 22.20	222 x 102	5
250-100-51	250-100-52	1 = 25.40	275 x 125	bulk



Order-No. black	Order-No. nickel pl.		Series 255
255-274-51	255-274-52	1/16-1/4"	1/16-5/64-3/32-1/8-5/32-3/16-1/4 = 7-pce.
255-288-51	255-288-52	5/64-3/8"	5/64-3/32-1/8-5/32-3/16-1/4-5/16-3/8 = 8-pce.
255-292-51	255-292-52	5/64-1/2"	5/64-3/32-1/8-5/32-3/16-1/4-5/16-3/8-1/2 = 9-pce.



Order-No. black	Order-No. nickel pl.		Series 260
260-284-51	260-284-52	1/16-1/4"	1/16-5/64-3/32-1/8-5/32-3/16-7/32-1/4 = 8-pce.
260-298-51	260-298-52	5/64-3/8"	5/64-3/32-1/8-5/32-3/16-7/32-1/4-5/16-3/8 = 9-pce.
260-202-51	260-202-52	5/64-1/2"	5/64-3/32-1/8-5/32-3/16-7/32-1/4-5/16-3/8-1/2 = 10-pce.
260-216-51	260-216-52	5/64-9/16"	5/64-3/32-1/8-5/32-3/16-7/32-1/4-5/16-3/8-1/2-9/16 = 11-pce.





Serie 262



Serie 266



Serie 268



Serie 281

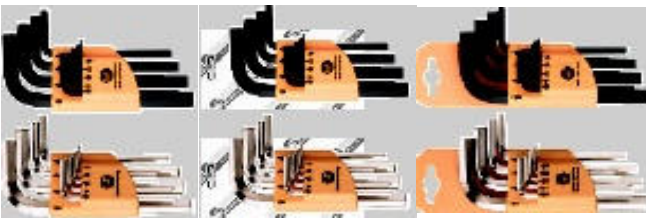
Hexagon - inch



Serie 262



Serie 266



Serie 268

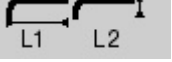


Serie 281



280 Hexagon Key Wrenches ISO 2936 L, extra long

Special steel

Order-No. black	Order-No. nickel pl.	 mm		
280-015-01	280-015-02	1.5	91.5 x 15.5	50
280-020-01	280-020-02	2	102 x 18	50
280-025-01	280-025-02	2.5	114.5 x 20.5	50
280-030-01	280-030-02	3	129 x 23	50
280-040-01	280-040-02	4	144 x 29	50
280-050-01	280-050-02	5	165 x 33	50
280-060-01	280-060-02	6	186 x 38	50
280-070-01	280-070-02	7	197 x 41	25
280-080-01	280-080-02	8	208 x 44	25
280-100-01	280-100-02	10	234 x 50	25
280-120-01	280-120-02	12	262 x 57	10
280-140-01	280-140-02	14	294 x 70	5
280-170-01	280-170-02	17	337 x 80	5
280-190-01	280-190-02	19	379 x 89	5



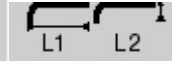
Order-No. black	Order-No. nickel pl.		Series 284
284-190-03	284-190-04	1.5-10 mm	1.5-2-2.5-3-4-5-6-8-10 = 9-pce.
284-102-03	284-102-04	1.5-12 mm	1.5-2-2.5-3-4-5-6-8-10-12 = 10-pce.



Hexagon - inch

280 Hexagon Key Wrenches ISO 2936 L, extra long

Special steel

Order-No. black	Order-No. nickel pl.	 A.F. = mm		
280-116-51	280-116-52	1/16 = 1.59	92 x 16	50
280-564-51	280-564-52	5/64 = 1.98	102 x 18	50
280-332-51	280-332-52	3/32 = 2.38	114 x 20	50
280-180-51	280-180-52	1/8 = 3.18	129 x 23	50
280-532-51	280-532-52	5/32 = 3.97	144 x 29	50
280-316-51	280-316-52	3/16 = 4.76	165 x 33	50
280-140-51	280-140-52	1/4 = 6.35	186 x 38	50
280-516-51	280-516-52	5/16 = 7.94	208 x 44	25
280-380-51	280-380-52	3/8 = 9.53	234 x 50	25
280-120-51	280-120-52	1/2 = 12.70	293 x 63	10
280-916-51	280-916-52	9/16 = 14.29	294 x 69	10



Order-No. black	Order-No. nickel pl.		Series 284
284-208-53	284-208-54	1/16-3/8	1/16-5/64-3/32-1/8-5/32-3/16-7/32-1/4-5/16-3/8 = 10-pce.
284-212-53	284-212-54	1/16-1/2	1/16-5/64-3/32-1/8-5/32-3/16-7/32-1/4-5/16-3/8-1/2 = 11-pce.



HERMANN JAEGER GMBH - HAMBURG / GERMANY

Quality Tools



Made in Germany

Hexagon Ballpoint - metric

Hexagon Ballpoint - inch



Quality Tools



Made in Germany

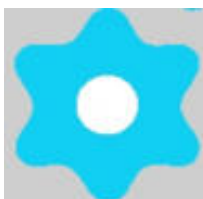
TORX®



TAMPER-TORX®

TORX® Key Wrenches for **TORX®** screws with security-pin

TORX® -Ballpoint



029



Please see the separate main HaFu catalogue

Hexagon

Chrome-Vanadium-Steel-59Cr-Mo-V4)

Hexagon Key Wrenches ISO 2936
Hexagon Key Wrench Sets
Folding Sets (FOLDEX® and FOLDEX® DUO)
Extra long version ISO 2936L
Blades with handle
Hexagon Key Wrench Sets DIN 6911

Hexagon

(Special Steel)

Hexagon Key Wrenches ISO 2936
Hexagon Key Wrench Sets
Extra long version ISO 2936 L

Hexagon-Ballpoint

Hexagon Key Wrenches
Hexagon Key Wrench Sets
FABLIX® FABLIX® DUO FOLDEX® FOLDEX®
DUO
Blades with handle

TORX®

TAMPER-TORX®

TORX®-Ballpoint

Keys
Key Sets
Folding Sets (FOLDEX® FOLDEX® DUO)
Blades with handle

Multi-spline-key

Keys
Key Sets
Folding Sets

Ribe spline-key

Keys
Key sets

ISO 2936 / 2936 L

DIN 6911 TORX® XZN Ribe

Technical data

HERMANN JAEGER GMBH - HAMBURG / GERMANY

RIM WRENCHES - TOMMY BARS

Wheel Nut Wrenches for trucks drop forged, hardened
torque according DIN 899

Code #	Size mm	Length mm	D 1 / D 2	Weight g
70 5350 000	19 x 22	380	30/34	980
70 4000 000	19 x 24	400	30/37	1000
70 5110 000	22 x 24	400	34/37	1000
70 5210 000	22 x 27	400	34/41	1200
70 5000 000	24 x 27	400	37/41	1300
70 5700 000	27 x 30	400	41/45	1400
70 5500 000	27 x 33	400	41/48	1350
70 5750 000	28 x 33	400	42/48	1450
70 5800 000	30 x 32	400	45/47	1700
70 5900 000	30 x 33	400	45/48	1450
70 5950 000	32 x 33	400	47/48	1450



Size AF				
70 5100 000	7/8 x 15/16	400	34/37	1000
70 5200 000	7/8 x 1 1/16	400	34/41	1200
70 5400 000	15/16 x 1 1/16	400	37/41	1300



Size W				
70 3500 000	5/8 x 3/4	400	42/48	1450

FINISHES

short cut	description	korrosion-resistance			Price
B	gun metal			low	
PH	phosphated		medium		basic
L	lacquered		medium		basic
KTL	dip painting	high			
ZN	zinc plated	high			
PV	powder coated	high			
CR	chrome plated	high			

Tommy Bar, hardened
torque according DIN 900

Code #	Diam.mm	for hole	Length mm	Weight g
70 3010 012	12	12,5	250	225
70 3010 100	18	19	500	1000
70 3010 200	18	19	600	1200
70 3010 500	20	21	500	1230
70 3010 630	20	21	630	1400
70 3010 800	22	23	800	2400
70 3011 000	22	23	1000	3000



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HERMANN JAEGER GMBH - HAMBURG / GERMANY

TYRE LEVERS - PRY BARS

Tyre levers

Torque according DIN 900

Code #	Size mm	Length	Finish	Weight gr
70 7040 000	20 x 12	400	silver lacq.	600
70 7050 000	20 x 12	500	silver lacq.	750
70 7060 000	20 x 12	600	silver lacq.	940
70 7070 000	23 x 13	700	silver lacq.	1320



Tyre levers (Michelin)

Torque according DIN 900

Code #	Size mm	Length	Finish	Weight gr
70 7540 000	20 x 12	400	silver lacq.	610
70 7550 000	20 x 12	500	silver lacq.	770
70 7560 000	20 x 12	600	silver lacq.	960
70 7570 000	23 x 13	700	silver lacq.	1350



Pry Bar

Torque according DIN 900

Code #	Size mm	Length	Finish	Weight gr
71 3800 211		570	phosphated	1450



Pry Bar Round Head

Torque according DIN 900

Code #	Size mm	Length	Finish	Weight gr
70 7640 000		400	zinc plated	410





Swivel-Arm Pullers

Mini-models, type series 41-0 and 42-0

Extra-strong design with hexagonal spindle heads

(13 mm / 1/2" across flats)

Art. No.	Version	Spread - Reach	Weight
41-0	2-arm	60 mm (2.7/8") - 40 mm (1.5/8")	0,20 kg
42-0	3-arm	60 mm (2.7/8") - 40 mm (1.5/8")	0,25 kg

41-0



Two-arm and three-arm mini-pullers

Small, handy models for automotive electrical systems, battery terminals, light engineering, electrical service shops, etc.

Art. No.	Version	Spread - Reach	Weight
41-1	2-arm	65 mm (2.9/16") - 65 mm (2.9/16")	0,20 kg
41-2	2-arm	80 mm (3.1/4") - 80 mm (3.1/4")	0,25 kg
42-1	3-arm	65 mm (2.9/16") - 65 mm (2.9/16")	0,30 kg
42-2	3-arm	80 mm (3.1/4") - 80 mm (3.1/4")	0,35 kg

41-2



Two-arm pullers, type series 201
with reversible double-end jaws

Art. No.	Version	Spread - Reach	Weight
201-0	2-arm	100 mm (4") - 75 mm (3")	0,8 kg
201-1	2-arm	150 mm (6") - 85 mm (3.1/4")	1,0 kg
201-2	2-arm	220 mm (8") - 130 mm (5.1/4")	2,5 kg
201-3	2-arm	300 mm (12") - 260 mm (10")	4,7 kg
201-4	2-arm	380 mm (15") - 300 mm (12")	5,2 kg

201



Three-arm pullers, type series 202
with reversible double-end jaws

Art. No.	Version	Spread - Reach	Weight
202-0	3-arm	100 mm (4") - 75 mm (3")	1.0 kg
202-1	3-arm	150 mm (6") - 85 mm (3.1/4")	1.2 kg
202-2	3-arm	220 mm (8") - 130 mm (5.1/4")	3.0 kg
202-3	3-arm	300 mm (12") - 260 mm (10")	6.4 kg
202-4	3-arm	380 mm (15") - 300 mm (12")	7.1 kg

202



Two-arm pullers, type series 205
With adjustable-length arms

Art. No.	Version	Spread - Reach	Weight
205-00	2-arm	100 mm (4") - 100 mm (4")	0,5 kg
205-01	2-arm	150 mm (6") - 150 mm (6")	1,0 kg
205-02	2-arm	250 mm (10") - 250 mm (10")	2,5 kg
205-1	2-arm	300 mm (12") - 300 mm (12")	5,0 kg
205-2	2-arm	400 mm (16") - 400 mm (16")	6,5 kg
205-3	2-arm	500 mm (20") - 500 mm (20")	9,1 kg

205





Three-arm pullers, type series 206
With adjustable-length arms

Art. No.	Version	Spread - Reach	Weight
206-00	3-arm	100 mm (4") - 100 mm (4")	0,7 kg
206-01	3-arm	150 mm (6") - 150 mm (6")	1,4 kg
206-02	3-arm	250 mm (10") - 250 mm (10")	3,2 kg
206-1	3-arm	300 mm (12") - 300 mm (12")	6,8 kg
206-2	3-arm	400 mm (16") - 400 mm (16")	8,7 kg
206-3	3-arm	500 mm (20") - 540 mm (21")	12,7 kg

206

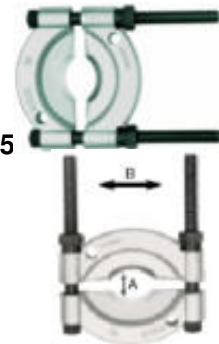


Separators, type series 15

Press the separator jaws together by uniformly tightening the nuts on both sides.

Art. No.	Opening A	Distance B	Weight
15-0	5 - 60 mm	60 mm	0,6 kg
15-1	12 - 75 mm	75 mm	1,0 kg
15-2	22 - 115 mm	115 mm	2,2 kg
15-3	25 - 155 mm	155 mm	4,5 kg
15-4	30 - 200 mm	200 mm	10,8 kg
15-5	30 - 250 mm	250 mm	16,0 kg

15



Pulling tools, type series 18

For use with a separator, screw the pulling bolts into the tapholes in the separator jaws.

Art. No.	Opening A	Length B max	Weight
18-0	50-110 mm	150 mm	0,85 kg
18-1	60-150 mm	200 mm	1,7 kg
18-2	60-200 mm	250 mm	3,2 kg
18-3	80-300 mm	300 mm	6,2 kg
18-4	120-380 mm	350 mm	13,9 kg
18-5	150-440 mm	400 mm	20,7 kg

18



Complete sets of separators and pulling tools
in metal cases

Sets, type series 15
with standard separators

Art. No.	15-K	15-A	15-B	15-C	15-D
separator	15-0	15-1	15-2	15-3	15-4
pulling	18-0	18-1	18-2	18-3	18-4
ext.pair	18-1-P	19-1-P	19-2-P	19-3-P	19-4-P
Capacity	60 mm	75 mm	115 mm	155 mm	200 mm
Weightt					
incl. case	2,7 kg	4,7 kg	8,4 kg	14,7 kg	32,0 kg



Figure 1



Figure 3



034



Safety spring compressors, type series 65 and 66

These safe, universal spring compressors, with their modest space requirements, are especially easy to handle and, thanks to their adjustable connection clip, can be used for most standard helical springs with diameters ranging from 110 to 180 mm. They therefore present an economical alternative to far more expensive, complicated models.

These tools are in compliance with the „German Safety Regulations of Vehicle Maintenance“ (ZH 1/454) of the relevant German employer's liability insurance association and, following successful testing, have been awarded the Equipment Safety Certificate with the „GS“ mark.

„Universal“ spring compressor, type series 65



This handy universal tool is for use in replacing helical springs, in the assembled or disassembled condition, on cars weighing up to 2000 kg.

Art. No.	working range		Weight
	depth	diametric capacity	
65-1	100 - 250 mm (4 - 10")	110 - 180 mm (4.1/4-7")	3,1 kg
65-2	200 - 400 mm (8 - 16")	110 - 180 mm (4.1/4-7")	3,3 kg
65-3	100 - 400 mm (4 - 16")	110 - 180 mm (4.1/4-7")	4,2 kg

Operation:

- 1) Adjust the connecting clip to the required helical spring diameter, and insert the pin to lock it in place.
- 2) Attach the claws of the spring compressor to the spring coils (normally, three coils are sufficient), and secure them against slippage by tightening the locking screws on the sides.
- 3) Compress or relax the helical spring by alternately and uniformly actuating both threaded spindles with the aid of hand tools (wrench, ratchet handle).

„MacPherson“ spring compressors, type series 66



The ideal tool for use in replacing helical springs with up to 2500 N spring force on dismantled „MacPherson“ (or other) strut assemblies of the kind used on VWs, AUDIs, BMWs, Porsches, DATSUNS, RENAULTs, VOLVOs, TOYOTAs, MAZDAs and numerous other makes.

Art. No.	working range		Weight
	depth	diametric capacity	
66-1	100 - 250 mm (4 - 10")	110 - 180 mm (4.1/4-7")	3,1 kg
66-2	200 - 400 mm (8 - 16")	110 - 180 mm (4.1/4-7")	3,3 kg
66-3*	100 - 400 mm (4 - 16")	110 - 180 mm (4.1/4-7")	4,2 kg

*Type 66-3 consists of a type-66-2 spring compressor and two additional short threaded rods.





Nut Splitters

For splitting jammed or stripped nuts without damage to the bolt.
Nut splitter chisels are wearing parts. Blunt, notched or broken chisels must be replaced immediately.

Mechanical nut splitters, type series 54

Double-edged models exerting twice the normal splitting force on irretrievable nuts in quality classes 5, 6 and 8.

Art. No.	nut size mm	nut size AF	Weight
54-2	10-27	13/32 - 1.1/16"	0,4 kg
54-3	17-36	11/16 - 1.7/16"	0,7 kg

Mechanical nut splitters, type series 55

For splitting irretrievable nuts in quality classes 6 and below.

Art. No.	nut size mm	nut size AF	Weight
55-0	4-10	5/32-13/32"	0.10 kg
55-1	10-18	7/16-11/16"	0.22 kg
55-2	19-27	3/4-11/16"	0.44 kg
55-3	27-36	11/8-17/16"	0.66 kg
55-4	32-50	15/16-2"	2,60 kg

Hydraulic nut splitters, type series 56

For splitting irretrievable nuts in quality classes 5, 6, 8 and 10.

Their offset shape makes these tools useful for confined spaces. Their hydraulic system minimizes the manual effort.

Art. No.	nut size mm	nut size AF	Weight
56-1	7-22	9/32-7/8"	0,76 kg
56-2	22-36	7/8-17/16"	2,80 kg



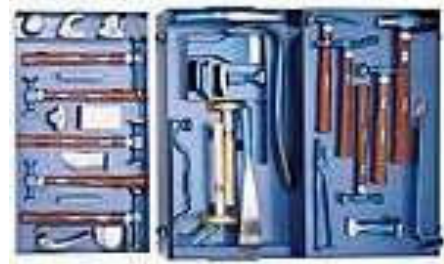
a) Chisel
b) Threaded anvil with spanner flats
c) Forcing screw





various set combinations are available

Please see separate catalogue



Set No. 254 - 30 pcs.



for individual bumping tools please see separate catalogue



A wide range of special hammers
can be found in the PICARD master catalogue





2001/22	Yellow Bumping Hammer 22 mm
2002/27	Yellow Bumping Hammer 27 mm
2003/32	Yellow Bumping Hammer 32 mm
2004/35	Yellow Bumping Hammer 35 mm
2005/40	Yellow Bumping Hammer 40 mm
2006/50	Yellow Bumping Hammer 50 mm
2007/60	Yellow Bumping Hammer 60 mm
2401/22	Yellow Spare Hammer Heads (pair of 2 pcs.) 22 mm
2402/27	Yellow Spare Hammer Heads (pair of 2 pcs.) 27 mm
2403/32	Yellow Spare Hammer Heads (pair of 2 pcs.) 32 mm
2404/35	Yellow Spare Hammer Heads (pair of 2 pcs.) 35 mm
2405/40	Yellow Spare Hammer Heads (pair of 2 pcs.) 40 mm
2406/50	Yellow Spare Hammer Heads (pair of 2 pcs.) 50 mm
2407/60	Yellow Spare Hammer Heads (pair of 2 pcs.) 60 mm

plastic

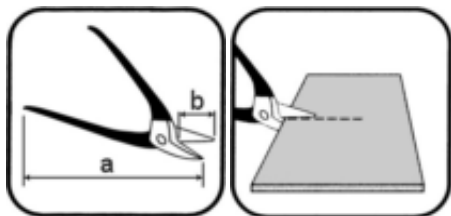


2101/22	Milky White Bumping Hammer 22 mm
2102/27	Milky White Bumping Hammer 27 mm
2103/32	Milky White Bumping Hammer 32 mm
2104/35	Milky White Bumping Hammer 35 mm
2105/40	Milky White Bumping Hammer 40 mm
2106/50	Milky White Bumping Hammer 50 mm
2107/60	Milky White Bumping Hammer 60 mm
2501/22	Milky White Spare Hammer Heads (pair of 2 pcs.) 22 mm
2502/27	Milky White Spare Hammer Heads (pair of 2 pcs.) 27 mm
2503/32	Milky White Spare Hammer Heads (pair of 2 pcs.) 32 mm
2504/35	Milky White Spare Hammer Heads (pair of 2 pcs.) 35 mm
2505/40	Milky White Spare Hammer Heads (pair of 2 pcs.) 40 mm
2506/50	Milky White Spare Hammer Heads (pair of 2 pcs.) 50 mm
2507/60	Milky White Spare Hammer Heads (pair of 2 pcs.) 60 mm

nylon

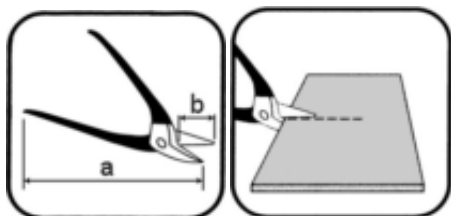


TIN SNIPS



D-159 English pattern snips for long straight cuts

D159/200	English pattern Tin Snip 200 mm - 8" without spring
D159/250	English pattern Tin Snip 250 mm - 10" without spring
D159/300	English pattern Tin Snip 300 mm - 12" without spring
D159/350	English pattern Tin Snip 350 mm - 14" without spring
D159LF/200	English pattern Tin Snip 200 mm - 8" w. long spring
D159LF/250	English pattern Tin Snip 250 mm - 10" w. long spring
D159LF/300	English pattern Tin Snip 300 mm - 12" w. long spring
D159LF/350	English pattern Tin Snip 350 mm - 14" w. long spring



D-146 American pattern snips for long straight cuts

D146P/200	American pattern Tin Snip 200 mm - 8" PVC-coated handles
D146P/250	American pattern Tin Snip 250 mm - 10" PVC-coated handles
D146P/300	American pattern Tin Snip 300 mm - 12" PVC-coated handles
D146P/350	American pattern Tin Snip 350 mm - 14" PVC-coated handles

JEWELLERS' SNIPS



D-70 / D-71



D-72 / D-73



D-74 / D-75



D-76 / D-77

HERMANN JAEGER GMBH - HAMBURG / GERMANY

CIRCLIP PLIERS

CV Circlip Plier A 1/130 mm- 5.1/4" ext. straight
 CV Circlip Plier A 2/175 mm- 7 " ext. straight
 CV Circlip Plier A 3/220 mm- 8.3/4" ext. straight
 CV Circlip Plier A 4/310 mm-12.1/4" ext. straight
 CV Circlip Plier A11/130 mm- 5.1/4" ext. bent
 CV Circlip Plier A21/175 mm- 7 " ext. bent
 CV Circlip Plier A31/220 mm- 8.3/4" ext. bent
 CV Circlip Plier A41/310 mm-12.1/4" ext. bent
 CV Circlip Plier J 1/130 mm- 5.1/4" int. straight
 CV Circlip Plier J 2/175 mm- 7 " int. straight
 CV Circlip Plier J 3/220 mm- 8.3/4" int. straight
 CV Circlip Plier J 4/310 mm-12.1/4" int. straight
 CV Circlip Plier J11/130 mm- 5.1/4" int. bent
 CV Circlip Plier J21/175 mm- 7 " int. bent
 CV Circlip Plier J31/220 mm- 8.3/4" int. bent
 CV Circlip Plier J41/310 mm-12.1/4" int. bent



Finish:
 chrome plated
 gun metal
 plastic coated hdl's.



int. bent J11 - J41



ext. bent A11 - A41



int. straight J1 - J4



ext. straight A1 - A4



external, chrome-plated, w/long spring



external, plastic-dipped hdl's. w/standard spring

Circlip ring size	8-25 mm	18-75 mm	40-100 mm	85-200 mm
int.	J1 / J11	J2 / J21	J3 / J31	J4 / J41

Circlip ring size	10-28 mm	19-60 mm	40-100 mm	85-200 mm
ext.	A1 / A11	A2 / A21	A3 / A31	A4 / A41

039.1

Please see WILL main catalogue



Oberflächenfinish und Griffgestaltung

Finish and handle design

	N ohne Griffbeschichtung without handle coating	P Griffe mit Tauchplastik plastic coated handles	SL schwere, transparente Griffe heavy transparent handles	SLU schwere, gedeckte Griffe heavy opaque handles
A3 Gelenkflächen poliert joint area polished				
B3 Gelenkflächen poliert, phosphatiert joint area polished, phosphated				
C3 Gelenkflächen poliert, verchromt joint area polished, chromium plated				
C4 Gelenkflächen hochglanz- poliert, verchromt joint area mirror polished, chromium plated				
C5 hochglanzpoliert, verchromt mirror polished, chromium plated				

PLIERS



SAW schwere, transparente Griffe heavy transparent handles	SAWU schwere, gedeckte Griffe heavy opaque handles	VDE-SF direkt aufgespritzte 1000 V Isoliergriffe directly injected 1000V insulating handles	2K schwere, gedeckte 2-Komponenten-Griffe heavy opaque 2-component handles	2K-ESD schwere, gedeckte 2-Komponenten-Griffe, elektrisch ableitend (dissipativ) heavy opaque 2-component handles, electric diverted (dissipativ)



HERMANN JAEGER GMBH - HAMBURG / GERMANY

Original **ODUR-*Fit***



042

25/000npr



25/0000p	Lead Sealing Plier 130 mm polished
25/000p	Lead Sealing Plier 150 mm polished
25/00p	Lead Sealing Plier 170 mm polished
25/0Ap	Lead Sealing Plier 190 mm polished
25/0Bp	Lead Sealing Plier 220 mm polished
25/0000npr	Lead Sealing Plier 130 mm nickel-plated red PVC-coated
25/000npr	Lead Sealing Plier 150 mm nickel-plated red PVC-coated
25/00npr	Lead Sealing Plier 170 mm nickel-plated red PVC-coated
25/0Anpr	Lead Sealing Plier 190 mm nickel-plated red PVC-coated
25/0Bnpr	Lead Sealing Plier 220 mm nickel-plated red PVC-coated
25/0000npb	Lead Sealing Plier 130 mm nickel-plated blue PVC-coated
25/000npb	Lead Sealing Plier 150 mm nickel-plated blue PVC-coated
25/00npb	Lead Sealing Plier 170 mm nickel-plated blue PVC-coated
25/0Anpb	Lead Sealing Plier 190 mm nickel-plated blue PVC-coated
25/0Bnpb	Lead Sealing Plier 220 mm nickel-plated blue PVC-coated
25/0000np	Lead Sealing Plier 130 mm nickel-plated
25/000np	Lead Sealing Plier 150 mm nickel-plated
25/00np	Lead Sealing Plier 170 mm nickel-plated
25/0Anp	Lead Sealing Plier 190 mm nickel-plated
25/0Bnp	Lead Sealing Plier 220 mm nickel-plated
31/9Ap	Ticket Plier 120 mm polished w. standard hole 3 mm diam.
31/10Ap	Ticket Plier 145 mm polished w. standard hole 3 mm diam.
31/11Ap	Ticket Plier 165 mm polished w. standard hole 3 mm diam.
31/9Anp	Ticket Plier 120 mm nickel-plated w. standard hole 3 mm diam.
31/10Anp	Ticket Plier 145 mm nickel-plated w. standard hole 3 mm diam.
31/11Anp	Ticket Plier 165 mm nickel-plated w. standard hole 3 mm diam.

ADJUSTABLE WRENCHES



136/175	Adjustable Wrench ROLLBLITZ 175 mm- 7 "
136/225	Adjustable Wrench ROLLBLITZ 225 mm- 9 "
136/275	Adjustable Wrench ROLLBLITZ 275 mm-10.5"
136/315	Adjustable Wrench ROLLBLITZ 315 mm-12 "
136/360	Adjustable Wrench ROLLBLITZ 360 mm-14 "
236/225	Curved Adjustable Wrench ROLLBLITZ 225 mm - 9"
236/315	Curved Adjustable Wrench ROLLBLITZ 315 mm - 12"

Please ask for SKG main catalogue



SILVER LINE *plus*.....

SILVER LINE.....

T - LINE

FLEXI LINE

POWER DRIVE

POWER MAGNETIC ..

COMFORT LINE

VDE LINE.....

BASIC LINE

HOLZ LINE.....

ELECTRONIC LINE....

045

HERMANN JAEGER GMBH - HAMBURG / GERMANY

VOLTAGES TESTERS

451P-WG	Voltage Tester 120 mm snap cap white
451P-YG	Voltage Tester 120 mm snap cap yellow
451PS-WG	Voltage Tester 120 mm screw cap white
451PS-YG	Voltage Tester 120 mm screw cap yellow
451PM-WG	Voltage Tester 120 mm brass cap white
451PM-YG	Voltage Tester 120 mm brass cap yellow

451



452P-WG	Voltage Tester 140 mm snap cap white
452P-YG	Voltage Tester 140 mm snap cap yellow
452PS-WG	Voltage Tester 140 mm screw cap white
452PS-YG	Voltage Tester 140 mm screw cap yellow
452PM-WG	Voltage Tester 140 mm brass cap white
452PM-YG	Voltage Tester 140 mm brass cap yellow

452



457PM-WG	Voltage Tester 190 mm brass cap white
457PM-YG	Voltage Tester 190 mm brass cap yellow

457



CARLIGHT TESTERS



4598T	Carlight Tester all brass in plastic wallet
4568A	Carlight Tester in plastic wallet
4518ZA/T	Carlight Tester Set = 4518 A+4518 Z
4587Z	Spark Plug Tester
4588A	Carlight Tester
4587/88T	Carlight Tester Set = 4587+4588

EURO-1 VOLTAGE TESTERS



45300



45800

- 45300/150b Voltage Tester EURO-type 150 mm, 100-500 V, light blue coloured handle
- 45300/150o Voltage Tester EURO-type 150 mm, 100-500 V, orange coloured handle
- 45800/190b Voltage Tester EURO-type 190 mm, 100-500 V, light blue coloured handle
- 45800/190o Voltage Tester EURO-type 190 mm, 100-500 V, orange coloured handle



EURO-1 VOLTAGE TESTERS



45400



45400

- 45400/150r Voltage Tester EURO 2-type 150 mm, 125-250 V, red handle
- 45900/190r Voltage Tester EURO 2-type 190 mm, 125-250 V, red handle



005.008 Centre Punch, knurled / 100 x 8 mm - 4 x 5/16"
 005.001 Centre Punch, knurled / 100 x 10 mm - 4 x 3/8"
 005.002 Centre Punch, knurled / 120 x 10 mm - 4.3/4 x 3/8"



006.008 Centre Punch, plain, polished point / 100 x 8 mm - 4 x 5/16"
 006.001 Centre Punch, plain, polished point / 100 x 10 mm - 4 x 3/8"
 006.002 Centre Punch, plain, polished point / 120 x 10 mm - 4.3/4 x 3/8"
 006.003 Centre Punch, plain, polished point / 120 x 12 mm - 4.3/4 x 15/32"
 006.004 Centre Punch, plain, polished point / 150 x 12 mm - 6 x 15/32"



007.001 Centre Punch, DIN 7250, octagonal / 100 x 10 mm - 4 x 3/8"
 007.002 Centre Punch, DIN 7250, octagonal / 120 x 10 mm - 4.3/4 x 3/8"
 007.003 Centre Punch, DIN 7250, octagonal / 120 x 12 mm - 4.3/4 x 15/32"
 007.004 Centre Punch, DIN 7250, octagonal / 150 x 12 mm - 6 x 15/32"
 007.005 Centre Punch, DIN 7250, octagonal / 150 x 14 mm - 6 x 9/16"
 007.006 Centre Punch, DIN 7250, octagonal / 180 x 18 mm - 7 x 3/4"



008.001 Centre Punch, octagon shank / 100 x 10 mm - 4 x 3/8"
 008.002 Centre Punch, octagon shank / 120 x 10 mm - 4.3/4 x 3/8"
 008.003 Centre Punch, octagon shank / 120 x 12 mm - 4.3/4 x 15/32"
 008.004 Centre Punch, octagon shank / 150 x 12 mm - 6 x 15/32"



005.181 Brad Punch, knurled / 100 x 8 x 1 mm - 4 x 5/16 x 1/32"
 005.182 Brad Punch, knurled / 100 x 8 x 2 mm - 4 x 5/16 x 1/16"
 005.183 Brad Punch, knurled / 100 x 8 x 3 mm - 4 x 5/16 x 1/8"
 005.184 Brad Punch, knurled / 100 x 8 x 4 mm - 4 x 5/16 x 5/32"
 005.111 Brad Punch, knurled / 120 x 10 x 1 mm - 4.3/4 x 3/8 x 1/32"
 005.112 Brad Punch, knurled / 120 x 10 x 2 mm - 4.3/4 x 3/8 x 1/16"
 005.113 Brad Punch, knurled / 120 x 10 x 3 mm - 4.3/4 x 3/8 x 1/8"
 005.114 Brad Punch, knurled / 120 x 10 x 4 mm - 4.3/4 x 3/8 x 5/32"
 005.115 Brad Punch, knurled / 120 x 10 x 5 mm - 4.3/4 x 3/8 x 3/16"
 005.116 Brad Punch, knurled / 120 x 10 x 6 mm - 4.3/4 x 3/8 x 1/4"



006.181 Brad Punch, plain, polished point / 100 x 8 x 1 mm - 4 x 5/16 x 1/32"
 006.182 Brad Punch, plain, polished point / 100 x 8 x 2 mm - 4 x 5/16 x 1/16"
 006.183 Brad Punch, plain, polished point / 100 x 8 x 3 mm - 4 x 5/16 x 1/8"
 006.184 Brad Punch, plain, polished point / 100 x 8 x 4 mm - 4 x 5/16 x 5/32"
 006.101 Brad Punch, plain, polished point / 100 x 10 x 1 mm - 4 x 3/8 x 1/32"
 006.102 Brad Punch, plain, polished point / 100 x 10 x 2 mm - 4 x 3/8 x 1/16"
 006.103 Brad Punch, plain, polished point / 100 x 10 x 3 mm - 4 x 3/8 x 1/8"
 006.104 Brad Punch, plain, polished point / 100 x 10 x 4 mm - 4 x 3/8 x 5/32"
 006.111 Brad Punch, plain, polished point / 120 x 10 x 1 mm - 4.3/4 x 3/8 x 1/32"
 006.112 Brad Punch, plain, polished point / 120 x 10 x 2 mm - 4.3/4 x 3/8 x 1/16"
 006.113 Brad Punch, plain, polished point / 120 x 10 x 3 mm - 4.3/4 x 3/8 x 1/8"
 006.114 Brad Punch, plain, polished point / 120 x 10 x 4 mm - 4.3/4 x 3/8 x 5/32"
 006.115 Brad Punch, plain, polished point / 120 x 10 x 5 mm - 4.3/4 x 3/8 x 3/16"
 006.116 Brad Punch, plain, polished point / 120 x 10 x 6 mm - 4.3/4 x 3/8 x 1/4"



008.111 Brad Punch, octagon shank / 120 x 10 x 1 mm - 4.3/4 x 3/8 x 1/32"
 008.112 Brad Punch, octagon shank / 120 x 10 x 2 mm - 4.3/4 x 3/8 x 1/16"
 008.113 Brad Punch, octagon shank / 120 x 10 x 3 mm - 4.3/4 x 3/8 x 1/8"
 008.114 Brad Punch, octagon shank / 120 x 10 x 4 mm - 4.3/4 x 3/8 x 5/32"
 008.115 Brad Punch, octagon shank / 120 x 10 x 5 mm - 4.3/4 x 3/8 x 3/16"
 008.116 Brad Punch, octagon shank / 120 x 10 x 6 mm - 4.3/4 x 3/8 x 1/4"



Centre Punches. Pin Punches. Chisels

007.101	Brad Punch, DIN 6458, octagonal / 100 x 10 x 1 mm - 4 x 3/8 x 1/32"
007.102	Brad Punch, DIN 6458, octagonal / 100 x 10 x 2 mm - 4 x 3/8 x 1/16"
007.103	Brad Punch, DIN 6458, octagonal / 100 x 10 x 3 mm - 4 x 3/8 x 1/8"
007.104	Brad Punch, DIN 6458, octagonal / 100 x 10 x 4 mm - 4 x 3/8 x 5/32"
007.111	Brad Punch, DIN 6458, octagonal / 120 x 10 x 1 mm - 4.3/4 x 3/8 x 1/32"
007.112	Brad Punch, DIN 6458, octagonal / 120 x 10 x 2 mm - 4.3/4 x 3/8 x 1/16"
007.113	Brad Punch, DIN 6458, octagonal / 120 x 10 x 3 mm - 4.3/4 x 3/8 x 1/8 "
007.114	Brad Punch, DIN 6458, octagonal / 120 x 10 x 4 mm - 4.3/4 x 3/8 x 5/32"
007.115	Brad Punch, DIN 6458, octagonal / 120 x 10 x 5 mm - 4.3/4 x 3/8 x 3/16"
007.116	Brad Punch, DIN 6458, octagonal / 120 x 10 x 6 mm - 4.3/4 x 3/8 x 1/4"
007.121	Brad Punch, DIN 6458, octagonal / 120 x 12 x 1 mm - 4.3/4 x 15/32 x 1/32"
007.122	Brad Punch, DIN 6458, octagonal / 120 x 12 x 2 mm - 4.3/4 x 15/32 x 1/16"
007.123	Brad Punch, DIN 6458, octagonal / 120 x 12 x 3 mm - 4.3/4 x 15/32 x 1/8"
007.124	Brad Punch, DIN 6458, octagonal / 120 x 12 x 4 mm - 4.3/4 x 15/32 x 5/32"
007.125	Brad Punch, DIN 6458, octagonal / 120 x 12 x 5 mm - 4.3/4 x 15/32 x 3/16"
007.126	Brad Punch, DIN 6458, octagonal / 120 x 12 x 6 mm - 4.3/4 x 15/32 x 1/4"
007.127	Brad Punch, DIN 6458, octagonal / 120 x 12 x 7 mm - 4.3/4 x 15/32 x 9/32"
007.128	Brad Punch, DIN 6458, octagonal / 120 x 12 x 8 mm - 4.3/4 x 15/32 x 5/16"
007.120	Brad Punch, DIN 6458, octagonal / 120 x 12 x 10 mm - 4.3/4 x 15/32 x 3/8"
007.134	Brad Punch, DIN 6458, octagonal / 150 x 12 x 4 mm - 6 x 15/32 x 5/32"
007.138	Brad Punch, DIN 6458, octagonal / 150 x 12 x 8 mm - 6 x 15/32 x 5/16"
007.139	Brad Punch, DIN 6458, octagonal / 150 x 12 x 9 mm - 6 x 15/32 x 11/32"
007.130	Brad Punch, DIN 6458, octagonal / 150 x 12 x 10 mm - 6 x 15/32 x 3/8"
007.148	Brad Punch, DIN 6458, octagonal / 150 x 14 x 8 mm - 6 x 9/16 x 5/16"
007.140	Brad Punch, DIN 6458, octagonal / 150 x 14 x 10 mm - 6 x 9/16 x 3/8"
007.142	Brad Punch, DIN 6458, octagonal / 150 x 14 x 12 mm - 6 x 9/16 x 15/32"
007.151	Brad Punch, DIN 6458, octagonal / 175 x 16 x 11 mm - 6 x 5/8 x 7/16"
007.152	Brad Punch, DIN 6458, octagonal / 175 x 16 x 12 mm - 6 x 5/8 x 15/32"



007.400



007.500 - 007.600

007.400	Sets of Brad and Centre Punch - in plastic clip
007.500	Sets of Brad and Centre Punch - in plastic stand box
007.600	Sets of Brad and Centre Punch - in metal box

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Centre Punches. Pin Punches. Chisels

PARALLEL PIN PUNCHES

octagonal shank, CV-selfhardening steel,
with non-spread head, lacquered oven finish
DIN 6450 C



014.015 - 014.040

014.050 - 014.060

14.065



014.015	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 1.5 mm
014.002	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 2.0 mm
014.025	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 2.5 mm
014.003	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 3.0 mm
014.035	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 3.5 mm
014.004	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 4.0 mm
014.005	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 5.0 mm
014.006	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 6.0 mm
014.007	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 7.0 mm
014.008	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 10 x 8.0 mm
014.016	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 12 x 6.0 mm
014.017	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 12 x 7.0 mm
014.018	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 12 x 8.0 mm
014.019	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 12 x 9.0 mm
014.020	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 12 x 10.0 mm
014.030	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 14 x 10.0 mm
014.040	Parallel Pin Punch, DIN 6450 C, octagonal shank /	150 x 14 x 12.0 mm
014.050	Parallel Pin Punch, DIN 6450 C for brake rivets /	180 x 10 x 4.0 mm
014.060	Parallel Pin Punch, DIN 6450 C for brake rivets /	180 x 10 x 6.0 mm
014.065	Parallel Pin Punch, DIN 6450 C for brake rivets /	180 x 10 x 6.0 mm

Sets, ctg. ea. 1 piece 3 - 4 - 5 - 6 - 7 - 8 mm



014.100 - wooden stand



014.200 - plastic bag



014.400 - plastic clip



014.500 - plastic box



014.600 - metal box

Centre Punches. Pin Punches. Chisels

PARALLEL PIN PUNCHES, Export quality octagonal shank, CV-self hardening steel, unground shaft, lacquerred oven finish



↑
hardness 54-58 HRC

↑
naturally hardness

016.002	Parallel Pin Punch, export quality /	150 x 10 x 2 mm
016.003	Parallel Pin Punch, export quality /	150 x 10 x 3 mm
016.004	Parallel Pin Punch, export quality /	150 x 10 x 4 mm
016.005	Parallel Pin Punch, export quality /	150 x 10 x 5 mm
016.006	Parallel Pin Punch, export quality /	150 x 10 x 6 mm
016.007	Parallel Pin Punch, export quality /	150 x 10 x 7 mm
016.008	Parallel Pin Punch, export quality /	150 x 10 x 8 mm

Sets, ctg. ea. 1 piece 3 - 4 - 5 - 6 - 7 - 8 mm



016.200 - plastic bag



016.500 - plastic box

TOOL SETS, 6 pcs. CV-self hardening steel, octagonal shank, with non-spread head, lacquerred oven finish

Contents: 1 Flat chisel 12 x 150 mm, 1 Flat chisel 10 x 125 mm, 1 Cross chisel 10 x 125 mm
1 Brad Punch 12 x 150 x 4 mm, 1 Brad Punch 10 x 120 x 2 mm, 1 Centre Punch 10 x 120 mm



009.100 - wooden stand



009.200 - plastic bag



009.400 - plastic case



009.500 - plastic box



009.600 - metal box



HERMANN JAEGER GMBH - HAMBURG / GERMANY

TOOL SETS, 6 pcs. tool steel, octagonal shank, lacquerred oven finish

Contents: 1 Flat chisel 125 x 10 x 12 mm, 1 Flat chisel 150 x 12 x 16 mm, 1 Centre Punch 150 x 12 mm
1 Brad Punch 120 x 10 x 2 mm, 1 Brad Punch 120 x 10 x 3 mm, 1 Brad Punch 120 x 10 x 4 mm



010.200 - plastic bag



010.400 - plastic case

POINTED CHISELS, octagobal shank, chrome-molybd.-vanadium self hardening steel, non-spread head, ground blade cut, lacquerred oven finish

020.005	Pointed Chisel, DIN 7256, octagonal shank /	200 x 16 (15) mm
020.007	Pointed Chisel, DIN 7256, octagonal shank /	250 x 16 (15) mm
020.009	Pointed Chisel, DIN 7256, octagonal shank /	300 x 16 (15) mm
020.010	Pointed Chisel, DIN 7256, octagonal shank /	300 x 18 mm
020.012	Pointed Chisel, DIN 7256, octagonal shank /	350 x 18 mm
020.013	Pointed Chisel, DIN 7256, octagonal shank /	400 x 20 mm
020.014	Pointed Chisel, DIN 7256, octagonal shank /	500 x 20 mm
020.016	Pointed Chisel, DIN 7256, octagonal shank /	600 x 22 mm



DIN 7256

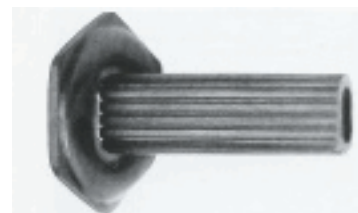


DIN 7254 B



021.001	Stone Chisel, DIN 7254 Form B, octagonal shank /	125 x 10 x 12 mm
021.003	Stone Chisel, DIN 7254 Form B, octagonal shank /	150 x 12 x 16 mm
021.005	Stone Chisel, DIN 7254 Form B, octagonal shank /	200 x 16 (15) x 20 mm
021.007	Stone Chisel, DIN 7254 Form B, octagonal shank /	250 x 16 (15) x 20 mm
021.009	Stone Chisel, DIN 7254 Form B, octagonal shank /	300 x 16 (15) x 20 mm
021.010	Stone Chisel, DIN 7254 Form B, octagonal shank /	300 x 18 x 26 mm
021.012	Stone Chisel, DIN 7254 Form B, octagonal shank /	350 x 18 x 26 mm
021.013	Stone Chisel, DIN 7254 Form B, octagonal shank /	400 x 20 x 28 mm
021.014	Stone Chisel, DIN 7254 Form B, octagonal shank /	500 x 20 x 28 mm
021.016	Stone Chisel, DIN 7254 Form B, octagonal shank /	600 x 22 x 30 mm

029.001	Hand Guards for Chisel, grooved /	23 x 13 mm - flat oval
029.002	Hand Guards for Chisel, grooved /	18 mm - octagonal
029.003	Hand Guards for Chisel, grooved /	26 x 7 mm - flat oval



FLAT CHISELS, flat-oval, tool steel, lacquerred oven finish

022.001	Flat Chisel, flat oval / 125 x 14 x 9 mm
022.002	Flat Chisel, flat oval / 150 x 17 x 11 mm
022.003	Flat Chisel, flat oval / 175 x 20 x 12 mm
022.004	Flat Chisel, flat oval / 200 x 20 x 12 mm
022.005	Flat Chisel, flat oval / 250 x 23 x 13 mm
022.006	Flat Chisel, flat oval / 300 x 23 x 13 mm
022.007	Flat Chisel, flat oval / 350 x 23 x 13 mm
022.008	Flat Chisel, flat oval / 400 x 23 x 13 mm



STONE CHISELS, octagonal shank, tool steel, lacquerred oven finish

027.001	Stone Chisel, oct, shank / 125 x 8 x 8 mm - 5 x 5/16 x 5/16"
027.002	Stone Chisel, oct, shank / 125 x 8 x 10 mm - 5 x 5/16 x 3/8"
027.003	Stone Chisel, oct, shank / 125 x 10 x 10 mm - 5 x 3/8 x 3/8"
027.004	Stone Chisel, oct, shank / 125 x 10 x 13 mm - 5 x 3/8 x 1/2"
027.005	Stone Chisel, oct, shank / 150 x 10 x 10 mm - 6 x 3/8 x 3/8"
027.006	Stone Chisel, oct, shank / 150 x 10 x 13 mm - 6 x 3/8 x 1/2"
027.007	Stone Chisel, oct, shank / 150 x 12 x 13 mm - 6 x 1/2 x 1/2"
027.008	Stone Chisel, oct, shank / 150 x 12 x 16 mm - 6 x 1/2 x 5/8"
027.009	Stone Chisel, oct, shank / 150 x 12 x 19 mm - 6 x 1/2 x 3/4"
027.010	Stone Chisel, oct, shank / 150 x 15 x 19 mm - 6 x 5/8 x 3/4"
027.011	Stone Chisel, oct, shank / 175 x 12 x 13 mm - 7 x 1/2 x 1/2"
027.012	Stone Chisel, oct, shank / 175 x 12 x 16 mm - 7 x 1/2 x 5/8"
027.013	Stone Chisel, oct, shank / 175 x 12 x 19 mm - 7 x 1/2 x 3/4"
027.014	Stone Chisel, oct, shank / 175 x 15 x 19 mm - 7 x 5/8 x 3/4"
027.015	Stone Chisel, oct, shank / 175 x 15 x 22 mm - 7 x 5/8 x 7/8"
027.016	Stone Chisel, oct, shank / 200 x 10 x 10 mm - 8 x 3/8 x 3/8"
027.017	Stone Chisel, oct, shank / 200 x 10 x 13 mm - 8 x 3/8 x 1/2"
027.018	Stone Chisel, oct, shank / 200 x 12 x 13 mm - 8 x 1/2 x 1/2"
027.019	Stone Chisel, oct, shank / 200 x 12 x 16 mm - 8 x 1/2 x 5/8"
027.020	Stone Chisel, oct, shank / 200 x 12 x 19 mm - 8 x 1/2 x 3/4"
027.021	Stone Chisel, oct, shank / 200 x 15 x 19 mm - 8 x 5/8 x 3/4"
027.022	Stone Chisel, oct, shank / 200 x 15 x 22 mm - 8 x 5/8 x 7/8"
027.023	Stone Chisel, oct, shank / 200 x 18 x 22 mm - 8 x 3/4 x 7/8"
027.024	Stone Chisel, oct, shank / 200 x 18 x 25 mm - 8 x 3/4 x 1"
027.025	Stone Chisel, oct, shank / 250 x 10 x 13 mm - 10 x 3/8 x 1/2"
027.026	Stone Chisel, oct, shank / 250 x 12 x 16 mm - 10 x 1/2 x 5/8"
027.027	Stone Chisel, oct, shank / 250 x 12 x 18 mm - 10 x 1/2 x 11/16"
027.028	Stone Chisel, oct, shank / 250 x 12 x 19 mm - 10 x 1/2 x 3/4"
027.029	Stone Chisel, oct, shank / 250 x 15 x 19 mm - 10 x 5/8 x 3/4"
027.030	Stone Chisel, oct, shank / 250 x 15 x 22 mm - 10 x 5/8 x 7/8"
027.031	Stone Chisel, oct, shank / 250 x 18 x 22 mm - 10 x 3/4 x 7/8"
027.032	Stone Chisel, oct, shank / 250 x 18 x 25 mm - 10 x 3/4 x 1"
027.033	Stone Chisel, oct, shank / 250 x 20 x 25 mm - 10 x 25/32 x 1"
027.034	Stone Chisel, oct, shank / 250 x 22 x 28 mm - 10 x 7/8 x 1.1/8"
027.035	Stone Chisel, oct, shank / 250 x 25 x 32 mm - 10 x 1 x 1.1/4"
027.036	Stone Chisel, oct, shank / 300 x 12 x 16 mm - 12 x 1/2 x 5/8"
027.037	Stone Chisel, oct, shank / 300 x 12 x 19 mm - 12 x 1/2 x 3/4"
027.038	Stone Chisel, oct, shank / 300 x 15 x 19 mm - 12 x 5/8 x 3/4"
027.039	Stone Chisel, oct, shank / 300 x 15 x 22 mm - 12 x 5/8 x 7/8"
027.040	Stone Chisel, oct, shank / 300 x 18 x 22 mm - 12 x 3/4 x 7/8"
027.041	Stone Chisel, oct, shank / 300 x 18 x 25 mm - 12 x 3/4 x 1"
027.042	Stone Chisel, oct, shank / 300 x 20 x 25 mm - 12 x 25/32 x 1"
027.043	Stone Chisel, oct, shank / 300 x 22 x 28 mm - 12 x 7/8 x 1.1/8"
027.044	Stone Chisel, oct, shank / 300 x 25 x 32 mm - 12 x 7/8 x 1.1/8"



STONE CHISELS, octagonal shank, tool steel, lacquerred oven finish

027.045	Stone Chisel, oct, shank /	350 x 15 x 19 mm - 14 x 1 x 1.1/4"
027.046	Stone Chisel, oct, shank /	350 x 18 x 22 mm - 14 x 3/4 x 7/8"
027.047	Stone Chisel, oct, shank /	350 x 20 x 25 mm - 14 x 25/32 x 1"
027.048	Stone Chisel, oct, shank /	350 x 22 x 32 mm - 14 x 7/8 x 1.1/4"
027.049	Stone Chisel, oct, shank /	400 x 18 x 22 mm - 16 x 3/4 x 7/8"
027.050	Stone Chisel, oct, shank /	400 x 20 x 25 mm - 16 x 25/32 x 1"
027.051	Stone Chisel, oct, shank /	400 x 22 x 32 mm - 16 x 7/8 x 1.1/4"
027.055	Stone Chisel, oct, shank /	500 x 20 x 25 mm - 20 x 25/32 x 1"
027.056	Stone Chisel, oct, shank /	500 x 22 x 32 mm - 20 x 7/8 x 1.1/4"



POINTED CHISELS, octagonal shank, tool steel, lacquerred oven finish

026.001	Pointed Chisel, oct, shank /	125 x 10 mm - 5 x 3/8"
026.002	Pointed Chisel, oct, shank /	150 x 10 mm - 6 x 3/8"
026.003	Pointed Chisel, oct, shank /	150 x 12 mm - 6 x 1/2"
026.004	Pointed Chisel, oct, shank /	150 x 15 mm - 6 x 5/8"
026.005	Pointed Chisel, oct, shank /	175 x 12 mm - 7 x 1/2"
026.006	Pointed Chisel, oct, shank /	175 x 15 mm - 7 x 5/8"
026.007	Pointed Chisel, oct, shank /	200 x 10 mm - 8 x 3/8"
026.008	Pointed Chisel, oct, shank /	200 x 12 mm - 8 x 1/2"
026.009	Pointed Chisel, oct, shank /	200 x 15 mm - 8 x 5/8"
026.010	Pointed Chisel, oct, shank /	200 x 18 mm - 8 x 3/4"
026.011	Pointed Chisel, oct, shank /	250 x 10 mm - 10 x 3/8"
026.012	Pointed Chisel, oct, shank /	250 x 12 mm - 10 x 1/2"
026.013	Pointed Chisel, oct, shank /	250 x 15 mm - 10 x 5/8"
026.014	Pointed Chisel, oct, shank /	250 x 18 mm - 10 x 3/4"
026.015	Pointed Chisel, oct, shank /	250 x 20 mm - 10 x 25/32"
026.016	Pointed Chisel, oct, shank /	250 x 22 mm - 10 x 7/8"
026.017	Pointed Chisel, oct, shank /	250 x 25 mm - 10 x 1"
026.018	Pointed Chisel, oct, shank /	300 x 12 mm - 12 x 1/2"
026.019	Pointed Chisel, oct, shank /	300 x 15 mm - 12 x 5/8"
026.020	Pointed Chisel, oct, shank /	300 x 18 mm - 12 x 3/4"
026.021	Pointed Chisel, oct, shank /	300 x 20 mm - 12 x 25/32"
026.022	Pointed Chisel, oct, shank /	300 x 22 mm - 12 x 7/8"
026.023	Pointed Chisel, oct, shank /	300 x 25 mm - 12 x 1"
026.075	Pointed Chisel, oct, shank /	325 x 20 mm - 13 x 25/32"
026.024	Pointed Chisel, oct, shank /	350 x 15 mm - 14 x 5/8"
026.025	Pointed Chisel, oct, shank /	350 x 18 mm - 14 x 3/4"
026.026	Pointed Chisel, oct, shank /	350 x 20 mm - 14 x 25/32"
026.027	Pointed Chisel, oct, shank /	350 x 22 mm - 14 x 7/8"
026.028	Pointed Chisel, oct, shank /	400 x 18 mm - 16 x 3/4"
026.029	Pointed Chisel, oct, shank /	400 x 20 mm - 16 x 25/32"
026.030	Pointed Chisel, oct, shank /	400 x 22 mm - 16 x 7/8"
026.033	Pointed Chisel, oct, shank /	500 x 20 mm - 20 x 25/32"
026.034	Pointed Chisel, oct, shank /	500 x 22 mm - 20 x 7/8"



VERIBOR Suction Lifters

Universal suction lifters for handling all kind of loads. Makes working with unwieldy parts quicker and more effective.

Suitable for all materials with smooth, flat, airtight surfaces such as glass, plastic, metal, coated wood, marble, etc.

The vacuum is produced by pressing the lever down. With the rubber pads relaxed, the suction lifter must be firmly pressed onto the surface. When pressing the lever down, you should noticeably feel the resistance by the vacuum.

602.0 VERIBOR suction lifter, 2 cups, aluminium

Diameter of suction disc	abt. 120 mm
Lifting capacity/- direction	abt. 90 kgs.

602.0



602.4 VERIBOR suction lifter, 2 cups, aluminium

Diameter of suction disc	abt. 120 mm
Lifting capacity/- direction	abt. 80 kgs.

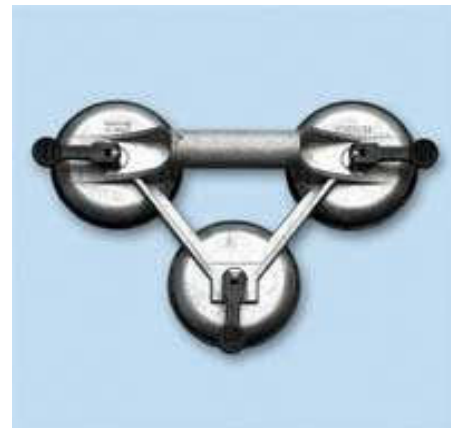
602.4



603.0 VERIBOR suction lifter, 3 cups, aluminium

Diameter of suction disc	abt. 120 mm
Lifting capacity/- direction	abt. 140 kgs.

603.0



HERMANN JAEGER GMBH - HAMBURG / GERMANY

VERIBOR Suction Lifters

Universal suction lifters for handling all kind of loads. Makes working with unwieldy parts quicker and more effective.

Suitable for all materials with smooth, flat, airtight surfaces such as glass, plastic, metal, coated wood, marble, etc.

The vacuum is produced by gripping the two-part handle together. With the rubber pads relaxed, the suction lifter must be firmly pressed onto the surface. When pressing the lever down, you should noticeably feel the resistance by the vacuum.

Special feature:

The handle allows one-handed operation and thus quick, efficient work

600.0 VERIBOR suction lifter, single cup, aluminium

Diameter of suction disc	abt. 120 mm
Lifting capacity/- direction	abt. 40 kgs.

600.0



SILBERSCHNITT Glass Cutters

SILBERSCHNITT Glass Cutter with 6 cutting wheels made from alloyed stainless steel and tempered by a patented method guarantee high cutting quality and long service life.

Turrets and cutting heads are nickel plated. An oil-soaked felt ring supplies lubrication for wheels and axle.

The handle is produced exclusively from ecologically controlled and approved kinds of wood.

The SILBERSCHNITT glass cutters are particularly economical because wheels and turrets are replaceable.

This cutter is suitable for general cutting requirements of glass with a thickness of 3 to 10 mm.

Straight edge stand-off distance 2,5 mm

No. 100.0



No. 110.0 (heavy duty model)



SILBERSCHNITT Circle Cutters

SILBERSCHNITT Circle Cutters
with 6 steel wheels on a Turret
wheels + turrets are replaceable
Cutting range from 40 to 200 cm diameter

Art. No.	Cutting range (Diameter)
510.0	up to 40 cm
510.1	up to 17"
511.0	up to 60 cm
511.1	up to 24" (60 cm)
513.0	up to 100 cm
513.1	up to 40" (100 cm)
514.0	up to 120 cm
514.1	up to 48" (120 cm)
515.0	up to 160 cm
515.1	up to 64" (160 cm)
516.0	up to 200 cm
516.1	up to 80" (200 cm)

510.0



SILBERSCHNITT Circle Cutters for diam. up to 60 cm
with 6 steel wheels on a Turret
simple execution, with rubber suction pad,
cutting head made of plastic,
smallest possible diameter 50 mm

501.0



SILBERSCHNITT Circle Cutters for thick glass
high level of operational safety due to heavy-duty
construction. The ball handle above the wheel holder
ensures the even transmission of the required cutting
pressure for thick glass of 10 - 25 mm

Art. No.	Cutting range (Diameter)
521.0	up to 120 cm
521.1	up to 180 cm

521.0



JAPANESE SCRAPERS



- 310050 50 mm Japanese Scraper packed p. 10 pcs. in polybag
- 310080 80 mm Japanese Scraper packed p. 10 pcs. in polybag
- 3100100 100 mm Japanese Scraper packed p. 10 pcs. in polybag
- 3100120 120 mm Japanese Scraper packed p. 10 pcs. in polybag
- 3001000 Japanese Scraper Set ea. 1 pc. 50-80-100-120 mm in polybag

ADJUSTABLE FILE HOLDERS



- 2160002 Adjustable File Holder 355 mm
without file blade



65S/3000 Pajarito Scraper Set w. Alu-grip, ea. 4 pcs. 50-80-105-120 mm, boxed p. 25 set
65S/5000 Pajarito Scraper Set w. Alu-grip, ea. 4 pcs. 50-80-105-120 mm, boxed p. 25 set



HUNTER



No. 30

30-200-020	Paint Scraper	20 mm
30-200-030	Paint Scraper	30 mm
30-200-040	Paint Scraper	40 mm
30-200-050	Paint Scraper	50 mm
30-200-060	Paint Scraper	60 mm
30-200-070	Paint Scraper	70 mm
30-200-080	Paint Scraper	80 mm
30-200-090	Paint Scraper	90 mm
30-200-100	Paint Scraper	100 mm
30-200-120	Paint Scraper	120 mm
30-200-140	Paint Scraper	140 mm

HERMANN JAEGER GMBH - HAMBURG / GERMANY

PAINT-, RADIATOR ROLLERS & -REFILLS

Professional and industrial painter's rollers
50 mm diameter roller body, seamless,
with 8 mm frame



Cover: **Golden Stripes (Grilon)**

Polyamid woven base - top quality for painters
20 mm pile height - good paint-holding capacity and dispersion
Suitable for indoor and outdoor work

Size	Article No. complete	Article No. roller refill	Article No. spare frame
18 cm	235018	235518	905018 red 905118 blue
25 cm	235025	235525	905025-red 905125-blue

**235025 /
2021**



Cover: **LP-white**

Synthex woven base
20 mm pile height - good paint-holding capacity and dispersion
Suitable for indoor and outdoor work

Size	Article No. complete	Article No. roller refill	Article No. spare frame
18 cm	204018	204518	905018 red 905118 blue
25 cm	204025	204525	905025-red 905125-blue

**204025 /
2115**



Household rollers - frame 6 mm - not exchangeable

Cover: **Vestan-white**

Polyester knitted base
20 mm pile height - extra fluffy -
suitable for all wall and ceiling paints

Size	Article No.
14 cm	100214
18 cm	100218
23 cm	100223
25 cm	100225

**100218 /
1001**



Household rollers - frame 6 mm - not exchangeable

Cover: **Vestan-yellow**

Polyester knitted base
22 mm pile height - extra fluffy and absorbant-
suitable for all wall and ceiling paints

Size	Article No.
14 cm	102214
18 cm	102218
23 cm	102223
25 cm	102225

**101218 /
1006L**



060

HERMANN JAEGER GMBH - HAMBURG / GERMANY

PAINT-, RADIATOR ROLLERS & -REFILLS

Radiator and varnishing rollers
with 6 mm frame

Cover: **Perlon white** roller body diameter 15 mm
woven base roller sleeve, 12 mm pile height

Size	Article No. complete	Article No. roller refill	Article No. spare frame
10 cm	501251 frame 27 cm	501210	903027-red 903127-blue
10 cm	501271 frame 41 cm	501210	903041-red 903141-blue
10 cm	501280 frame 60 cm	501210	903060-red 903160-blue
10 cm	roller refill in PVC-box	501211	



501271 /
5000

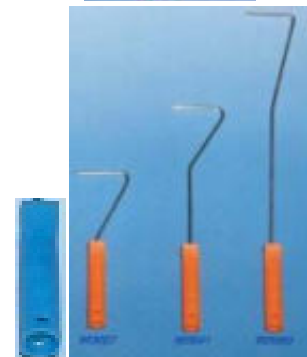


Cover: **Yellow stripe** roller body diameter 15 mm
Polyamid woven base 12 mm pile height

Size	Article No. complete	Article No. roller refill	Article No. spare frame
10 cm	504251 frame 27 cm	504210	903027-red 903127-blue
10 cm	504271 frame 41 cm	504210	903041-red 903141-blue
10 cm	504280 frame 60 cm	504210	903060-red 903160-blue
10 cm	roller refill in PVC-box	504211	

903027
903041
903060

blue hdl.



Cover: **Moltoprene fine** roller body diameter 15 mm
Polyester foam material 12 mm pile height

Size	Article No. complete	Article No. roller refill	Article No. spare frame
10 cm straight	530251 frame 27 cm	530210	903027-red 903127-blue
10 cm straight	530271 frame 41 cm	530210	903041-red 903141-blue
10 cm outside round	531251 frame 27 cm	531210	903027-red 903127-blue
10 cm outside round	531271 frame 41 cm	531210	903041-red 903141-blue

501210 /
5100



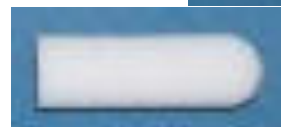
504210 /
5166



530210 /
5110



531210 /
5113



061



50034161	R. Roller-white Pertex , glued, 10 cm-4" compl. w. 42 cm frame, PU100
50034181-001-19	R. Roller-white Pertex , glued, 10 cm-4" compl. w. 66 cm frame, PU100
50034100-001	R. Roller Refill-white Pertex , 10 cm-4", p. 10 in PVC-box, PU840
50034100-537-13	R. Roller Refill-white Pertex , 10 cm-4", bulk, PU500
50013161	R. Roller-white Pertex , yellow strip, glued, 10 cm-4", compl. W. 42 cm frame, PU100
50013181-001-19	R. Roller-white Pertex , yellow strip, glued, 10 cm-4", compl. W. 66 cm frame, PU100
50013100-001	R. Roller Refill-white Pertex , yellow strip, glued, 10 cm-4", p. 10 in PVC-box, PU840
50013100-001-01	R. Roller Refill-white Pertex , yellow strip, glued, 10 cm-4", p. 10 in PVC-box, PU840

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Number & Letter Punches

S- Quality, pointed
for marking workpieces
with a strength of 600-800 N/mm²
Hardness at the engraving 58-60 HRC
up to size 15 mm packed in blue plastic boxes

No. 100

No. 101

No. 100 = Numbers from 0 - 9 = 9 pcs.

No. 101 = Capital Letters from A - Z + sign & = 27 pcs.

Size mm	Sq. X L mm	weights 0-9	A - Z
1-3	6 x 65	150 g	500 g
4	7 x 65	200 g	600 g
5	8 x 65	300 g	800 g
6	9 x 75	400 g	1200 g
7	11 x 76	600 g	1850 g
8	11 x 76	600 g	1850 g
10	12 x 80	800 g	2300 g
12	14 x 80	1100 g	3100 g
15	16 x 85	1500 g	4300 g



RP- Quality, with round-face-dot-style character
for marking workpieces
with a strength of up to 1600 N/mm²
Hardness at the engraving 58-60 HRC
Hardness at the stamping head 38-46 HRC
up to size 10 mm packed in blue plastic boxes

No. 143 = Numbers from 0 - 9 = 9 pcs.

No. 144 = Capital Letters from A - Z + sign & = 27 pcs.

Size mm	Sq. X L mm	weights 0-9	A - Z
2	7 x 75	300 g	800 g
3	8 x 75	350 g	1000 g
4	9 x 78	500 g	1300 g
5	10 x 78	600 g	1600 g
6	12 x 84	850 g	2400 g
8	16 x 90	1600 g	4600 g
10	16 x 90	1600 g	4600 g



HERMANN JAEGER GMBH - HAMBURG / GERMANY

STENCILS, made from zinc plate, DIN 1451

Numbers 0 - 9	Letters A - Z	Sizes mm
2010	3010	10 mm
2015	3015	15 mm
2020	3020	20 mm
2025	3025	25 mm
2030	3030	30 mm
2035	3035	35 mm
2040	3040	40 mm
2050	3050	50 mm
2060	3060	60 mm
2070	3070	70 mm
2080	3080	80 mm
2090	3090	90 mm
2100	3100	100 mm
2120	3120	120 mm
2150	3150	150 mm
2180	3180	180 mm
2200	3200	200 mm
2250	3250	250 mm
2300	3300	300 mm

bigger sizes are available, please specify



HERMANN JAEGER GMBH - HAMBURG / GERMANY

ARCH PUNCHES - DIN 7200 - MADE IN GERMANY

Series 010

for cardboard, rubber, leather, etc.

Range 1,0 to 7,0 mm diam. increasing by 0,5

Range 7,0 to 120 mm diam. increasing by 1,0 mm

INCH sizes from 1/32 to 4.1/2"

No. 010



ROUND PUNCHES - DIN 7200 - MADE IN GERMANY

Series 020

for cardboard, rubber, leather, etc.

Range 1,0 to 7,0 mm diam. increasing by 0,5

Range 7,0 to 25 mm diam. increasing by 1,0 mm

INCH sizes from 1/32 to 1"

No. 020



ARCH PUNCHES / ROUND PUNCHES in sets

Series 012 contains Arch Punches of series 010
packed in plastic roll-bags

Art. 012.0810 = 8 pcs. 3 - 25 mm
3-6-8-10-12-16-20-25 mm

Art. 012.0510 = 10 pcs. 3 - 25 mm
3-5-7-8-10-13-16-19-22-25 mm

No. 012



other sets are available

Series 022 contains Round Punches of series 020

Art. 022.0052 = 10 pcs. 3 - 25 mm
3-5-7-8-10-13-16-19-22-25 mm

other sets are available



U-2-200	Circular gasket cutter, 1 knife, till diam. 200 mm
U-2-300	Circular gasket cutter, 1 knife, till diam. 300 mm
U-2-400	Circular gasket cutter, 1 knife, till diam. 400 mm
U-2-600	Circular gasket cutter, 1 knife, till diam. 600 mm
U-2-800	Circular gasket cutter, 1 knife, till diam. 800 mm
U-2-1000	Circular gasket cutter, 1 knife, till diam. 1000 mm
U-2-1200	Circular gasket cutter, 1 knife, till diam. 1200 mm
U-3-200	Circular gasket cutter, 2 knives, till diam. 200 mm
U-3-300	Circular gasket cutter, 2 knives, till diam. 300 mm
U-3-400	Circular gasket cutter, 2 knives, till diam. 400 mm
U-3-600	Circular gasket cutter, 2 knives, till diam. 600 mm
U-3-800	Circular gasket cutter, 2 knives, till diam. 800 mm
U-3-1000	Circular gasket cutter, 2 knives, till diam. 1000 mm
U-3-1200	Circular gasket cutter, 2 knives, till diam. 1200 mm
U-8	Spare knife
U-9	Knife holder



KOCH-BOHRER

SAPHIR universal drills for percussion with ground flutes
Best for concrete, natural stone, brick, ceramics and marble

3 - 4 - 5 - 5,5 - 6 - 6,5 - 7 - 8 - 9 - 10 - 12 - 13 14 - 16 mm
as from diameter 6 mm also available
in length 150 + 200 mm



SAPHIR

RUBIN universal drills for percussion with ground flutes
Best for granite, concrete and marble

3 - 4 - 5 - 5,5 - 6 - 6,5 - 7 - 8 - 10 - 12 - 13 - 14 - 16 mm



RUBIN

DIN 8039 (Euro-Norm) Masonry drills, carbide tipped, for rotary and percussion
Finish: galvanized **OR** sand blasted

For available diameters + lengths please see the master-catalogue K-brand



DIN 8039 Masonry

SCREW EXTRACTORS



set in plastic box

No. 1 - 5
No. 1 - 6
No. 1 - 8



set incl. twist drills in metal box

No. 1 - 5 with twist drill
2,5-3-4,5-6-8 mm
No. 1 - 6 with twist drill
2,5-3-4,5-6-8-11 mm



SCREW EXTRACTORS

GLASS DRILLS

3 - 4 - 5 - 6 - 8 - 10 - 12 mm

TWIST DRILLS + sets DIN 338



GLASS DRILL

Please see the separate master-catalogue K-brand

066.1

HERMANN JAEGER GMBH - HAMBURG / GERMANY

DRILL BITS	
DIN 338 HSS	HSS twist drill DIN 338, Type N, short, rollforged 
DIN 338 HSS	HSS twist drill DIN 338, Type N, with reduced shank, rollforged 
DIN 338 HSS	HSS Spiralbohrer DIN 338, Type N, short, ground, bright 
DIN 338 HSS	HSS Spiralbohrer DIN 338, Type N, short, ground, TIN coated 
DIN 338 HSS	HSS Spiralbohrer DIN 338, Type N, short, ground, bright, with split point 
DIN 338 HSS	HSS Spiralbohrer DIN 338, Type N, short, ground, bright, with split point, TIN coated 
DIN 338 HSSE (HSSCo5)	HSSE Spiralbohrer DIN 338, Type N, short, ground, bright, with split point, 5% cobalt-alloyed 
DIN 340 HSS	HSS twist drill DIN 340, Type N, long series, rollforged 
DIN 340 HSS	HSS twist drill DIN 340, Type N, long series, ground, bright 
DIN 345 HSS	HSS twist drill DIN 345, with taper shank 
DIN 1897 HSS	HSS twist drill DIN 1897, Type N, with straight shank, ground, extra short 
sim. DIN 1897	HSS rivet drill, similar DIN 1897, type N, with straight shank, ground, works standard 
DIN 8039	Masonry drill bit, Standard-Quality, galvanized, with red tip, for rotary and percussion drilling 
BETON	Percussion drill bit, for rotary and percussion drilling, universal use 
SDS	SDS Hammer drill SDS Hammer drill bit 
WOOD	Wood working drill bit, with cylindrical shank, for soft- and hard wood, hardened special steel, with center point and 2 cutting edges 
	Auger bit for all kinds of wood, with hexagonal shank, milled 
	Forstner bit with cylindrical shank, for soft/hard wood, hardened sp. steel, with center point and 2 cutting edges 
	Flat wood drills with hexagonal shank, for drills in soft wood, polished, with brad point 

067

Twist drills DIN 345 type N HSS milled

Point cut: helical point
with split point DIN 1412 A
Point angle: 118°
Helix angle: 20-30°
Ø tolerance: h8
Surface: bright / ground
Cutting direction: right-hand cutting

Highly efficient standard drill with

morse taper usable for all drilling work
in normal materials. High security
against fracture.

Applications: for steel and cast-steel
alloyed and unalloyed up to approx.
900 N/mm² strength, grey cast,
malleable cast iron, die-cast metal, iron
sinter, nickel-silver, graphite cast iron,
short-chipping aluminium alloys,
bronze and brass.



**VARIOUS DRILL SETS ARE AVAILABLE
in metal boxes / plastic boxes**



Colour of the boxes might differ from the a/m pictures

Please specify your demand

068

Drill bits with SDS shank

SDS-plus Rotary Hammer Drill Bit

For rotary hammers with SDS-plus or 2-slot bit reception.

For use in concrete, masonry and natural stone.

The slender chisel-shaped drill bit head enables the bit to penetrate rapidly into the hardest materials

Dust and debris are removed quickly via the short, straight reliefs and carried away by the asymmetrical double flute.

A linear core reinforcement improves stability allowing unequalled power transmission from the rotary hammer to the bit tip.

Narrow lands reduce friction and vibration, relieving the strain on the user and the power tool.

State-of-the-art heat treatment and shot-peening surface compression techniques guarantee a wear-resistant surface and make the drill bit resistant to bending stress.

Constantly updated hardening and brazing techniques ensure a consistently high-quality construction and superior life.

Our cleaning and surface treatment systems comply with the strictest environmental criteria and are extremely environment-friendly.

When using drill bits longer than 450 mm, it is necessary to predrill to a depth of at least 150 mm.



SDS-PLUS

Rotary Hammer Drill Bit 4 PLUS

On-the-job tests under extreme conditions have proven that the intelligent design of the new rotary hammer drill Bit 4 PLUS sets new standards in terms of efficiency and performance.

Already after a short period of time this new product has proven itself millions of times over and has redefined the requirements of a professional rotary hammer drill bit.

Additionally, these new standards in drilling speed and life expectancy substantially reduce the drilling cost per hole

For rotary hammers with SDS-plus or 2-slot bit reception.

For use in concrete, masonry and natural stone.

The convincing features of the rotary hammer drill bit 4 PLUS are immediately recognized and continuously followed-up later by orders

With its spacious KVS-flute and the unique and aggressive carbide tip design the rotary hammer drill bit 4 PLUS sets new standards.

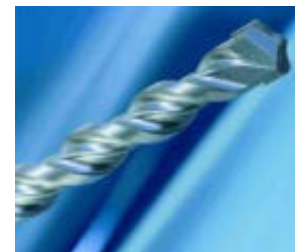
Modern thermal treatment and a special surface finish reduce the wear of the bit and improve its resistance against bending forces.

Continual research in brazing and heat-treating methods ensure safe brazing seams with maximum adhesion.

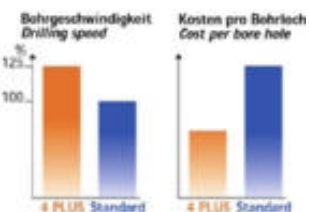
Our cleaning and rust protection processes meet strict environmental criteria and are friendly to the environment.

Suitable for rotary hammers of the 2 to 4 kg range.

When using drill bits longer than 450 mm it is recommended to predrill to a depth of at least 150 mm.



4 PLUS



SDS-plus shank



SDS-max shank

068.1



2908-01	Drill Chuck type 116 3/8x24 8 l female c/w key
2910-51	Drill Chuck type 116 3/8x24 10 l female c/w key
2910-52	Drill Chuck type 116 1/2x20 10 l female c/w key
2913-51	Drill Chuck type 116 3/8x24 13 l female c/w key
2913-52	Drill Chuck type 116 1/2x20 13 l female c/w key
2916-03	Drill Chuck type 116 5/8x16 16 l female c/w key



2854-00/S1	Chuck Key S 1 opening 8	bulk packed
2858-00/S2	Chuck Key S 2 opening 10/13	bulk packed
2863-00/S3	Chuck Key S 3 opening 16	bulk packed
2836-00/S14	Jacobs Gear Chuck Key S 14 KG opening 6/8/10	bulk packed
2738-00/S8	Jacobs Gear Chuck Key S 8 K 30 opening 13	bulk packed

LFA DRILL CHUCKS (KEY TYPE)

Class L (light) :

For any portable corded or cordless drill, with or without percussion

Capacity : 8 mm, 10 mm, 13 mm

Available threaded mountings : 5/16 - 24, 3/8 - 24, 1/2 - 20, 3/8 - 24 ext

Available tapered mountings : J1, J2, J6, B12, B16

With or without any through hole



Class M (medium) :

For any professional portable corded drill, with or without percussion and fixed drill

Capacity : 8 mm, 10 mm, 13 mm, 16 mm

Available threaded mountings : 3/8 - 24, 1/2 - 20, 5/8 - 16, 14 - 200, 18 - 250

Available tapered mountings : B10, B12, B16, B18, J1, J2, J6, J33

With or without any through hole.



Class H (high) :

For any fixed drill

Capacity : 4mm, 6,5 mm, 8 mm, 10 mm, 13 mm, 16 mm, 20 mm, 26 mm

Available tapered mountings : B10, B12, B16, B18, B22, B24, J0, J1, J2, J4, J6, J33

With or without any through hole.



LFA DRILL CHUCKS (KEYLESS TYPE)

Class L (light) :

For any portable corded or cordless drill, with or without percussion



Double sleeve

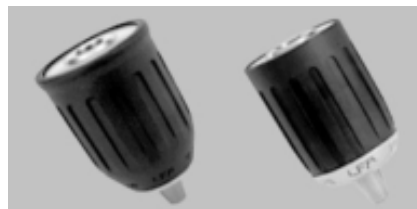
Capacity : 10 mm, 13 mm (with or without locking system)

plastic sleeves

Available threaded mountings : 3/8 - 24, 1/2 - 20

Available tapered mountings : J2, B12, B16

With or without any through hole.



Single Sleeve

WARNING : A single sleeve keyless chuck is suitable for cordless or corded drills with spindle lock only.

LFA DRILL CHUCKS (KEYLESS TYPE)

Class M (medium) :

For any professional corded portable drill, with or without percussion



Capacity : 13 mm (with locking system)

metal sleeves

Available threaded mountings : 3/8 - 24, 1/2 - 20

Available tapered mountings : B12, B16

With or without any through hole.



NOTE : Our LFA 13 mm keyless chucks are available with or without locking system. The ratchet locking system (patented) is suitable for the impact drills because it's in charge of preventing the keyless chuck from opening in case of impact action use.

LFA SELF-TIGHTENING DRILL CHUCKS (KEYLESS TYPE)

Class M (medium) :

For any corded or fixed drill, without percussion.

Capacity : 6,5 mm, 8 mm, 10 mm, 13 mm, 16 mm

metal sleeve

Available threaded mountings : 3/8 - 24, 1/2 - 20, 5/8 - 16

Available tapered mountings : J1, J2, J3, J6, J33, B10, B12, B16, B18



Class H (high) :

For any fixed drill or machine tool.

Capacity : 8 mm, 10 mm, 13 mm, 16 mm

metal sleeve

Available tapered mountings : J1, J2, J6, J33, B10, B12, B16,



ACCESSORIES



Drill Chuck Keys



hex. adapter



SDS-Adapter

ACCESSORIES

Arbors : For fixed drills:
with morse tapers
with straight shanks
with R8 tapers

morse taper

For CNC machine tools :
with ISO cones



LFA

Reduction sleeves:
For fixed drills:
with morse tapers

morse taper



Extensions:
with morse tapers



Drifts :



CNC CHUCKS

capacity : 13 mm

Tool holders according to ISO 7388.1 and DIN 69871 A/B/AD
CAT 40, ANSI B5 - 50 or MAS 403 BT standards



LFA

capacity : 13 mm

Tool holders according to SO 7388.1 and DIN 69871-A or MAS 403 BT



072



Tap holder with ratchet
for right- and left-hand turn

- No. 1 for taps M 3 -10 / Squares 2,4 - 5,5 mm
- No. 2 for taps M 5 -12 / Squares 4,5 - 8,0 mm
- No. 10 for taps M 3 -10 / Squares 2,4 - 5,5 mm
- No. 20 for taps M 5 -12 / Squares 4,5 - 8,0 mm



Adjustable Tap Wrenches

DIN 1814

Zinc die cast

- No. 0 (M 1 - 8) to No. 5L (M 13 - 32)

DIN 1814

Steel

- No. 0 (M 1 - 8) to No. 8 (M 25 - 64)



Die Stocks

DIN 225 (EN 22568)

Zinc die cast

- Diam. 16 x 5 (M1 - 2,6) to 65 x 25 (M27 - 36)

DIN 225 (EN 22568)

Steel

- Diam. 45 x 18 (M16 - 20) to 120 x 36 (M64 - 71)

- Diam. 130 x 25 (G 3") to 160 x 25 (G 4")



Die Stocks

Inch - with 3 screws

Zinc die cast

- Diam. 13/16" to 4"



Tap Extensions

DIN 377, squares acc. to DIN 10

- Square 2,1 mm / Length 60 mm

up to

- Square 32 mm / Length 285 mm

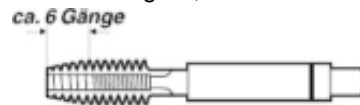


For more details please refer to the main catalogues

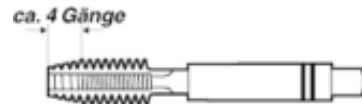


Leads of Hand Taps, Sets of 3 pcs.

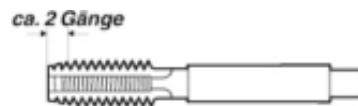
Nr. 1 Rougher, 6-8 Threads Lead



Nr. 2 Intermediate, 4-5 Threads Lead

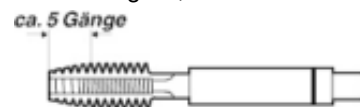


Nr. 3 Finisher, 2-3 Threads Lead

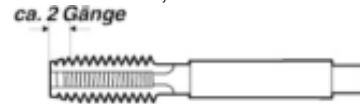


Leads of Hand Taps, Sets of 2 pcs.

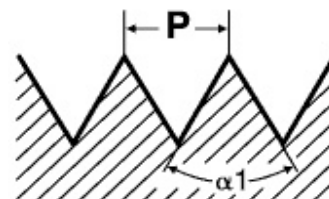
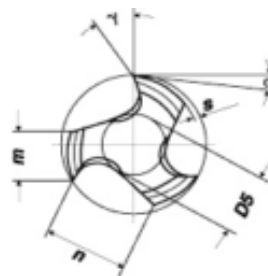
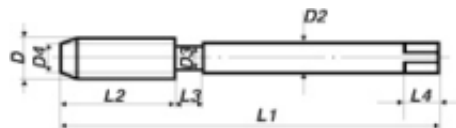
Nr. 1 Rougher, 5-6 Threads Lead



Nr. 2 Finisher, 2-3 Threads Lead



D	Nominal diameter
D2	Shank diameter
D3	Neck diameter
D4	Point diameter
D5	Minor diameter
L1	Overall length
L2	Thread length
L3	Neck length
L4	Square length
P	Pitch
a	Square
m	Land width
n	Flute width
s	Thread relief
α	Relief angle
γ	Rake angle
α1	Thread angle





Form B Spiral point



Form C35° Spiral flute



Form C



Form D

Short Machine Taps

Technical Information

Form A 6-8 Threads Lead,
for short through holes

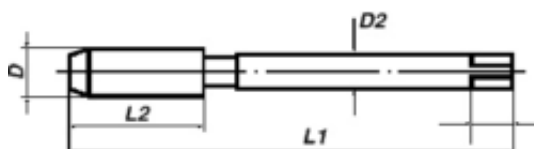
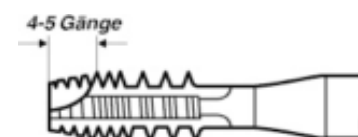
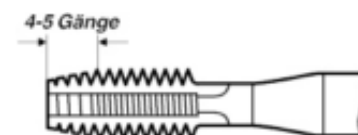
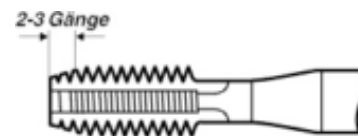
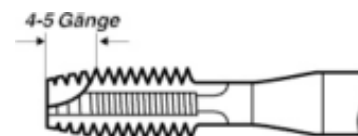
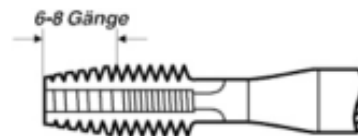
Form B 4-5 Threads Lead with Spiral Point,
for through holes

Form C 2-3 Threads Lead,
for blind holes

Form D 4-5 Threads Lead,
for through and blind holes

**Form C/35°
RSP** 2-3 Threads Lead,
35° Spiral Flute, for blind holes

Form B-AZ
4-5 Threads Lead with Spiral Point and
interrupted threads for through holes





Form A



Form C



Form B



Form C 15°



Form C 35°



Form B-AZ

Machine Taps

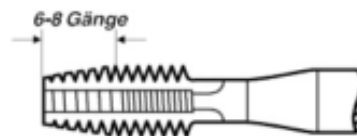
Technical Information

Through hole



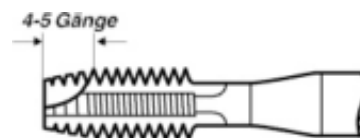
Form A

6-8 Threads Lead,
for through holes



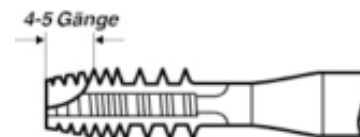
Form B

4-5 Threads Lead with Spiral Point,
for through holes



Form B-AZ

4-5 Threads Lead with Spiral Point and
interrupted threads for through holes

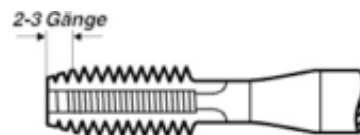


Blind hole



Form C

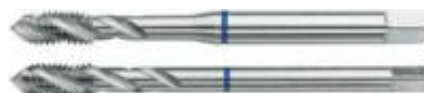
2-3 Threads Lead,
for blind holes



Form C/35°

RSP

2-3 Threads Lead,
35° Spiral Flute, for blind holes



GREEN / BLUE / WHITE ring
available in Form B and C/39° RSP



Recommended Application of Machine Taps

Form	A	C	B	C15°RSP	C35°RSP	B-AZ
Bore						

Material

Structural Steel up to 500 N/mm	A	C	B	15°RSP	35°RSP	B-AZ
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Structural Steel over 500 N/mm	A	C	B	15°RSP	35°RSP	
free cutting Steel			B		35°RSP	
Cementation Steel, heat treatable Steel			B		35°RSP	B-AZ
Tool Steel			B		35°RSP	
Stainless Steel			B		35°RSP	B-AZ
Cast Steel			B	15°RSP	35°RSP	
Cast Iron, spheroidal graphite Iron		C				
Malleable Cast Iron	A	C	B	15°RSP	35°RSP	
Brass, short-chipping		C				
Brass, long-chipping			B	15°RSP	35°RSP	
Bronzes			B		35°RSP	
Copper			B	15°RSP	35°RSP	
Al-alloys, short chipping		C	B		35°RSP	
Al-alloys, long chipping			B	15°RSP	35°RSP	B-AZ
Zinc Alloys			B	15°RSP	35°RSP	
Magnesium Alloys		C	B		35°RSP	B-AZ
Thermo-plastics			B		35°RSP	
Thermo-setting Plastics		C				



Round Dies HSS, DIN 223

SOLID type (Form B)

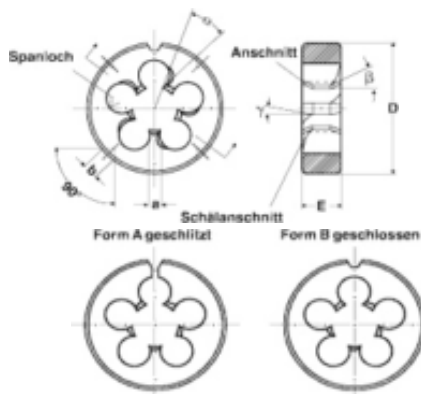


Round Dies HSS

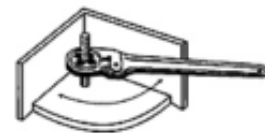
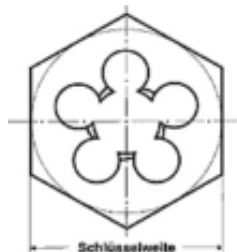
SPLIT type (Form A)



Hexagon Die Nut HSS, DIN 382



D= Outside diameter
E= Width of die
a= Width of land
b= Hole for holding screws
 α = Rake angle
 β = Lead angle
 γ = Angle of gun nose



The **VÖLKE** Taps & Dies are available in various set combinations - Please refer to the main catalogue





V-Coil Thread-Repair

Drilling

Clear the damaged thread with a Standard Drill.
Up to M 12 (1/2") the KITS include the correct drill.
To repair a spark plug thread no pre-drilling is necessary if using the special Spark Plug Tap.
Please pay attention that for Fluteless Taps bigger holes are required.

Check

Check that thread and pitch of the tap and the bolt match.

Tapping

Use the special V-COIL-Taps for cutting the holding thread into the cleared hole.
It is recommended to use a suitable cutting oil.

Install the Insert

Place insert on Installation Tool and position the adjustable ring so that the insert tang is centred in the tang slot.

Wind the Insert in with a light downward pressure until a half turn below the surface. Don't work against thread direction as the tang could break.

Tang Removal

After finishing lift the Installation Tool and use the Tang Break Tool to remove the tang. For bigger sizes and Spark Plug Taps use Long Nose Pliers to remove the tang.

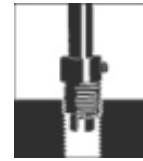
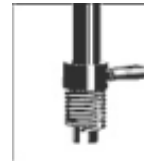
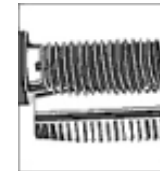
Due to the narrow and exact tolerances the new thread normally is stronger than the original one.

Application:

Thread Armour Plating. For material with low shear strenght eg. aluminum-alloys and magnesium alloys. Used in machine-building, electrical, automotive, medical and aerospace industries.

Thread Repair of damaged or worn-out threads.

Recovery of rejected items.





STI-Fluteless Tap



STI-Tap (Second Lead)



STI-Machine Tap (Spiral Point)



STI-Machine Tap (Spiral Flute)



Inserting Tool



Tang Break Tool



Extracting Tool



Machine Inserting Tool



Wire-Thread-Inserts



Single Thread Repair Kit



Thread-Repair Kit
STI-Taps, set of 2 pcs.
Inserting tool with Hexagon Drive



Workshop Thread Repair Kit

CUTTERS

SHELL END MILLS CUTTERS

DIN 1880 Form N normal teth
 Form W coarse teeth
 Form H fine teeth

available in HSS or HSSCo8



SHELL END MILLS - ROUGHING CUTTERS

DIN 1880 Form NR roughing chip braker
 Form NF flatt chip braker

available in HSS or HSSCo8



SHELL END MILLS CUTTERS WITH DRIVING SLOT AND STANDARD KEYWAY

DIN 1880 Form N normal teth
 Form W coarse teeth
 Form H fine teeth

available in HSS or HSSCo8



SIDE AND FACE CUTTERS PLAIN TEETH

DIN 885 Form B (straight teeth) / Typ H (fine teeth)



SINGLE END MILLS

DIN 844 Form A K N
 A - plain shank
 K - short
 N - normal teeth

available in HSS or HSSCo8



Please ask your separate catalogue or better please specify your demand



MEASURING TOOLS - SCREW PITCH GAUGES



Art.No.	Description
400-28	Screw Pitch Gauge-28 blades Whitworth 55° 1/16-2.1/2"
401-20	Screw Pitch Gauge-20 blades 60° M0.4-M7.0
402-24	Screw Pitch Gauge-24 blades 60° M0.25-M6.0
403-6	Screw Pitch Gauge-6 blades Whitworth pipe 1/8-2.1/2"
404-48	Screw Pitch Gauge-48 blades-20 M0.4-M7+28 1/16-2.1/2"
405-52	Screw Pitch Gauge-52 blades-24 60° M0.25-6+28 55° 1/16-2.1/2"
406-58	Screw Pitch Gauge-58 bl.-24 60° M0.25-6+28 55° 1/16-1/2"+6 Ww pipe 1/16-2.1/2"
407-30	Screw Pitch Gauge-30 blades American thread US pitch 4-42-60°
408-14	Screw Pitch Gauge-14 blades SAE 60° pitch 10-40
409-22	Screw Pitch Gauge-22 blades American thread US pitch 4-64-60°
410-16	Screw Pitch Gauge-16 blades American thread US pitch 12-80-60°
411-52	Screw Pitch Gauge-52 blades American thread US pitch 4-84-60°
414-24	Screw Pitch Gauge-24 blades metric-ISO 0.25-6-60°

MEASURING TOOLS - FEELER GAUGES

Please add to the Art. Number

S = with Screw

R = with Rivet

as per example given for the first two items



METRIC

100/3-8-100S	Feeler Gauge w. screw- 8 con. blades 0.05-0.50x100 mm
100/3-8-100R	Feeler Gauge w. rivet - 8 con. blades 0.05-0.50x100 mm
100/7-13-100	Feeler Gauge -13 con. blades 0.05-1.00x100 mm
100/10-20-100	Feeler Gauge -20 con. blades 0.05-1.00x100 mm
100/1-8-100	Feeler Gauge - 8 con. blades 0.03-0.10x100 mm
100/4-9-100	Feeler Gauge - 9 con. blades 0.03-0.15x100 mm
100-10-100	Feeler Gauge -10 con. blades 0.03-0.50x100 mm
100/18-10-100	Feeler Gauge -10 con. blades 0.05-0.80x100 mm
100-18-100	Feeler Gauge -18 con. blades 0.05-1.00x100 mm
100/12-21-100	Feeler Gauge -21 con. blades 0.10-0.50x100 mm
100/13-21-100	Feeler Gauge -21 con. blades 0.05-2.00x100 mm
100/15-26-100	Feeler Gauge -26 con. blades 0.03-1.00x100 mm
100/7-13-150	Feeler Gauge -13 con. blades 0.05-1.00x150 mm
100/7-13-200	Feeler Gauge -13 con. blades 0.05-1.00x200 mm
100/7-13-300	Feeler Gauge -13 con. blades 0.05-1.00x300 mm

METRIC / INCH

100/3-8-100/4"	Feeler Gauge - 8 con. blades 0.05-0.5 mm/.0020-.020"x100 mm
100/7-13-100/4"	Feeler Gauge -13 con. blades 0.05-1.00 mm/.0020-.040"x100 mm
100/10-20-100/4"	Feeler Gauge -20 con. blades 0.05-1.00 mm/.0020-.040"x100 mm
100/15-26-100/4"	Feeler Gauge -26 con. blades 0.03-1.00 mm/.0012-.040"x100 mm

HERMANN JAEGER GMBH - HAMBURG / GERMANY

MEASURING TOOLS - FEELER GAUGES

Please add to the Art. Number

S = with Screw

R = with Rivet

as per example given for the first two items



INCH

101/3-8-4"S	Feeler Gauge w. screw- 8 con. blades 2-20/1000x4"
101/3-8-4"R	Feeler Gauge w. rivet- 8 con. blades 2-20/1000x4"
101/7-13-4"	Feeler Gauge -13 con. blades 2-35/1000x4"
101/10-20-4"	Feeler Gauge -20 con. blades 2-35/1000x4"
101/14-20-4"	Feeler Gauge -20 con. blades 2-40/1000x4"
101/4-9-4"	Feeler Gauge - 9 con. blades 1.5-15/1000x4"
101/5-10-4"	Feeler Gauge -10 con. blades 1.5-25/1000x4"
101/12-22-4"	Feeler Gauge -22 con. blades 4-25/1000x4"
101/13-27-4"	Feeler Gauge -26 con. blades 1.5-25/1000x4"
101/7-13-150	Feeler Gauge -13 con. blades 2-35/1000x6"
101/7-13-200	Feeler Gauge -13 con. blades 2-35/1000x8"
101/7-13-300	Feeler Gauge -13 con. blades 2-35/1000x12"

MEASURING TOOLS - LONG NARROW PISTON FEELER on ring

Precision Feeler Gauges, long
cylindrical blades, width 13 mm

available lengths	100 - 200 - 300 - 400 - 500 - 600 - 800 - 1000 mm
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METRIC

Art. 202/2 = 8 blades	0,05 - 0,50 mm
Art. 202/4 = 13 blades	0,05 - 1,00 mm
Art. 202/6 = 20 blades	0,05 - 1,00 mm
Art. 202/8 = 20 blades	0,10 - 2,00 mm

INCH

Art. 202/2 = 8 blades	2 - 20/1000"
Art. 202/4 = 13 blades	2 - 35/1000"
Art. 202/6 = 20 blades	2 - 40/1000"
Art. 202/8 = 20 blades	4 - 80/1000"



MEASURING TOOLS - ANGULAR THREAD CUTTER

Art. 310-55°	Angular Thread Cutter Gauge WW form 55°
Art. 311-60°	Angular Thread Cutter Gauge METRIC form 60°



MEASURING TOOLS - UNIVERSAL GRINDING GAUGE

Art. 350	combines twist drill grinding gauge, entre gauge 55° and 60°, hexagon and right angle
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083

MEASURING TOOLS - ACME Thread Gauge

Art. 330	ACME Thread Gauge for Acme threads from 2-12 mm pitch acc. DIN 103 with flank angle 30°
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MEASURING TOOLS - RADIUS GAUGES

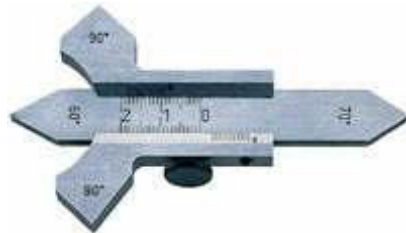
Radius Gauges, concave and convex form

normal steel	Radil	Blades
Art. 420/1	1 - 7 mm	17
Art. 420/2	7,5 - 15 mm	16
Art. 420/3	15,5 - 25 mm	15
INOX - stainl. steel		
Art. 420/4R	1 - 7 mm	17
Art. 420/5R	7,5 - 15 mm	16
Art. 420/6R	15,5 - 25 mm	15
normal steel		
Art. 430/a	1/32 - 1/4"	16
Art. 430/b	17/64 - 1/2"	16



MEASURING TOOLS - WELDING SEAM GAUGES

Art. 721	Welding Seam Gauge w. angles of 60° 70°-80°-90°-reading by vernier
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MEASURING TOOLS - THICKNESS GAUGE BAND

Thickness gauge band of length 2, 3, or 5 m, width 12,7 mm
up to thickness 0,80 mm in box, otherwise rolled
Size 0,01 + 0,02 are only available in INOX = stainless steel

other sizes can be supplied in stainless steel too

Art. 220	Lengths 2 - 3 - 5 m
	Thickness
	0,01 - 0,02 - 0,03 - 0,04 - 0,05 - 0,06 - 0,07 - 0,08 - 0,09 - 0,10
	0,12 - 0,14 - 0,15 - 0,16 - 0,17 - 0,18 - 0,20 - 0,22 - 0,24 - 0,25
	0,26 - 0,28 - 0,30 - 0,35 - 0,40 - 0,45 - 0,50 - 0,55 - 0,60 - 0,65
	0,70 - 0,75 - 0,80 - 0,85 - 0,90 - 0,95 - 1,00



HERMANN JAEGER GMBH - HAMBURG / GERMANY

MEASURING TOOLS - PIMETER

PIMETER Special Steel Measures with vernier, suitable for measuring circumference and diameter, graduation in mm, reading by $\pm 0,10$ mm

	for circumference	for diameter
Art. 1237 / 1	60 - 950 mm	20 - 300 mm
Art. 1237 / 2	940 - 2200 mm	300 - 700 mm
Art. 1237 / 3	2190 - 3460 mm	700 - 1100 mm
Art. 1237 / 4	3450 - 4720 mm	1100 - 1500 mm
Art. 1237 / 5	4710 - 5980 mm	1500 - 1900 mm
Art. 1237 / 6	5690 - 7230 mm	1900 - 2300 mm



also available in execution INOX = stainless steel

For other measuring tools and instruments please sent your detailed enquiry



BALANCES



- 102124 REBÜRE Spring Pocket Balance - 11.0 kg/ 22 lbs.-I
- 102125 REBÜRE Spring Pocket Balance - 12.5 kg/ 25 lbs.-I
- 102126 REBÜRE Spring Pocket Balance - 13.0 kg/ 27 lbs.-I
- 102150 REBÜRE Spring Pocket Balance - 15.0 kg/ 32 lbs.-II
- 102200 REBÜRE Spring Pocket Balance - 20.0 kg/ 44 lbs.-III
- 102252 REBÜRE Spring Pocket Balance - 23.0 kg/ 50 lbs.-IV
- 102250 REBÜRE Spring Pocket Balance - 25.0 kg/ 56 lbs.-IV
- 102300 REBÜRE Spring Pocket Balance - 30.0 kg/ 66 lbs.-V
- 102400 REBÜRE Spring Pocket Balance - 40.0 kg/ 88 lbs.-VI
- 102502 REBÜRE Spring Pocket Balance - 46.0 kg/100 lbs.-VII
- 102500 REBÜRE Spring Pocket Balance - 50.0 kg/112 lbs.-VII
- 102600 REBÜRE Spring Pocket Balance - 60.0 kg/132 lbs.-VIII
- 1021000 REBÜRE Spring Pocket Balance - 100.0 kg/224 lbs.-X
- 1021500 REBÜRE Spring Pocket Balance - 150.0 kg/336 lbs.-XII
- 132010 REBÜRE Quick-Display Pointer Scale, standard - 10.0 kg/ 20 lbs.
- 132025 REBÜRE Quick-Display Pointer Scale, standard - 25.0 kg/ 50 lbs.
- 132050 REBÜRE Quick-Display Pointer Scale, standard - 50.0 kg/110 lbs.
- 132100 REBÜRE Quick-Display Pointer Scale, standard - 100.0 kg/220 lbs.
- 132150 REBÜRE Quick-Display Pointer Scale, standard - 150.0 kg/300 lbs.
- 132200 REBÜRE Quick-Display Pointer Scale, standard - 200.0 kg/440 lbs.
- 132300 REBÜRE Quick-Display Pointer Scale, standard - 300.0 kg/660 lbs.



BALANCES

Fish Spring Pocket Balance I- 11.5 kg / 25 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance I- 12.5 kg / 27 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance II- 13.5 kg / 30 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance II- 15.0 kg / 33 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance II/Fi 6.0 kg / 13 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance III- 20.0 kg / 44 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance IV- 23.0 kg / 50 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance IV- 25.0 kg / 56 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance V- 30.0 kg / 66 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance VI- 34.0 kg / 75 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance VI- 40.0 kg / 92 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance VII- 46.0 kg / 100 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance VII- 50.0 kg / 112 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance VIII-60.0 kg / 132 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance IX- 75.0 kg / 168 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance X- 100.0 kg / 224 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance XI- 125.0 kg / 272 lbs. w. brassed scale, hook a. galv. ring
 Fish Spring Pocket Balance XII-150.0 kg / 336 lbs. w. brassed scale, hook a. galv. ring

Fish Spring Pocket Balance I- 11.5 kg / 25 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance I- 12.5 kg / 27 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance II- 13.5 kg / 30 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance II- 15.0 kg / 33 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance II/Fi 6.0 kg / 13 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance III- 20.0 kg / 44 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance IV- 23.0 kg / 50 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance IV- 25.0 kg / 56 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance V- 30.0 kg / 66 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance VI- 34.0 kg / 75 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance VI- 40.0 kg / 92 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance VII- 46.0 kg / 100 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance VII- 50.0 kg / 112 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance VIII-60.0 kg / 132 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance IX- 75.0 kg / 168 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance X- 100.0 kg / 224 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance XI- 125.0 kg / 272 lbs. w. BRASS scale, hook a. galv. ring
 Fish Spring Pocket Balance XII-150.0 kg / 336 lbs. w. BRASS scale, hook a. galv. ring



BRASS POCKET SLIDING CALIPERS

No. 80

80/-1000	60 mm-2" Brass P. Sliding Caliper w. short jaws 20 mm
80/-1000	80 mm-3" Brass P. Sliding Caliper w. short jaws 20 mm
80/-1000	100 mm-4" Brass P. Sliding Caliper w. short jaws 20 mm



No. 80a

80a/-1000	60 mm-2" Brass P. Sliding Caliper w. 20 mm short jaws-5 mm notch
80a/-1000	80 mm-3" Brass P. Sliding Caliper w. 20 mm short jaws-5 mm notch
80a/-1000	100 mm-4" Brass P. Sliding Caliper w. 20 mm short jaws-5 mm notch



No. 81

81/-1000	60 mm-2" Brass P. Sliding Caliper w. 25 mm long jaws
81/-1000	80 mm-3" Brass P. Sliding Caliper w. 25 mm long jaws
81/-1000	100 mm-4" Brass P. Sliding Caliper w. 25 mm long jaws



No. 30

30/1000	30 mm Brass Tyre Thread Feeler Gauge ind. plastic wallet
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No. 50

50/1000	50 mm Brass Tyre Thread Feeler Gauge ind. plastic bag
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No. 60

60/1000	50 mm Brass Tyre Thread Feeler Gauge ind. plastic bag
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No. 80



No. 80a



SPIRIT LEVELS



Model: AZB

Aluminium box section profile, silver anodised
 Profile weight 590 g/m
 Dimensions approx. 50x23mm
 1 Horizontal vial
 1 Plum vial
 3rd vial upon request

Maximum measuring tolerances:
 in standard position:
 0,5mm mm/m (0,029°)

for inverted measuring:
 0,75 mm/m (0,043°)

Target group:
 Professional bulding trade

Product advantages:
 Vials electronically aligned
 Unbreakable acrylic block vials
 Horizontal vial with magnifying lens and luminous backing
 Shock-absorbent end caps



Length cm

AZB 20
 AZB 30
 AZB 40
 AZB 50
 AZB 60
 AZB 70
 AZB 80
 AZB 100
 AZB 120
 AZB 150
 AZB 180
 AZB 200

Model: AZM

Aluminium box section profile, gold anodised
 Profile weight 750 g/linear meter
 Dimensions approx. 50 x 24 mm
 Strong magnets
 1 Horizontal vial
 1 Plumb vial
 3rd vial upon request

Maximum measuring tolerances:
 in standard position:
 0.5 mm/m (0.029°)
 for inverted measuring:
 0.75 mm/m (0.043°)

Target group:
 Fitters, Iron and metal construction

Product advantages:
 Vials electronically aligned
 Unbreakable acrylic block vials
 Horizontal vial with magnifying lens and luminous backing
 Integrated chamfer for a secure grip
 Strong magnets
 Shock-absorbent end caps



Length cm

AZM 100
 AZM 120
 AZM 150
 AZM 180
 AZM 200
 AZM 30
 AZM 40
 AZM 50
 AZM 60
 AZM 80



Plastic spirit levels are available

089



basic frame

for tape lengths
10 - 15 - 20 - 25 - 30 - 50 m

available with tapes

white lacquered
cm/- cm/cm - cm/inch - mm/- mm/inch

polyamid coated ISOLAN
cm/- cm/cm - cm/inch - mm/-

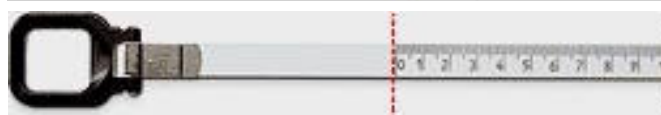
stainl. steel PONTARIT
cm/- - mm/-

stainl. steel etched
cm/- cm/cm - cm/inch - mm/- mm/inch

glass fibre yellow
cm/- cm/cm - cm/inch

glass fibre white FILON
cm/- cm/cm - cm/inch

Commencement A



Commencement B



Commencement C



brass bob 11



stainl. st. bob 16



brass bob 14



brass bob 10

090



Tank Dipping Tapes of carbon steel

- brass frame
- light metal frame

Tank Dipping Tapes of stainless steel

- brass frame
- light metal frame

Tank Dipping Tapes of white steel

- brass frame
- light metal frame

Dip Weights - common types

- Dip Weight "C"
- Dip Weight "D"
- Dip Weight "E"

stainless steel Dip Weights - common types

- Dip Weight "I"
- Dip Weight "U"

Tank Dipping Tapes - IPM Specification

- brass frame
- brass Dip Weight "B"
- brass Dip Weight "W"



IPM brass frame



IPM brass Dip B - W



brass frame



light metal frame



Brass Dip weight C - D - E



Stainl. Steel Dip I - U

Scales according your request



HERMANN JAEGER GMBH - HAMBURG / GERMANY

WEISS MEASURING TAPES

Frame 600

anodized light metal frame, with solid, oblique plastic handle, black, and nickel plated winder arm

Frame 600



Frame 700

anodized light metal frame, with solid, straight plastic handle, black, and nickel plated winder arm

Frame 700



Frame 800

anodized light metal frame, triangular, with solid, straight plastic handle, black, and nickel plated winder arm

Frame 800



Frame 900

anodized light metal frame, triangular, with solid, oblique plastic handle, black, and nickel plated winder arm

Frame 900



When ordering complete measuring tapes, please specify the required bob, and if same is not needed please state for which type of bob the tape should be suitable

Brass Bobs

No. 1 = cylindrical length 70 mm, Diam. 25 mm, weight 240 g with graduation

No. 2 = cylindrical length 120 mm, Diam. 20 mm, weight 260g without graduation

No. 3 = cylindrical length 170 mm, Diam. 25 mm, weight 470g with graduation

Bob No. 1- 2 - 3



Stainless Steel Bobs

No. 1 = cylindrical length 70 mm, Diam. 25 mm, with graduation

No. 3 = cylindrical length 170 mm, Diam. 25 mm, shape like No. 1 = **NOT POINTED**, with graduation

Coloured handles as shown below are available upon request



Blue



Red



Yellow



Blue gummed

092

Spare Tapes

Carbon steel, high etched, 13 mm wide
Stainless steel, High etched, 13 mm wide
White enamelled steel, 13 mm wide
Yellow enamelled steel, 13 mm wide
White fibreglass tape, 13 mm wide
Yellow fibreglass tape, 13 mm wide

Spare Tapes



When ordering spare tapes please specify for which bob they should be suitable

Measuring Tapes capsuled

in standard steel case, coated with light brown plastic material, handle and fittings of nickel-plated metal
The cases can take maximum length 50 m / 165 ft

No. 208



When ordering please specify the required commencement

A = graduation starts 10 cm after ring

B = graduation starts at joint end of ring

C = ring is included in graduation. Measuring starts at outer end of ring

Massanfang A



Commencement A

Massanfang B

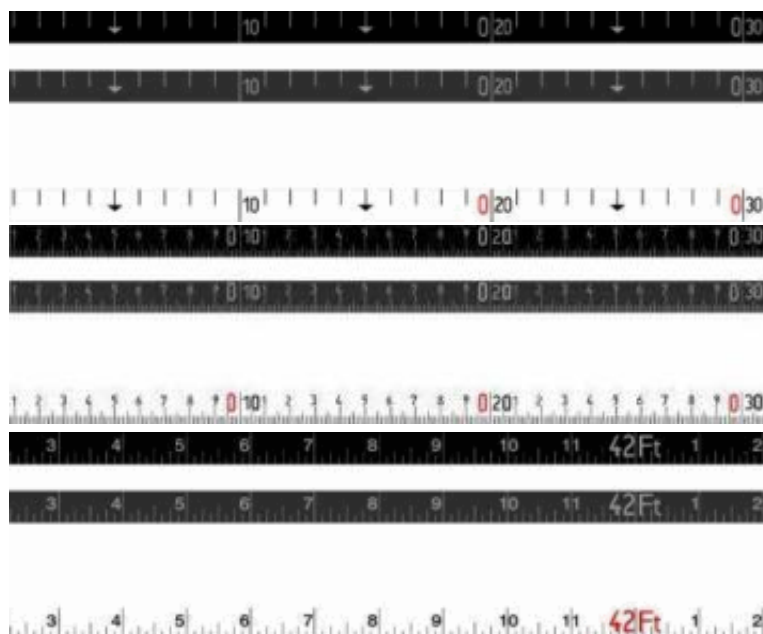


Commencement B

Massanfang C



Commencement C



1 measure	2 measures
CM-Graduation	cm/cm
	cm/inch
MM-Graduation	mm/inch
	mm/mm
INCH-Graduation	cm/inch
	mm/inch

093

Joiner's square with mitre, **light version**, hardened steel blade **30 mm** with mm/inch graduations on one side



Joiner's square with mitre, **heavy version**, hardened steel blade **35 mm** with mm/inch graduations on one side



Sizes

150 mm - 6"
200 mm - 8"
250 mm - 10"
300 mm - 12"
350 mm - 14"
400 mm - 16"

DIVIDERS & CALIPERS

No. 48

Dividers, drop forged steel, ground and polished,
legs octagonal ground, points hardened and ground,
with rivit joint

Sizes 150 - 175 - 200 - 250 - 300 - 400 - 500 - 600 - 800 - 1000 mm



No. 49

Wing dividers, drop forged steel, ground and polished,
legs octagonal ground, points hardened and ground,
with rivit joint, arc and screw

Sizes 150 - 175 - 200 - 250 - 300 - 400 - 500 - 600 - 800 - 1000 mm



No. 50

Outside calipers, made of stamped steel, ground and polished,
legs octagobal ground, with rivit joint

Sizes 150 - 175 - 200 - 250 - 300 - 400 - 500 - 600 - 800 - 1000 mm



No. 52

Inside calipers, made of stamped steel, ground and polished,
legs octagobal ground, with rivit joint

Sizes 150 - 175 - 200 - 250 - 300 - 400 - 500 - 600 - 800 - 1000 mm



If required in precision execution with adjustable screw joint (instead of rivit joint)

No. 60

No. 61

No. 64

No. 65



Sizes

100 mm - 4"	400 mm - 16"
125 mm - 5"	500 mm - 20"
150 mm - 6"	600 mm - 24"
200 mm - 8"	800 mm - 32"
225 mm - 9"	1000 mm - 40"
250 mm - 10"	
275 mm - 11"	
300 mm - 12"	

Precision spring dividers DIN 6487, hardened points, fine polished

No. 70 (1800)



Precision spring inside calipers DIN 6487, fine polished

No. 71 (1801)



Precision spring outside calipers DIN 6487, fine polished

No. 72 (1802)



Precision spring dividers DIN 6487, hardened, with interchangeable points, fine

No. 73 (1600)



Sizes Art. 70-71-72	Sizes Art. 73
75 mm - 3"	
100 mm - 4"	100 mm - 4"
125 mm - 5"	125 mm - 5"
150 mm - 6"	150 mm - 6"
200 mm - 8"	200 mm - 8"
225 mm - 9"	225 mm - 9"
250 mm - 10"	250 mm - 10"
275 mm - 11"	275 mm - 11"
300 mm - 12"	300 mm - 12"

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Household Sharpening Steels



All shown Steels are available in different lengths and thickness.
For further informations request our catalogue

Kitchen & Butcher Sharpening Steels



These Sharpening Steels are produced for professional use

Different surfaces increase the cutting performance of the knife:

Medium Cut



This surface is mostly suitable for food preparation in restaurants and for domestic use. The grooves are narrower and more raised (approx. 6 to 7 teeth per mm). This assures a more aggressive sharpening effect for excellent cutting characteristics and edge retention.

Fine (Micro) Cut



The fine cut is used in meat operation where a fine and long-lasting edge is essential. A few strokes maintain the sharp edge longer in between re-grinding

The Polished Steel



The unique purpose of this sharpening tool is to draw up the microscopic teeth of the cutting edge to assure a very smooth cut. Several applications of hard-chroming like those for the medium and fine cut, make the surface extremely wear resistant.

Ceramic coated Sharpening Steels for slaughterhouses and butchers

Round sharpening-steels, stainless steel 18/10, material no. 4301, tungsten-carbide coated, suitable for dish-washers. The rough surface of these sharpening-steels is similar to the well-known "medium-finecut", but with increased efficiency, that means a higher grinding-result.



Oval sharpening-steels, made of chromvanadium material, hardness HRC 64, chromium oxide coated. The surface is very fine, comparable to a polished steel. The knives will be kept much longer in a sharp condition because the efficiency is not only equivalent to the sharpening with a normal steel but also to the previous use of a grinding-machine.



For both surface-types (tungsten-carbide and chromium-oxide) we can say that under a professional use they don't break, they are resistant against stroke with a hammer and they are harmless for the food. Compared to the previous hardchrome-plating the tungsten-carbide and the chromium-oxide coated surfaces show a multiple higher wear-resistance.

The Sharpening Steels - Technical details

The Material

All sharpening steels are made of alloyed tool – steel of 1.15 % carbon, 0.6 % chromium, and 0.03 % vanadium. Due to this alloy, the sharpening steel is highly wear-resistant, which is important since the hardness of steel used for knife blades is constantly increasing.

The Surface of Sharpening Steels

Sharpening Steels have three different surfaces

Medium fine grain:

Typical for kitchen steels, this steel quickly forms a new burr at the edge of a blade for a smooth cut.

Fine grain:

Recommended for butchers who sharpen their blades on a grinding machine, and use a sharpening steel in addition to raise a burr for a smooth cut.

Polished surface:

For use in slaughterhouses, performs the same as the fine grain

Hardness

It is essential that the surface of sharpening steel is harder than the blade to be sharpened. Otherwise the edge of the blade could not be sharpened to satisfaction, and the steel would wear out too fast.

Hard Chromium Plating

Hard Chromium plating protects the steel as much as possible against corrosion. From a microscopic point of view, hard chromium plating has a thin surface, which makes 100% protection impossible. A thicker chromium plating would make the sharpness of the grooving ineffective. A Nickel plating would be too soft for the required standards of the steel, although it would be dense.

Magnetism

Sharpening steels are magnetic, and therefore attract metal particles, which are worn off the blade during the sharpening.

The Handle

Handles come in a choice of different shapes and different materials, and are either made of wood or synthetic materials.

The Guard

must therefore be mounted to the handle so that the steel can easily be moved in any direction. Both synthetic material and wood are suggested for this purpose. Moreover, the guard prevents a rounded steel from rolling off the table.

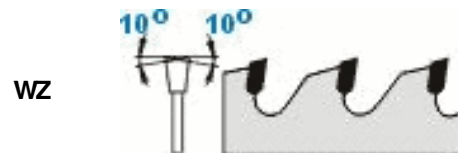
The Ring

There is a good reason why a Sharpening Steel should be hung after use. The steel should be kept separately from knives. Otherwise, in time, the knives would also become magnetic and attract metal particles.

for cutting wood - tooth shape WZ

Standard dimensions

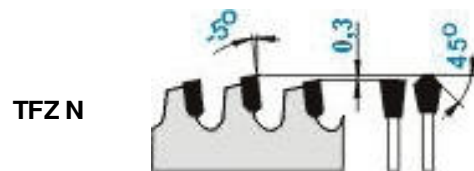
diameter x width x bore	available number of teeth
127 x 2,6 x 20 mm	10 - 20 - 36 WZ
130 x 2,6 x 20 mm	10 - 20 - 36 WZ
134 x 2,6 x 20 mm	10 - 20 - 36 WZ
140 x 2,6 x 20 mm	10 - 20 - 42 WZ
150 x 2,6 x 20 mm	12 - 24 - 48 WZ
156 x 2,6 x 20 mm	12 - 24 - 48 WZ
160 x 2,5 x 20 mm	16 - 24 - 36 - 48 WZ
160 x 2,6 x 20 mm	12 - 24 - 48 WZ
160 x 2,8 x 20 mm	18 WZ
170 x 2,6 x 30 mm	12 - 24 - 54 WZ
180 x 2,5 x 20 mm	20 - 28 - 36 - 56 WZ
180 x 2,6 x 30 mm	12 - 24 - 56 WZ
184 x 2,6 x 30 mm	12 - 24 - 56 WZ
190 x 2,6 x 30 mm	14 - 30 - 56 WZ
200 x 2,5 x 20 mm	24 - 32 - 40 - 48 - 64 WZ
200 x 2,8 x 30 mm	16 - 30 - 64 WZ
210 x 2,8 x 30 mm	18 - 32 - 64 WZ
230 x 2,8 x 30 mm	20 - 34 - 64 WZ
250 x 3,2 x 30 mm	32 - 40 - 48 - 60 - 64 - 72 - 80 WZ
300 x 3,2 x 30 mm	36 - 48 - 64 - 72 - 96 WZ
350 x 3,6 x 30 mm	40 - 54 - 72 - 84 - 108 WZ
400 x 3,6 x 30 mm	48 - 64 - 84 - 96 - 120 WZ
450 x 4,0 x 30 mm	56 - 72 WZ
500 x 4,0 x 30 mm	64 - 84 WZ
600 x 5,2 x 30 mm	90 WZ



for cutting aluminium - tooth shape TFZ N

Standard dimensions

diameter x width x bore	available number of teeth
160 x 2,8 x 20 mm	48 TFZ N
190 x 2,8 x 30 mm	56 TFZ N
200 x 3,2 x 30 mm	60 TFZ N
250 x 3,2 x 30 mm	60 - 80 TFZ N
300 x 3,2 x 30 mm	72 - 96 TFZ N
350 x 3,6 x 30 mm	84 - 108 TFZ N
400 x 3,6 x 30 mm	96 - 120 TFZ N
420 x 4,0 x 30 mm	96 TFZ N
450 x 4,0 x 30 mm	108 TFZ N
500 x 4,0 x 30 mm	120 TFZ N



Other dimensions / number & shape of teeth are available - please specify your demand and indicate the material you intend to cut

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Carbon steel band saw blades

Sales units: - coils in fix lengths and manufacturing coils up to 120 m, depending on the band width
- welded-to-length band saw blades



Band widths: 2,5 to 38 mm

Constant tooth pitches: 2 to 24 teeth per inch (tpi)

Tooth shapes: - raker tooth (s)
- hook tooth (K)
- skip tooth (L)

Types of tooth set: - standard set (SD)
- wavy set (WS)
- group set (GS)
- right/left-set (RL)

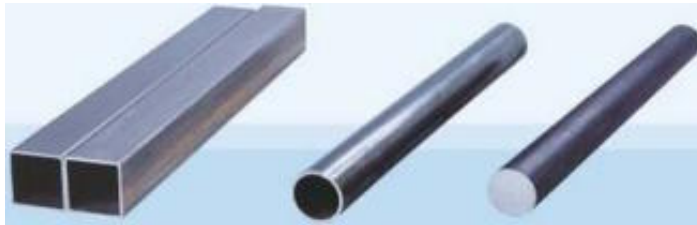


EXTRA

Features:

- Flexible band saw blade made of chrome-alloyed carbon steel
- Hardened tooth tips

- For all-purpose use
- For unalloyed steels with low tensile strength



Item group 500

EXTRA (approx. 65-66 HRC)



Dimensions Width x thickness		Tooth pitch Tz in teeth per inch (tpi)													
		Standard set (SD)								Wavy set (WS)			Right/left set (RL)	Group set (GS)	
mm	Inches	2	3	4	6	8	10	14	18	14	18	24	6	4	6
8 x 0,65	5/16 x 0,025			L	S	S	S	S	S			S	L		
10 x 0,65	9/16 x 0,025		L	S-L	S	S	S	S	S			S	L		
13 x 0,65	1/2 x 0,025		L	S-L	S	S	S	S	S			S	L		
16 x 0,80	5/8 x 0,032		L	S-L	S	S	S			S	S	S	L		
20 x 0,80	3/4 x 0,032		S-L	S-L	S	S	S			S	S	S			
25 x 0,90	1 x 0,035	L	S-L	S-L	S	S	S			S		S			
32 x 1,10	1 1/4 x 0,042	L	S	S	S	S	S								
38 x 1,30	1 1/2 x 0,050					S								S	S

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Carbon steel band saw blades

Sales units: - coils in fix lengths and manufacturing coils up to 120 m, depending on the band width
- welded-to-length band saw blades



Band widths: 2,5 to 38 mm

Constant tooth pitches: 2 to 24 teeth per inch (tpi)

Tooth shapes: - raker tooth (S)
- hook tooth (K)
- skip tooth (L)

Types of tooth set: - standard set (SD)
- wavy set (WS)
- group set (GS)
- right/left-set (RL)

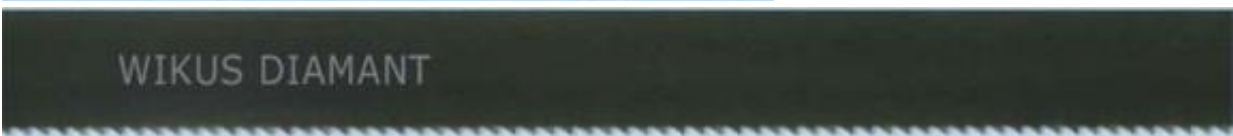


DIAMANT

Features:

- Tungsten-silicon-chrome-alloyed blade with quenched and tempered backing material made of higher alloyed carbon steel and special Hardened tooth tips
- Longer lifetime and wear resistance

- For low alloyed steels
- For steels of medium tensile strength
- For basic shop use



Item group 510

DIAMANT (approx. 66-67 HRC)

Dimensions Width x thickness		Tooth pitch Tz in teeth per inch (tpi)														
		Standard set (SD)								Wavy set (WS)			Group set (GS)			
mm	Inches	2	3	4	6	8	10	14	18	14	18	24	4	6	8	10
2,5 x 0,65	3/32 x 0,025							S	S			S				
3 x 0,65	1/8 x 0,025						S	S	S			S				
4 x 0,65	5/32 x 0,025						S	S	S			S				
5 x 0,40	3/16 x 0,016							S				S				
5 x 0,65	3/16 x 0,025						S	S	S			S				
6 x 0,40	1/4 x 0,016						S	S				S				
6 x 0,65	1/4 x 0,025			L	S-K	S	S	S	S			S	K			
8 x 0,65	5/16 x 0,025			S-K-L	S-K	S	S	S	S			S	K			
10 x 0,65	3/8 x 0,025		K	S-K-L	S-K	S	S	S	S			S				
13 x 0,65	1/2 x 0,025		K-L	S-K-L	S-K	S	S	S	S			S				
16 x 0,50	5/8 x 0,020					S		S								
16 x 0,65	5/8 x 0,025		K	S-K-L	S-K	S	S			S		S				
16 x 0,80	5/8 x 0,032		K	S-K	S-K	S	S			S	S	S				
20 x 0,80	3/4 x 0,032		S-K	S-K	S-K	S	S			S	S	S		S	S	S
25 x 0,90	1 x 0,035	K	S-K	S-K	S-K	S	S			S		S	S	S	S	S
32 x 1,10	1 1/4 x 0,042	K	S-K	S-K	S	S	S						S	S	S	S
38 x 1,30	1 1/2 x 0,050	K	K			S							S	S		

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Bimetal band saw blades

- Sales units: - coils in fix lengths and manufacturing coils up to 120 m, depending on the band width
- welded-to-length band saw blades
- Band widths: 4 to 125 mm



Constant tooth pitches: 0,75 to 18 teeth per inch (tpi)

Variable tooth pitches: 0,55-0,75 to 10-14 tpi

- Tooth shapes:
- raker tooth (S)
 - hook tooth (K)
 - tooth shape (HV)
 - tooth shape (VA)
 - profile tooth (P)

- Types of tooth set:
- standard set (SD)
 - group set (GS)

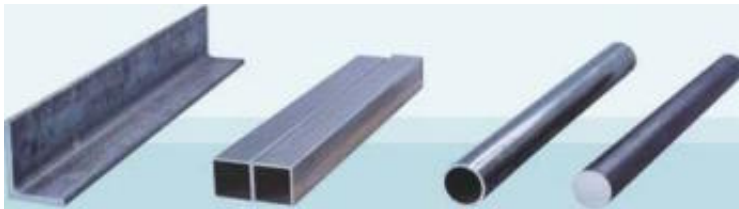


ECOFLEX M42

Features:

- Ideal For cutting small and medium work pieces
- Vibration damping, variable tooth pitch
- Tooth tips made of particularly wear-resistant quality

- For small and medium work piece dimensions
- For profiles and solid materials
- For demanding shop operations
- For all steels up to 45 HRC



Item group 523

ECOFLEX M42 (68-69 HRC)

Dimensions Width x thickness		Tooth pitch Tz in teeth per inch (tpi) Standard set (SD)						
mm	Inches	2 - 3	3 - 4	4 - 6	5 - 8	6 - 10	8 - 12	10 - 14
20 x 0,90	3/4 x 0,035			K	S	S	S	S
27 x 0,90	1 1/16 x 0,035		K	K	S	S	S	S
34 x 1,10	1 3/8 x 0,042	K	K	K	S	S	S	
41 x 1,30	1 5/8 x 0,050	K	K	K				

Item group 523

ECOFLEX M42 NE (68-69 HRC) with extra wide set for treating non-ferrous metals

Dimensions Width x thickness		Tooth pitch Tz in teeth per inch (tpi) Extra wide set	
mm	Inches	3	4
20 x 0,90	3/4 x 0,035	K	K
27 x 0,90	1 1/16 x 0,035	K	K
34 x 1,10	1 3/8 x 0,042	K	

Tooth shapes: S = raker tooth, K = hook tooth

Carbon steel band saw blades

RAPID®

Made of chrome-alloyed tool steel with hardened tooth tips and flexible back edge. Band saw blade for common workshop use.



Abmessungen Dimensions Breite x Stärke Width x thickness		Zähne per Zoll / teeth per inch													
		Standardzahn (S) Raker tooth (S)								Lückenzahn (LÜ) Skip tooth (LÜ)		Klauenzahn (K) Hook tooth (K)			
mm	Zoll/inch	3	4	6	8	10	14	18	24	3	4	2	3	4	6
3 x 0,65	1/8 x 0,025					■	■	■	■						
4 x 0,65	5/32 x 0,025					■	■	■	■						
5 x 0,40	3/16 x 0,016						■		■						
5 x 0,65	3/16 x 0,025					■	■	■	■						
6 x 0,40	1/4 x 0,016					■	■		■						■
6 x 0,65	1/4 x 0,025			■	■	■	■	■	■		■			■	■
8 x 0,65	5/16 x 0,025		■	■	■	■	■	■	■		■			■	■
10 x 0,65	3/8 x 0,025		■	■	■	■	■	■	■		■		■	■	■
13 x 0,65	1/2 x 0,025		■	■	■	■	■	■	■	■	■		■	■	■
16 x 0,50	5/8 x 0,020				■		■								
16 x 0,65	5/8 x 0,025		■	■	■	■	■		■		■		■	■	■
16 x 0,80	5/8 x 0,032		■	■	■	■	■	■	■				■	■	■
20 x 0,80	3/4 x 0,032	■	■	■	■	■	■		■				■	■	■
25 x 0,90	1 x 0,035	■	■	■	■	■	■	■	■			■	■	■	■
32 x 1,10	1 1/4 x 0,042	■	■	■	■	■						■	■	■	
38 x 1,30	1 1/2 x 0,050		■	■	■							■	■		

For unalloyed steels of low strength

For all-purpose applications

Available in coils from 30,5 m up to 120 m, manufacturing coils and endless welded blades.

Tooth shapes

Raker tooth (S), W

Rake angle 0°, for cutting short-chipping materials, steels with high carbon content, tool steel and cast iron, small cross-sections, thin-walled profiles.

Hook tooth (K), WP + WEP

Rake angle positive, for cutting long-chipping, tough materials, non-ferrous metals and steels with <0,8% carbon content, heattreated steels, rust- and acid-proof steels, large cross-sections.

Skip tooth

Rake angle 0°, for cutting brittle materials, larger cross-sections

Carbon steel band saw blades

RASANT®

Band saw blade made of tempered backing material and especially hardened tooth tips that give the blade a long lifetime and high wear resistance.



Abmessungen Dimensions Breite x Stärke Width x thickness		Zähne per Zoll / teeth per inch													
mm	Zoll/inch	Standardzahn (S) Raker tooth (S)								Lückenzahn (LÜ) Skip tooth (LÜ)		Klauenzahn (K) Hook tooth (K)			
		3	4	6	8	10	14	18	24	3	4	2	3	4	6
3 x 0,65	1/8 x 0,025					■	■	■	■						
4 x 0,65	5/32 x 0,025					■	■	■	■						
5 x 0,40	3/16 x 0,016						■		■						
5 x 0,65	3/16 x 0,025					■	■	■	■						
6 x 0,40	1/4 x 0,016					■	■		■						■
6 x 0,65	1/4 x 0,025			■	■	■	■	■	■		■			■	■
8 x 0,65	5/16 x 0,025		■	■	■	■	■	■	■		■			■	■
10 x 0,65	3/8 x 0,025		■	■	■	■	■	■	■		■		■	■	■
13 x 0,65	1/2 x 0,025		■	■	■	■	■	■	■	■	■		■	■	■
16 x 0,50	5/8 x 0,020				■		■								
16 x 0,65	5/8 x 0,025		■	■	■	■	■		■		■		■	■	■
16 x 0,80	5/8 x 0,032		■	■	■	■	■	■	■				■	■	■
20 x 0,80	3/4 x 0,032	■	■	■	■	■	■		■				■	■	■
25 x 0,90	1 x 0,035	■	■	■	■	■	■	■	■			■	■	■	■
32 x 1,10	1 1/4 x 0,042	■	■	■	■	■						■	■	■	
38 x 1,30	1 1/2 x 0,050		■	■	■							■	■		

For steels of medium strength

For low-alloyed steels

For common workshop use

Available in coils from 30,5 m up to 120 m, manufacturing coils and endless welded blades.

Tooth shapes

Raker tooth (S), W

Rake angle 0°, for cutting short-chipping materials, steels with high carbon content, tool steel and cast iron, small cross-sections, thin-walled profiles.

Hook tooth (K), WP + WEP

Rake angle positive, for cutting long-chipping, tough materials, non-ferrous metals and steels with <0,8% carbon content, heattreated steels, rust- and acid-proof steels, large cross-sections.

Skip tooth

Rake angle 0°, for cutting brittle materials, larger cross-sections

Bimetal band saw blades

ORIFLEX® M 42 Co S

Capable band saw blade for all applications. Tooth edge made of M 42 combined with backing material with high chrome content, especially developed for us. Constant tooth pitch with 0° rake angle.



Abmessungen Dimensions Breite x Stärke Width x thickness		Zähne per Zoll / teeth per inch Standardzahn (S) / Raker tooth (S)						
mm	Zoll/inch	3	4	6	8	10	14	18
4 x 0,90	5/32 x 0,035					■	■	
6 x 0,65	1/4 x 0,025						■	
6 x 0,90	1/4 x 0,035					■	■	
10 x 0,90	3/8 x 0,035				■	■	■	
13 x 0,50	1/2 x 0,020						■	
13 x 0,65	1/2 x 0,025					■	■	■
13 x 0,90	1/2 x 0,35			■	■	■	■	
20 x 0,90	3/4 x 0,035		■	■	■	■	■	■
27 x 0,90	1 1/16 x 0,035	■	■	■	■	■	■	■
27 x 1,10	1 1/16 x 0,042		■	■				
34 x 1,10	1 3/8 x 0,042	■	■	■	■	■	■	
41 x 1,30	1 5/8 x 0,050	■	■	■				

For non-ferrous metals

For all steels up to 45 HRC

For contour cuts

For all material dimensions

Available in coils from 30,5 m up to 120 m, manufacturing coils and endless welded blades.

Sägebandgeometrien / Geometrie of band saw blades

HSS Flachdraht
HSS Flat wire

Trägerband aus legiertem Vergütungsstahl
Blade back made of alloyed Spring Steel

Spezial-Schweißverfahren
Special welding process

b = Bandbreite
width of blade

S = Banddicke
thickness of saw blade

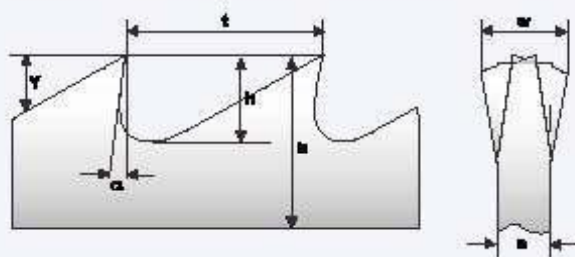
h = Zahntiefe
gullet depth

t = Zahnteilung
tooth pitch

a = Spanwinkel
rake angle

Y = Freiwinkel
clearance angle

w = Schränkweite
width of set



OTHER TOOTH SHAPES / QUALITIES ARE AVAILABLE - PLEASE SEE MAIN CATALOGUE

Hand Hacksaw Blades

FLAWOX®

Inexpensive hand hack saw blade made of tool steel, with hardened teeth.



Abmessungen Dimensions	VPE Packing unit	Zähne per Zoll / teeth per inch		
mm	Stück / piece	18	24	32
300 x 16 x 0,80	50	■	■	■
300 x 25 x 0,80	50	■	■	■

RASANTFLEX HSS®

Quality hand hack saw blade made of high speed steel, with hardened teeth.

Abmessungen Dimensions	VPE Packing unit	Zähne per Zoll / teeth per inch			
mm	Stück / piece	14	18	24	32
300 x 13 x 0,63	100	■	■	■	■

FLAWO HSS®

High performance hand hack saw blade, made of established high speed steel, totally hardened.

Abmessungen Dimensions	VPE Packing unit	Zähne per Zoll / teeth per inch		
mm	Stück / piece	18	24	32
300 x 13 x 0,63	100	■	■	■
300 x 25 x 0,80	50	■	■	■

ORIFLEX BI-HSS®

High-performance hand hack saw blade in bimetal quality, shatter-proof. The low-wear cutting edge features reserves for many applications.

Abmessungen Dimensions	VPE Packing unit	Zähne per Zoll / teeth per inch		
mm	Stück / piece	18	24	32
300 x 13 x 0,63	100	■	■	■

HAND HACKSAW FRAMES



Power Hacksaw Blades

FLAWO HSS® / FLAWO HSS-CO®

FLAWO HSS® (DIN 6495) All-purpose hack saw blade, made of the established wear-resistant HSS steel quality 6-5-2 (material No. 1.3343) for cutting all metals that can be cut with HSS tools. The blade is hardened along the whole blade width and is characterized by perfect cutting performance.

FLAWO HSS-CO® (DIN 6495) High wear-resistant saw blade achieving hardness values of approx. 66-67 HRC (Rockwell hardness), additionally cobalt alloyed for improving the thermal resistance and therefore applicable with increased cutting rate. The saw blade with power reserves.



Abmessungen / Dimensions					FLAWO HSS®									
Länge Length	Breite Width	Stärke thickness	Bohrung Bore diameter	Gewicht Weight	ZpZ / tpi									
mm	mm	mm	mm	g	2	3	4	6	8	10	14	18	24	
300	20	1,25	6,1	65										
300	25	1,25	8,5	81										
300	25	1,5	8,5	97										
300	30	1,5	8,5	117										
300	30	2	8,5	156										
325	30	1,5	8,5	126										
350	25	1,25	8,5	94										
350	25	1,5	8,5	107										
350	30	1,5	8,5	137										
350	30	2	8,5	180										
350	35	2	8,5	211										
400	25	1,25	8,5	107										
400	25	1,5	8,5	120										
400	30	1,5	8,5	153										
400	30	2	8,5	205										
400	35	2	8,5	211										
400	35	2	10,5	211										
400	40	2	KA	274										
400	40	2	10,5	274										
425	30	2	8,5	218										
425	35	2	10,5	254										
450	30	2	10,5	231										
450	35	2	8,5	270										
450	35	2	10,5	270										
450	40	2	KA	308										
450	40	2	10,5	308										
450	45	2	10,5	347										
475	35	2	10,5	286										

Saw blades for KASTO machines have displaced pinholes from 40 mm width. When ordering please absolutely indicate „KA“. Dimensions are always measured between the centres of the pinholes. Further dimensions and tooth pitches on request. When start cutting please reduce the cutting pressure.

OTHER SIZES ARE AVAILABLE - A WIDE RANGE IS AVAILABLE IN QUALITY HSS-CO

HERMANN JAEGER GMBH - HAMBURG / GERMANY

HSS Circular Saw Blades

Applications cutting of ferrous and non-ferrous metals
 Range from Ø 20mm to 800 mm
 Material HSS-DMo5 [1.3343] HSS-EMo5 Co5 [1.3243]
 Hardness 64+ 1 HRC 65+ 1 HRC
 Our standard program includes steam-treated and bright finished products as well as blades with various PVD coatings in every dimension and tooth forms.



Performance Characteristics of Surface Coatings

max. working temperature
 Surface hardness (HV)
 Co-efficient of Friction

Coating
 Colour

TiN
 gold
 600 C°
 2400
 0,55

TiCN
 blue-grey
 450 C°
 3200
 0,3

TiALN
 violet-black
 800 C°
 3000
 0,6

Applications TiN
 Applications TiCN
 Applications TiALN

Medium hardness steel, tubes & profiles
 Hard & Stainless Steel
 Abrasive steels & high cutting speeds

Material: D-Mo5 (M2)
 Hardness: 63-65 HRC
 Tooth form: BW, C, BS

	ØxB	d [mm]	T3,0	T4,0	T5,0	T6,0	T7,0	T8,0	T9,0	T10,0	T11,0	T12,0	T14,0	T16,0
	mm		Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
BS 	200x2,0	32 [40]	200	180	128	100	90	80	70					
	225x2,0	32 [40]	220	180	140	120	100	90	80	72				
	250x2,0	32 [40]	250	200	160	128	110	100	90	80	72			
	275x2,0	32 [40]	280	220	180	144	120	110	96	90	80			
C 	275x2,5	32 [40]	280	220	180	144	120	110	96	90	80	72		
	300x2,5	32 [40]	300	240	200	180	140	120	110	96	90	80		
	315x2,0	32 [40]	320	240	200	180	140	120	110	100	90	80		
	315x2,5	32 [40]	320	240	200	180	140	120	110	100	90	80	72	
BW 	350x2,5	32 [40]	360	280	220	180	160	140	120	110	100	90	80	
	350x3,0	40 [50]	360	280	220	180	160	140	120	110	100	90	80	
	370x3,0	40 [50]	360	280	220	200	160	140	128	110	100	96	80	72
	400x3,0	40 [50]		310	250	200	180	160	140	128	114	100	90	80
Zahnform A tooth form A 	400x4,0	40 [50]		310	250	200	180	160	140	128	114	100	90	80
	425x3,5	40 [50]		330	260	220	180	160	140	128	120	110	96	80
	450x3,5	40 [50]		350	280	240	200	180	160	140	128	110	100	90
	450x4,0	40 [50]		350	280	240	200	180	160	140	128	110	100	90
T (Teiling) tooth pitch 	500x3,0	40 [50]			320	260	220	200	180	160	140	128	110	100
	500x4,0	40 [50]			320	260	220	200	180	160	140	128	110	100
	560x4,0	40 [50]			350	280	250	220	200	180	160	144	128	110
	560x5,0	40 [50]			350	280	250	220	200	180	160	144	128	110
AW 	600x4,0	40 [50]				320	270	240	210	200	180	160	140	120
	600x5,0	40 [50]				320	270	240	210	200	180	160	140	120

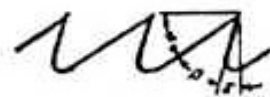


RIP CUT

30008rc	Rip-Cut Cir. Saw Blade	200 mm/ 8"x1.4 mmx 3/ 4"x 36teeth
35010rc	Rip-Cut Cir. Saw Blade	250 mm/10"x1.4 mmx 3/ 4"x 36teeth
30012rc	Rip-Cut Cir. Saw Blade	300 mm/12"x1.6 mmx1 "x 36teeth
35014rc	Rip-Cut Cir. Saw Blade	350 mm/14"x1.8 mmx1.1/ 8"x 36teeth
40016rc	Rip-Cut Cir. Saw Blade	400 mm/16"x2.0 mmx1.1/ 8"x 36teeth
45018rc	Rip-Cut Cir. Saw Blade	450 mm/18"x2.2 mmx1.1/ 4"x 36teeth
50020rc	Rip-Cut Cir. Saw Blade	500 mm/20"x2.5 mmx1.5/16"x 36teeth
55022rc	Rip-Cut Cir. Saw Blade	550 mm/22"x2.6 mmx1.5/16"x 36teeth
60024rc	Rip-Cut Cir. Saw Blade	600 mm/24"x2.8 mmx1.3/ 8"x 36teeth
65026rc	Rip-Cut Cir. Saw Blade	650 mm/26"x3.0 mmx1.1/ 2"x 36teeth
70028rc	Rip-Cut Cir. Saw Blade	700 mm/28"x3.2 mmx1.1/ 2"x 36teeth
75030rc	Rip-Cut Cir. Saw Blade	750 mm/30"x3.4 mmx1.1/ 2"x 36teeth
80032rc	Rip-Cut Cir. Saw Blade	800 mm/32"x3.4 mmx1.1/ 2"x 36teeth
85034rc	Rip-Cut Cir. Saw Blade	850 mm/34"x3.8 mmx1.1/ 2"x 36teeth
90036rc	Rip-Cut Cir. Saw Blade	900 mm/36"x3.4 mmx1.1/ 2"x 36teeth
100040rc	Rip-Cut Cir. Saw Blade	1000 mm/40"x3.8 mmx1.1/ 2"x 36teeth
120048rc	Rip-Cut Cir. Saw Blade	1200 mm/48"x4.2 mmx1.1/ 2"x 36teeth



A (KV)



B (NV)



F



PV



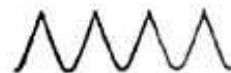
S

CROSS CUT

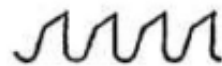
30008cc	Cross-Cut Cir. Saw Blade	200 mm/ 8"x1.4 mmx 3/ 4"x100teeth
35010cc	Cross-Cut Cir. Saw Blade	250 mm/10"x1.4 mmx 3/ 4"x100teeth
30012cc	Cross-Cut Cir. Saw Blade	300 mm/12"x1.6 mmx1 "x100 teeth
35014cc	Cross-Cut Cir. Saw Blade	350 mm/14"x1.8 mmx1.1/ 8"x100 teeth
40016cc	Cross-Cut Cir. Saw Blade	400 mm/16"x2.0 mmx1.1/ 8"x100 teeth
45018cc	Cross-Cut Cir. Saw Blade	450 mm/18"x2.2 mmx1.1/ 4"x100 teeth
55022cc	Cross-Cut Cir. Saw Blade	550 mm/22"x2.6 mmx1.5/16"x 80 teeth
60024cc	Cross-Cut Cir. Saw Blade	600 mm/24"x2.8 mmx1.3/ 8"x 80 teeth
65026cc	Cross-Cut Cir. Saw Blade	650 mm/26"x3.0 mmx1.1/ 2"x 80 teeth
70028cc	Cross-Cut Cir. Saw Blade	700 mm/28"x3.2 mmx1.1/ 2"x 80 teeth
75030cc	Cross-Cut Cir. Saw Blade	750 mm/30"x3.4 mmx1.1/ 2"x 80 teeth
80032cc	Cross-Cut Cir. Saw Blade	800 mm/32"x3.4 mmx1.1/ 2"x 80 teeth
85034cc	Cross-Cut Cir. Saw Blade	850 mm/34"x3.8 mmx1.1/ 2"x 80 teeth
90036cc	Cross-Cut Cir. Saw Blade	900 mm/36"x3.4 mmx1.1/ 2"x 80 teeth
100040cc	Cross-Cut Cir. Saw Blade	1000 mm/40"x3.8 mmx1.1/ 2"x 80 teeth
120048cc	Cross-Cut Cir. Saw Blade	1200 mm/48"x4.2 mmx1.1/ 2"x 80 teeth



C (NV°)



D (AV)

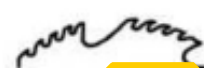


E (KV5°)



EN (NU)

Group teeth

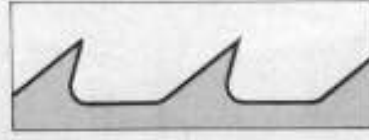


HERMANN JAEGER GMBH - HAMBURG / GERMANY

Bandsaw Blades for Cutting Wood



Zahn: A



Zahn: B

Tooth shape A

Tooth shape B

51-A-10	3/8" Bandsaw Blade 10x0.5 mm x A 5 mm=5	tpi, set, 250' coil
51-A-12	1/2" Bandsaw Blade 12x0.5 mm x A 6 mm=4	tpi, set, 250' coil
51-A-15	5/8" Bandsaw Blade 15x0.5 mm x A 6 mm=4	tpi, set, 250' coil
51-A-20	3/4" Bandsaw Blade 20x0.7 mm x A 6 mm=4	tpi, set, 250' coil
51-A-25	1 " Bandsaw Blade 25x0.7 mm x A 8 mm=3	tpi, set, 250' coil
51-A-30	1.1/4" Bandsaw Blade 30x0.8 mm x A12 mm=2,11	tpi, set, 250' coil
51-A-40	1.1/2" Bandsaw Blade 40x0.8 mm x A12 mm=2,11	tpi, set, 250' coil
51-A-50	2 " Bandsaw Blade 50x0.9 mm x A12 mm=2,11	tpi, set, 250' coil
51-A-60	2.1/2" Bandsaw Blade 60x0.9 mm x A12 mm=2,11	tpi, set, 250' coil
51-A-75	3 " Bandsaw Blade 75x0.9 mm x A12 mm=2,11	tpi, set, 250' coil

WOOD BANSAW BLADES, in rolls of 20, 22, 25, 50 or 100 m

- available in
- a) toothed only (not set, not sharpened)
 - b) toothed & set (not sharpened)
 - c) toothed, set & sharpened

10 mm - 3/8"	10 x 0,6 x A 6 mm = abt. 4 tpi
12 mm - 1/2"	12 x 0,6 x A 6 mm = abt. 4 tpi
15 mm - 5/8"	15 x 0,6 x A 6 mm = abt. 4 tpi
20 mm - 3/4"	20 x 0,7 x A 8 mm = abt. 3 tpi
25 mm - 1"	25 x 0,7 x A 8 mm = abt. 3 tpi
30 mm - 1.1/4"	30 x 0,7 x A 9 mm = abt. 3 tpi
35 mm - 1.3/8"	35 x 0,8 x A 10 mm = abt. 2,5 tpi
40 mm - 1.1/2"	40 x 0,8 x A 10 mm = abt. 2,5 tpi
45 mm - 1.3/4"	45 x 0,8 x A 11 mm = abt. 2,5 tpi
50 mm - 2"	50 x 0,9 x A 12 mm = abt. 2 tpi
60 mm - 2.1/2"	60 x 1,0 x A 14 mm = abt. 1,8 tpi



HERMANN JAEGER GMBH - HAMBURG / GERMANY

Tube Expanders, Dudgeon pattern No. 5



Size	Expansion range mm	Length of rolls mm	Ext. dia. of tube Zoll / inch	Weight kg
0	10 - 11,5	20	1/2"	0,2
1	13 - 15	20	5/8"	0,2
2	16 - 18,5	20	3/4"	0,3
3	19 - 22	20	7/8"	0,3
4	22 - 25,5	25	1"	0,4
5	25 - 28,5	25	1 1/8"	0,5
1	26 - 30	30	1 1/4"	0,8
2	29 - 34	30	1 3/8"	0,8
3	32 - 37	30	1 1/2"	1
4	35 - 41	30	1 5/8"	1
5	37 - 44	30	1 3/4"	1,1
6	40 - 46	30	1 7/8"	1,2
7	44 - 51	30	2"	1,7
8	47 - 55	30	2 1/8"	1,8
9	50 - 58	30	2 1/4"	2,1
10	56 - 65	30	2 1/2"	2,4
11	60 - 70	35	2 5/8"	3,5
12	63 - 73	35	2 3/4"	3,7
13	68 - 79	35	3"	3,9
14	74 - 86	35	3 1/4"	4,6
15	80 - 92	35	3 1/2"	5
16	85 - 97	35	3 3/4"	5,5
17	90 - 102	35	4"	6
18	98 - 110	35	4 1/4"	7

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Self-feeding Tube Expanders with adjustable collar No. 26



Size	Expansion range mm	Length of rolls mm	Length of expansion mm	Square mm	Weight kg
MB 000	4,2 - 4,7	13	06. Okt	1/4"	0,03
MB 00	4,6 - 5,1	13	06. Okt	1/4"	0,03
MB 0	5,0 - 5,6	13	06. Okt	1/4"	0,03
MB 11	5,4 - 6,0	25	13 - 22	1/4"	0,04
MB 12	5,7 - 6,3	25	13 - 22	1/4"	0,04
MB 13	6,2 - 6,8	25	13 - 22	1/4"	0,04
MB 14	6,6 - 7,2	25	13 - 22	1/4"	0,05
MB 15	6,9 - 7,5	25	13 - 22	1/4"	0,05
MB 16	7,4 - 8,4	25	13 - 22	1/4"	0,06
MB 17	7,8 - 8,8	25	13 - 22	1/4"	0,06
MB 18	8,2 - 9,2	25	13 - 22	1/4"	0,07
MB 19	8,6 - 9,7	25	13 - 22	1/4"	0,07
MB 20	8,9 - 10	25	13 - 22	1/4"	0,07
0	9,6 - 11,2	28	Dez 25	9	0,2
1	10,6 - 12,2	28	Dez 25	9	0,2
2	11,5 - 13,5	28	Dez 25	9	0,2
3	12,5 - 14,5	36	15 - 32	9	0,3
1	13,5 - 15,5	36	15 - 32	9	0,3
2	14,5 - 16,9	45	20 - 40	9	0,4
3	15,5 - 17,9	45	20 - 40	9	0,4
4	16,5 - 19,5	50	20 - 45	9	0,6
5	17,3 - 20,3	50	20 - 45	9	0,6
6	18,3 - 21,3	50	20 - 45	9	0,6
7	19 - 22	50	20 - 45	9	0,7
8	20 - 23	50	20 - 45	9	0,8
9	21 - 24,5	50	20 - 45	12	0,8
10	22 - 25,5	50	20 - 45	12	1
11	23 - 26,5	50	20 - 45	12	1,1
12	24 - 28	55	25 - 50	14	1,1
13	26 - 30	55	25 - 50	14	1,1
14	28 - 32	55	25 - 50	14	1,1
15	30 - 34	55	25 - 50	14	1,4
16	32 - 36	55	25 - 50	14	1,5
17	34 - 38	55	25 - 50	14	1,5
18	36 - 41	62	25 - 55	16	2,1
19	38 - 43	62	25 - 55	16	2,1
20	40 - 45	62	25 - 55	16	2,2
21	42 - 47	62	25 - 55	16	2,9
22	44 - 50	68	25 - 60	18	3,1
23	46 - 52	68	25 - 60	18	3,2
24	48 - 55	68	25 - 60	18	3,8
25	50 - 57	68	25 - 60	18	3,8
26	52 - 59	68	25 - 60	18	3,8
27	54 - 61	68	25 - 60	18	4,5
28	56 - 63	68	25 - 60	18	4,6
29	58 - 65	68	25 - 60	18	4,6
30	60 - 68	68	25 - 60	22	5,3
31	62 - 70	68	25 - 60	22	5,4
32	64 - 72	68	25 - 60	22	5,5



Size	Expansion range mm	Length of rolls mm	Length of expansion mm	Square mm	Weight kg
4	14 - 16,5	20	15	9	0,1
5	15 - 17,5	25	20	9	0,1
6	16 - 18,5	25	20	9	0,1
7	17 - 20	25	20	9	0,1
8	18 - 21	25	20	9	0,2
9	19 - 22	25	20	9	0,2
10	20 - 23	25	20	9	0,2
11	21 - 24	30	22	9	0,3
12	22 - 25	30	22	9	0,3
13	23 - 26	30	22	9	0,3
14	24 - 27	30	22	9	0,3
15	25 - 28	30	22	9	0,4
1	26 - 31	35	27	12	0,4
2	29 - 34	35	27	12	0,5
3	32 - 37	35	27	12	0,6
4	35 - 40	35	27	14	0,7
5	37 - 43	35	27	14	0,8
6	40 - 46	35	27	14	0,9
7	44 - 50	40	30	16	1,2
8	47 - 54	40	30	16	1,4
9	50 - 57	40	30	16	1,6
10	56 - 64	40	30	16	1,7
11	60 - 69	45	35	18	2,5
12	63 - 72	45	35	18	2,8
13	68 - 77	45	35	22	3,3
14	74 - 86	45	35	22	3,8
15	80 - 92	50	40	26	5
16	85 - 97	50	40	26	5,6
17	90 - 102	50	40	26	6
18	98 - 110	50	40	26	7

Made-to-measure abrasives

For all kinds of applications and tasks, VSM supplies the right abrasive tools: belts, discs, sheets, rolls and other abrasive tools in a wide range of dimensions:

Silicon-carbide abrasives with black grain/bonding agent layer are particularly good for grinding plastics, paints, rubber, wood products, titanium alloys and occasionally cast iron.

Aluminium oxide abrasives with red-brown grain/bonding agent layer can be generally used for grinding metal and wood.

Abrasives with a coating of **zirconia alumina** have a blue grain/bonding agent layer and are ideal for metal grinding tasks, particularly if a lot of material has to be removed.

Abrasives with a **white-grey grain**/bonding agent layer are provided with a stearate coating that prevents clogging both when grinding paints, varnishes and plastics and when working with aluminium and its alloys.

For economic **grinding of corrosion-proof steel**, VSM manufactures special abrasives with an additional layer that is active in the grinding process but also significantly reduces heat development and grain wear abrasion. The colour of the grain/bonding agent layer in these abrasives is red or blue.

VSM-antistatic-abrasives for all sanding tasks in woodworking have a black grain/bonding agent layer. Their use minimises electrostatic charging and reduces dust deposits on the sanding machine, the workpiece and on the sanding belt.

VSM **compact grain abrasives** are coated with granulate consisting of abrasive grit and bonding agent. The use of a multi-layer grain coating means that the product wears down layer by layer ensuring a correspondingly long service life and a constant rate of material removal and surface roughness.

VSM KF708 Aluminium Oxide Fibre Disc Vitex 100 x 16 mm - grit 16 - 120

VSM KF708 Aluminium Oxide Fibre Disc Vitex 180 x 22 mm - grit 16 - 120

Aluminium KF787 Oxide Fibre Disc Vitex 100 x 16 mm - grit 16 - 150

VSM SF08 Silicone Carbide Fibre Disc 100 x 16 mm - grit 16 - 120 (not grit 40)

Grits: 16 - 24 - 36 - 40 - 50 - 60 - 80 - 100 - 120 - 150



ALLROUND WHEEL WIRE BRUSHES



Filling materials steelwire, brass wire, brassed steel wire, stainl. steel wire V2A

Please specify required diameter, width, bore and filling material

DEBURRING WHEEL WIRE BRUSHES



Filling materials steelwire, brass wire, brassed steel wire, stainl. steel wire V2A

Please specify required diameter, width, bore and filling material

LIGHT WHEEL WIRE BRUSHES



Filling materials steelwire, brass wire, brassed steel wire, stainl. steel wire V2A

Please specify required diameter, width, bore and filling material

SINGLE WHEEL WIRE BRUSHES



Filling materials steelwire, brass wire, brassed steel wire, stainl. steel wire V2A

Please specify required diameter, width, bore and filling material

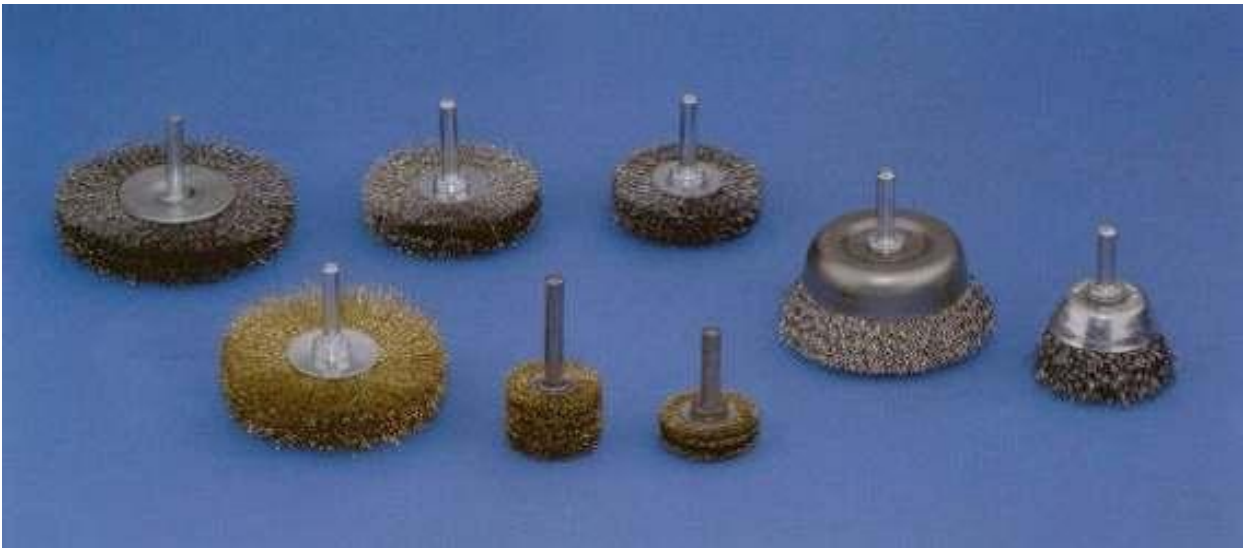
CRIMPED CUP WIRE BRUSHES



Filling materials steelwire, brass wire, brassed steel wire, stainl. steel wire V2A

Please specify required diameter,bore or thread connection, and filling material

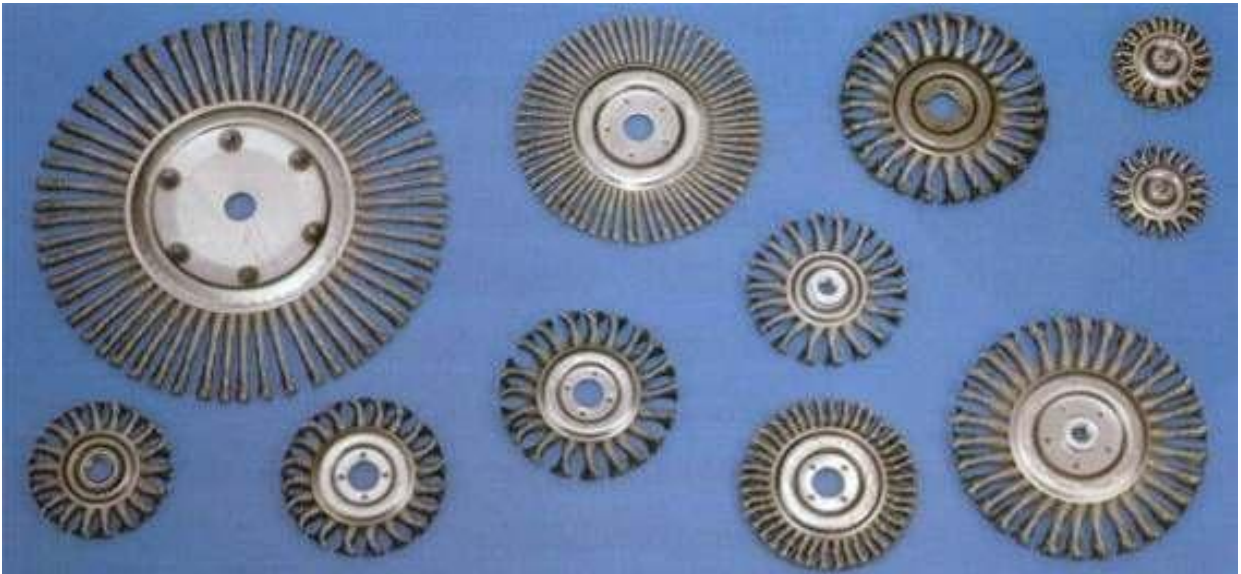
SHAFTMOUNTED MINI WIRE BRUSHES



Filling materials steelwire, brass wire, brassed steel wire, stainl. steel wire V2A

Please specify required diameter,type, and filling material

KNOTTED WHEEL WIRE BRUSHES



Filling materials steelwire, stainl. steel wire V2A

Please specify required diameter,width, bore, and filling material

KNOTTED CUP WIRE BRUSHES



Filling materials steelwire, stainl. steel wire V2A

Please specify required diameter,width, bore, and filling material

KNOTTED SURFACE (CUP) WIRE BRUSHES



Filling materials steelwire, stainl. steel wire V2A

Please specify required diameter,width, bore, and filling material

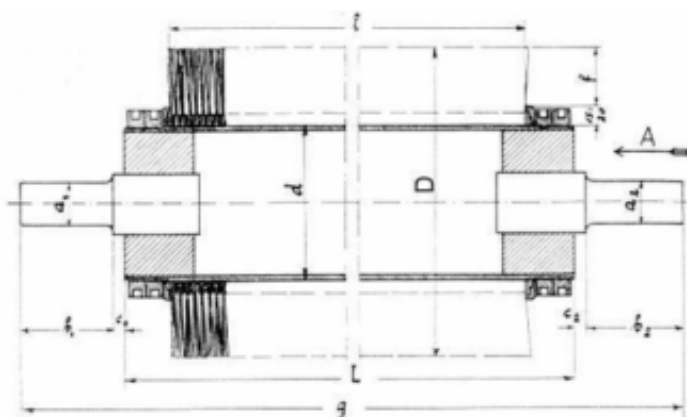
CONICAL WHEELWIRE BRUSHES



Filling materials steelwire, stainl. steel wire V2A

Please specify required diameter,width, bore / thread connection, and filling material
Also available with crimped filling material

SPECIAL WHEEL BRUSHES



Please specify your requirements

Filling materials

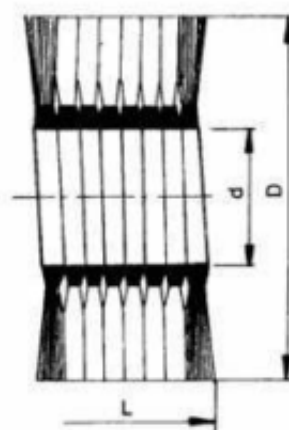
Polyamid bristles 0,20 - 2,00 mm

crimped steel wire 0,10 - 0,80 mm

crimped stainl. steel wire 0,10 - 0,80 mm

crimped brass wire 0,10 - 0,30 mm

on request also with grid bristles, fibre, natural bristles, etc.



HAND SCRATCH BRUSHES / SPARK PLUG BRUSHES

Please specify the required
filling material, straight or crimped
and number of rows.



HERMANN JAEGER GMBH - HAMBURG / GERMANY

Standard grease gun, HHFP

with ZBH, connection G 1/8"



Technical data	
Diameter of piston:	8 mm
Actuation grease piston:	manually lever operated
Delivery rate / stroke :	1,2 cm ³ , at a counter-pressure of 400 bar
Discharge pressure:	up to 400 bar
Grease gun connection,	G 1/8"
Burst pressure (system):	850 bar
Burst pressure (grease gun	1200 bar
Capacity:	500 cm ³
Loading:	400 g grease cartridge, DIN 1284, or bulk grease
Operation of plunger rod :	with L-design handle
Sealing cover:	loose
Wall thickness of grease gun	1,0 mm
Lacquering:	silver
Package:	polybag, printed, with Bar code
Dimensions of package LWH (mm):	380 x 125 x 70
Weight including package:	1,25 kg

Specification	
12735	With 1 spout, angled, G 1/8", 150 mm
12731	With 1 coupler, 4 jaws G 1/8"

Note	
	Processing of greases, up to NLGI 2
	Contoured plunger, tight fitting, with bulk grease or cartridges
	Acc. to DIN 1283
	Dummy lubrication)
	Performance unchanged after 5000 actuating cycles
	Grease gun head, zinc die casting Z 410
	Sure grip handling due to deep band knurls
	Safe handle on the plunger rod
	Slip resistant handle on grease gun lever
	applied to spring to compress bulk grease, or to force in the
	operational efficiency
	tube

Package	
Dimensions LxWxH (mm):	400 x 360 x 145
Weight (kg):	13,2
Packing unit:	10



12632 125



12735



12731

EXTRAS



12756

high pressure hose, G 1/8" male , 8 x 300 mm

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Compressed air grease gun, DLFP

with ZBH, connection M 10 x 1



Technical data	
Grease supply into the	spring operated
Operation of plunger rod :	with L-design handle
Sealing cover:	loose
Diameter of piston:	6 mm
Actuation grease piston:	single-stroke grease supply
Delivery rate / stroke :	0,8 cm³
Operating air pressure	6 bar
Pressure ratio :	50:01:00
Minimum pressure	2 bar
Maximum air pressure	8 bar
Compressed air connection :	hose nozzle, 6 mm, for hose, DN 6, 20132
Capacity:	500 cm³
Operating pressure:	100 up to 400 bar
Burst pressure (system):	850 bar
Burst pressure (grease gun)	1200 bar
Grease gun connection,	M 10 x 1
Loading:	400 g grease cartridge, DIN 1284, bulk grease
Wall thickness of grease gun	1,0 mm
Lacquering:	silver
Package:	polybag, blank, with Bar code
Dimensions of package LWH	380 x 190 x 70
Weight including package:	1,85 kg
Specification	
12635	With 1 spout, angled, M 10 x 1, 150 mm
12631	With 1 coupler, 4 jaws, M 10 x 1
Note	
	Processing of greases, up to NLGI 2
	Contoured plunger, tight fitting, with bulk grease or cartridges (lubrication)
	Performance unchanged after 5000 actuating cycles
	Safe handle on the plunger rod
	Grease gun head, zinc die casting Z 410
	Sure grip handling due to deep band knurls
	applied to spring to compress bulk grease, or to force in the plunger
	High-speed ventilation, by half a rotation of the grease gun tube
Package	
Dimensions LxWxH (mm):	400 x 360 x 145
Weight (kg):	10,2
Packing unit:	5



18071



12635



12631

EXTRAS



12655

High pressure hose, M10 x 1 male, 11 x 300 mm



12004 950
Button head coupler, M10 x 1 female for button head grease nipple, 16 mm

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Manually operated lubrication system

20 kg container, Ø 270 - 310 mm



Technical data for Art. 17620	
Flow media:	lubricating greases, up to NLGI 2
Delivery rate to refill grease	30 cm ³
Length of discharge hose:	1500 mm
Grease supply into the hand	manually lever operated
Follower plate:	for 20 kg container
Ø follower plate:	270 up to 310 mm
Lacquering dust cover:	Pantone 294c, blue satin
Length suction tube:	510 mm
Connection hose/one hand grease gun:	quick release adapter Rectus, type 26, 17601
	, with nonreturn valve
Pump body :	steel
Delivery rate EHFP / stroke :	0,4 cm ³
Discharge pressure:	up to 550 bar
Burst pressure EHFP:	850 bar
Burst pressure grease gun	1200 bar
Capacity EHFP :	125 cm ³
Grease gun connection,	M 10 x 1
Actuation grease piston:	manual, by means of pressure grip
Surface treatment:	all steel components are galvanized
Material pump head:	impact-resistant zinc die casting
Dimensions of package LWH	670 x 420 x 100
Weight including package:	5,5 kg
Specification	
	Manual pump to refill one hand operated grease gun
	Pump
	Suction tube
17176	Dust cover
17197	, stabilising-fixing bracket
17300	and follower plate
17600	One hand operated grease gun (EHFP), connection M 10 x 1
12435	Spout, straight, M 10 x 1, 150 mm
12631	Coupler, 4 jaws, M 10 x 1
17003	Discharge hose
	Packed in single carton box
Note	
	any time by simply lifting the dust cover (no screws have to
	it can be easily removed.
	enables the grease supply pump to be easily attached to
	and efficient operation of all manual and air operated grease
	provides safe working
Package	
Dimensions LxWxH (mm):	670 x 420 x 100
Weight (kg):	5,5
Packing unit:	1



17620

20 kg pail Ø 270-310 mm

17605

5 kg pail Ø 180-210 mm

17610

10 kg pail Ø 210-240 mm

17615

15 kg pail Ø 240-270 mm

17625

25 kg pail Ø 310-335 mm

17660

50 kg pail Ø 335-385 mm

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Hydraulic couplers, M 10 x 1 female resp. R1/8" female
with SF, Ø 15 mm



Technical data	
Connection 1:	for H-nipples
Connection 2:	M 10 x 1 female resp. R1/8" female
Design:	4 jaws, punched
SW:	13 mm
Material:	steel, galvanized
Diameter:	15 mm
Length:	36 mm
Weight:	0,03 kg
Package	
Dimensions LxWxH (mm):	160 x 100 x 65
Weight (kg):	3,16
Packing unit:	100



12631 - M10 x 1



12731 - R1/8"

High pressure hose, M 10 x 1 male resp. R1/8" male
11 x 300 mm, with spout

Technical data	
Connection high pressure	M 10 x 1 male resp. R1/8" male
Connection hydraulic coupler (	for H-nipples
Burst pressure:	900 bar
Diameter:	15 mm
Length:	330 mm
Weight:	0,1 kg



12655 810-M10 x 1
12755 810-R1/8"

High pressure hose, M 10 x 1 male
8 x 300 mm, with 4-jaw coupler

Technical data	
Connection high pressure	M 10 x 1 male resp. R1/8" male
Connection hydraulic coupler (	for H-nipples
Burst pressure:	900 bar
Diameter:	15 mm
Length:	330 mm
Weight:	0,064 kg



12656 810-M10 x 1
12756 810-R1/8"

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Button head coupler, M 10 x 1 female
for button head grease nipple, 16 mm



Technical data	
Connection 1:	button head coupler, for button head grease nipples, flat design, 16 mm / 0,62", DIN 3404,M1 + T1
Connection 2:	M 10 x 1 female
Material:	steel, galvanized
Dimension LWH (mm):	30 x 22 x 20
Weight:	0,032 kg



12004 950

Coupling, for M1- and T1-nipples
G 1/8" female

Technical data	
Connection 1:	button head coupler, for button head grease nipples, flat design, 16 mm / 0,62", DIN 3404,M1 + T1
Connection 2:	G 1/8" female
Location of coupling:	opposite to screw-in direction
Material:	steel, galvanized
Dimension LWH (mm):	35 x 25 x 17
Weight:	0,032 kg



12074 950

Bayonet coupler, M 10 x 1 female resp. R1/8"

Technical data	
Connection 1:	for all bayonet type grease nipples, diameter of head: 9,9 mm
Connection 2:	M 10 x 1 female resp. R1/8"
Material:	steel, galvanized
SW:	14 mm
Diameter:	20 mm
Length:	41 mm
Weight:	0,05 kg



12013 - M10
12023 - R1/8"

Spout, angled, M 10 x 1 male resp. R1/8"
with 4 jaw hydraulic coupler

Technical data	
Connection spout	M 10 x 1 male resp. R1/8"
Connection hydraulic coupler (	for H-nipples
Material:	steel, galvanized
Diameter:	15 mm
Length:	180 mm
Weight:	0,063 kg



12635 810-M10 x 1
12735 810- R1/8"

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Standard accessory set, G 1/8"



17020 125

Technical data	
Package:	robust sheet box, with Bar code
Threaded connectors:	G 1/8"
Dimension LWH (mm):	320 x 130 x 57
Weight:	1,3 kg
Specification	
	1 robust steel box 00 126
12731	2 hydraulic couplers, 4 jaws, G 1/8" female
12072	1 universal coupler, for H- and K-nipples, R 1/8" female,
12073	nipples
12074	1 button head coupler, for button head grease nipple, 16 mm /
12755	1 high pressure hose, G 1/8" male, 11 x 300 mm
12735	3 spouts, angled, G 1/8" male, 150 mm
12475	1 spout, straight, G 1/8" male, 150 mm
12035805	1 angle 90°, G 1/8" female, G 1/8" male
12006125	1 quick release adapter, G 1/8" female
12016	1 reducing socket, G 1/8" female, M 10 x 1 male
15007	3 hydraulic grease nipples each: H1: M 6 x 1
15009	, M 8 x 1
15013	, M 10 x 1
15037	, G 1/8" male
15107140	3 hydraulic grease nipples each: H2: M 6 x 1
15109140	, M 8 x 1
Package	
Dimensions LxWxH (mm):	320 x 130 x 57
Weight (kg):	1,3
Packing unit:	1

Grease cartridge, 400 g, NLGI 2

acc. to DIN 1284

Temperature range :	from -30 °C up to +120 °C (for permanently lubricated bearings from -30 °C to +80 °C)
Diameter:	52 mm
Length:	240 mm
Package:	cartridge, with Bar code
Weight:	0,43 kg
Specification	Multi-purpose grease, for sliding and roller bearing lubrication, under high load: water-resistant, acid-free
Package	
Dimensions LxWxH (mm):	285 x 250 x 230
Weight (kg):	9,2
Packing unit:	20



12511

HERMANN JAEGER GMBH - HAMBURG / GERMANY



- 05133 Metal Oiler 250 ml w. plastic pump and superflex spout 210 mm
- 05134 Metal Oiler 350 ml w. plastic pump and superflex spout 210 mm
- 05135 Metal Oiler 500 ml w. plastic pump and superflex spout 210 mm



- 05223 Metal Oiler 250 ml w. brass pump and flexible and rigid spout
- 05224 Metal Oiler 350 ml w. brass pump and flexible and rigid spout
- 05225 Metal Oiler 500 ml w. brass pump and flexible and rigid spout
- 05226 Metal Oiler 750 ml w. brass pump and flexible and rigid spout



- 05118 Plastic Oiler 350 ml transparent w. plastic pump and spout



- 05138 Plastic Oiler 350 ml transparent w. plastic pump and superflex spout
- 05139 Plastic Oiler 500 ml transparent w. plastic pump and superflex spout



- 06266 Pump Sprayer 750 ml f. water only
- 06267 Pump Sprayer 750 ml f. most chemical agents



06267

06266

- 02372 Plastic Funnel 160 mm Ø capacity 1.30 l w. strainer straight spout



- 02360 Plastic Funnel Set 4 pcs. Ø 50-75-100-120 mm



- 02674 Plastic Funnel Ø 160 mm capacity 1.3 l w. strainer and flex. spout

- 07500 Transpartent Plastic Liquid Measure 0.5 l w. integral rigid spout
- 07501 Transpartent Plastic Liquid Measure 1.0 l w. integral rigid spout
- 07502 Transpartent Plastic Liquid Measure 2.0 l w. integral rigid spout
- 07503 Transpartent Plastic Liquid Measure 3.0 l w. integral rigid spout
- 07505 Transpartent Plastic Liquid Measure 5.0 l w. integral rigid spout



- 00328 Flexible Spout 160 mm f. 07500+07501
- 00328950 Flexible Spout 160 mm f. 07502
- 00238820 Flexible Spout 330 mm f. 07503+07505



00328

00238820

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Grease supply system, SRL 700

50 kg container, Ø 335 - 385 mm



Technical data	
Length suction tube:	700 mm
Compressed air connection :	G 1/4" female
Specification	
	Pneumatic pump 50:1
	Special pump mechanism
	Suction tube
	Dust cover, stabilising-fixing bracket and follower plate
	Pressure reducing valve (pre-set at 8 bar)
Package	
Dimensions LxWxH (mm):	1010 x 480 x 105
Weight (kg):	13
Packing unit:	1



18 760 051
for 50 kg containers

Technical data pneumatik pump 50:1	
Total length of pump:	225 mm / 820 mm
Maximum diameter:	130 mm
Motor weight/total weight:	3,4 kg / 6,7 kg
Transmission ratio:	50:01:00
Maximum air pressure:	10 bar
Minimum air pressure:	2 bar
Recommended air	8 bar
Stroke volume, motor:	220 cm ³
Stroke volume, pump:	8 cm ³
Stroke number at 8 bar (free	220 /min
Pump performance at 8 bar	1100 g/min
Pump pressure at 8 bar	400 bar
Air consumption at 8 bar	400 l/min
Feeding pipeline length:	Depends on each single construction.
Maximum suction heighth:	Pump unit on suction point.
Airline connection:	G 1/4" female
Connection, suction side:	Ø 35 mm
Connection, pressure side:	G 1/4" male
Noise level on no load, acc.	78 db (A) (2 m distance)
Noise level under load, acc.	77 db (A) (2 m distance)
General application areas:	For dispensing of standard lubricating and multi-purpose greases from NLGI grade 0 up to NLGI grade 2 out of original containers, e.g. greases for centralised lubricating systems.
Classical application area:	Mobile as a pump suitable for 50 kg container with 4 m discharge hose, Z-swivel and high pressure grease gun, mounted on a trolley
Viscosity of the medium to	Grease of consistency grade 2 acc. NLGI
Classical medium to be	Lubricating greases

18 730 051
for 15 kg containers

18 740 051
for 20-30 kg containers

18 750 051
for 25 kg containers

18 780 051
for 200 kg containers

HERMANN JAEGER GMBH - HAMBURG / GERMANY

Pneumatic pump 3:1

SRL 570, for 60 l container



19205

for 60 l containers

Technical data	
Length suction tube:	570 mm
Connection, discharge side:	G 1/2" male
Connection container :	G 2" male, barrel screw coupling
Compressed air connection :	G 1/4" female
Specification	
	Not calibratable
	Suction tube, G 3/4" male
	viscosity 90 SAE)
	recommend the use of an overflow valve either
19648	16 bar, or
19506	20 bar
	Can be easily combined with several hose reels
Package	
Dimensions LxWxH (mm):	1000 x 195 x 190
Weight (kg):	6,68
Packing unit:	1

Techical data pneumatic pump 3:1	
Total length of pump:	360 mm / 1200 mm
Maximum diameter:	130 mm
Motor weight/total weight:	3,8 kg / 5,2 kg
Transmission ratio:	03:01
Maximum air pressure:	10 bar
Minimum air pressure:	2 bar
Recommended air pressure:	8 bar
Stroke volume, motor:	220 cm ³
Stroke volume, pump:	70 cm ³
Stroke number at 8 bar (free	260 /min
Pump performance at 8 bar	22 l/min
Pump pressure at 8 bar	24 bar
Air consumption at 8 bar	470 l/min
Feeding pipeline length:	Depends on each single construction.
Maximum suction heighth:	6 m WS, G 3/4" suction tube
Airline connection:	G 1/4" female
Connection, suction side:	G 3/4" female
Connection, pressure side:	G 1/2" male
Noise level on no load, acc.	78 db (A) (2 m distance)
Noise level under load, acc.	77 db (A) (2 m distance)
General application areas:	Pump for dispensing of engine-and hydraulic oils out of original containers or bulk tanks
Classical application area:	Stationary wall-mounted, completey assembled with suction tube/hose set, hose reel and manual oil control valve with meter.
Viscosity of the medium to	For oils up to SAE 90
Classical medium to be	Engine- and gear oils

19235

for 200/220 l containers

19235 390 INOX

for 200/220 l containers

19265

for bulk storage tanks

19285

for indepent wall mounting using accessories 19512, 19521, 19522, 19523 or 19523 001

HERMANN JAEGER GMBH - HAMBURG / GERMANY

PREMAxx, 52 l/min, set

230 V, 1~AC, Euro two-pin plug



Technical data

Dim. of pump LWH (mm):	90 x 120 x 300
Connection container :	G 2" male, barrel screw coupling
Connection, discharge side:	G 1" male
Weight motor and pump:	2,5 kg
Hydraulic data:	
Pump design:	axial gear, not selfpriming
Delivery rate:	52 l/min, free discharge
Delivery height:	up to 15 m
Suction height:	up to 2 m
Flow media:	fuel oils and diesel
Motor data:	
Voltage:	230 V
Frequency:	50 Hz
Power consumption:	1,8 A
Power:	0,32 KW
Fuse:	thermal protection switch, self-resetting
Duty cycle:	continuous operation
Revolution count :	approx. 7500 rpm *
Safety type:	IP 44
Material of pump body and	PA
* at 0,5 bar counter-pressure	



23731

PREMAxx, 52 l/min, set
230 V, 1~AC, Euro two-pin
plug

23 731 932

PREMAxx, 52 l/min, set
230 V, 1~AC, three-pin-plug
GB

Specification

	Suction hose, 1,6 m, with filter
	Discharge hose, 4 m, with anti-kink spring, G 1" male, G 1" female
	Standard shut-off valve, plastic
	For 200 up to 1000 l container
	Euro two-pin plug, 2 m cable
	Barrel screw coupling , G 2" male and M 64 x 4 male
	PRESSOL siphon protection acc. to WHG (German government regulation for environmental care), continuously active
	Motor with thermal protection switch, self-resetting
	Illuminated on/off switch
	Sales package, in high quality design

Package

Dimensions LxWxH (mm):	400 x 400 x 220
Weight (kg):	4,5
Packing unit:	1

DELIVERY PROGRAM - INDEX

FELDER Welding, Hard Soldering and Soft Soldering Materials:

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- Special Brass Hard Solder, Copper Welding Wire	page 4
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FELDER-silver hard solder alloys, acc. DIN EN 1044, cadmium free, bare or flux coated acc. DIN EN 1045 FH 10

wire diameter: 0,5 - 0,7 - 0,8 - 1,0 - 1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 Ø
 flux-coated from 1,5 mm Ø

Supply forms: 500 mm rods - 1,0 kg coils - wire on spools,
 small packages as rings per 100 g - rods per 25 pieces or 200 g
 tapes from 0,05 mm thickness, max. width 70 mm,
 pieces made of wire in form of coils or cuts,
 pieces made of tapes in form of small plates or slices

Article description DIN EN 1044	ISO 3677	composition (weight-%) Ag Cu Zn Ni others	working temp. app. ° C	tensile strength of the soldering (N/mm²)	density (g/cm³)	for hard soldering of following materials
Ag 208 (L-Ag5)	B-Cu55ZnAg(Si)-820/870	5 55 40 -- --	860	400	8,4	steel, copper, copper alloys, nickel, nickel alloys, malleable cast-iron
Ag 207 (L-Ag12)	B-Cu48ZnAg(Si)-800/830	12 48 40 -- --	830	400	8,5	
Ag 206 (L-Ag20)	B-Cu44ZnAg(Si)-690/810	20 45 35 -- --	810	400	8,7	
Ag 205 (L-Ag25)	B-Cu40ZnAg-700/790	25 41 34 -- --	780	400	8,8	
Ag 204 (L-Ag30)	B-Cu38ZnAg-680/765	30 38 32 -- --	750	400	8,9	
Ag 203 (L-Ag44)	B-Ag44CuZn-675/735	44 30 26 -- --	730	450	9,1	thermal stability up to 300° C
Ag 108 (L-Ag25Sn)	B-Cu40ZnAgSn-680/760	25 40 33 -- 2 Sn				
Ag 107 (L-Ag30Sn)	B-Cu36AgZnSn-665/755	30 36 32 -- 2 Sn	740	430	8,8	
Ag 106 (L-Ag34Sn)	B-Cu36ZnAgSn-630/730	34 36 27 -- 3 Sn	710	430	9,0	
Ag 105 (L-Ag40Sn)	B-Ag40CuZnSn-650/710	40 30 28 -- 2 Sn	690	400	9,1	
Ag 104 (L-Ag45Sn)	B-Ag45CuZnSn-640/680	45 27 25 -- 3 Sn	670	400	9,2	thermal stability up to 200° C
Ag 102 (L-Ag55Sn)	B-Ag56CuZnSn-620/655	56 22 17 -- 5 Sn	650	400	9,4	
Ag 202 (L-Ag60)	B-Ag60CuZn-695/730	60 26 14 -- --				
Ag 101 (L-Ag60Sn)	B-Ag60CuZnSn-620/685	60 23 14 -- 3 Sn	680	400	9,6	silver and silver alloys
L-Ag64		64 21 15 -- --	720	450	9,7	
Ag 503 (L-Ag27)	B-Cu38AgZnMnNi-680/830	27 39 20,5 5 8,5 Mn				hard metal on steel, tungsten and molybdenum materials
Ag 502 (L-Ag49)	B-Ag49ZnCuMnNi-680/705	49 17 22,5 5 6,5 Mn	690	300	8,9	
Ag 401 (L-Ag72)	B-Ag72Cu-780	72 28 -- -- --	780		10,0	metalized ceramics
Ag 403 (L-Ag56InNi)	B-Ag56CuInNi-600/710	56 26 -- 4 14 In	730	300	9,5	steel, stainless steel, copper, nickel

Further alloys and sizes are deliverable on request

subject to technical alterations

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02-2005



FELDER-silver hard solder alloys, acc. DIN EN 1044, containing cadmium, bare or flux-coated acc. DIN EN 1045 FH 10

Wire diameter: 0,5 - 0,7 - 0,8 - 1,0 - 1,5 - 2,0 - 2,5 - 3,0 - 4,0 - 5,0 - 6,0 Ø
flux-coated from 1,5 mm Ø

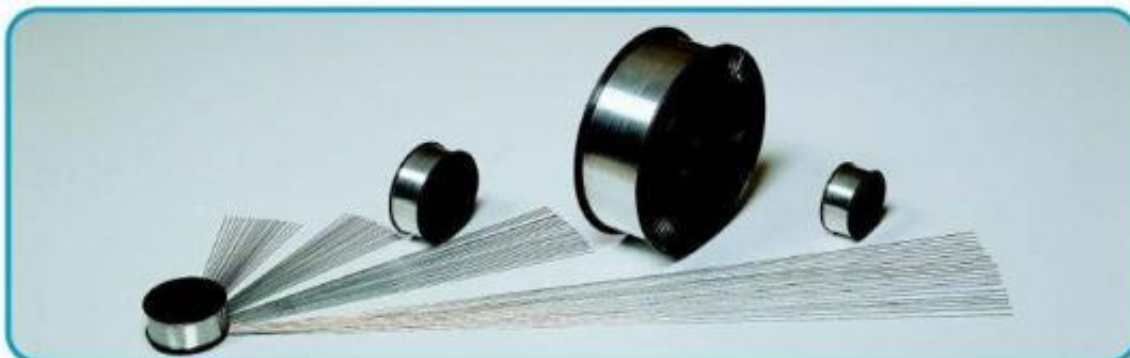
Supply forms: 500 mm rods - 1,0 kg rings - wire on spools,
small packages as coils per 100 g - rods per 25 pieces or 200 g
tapes from 0,05 mm thickness, max. width 70 mm,
pieces made of wire as coils or cuts,
pieces made of tapes in form of small plates or slices

Article- description DIN EN 1044	ISO 3677	composition (weight-%) Ag Cu Zn Cd Ni					working temperature abt. ° C	tensile strength of the soldering (N/mm²)	density (g/cm³)	for hard soldering of the following basic material
Ag 309 (L-Ag20Cd)	B-Cu40ZnAgCd-605/765	20	40	25	15	--	750	410	8,8	steel, precious metals, copper, copper alloys, nickel, nickel alloys thermal stability up to 200° C
Ag 307 (L-Ag25Cd)	B-Cu30ZnAgCd-605/720	25	30	27	18	--	710	420	8,8	
Ag 306 (L-Ag30Cd)	B-Ag30CuCdZn-600/690	30	28	21	21	--	680	420	9,2	
Ag 305 (L-Ag34Cd)	B-Ag35CuZnCd-610/700	34	22	24	20	--	640	430	9,1	
Ag 304 (L-Ag40Cd)	B-Ag40ZnCdCu-595/630	40	19	21	20	--	610	450	9,3	
Ag 302 (L-Ag45Cd)	B-Ag45CdZnCu-620/635	45	16	17	22	--	620	450	9,4	
Ag 301 (L-Ag50Cd)	B-Ag50CdZnCu-620/640	50	15	17	18	--	640	350	9,5	
Ag 351 (L-Ag50CdNi)	B-Ag50CdZnCuNi-635/655	50	15	16	16	3	660	300	9,5	copper alloys, hard metal on steel
not standardized		Ag	Cu	Zn	Cd	Si				steel, copper, copper alloys, nickel, nickel alloys thermal stability up to 200° C
L-Ag20CdSi		20	39,8	25	15	0,2	750	350	8,8	
L-Ag30CdSi		30	27,8	21	21	0,2	680	380	9,2	
L-Ag40CdSi		40	18,8	21	20	0,2	610	400	9,3	

Further alloys and sizes are deliverable on request

Art.-No.	Description	Unit	
	Brass hard solder B-Cu60Zn(Si)(Mn), acc. DIN EN 1044, CU 303 (previous L-CuZn40, DIN 8513), for brazing of copper, nickel and steel as well as for welding of brass and bronze, solid, 1.000 mm rods, 25,0 kg box, working temperature: app. 900 °C		
30001000	1,00 mm diameter	25,0 kg	
30001500	1,50 mm diameter	25,0 kg	
30002000	2,00 mm diameter	25,0 kg	
30002500	2,50 mm diameter	25,0 kg	
30003000	3,00 mm diameter	25,0 kg	
30004000	4,00 mm diameter	25,0 kg	
30005000	5,00 mm diameter	25,0 kg	
30006000	6,00 mm diameter	25,0 kg	
30008000	8,00 mm diameter	25,0 kg	
30008500	10,00 mm diameter	25,0 kg	
30009000	15,00 mm diameter	25,0 kg	
	Brass hard solder „G“ B-Cu60Zn(Si)(Mn), acc. DIN EN 1044, CU 303 (previous L-CuZn40, DIN 8513), flux cored, acc. DIN EN 1045 FH 21, for hard soldering of copper, nickel and steel as well as for welding of brass and bronze, 500 mm rods, 5,0 kg box, working temperature: app. 900 °C		
30022550	2,50 mm square	5,0 kg	
30024050	4,00 mm square	5,0 kg	
	Brass hard solder „UM“ B-Cu60Zn(Si)(Mn), acc. DIN EN 1044, CU 303 (previous L-CuZn40, DIN 8513), flux coated, acc. DIN EN 1045 FH 21, for hard soldering of copper, nickel and steel as well as for welding of brass and bronze, 500 mm rods, 5,0 kg box, working temperature: app. 900 °C		
30012050	2,00 mm diameter	5,0 kg	
30012550	2,50 mm diameter	5,0 kg	
30013050	3,00 mm diameter	5,0 kg	
30014050	4,00 mm diameter	5,0 kg	
	Special brass hard solder B-Cu59ZnSn(Ni)(Mn)(Si), acc. DIN EN 1044, CU 306 (previous L-CuZn39Sn, DIN 8513), for hard soldering of copper, nickel and steel as well as for welding of brass and bronze, 1.000 mm rods, 25,0 kg box, working temperature: app. 900 °C		
30102000	2,00 mm diameter	25,0 kg	
30103000	3,00 mm diameter	25,0 kg	
30104000	4,00 mm diameter	25,0 kg	
	Special brass hard solder „G“ B-Cu59ZnSn(Ni)(Mn)(Si), DIN EN 1044, CU 306 (previous L-CuZn39Sn, DIN 8513), twisted, flux cored, acc. DIN EN 1045 FH 21, for hard soldering of copper, nickel, steel and galvanized steel sheets as well as for welding of brass and bronze, 500 mm rods, 5,0 kg box, working temperature: app. 900 °C		
30122550	2,50 mm diameter	5,0 kg	
30123550	3,50 mm diameter	5,0 kg	

Art.-No.	Description	Unit	
30112050	Special brass hard solder „UM“ B-Cu59ZnSn(Ni)(Mn)(Si), acc. DIN EN 1044, CU 306 (previous L-CuZn39Sn, DIN 8513), flux coated, acc. DIN EN 1045 FH 21, for hard soldering of copper, nickel, steel and galvanized steel sheets as well as for welding of brass and bronze, 500 mm rods, 5,0 kg box, working temperature: app. 900° C	5,0 kg	
30112550		5,0 kg	
30113050		5,0 kg	
30202000	Copper nickel brass hard solder B-Cu48ZnNi(Si), acc. DIN EN 1044, CU 305 (previous L-CuNi10Zn42, DIN 8513), for hard soldering of steel, malleable cast-iron, nickel, nickel alloys and cast-iron, solid, 1.000 mm rods, 25,0 kg box working temperature: app. 910° C	25,0 kg	
30203000		25,0 kg	
30204000		25,0 kg	
30212050	Copper nickel brass hard solder „UM“ B-Cu48ZnNi(Si), DIN EN 1044, CU 305 (previous L-CuNi10Zn42, DIN 8513), flux coated, acc. DIN EN 1045 FH 21, for hard soldering of steel, malleable cast-iron, nickel, nickel alloys and cast-iron, solid, 500 mm rods, 5,0 kg box working temperature: app. 910° C	5,0 kg	
30212550		5,0 kg	
30213050		5,0 kg	
30214050		5,0 kg	
31032000	Copper welding wire , acc. DIN 1733, S-CuAg, for gas welding of copper tubes, melting range: 1.070 -1.080 °C, 1.000 mm rods, 25,0 kg box,	25,0 kg	
31033000		25,0 kg	
31034000		25,0 kg	
31012000	Copper welding wire , acc. DIN 1733, S-CuSn, for WIG-welding of copper tubes, melting range: 1.020 -1.050 °C, 1.000 mm rods, 25,0 kg box,	25,0 kg	
31013000		25,0 kg	
31014000		25,0 kg	
31002000	Copper welding wire , acc. DIN 1733, S-Cu99,9, for welding of copper materials, melting range: app. 1.080 °C, 1.000 mm rods, 25,0 kg box,	25,0 kg	
31003000		25,0 kg	
31004000		25,0 kg	



FELDER-Aluminium welding wires, acc. DIN 1732, 10 kg boxes

Wire diameters: 1.000 mm rods = 1,0 - 1,5 - 2,0 - 3,0 - 4,0 - 5,0 mm Ø
 0,5 und 5,0 kg spools = 0,8 - 1,0 - 1,2 - 1,6 - 2,4 - 3,2 mm Ø

alloy DIN 1732	material-No.	working temperature app. °C	for welding of the following basic materials	suitable * recommended ** welding procedures
S-Al99,5	3.0259	650 - 660	Al99,5 / Al99 E-Al99,5 E-AlMgSi	WIG* MIG* gas welding*
S-Al99,8	3.0286	660	Al99,8 Al99,7 E-Al99,5 E-AlMgSi	WIG** MIG* gas welding*
S-Al99,5Ti	3.0805	650 - 660	Al99,5 / Al99 AlMn	WIG** MIG** gas welding**
S-AlMn	3.0516	650 - 660	AlMn AlMg1 / AlMg2 AlMgMn AlMg23 / AlMg5	WIG** MIG* gas welding**
S-AlMg3	3.3536	580 - 640	AlMg1 / AlMg2 AlMg3 / AlMgMn AlMgSi0,5 Al99,9Mg1 Al99Mg2 G-AlMg3 G-AlMg3(Cu)	WIG** MIG* gas welding**
S-AlMg5	3.3536	560 - 630	AlMg3 / AlMg5 AlMgMn AlMg4,5Mn AlMg3Si AlMgSi1 AlZnMg-alloys G-AlMg3 / G-AlMg3(Cu) G-AlMg5	WIG** MIG** gas welding*
S-AlMg4,5Mn	3.3548	560 - 630	AlMg4,5Mn AlMg5 / AlMg3 AlZnMg1 G-AlMg3 / G-AlMg5 AlMgSi0,5 AlMgSi1	WIG** MIG** gas welding*
S-AlSi5	3.2245	570 - 630	AlMgSi1 AlZnMg-alloys AlCuMg-alloys AlSi-casting alloys up to abt. 7 % Si-main portion of alloy	WIG** MIG** gas welding**
S-AlSi12	3.2585	570 - 585	AlSi-casting alloys over abt. 7 % main portion of alloy	WIG** MIG* gas welding**



FELDER-copper hard solder, acc. DIN EN 1044

size: 1,0 - 1,5 - 2,0 - 3,0 - 4,0 - 5,0 - 6,0 mm square or round

Forms of delivery: 500 mm rods - 1,0 kg coils - wire on spools,
tapes of 0,05 mm thickness, max. width 70 mm,
pieces made of wire in form of coils or cuts,
pieces made of tapes in form of small plates or slices

Article description DIN EN 1044	ISO 3677	Composition (weight-%)				working temperature app. ° C	tensile strength of the soldering (N/mm ²)	density (g/cm ³)	for hard soldering of following materials copper to copper (without flux), brass, red brass and copper-tin- alloys with flux for silver solder „Cu-Rosil®“ not usable with materials containing sulphur thermal stability to 200° C
		Ag	Cu	P	Sn				
Cu-Rophos®94 CP 203	B-Cu94P	--	94	6	--	730	250	8,1	
Cu-Rophos®93 CP 202	B-Cu93P	--	93	7	--	720	250	8,1	
Cu-Rophos®92 CP 201	B-Cu92P	--	92	8	--	710	250	8,0	
Cu-Rophos®2 CP 105	B-Cu92Ag	2	91,5	6,5	--	710	250	8,1	
Cu-Rophos®5 CP 104	B-Cu89Ag	5	89	6	--	710	250	8,2	
Cu-Rophos®15 CP 102	B-Cu80AgP	15	80	5	--	710	250	8,4	
Cu-Rophos®18 CP 101	B-Cu75AgP	18	75	7	--	650	250	8,4	
Cu-Rophos®86 CP 302	B-Cu86SnP	--	86,25	6,75	7	690	250	8,0	

Further alloys and sizes are deliverable on request

Art.-No.	Description	Unit
Soft solder, acc. DIN EN 29453 triangular rods of 400 mm		
	Melting Range	
12250122	S-Pb74Sn25Sb1, coachwork tin	185 - 263° C 25,0 kg
12251000	S-Pb74Sn25Sb1, pressed rods, coachwork tin	185 - 263° C 25,0 kg
12310120	S-Pb70Sn30	183 - 255° C 25,0 kg
12360122	S-Pb65Sn35	183 - 245° C 25,0 kg
12410122	S-Pb60Sn40, tin for roofers, for Cu- and Zn-gutter	183 - 235° C 25,0 kg
12510120	S-Pb50Sn50Sb	183 - 216° C 25,0 kg
12610120	S-Sn60Pb40Sb	183 - 190° C 25,0 kg
12970120	S-Sn97Cu3, tin for roofers, for Cu-gutters (without studs)	230 - 250° C 20,0 kg
12990120	Pure tin, S-Sn99,9 232° C	20,0 kg
further pure tin alloys with copper or antimony additives are deliverable		
Solder wire ISO-Core® „SP“, acc. DIN EN 29453, flux cored, DIN EN 29454.1, 2.1.3.B (F-SW 24), soft solder for general soldering works (not suitable in field of electronics)		
	Melting Range	
15322072	S-Pb70Sn30 183 - 255° C	2,00 mm Ø 1 m cardette 50 pc
15322010		2,00 mm Ø 0,100 kg spool 10,0 kg
15322020		2,00 mm Ø 0,250 kg spool 12,5 kg
15322030		2,00 mm Ø 0,500 kg spool 15,0 kg
15322040		2,00 mm Ø 1,000 kg spool 20,0 kg
15401570	S-Pb60Sn40 183 - 235° C	1,50 mm Ø 1 m cardette 50 pc
15401510		1,50 mm Ø 0,100 kg spool 10,0 kg
15401520		1,50 mm Ø 0,250 kg spool 12,5 kg
15401530		1,50 mm Ø 0,500 kg spool 15,0 kg
15401540		1,50 mm Ø 1,000 kg spool 20,0 kg
15402072		2,00 mm Ø 20 g cardette 50 pc
15402010		2,00 mm Ø 0,100 kg spool 10,0 kg
15402020		2,00 mm Ø 0,250 kg spool 12,5 kg
15402030		2,00 mm Ø 0,500 kg spool 15,0 kg
15402040		2,00 mm Ø 1,000 kg spool 20,0 kg
15403010		3,00 mm Ø 0,100 kg spool 10,0 kg
15403020		3,00 mm Ø 0,250 kg spool 12,5 kg
15403030		3,00 mm Ø 0,500 kg spool 15,0 kg
15403040		3,00 mm Ø 1,000 kg spool 20,0 kg
15602010	S-Sn60Pb40 183 - 190° C	2,00 mm Ø 0,100 kg spool 10,0 kg
15602020		2,00 mm Ø 0,250 kg spool 12,5 kg
15602030		2,00 mm Ø 0,500 kg spool 15,0 kg
15602040		2,00 mm Ø 1,000 kg spool 20,0 kg
15603010		3,00 mm Ø 0,100 kg spool 10,0 kg
15603020		3,00 mm Ø 0,250 kg spool 12,5 kg
15603030		3,00 mm Ø 0,500 kg spool 15,0 kg
15603040		3,00 mm Ø 1,000 kg spool 20,0 kg



Other alloys are deliverable on request

Art.-No.	Description	Unit
Solder wire ISO-Core® „RA“, acc. DIN EN 29453, flux cored solder wire, DIN EN 29454.1, 1.1.2.B (F-SW 26), for soldering in the field of electronics and electrical engineering, halide activated		
	<u>Melting Range</u>	
18401570	S-Pb60Sn40 183 - 235° C	1,50 mm Ø 1 m cardette 50 pc
18401510		1,50 mm Ø 0,100 kg spool 10,0 kg
18401520		1,50 mm Ø 0,250 kg spool 12,5 kg
18401530		1,50 mm Ø 0,500 kg spool 15,0 kg
18401540		1,50 mm Ø 1,000 kg spool 20,0 kg
18402072	S-Pb60Sn40 183 - 235° C	2,00 mm Ø 20 g cardette 50 pc
18402010		2,00 mm Ø 0,100 kg spool 10,0 kg
18402020		2,00 mm Ø 0,250 kg spool 12,5 kg
18402030		2,00 mm Ø 0,500 kg spool 15,0 kg
18402040		2,00 mm Ø 1,000 kg spool 20,0 kg
18403010	S-Pb60Sn40 183 - 235° C	3,00 mm Ø 0,100 kg spool 10,0 kg
18403020		3,00 mm Ø 0,250 kg spool 12,5 kg
18403030		3,00 mm Ø 0,500 kg spool 15,0 kg
18403040		3,00 mm Ø 1,000 kg spool 20,0 kg
18600510	S-Sn60Pb40 183 - 190° C	0,50 mm Ø 0,100 kg spool 10,0 kg
18600520		0,50 mm Ø 0,250 kg spool 12,5 kg
18600710	S-Sn60Pb40 183 - 190° C	0,75 mm Ø 0,100 kg spool 10,0 kg
18600720		0,75 mm Ø 0,250 kg spool 12,5 kg
18641070	S-Sn60Pb40 183 - 190° C	1,00 mm Ø 1 m cardette 50 pc
18601010		1,00 mm Ø 0,100 kg spool 10,0 kg
18601020		1,00 mm Ø 0,250 kg spool 12,5 kg
18601030		1,00 mm Ø 0,500 kg spool 15,0 kg
18601040		1,00 mm Ø 1,000 kg spool 20,0 kg
18641570	S-Sn60Pb40 183 - 190° C	1,50 mm Ø 1 m cardette 50 pc
18601510		1,50 mm Ø 0,100 kg spool 10,0 kg
18601520		1,50 mm Ø 0,250 kg spool 12,5 kg
18601530		1,50 mm Ø 0,500 kg spool 15,0 kg
18601540		1,50 mm Ø 1,000 kg spool 20,0 kg
18642072	S-Sn60Pb40 183 - 190° C	2,00 mm Ø 20 g cardette 50 pc
18602010		2,00 mm Ø 0,100 kg spool 10,0 kg
18602020		2,00 mm Ø 0,250 kg spool 12,5 kg
18602030		2,00 mm Ø 0,500 kg spool 15,0 kg
18602040		2,00 mm Ø 1,000 kg spool 20,0 kg
18641040	S-Sn60Pb38Cu2 183 - 190° C	1,00 mm Ø 1,000 kg spool 20,0 kg
18641540		1,50 mm Ø 1,000 kg spool 20,0 kg
18642040		2,00 mm Ø 1,000 kg spool 20,0 kg
18751040	S-Sn63Pb37 183° C eutectic	1,00 mm Ø 1,000 kg spool 20,0 kg
18751540		1,50 mm Ø 1,000 kg spool 20,0 kg
18752040		2,00 mm Ø 1,000 kg spool 20,0 kg

Solder wire ISO-Core® „RA 05“ (slightly halide activated) is also deliverable in special versions in the alloys shown above.

All solder wires can be produced in following diameters and packages:

Flux contents: from 0,5 % to 5,0 %
Wire diameter: 0,25 to 8,0 mm (partially bigger)
Solder wire on spools: per 50 g, 100 g, 250 g, 500 g, 1,00 kg, 5,00 kg, 10,00 kg, 15,00 kg, 20,00 kg
cardette per 1 m, 10 g, 20 g, dispenser per 15 g, 20 g, 25 g, 40 g



Art.-No.	Description	Unit
Solder wire „Massiv“, DIN EN 29453, without flux		
	<u>Melting Range</u>	
14412010	S-Pb60Sn40 183 - 235° C 2,00 mm Ø 0,100 kg spool	10,0 kg
14412020	2,00 mm Ø 0,250 kg spool	12,5 kg
14412030	2,00 mm Ø 0,500 kg spool	15,0 kg
14412040	2,00 mm Ø 1,000 kg spool	20,0 kg
14413010	S-Pb60Sn40 183 - 235° C 3,00 mm Ø 0,100 kg spool	10,0 kg
14413020	3,00 mm Ø 0,250 kg spool	12,5 kg
14413030	3,00 mm Ø 0,500 kg spool	15,0 kg
14413040	3,00 mm Ø 1,000 kg spool	20,0 kg
14503010	S-Pb50Sn50 183 - 215° C 3,00 mm Ø 0,100 kg spool	10,0 kg
14503020	3,00 mm Ø 0,250 kg spool	12,5 kg
14503030	3,00 mm Ø 0,500 kg spool	15,0 kg
14503040	3,00 mm Ø 1,000 kg spool	20,0 kg
14612010	S-Sn60Pb40 183 - 190° C 2,00 mm Ø 0,100 kg spool	10,0 kg
14612020	2,00 mm Ø 0,250 kg spool	12,5 kg
14612030	2,00 mm Ø 0,500 kg spool	15,0 kg
14612040	2,00 mm Ø 1,000 kg spool	20,0 kg
14613010	S-Sn60Pb40 183 - 190° C 3,00 mm Ø 0,100 kg spool	10,0 kg
14613020	3,00 mm Ø 0,250 kg spool	12,5 kg
14613030	3,00 mm Ø 0,500 kg spool	15,0 kg
14613040	3,00 mm Ø 1,000 kg spool	20,0 kg
Soft solder- and tinning paste, acc. DIN EN 29453, Flux acc. DIN EN 29454.1, 3.1.1.C (F-SW 21), specially for tinning in the field of coach working, metal content 60 - 70 %, complete metal paste - mixing is not necessary		
	<u>Melting Range</u>	
21256070	S-Pb74Sn25Sb1 186 - 260° C 1,000 kg bottle	15 pc
21416050	S-Pb60Sn40 183 - 235° C 0,100 kg bottle	50 pc
21416055	0,250 kg bottle	45 pc
21416060	0,500 kg bottle	30 pc
21416070	1,000 kg bottle	15 pc
21416080	10,00 kg bucket	1 pc
21616055	S-Sn60Pb40 183 - 190° C 0,250 kg bottle	45 pc
21616060	0,500 kg bottle	30 pc
21616070	1,000 kg bottle	15 pc
21616080	10,00 kg bucket	1 pc
21996070	S-Sn99,9 % 232° C 1,000 kg bottle	15 pc
Solder grease, acc. DIN EN 29454.1, 3.1.1.C (F-SW 21), flux for soft soldering of copper and copper alloys for general soldering works		
24310010	20 g bottle	200 pc
24310035	50 g bottle	200 pc
24310050	100 g bottle	150 pc
24310055	250 g bottle	50 pc
24310060	500 g bottle	25 pc
24310070	1.000 g bottle	16 pc
24310075	5.000 g bucket	1 pc
24310099	70 g tube	100 pc



Art.-No.	Description	Unit
	Flux for silver solders „CuFe Nr. 1“, Paste, acc. DIN EN 1045 - FH 10, hard solder flux for hard soldering of copper, copper alloys, steel and stainless steel	
261000501	0,100 kg bottle	500 - 800 °C 50 pc
261000551	0,250 kg bottle	50 pc
261000601	0,500 kg bottle	25 pc
261000701	1,000 kg bottle	16 pc
	Hard solder powder „UNIVERSAL“, acc. DIN EN 1045 - FH 21, for hard soldering of copper, brass, red brass and other alloys, for use of solders, which have a working temperature over 800 ° C	
26200050	0,100 kg bottle	800 - 1100° C 50 pc
26200055	0,250 kg bottle	50 pc
26200060	0,500 kg bottle	25 pc
26200070	1,000 kg bottle	16 pc
	Hard solder paste „UNIVERSAL“, acc. DIN EN 1045 - FH 21, for hard soldering of copper, brass, red brass and other alloys, for use of solders, which have a working temperature over 800 ° C	
26250050	0,100 kg bottle	800 - 1100° C 50 pc
26250055	0,250 kg bottle	50 pc
26250060	0,500 kg bottle	25 pc
26250070	1,000 kg bottle	16 pc
	Aluminium hard solder powder „No. 1“, acc. DIN EN 1045 FL 10 flux for hard soldering and welding of aluminium and aluminium alloys, based on hygroscopical fluorides	
	<u>working temperature</u> from app. 480° C	
26400050	0,100 kg bottle	150 pc
26400055	0,250 kg bottle	50 pc
26400060	0,500 kg bottle	25 pc
26400070	1,000 kg bottle	16 pc
	Aluminium welding powder, flux for autogenous welding of pure aluminium	
26420050	0,100 kg bottle	from app. 500° C 150 pc
26420055	0,250 kg bottle	50 pc
26420060	0,500 kg bottle	25 pc
26420070	1,000 kg bottle	16 pc
	Cast iron welding powder, flux for autogenous welding of cast iron	
26500060	0,500 kg bottle	from app. 800° C 25 pc
26500070	1,000 kg bottle	16 pc
	Strewing powder for hardening of steel, nitrogen hardening powder for hardening of iron and unalloyed steel	
26510060	0,500 kg bottle	25 pc
26510070	1,000 kg bottle	16 pc



soft solders

<u>DIN 1707</u>	<u>DIN EN 29453</u>
L-PbSn25(Sb)	S-Pb74Sn25Sb1
L-PbSn30(Sb)	S-Pb70Sn30
L-PbSn35(Sb)	S-Pb65Sn35
L-PbSn40(Sb)	S-Pb60Sn40
L-Sn50Pb	S-Pb50Sn50
L-Sn60Pb(sb)	S-Sn60Pb40
L-Sn60Pb	S-Sn60Pb40E
L-Sn63Pb	S-Sn63Pb37E
L-SnCu3	S-Sn97Cu3
L-SnAg5	S-Sn97Ag3

soft solder fluxes

<u>DIN 8511</u>	<u>DIN EN 29454.1</u>
F-SW 11	3.2.2.
F-SW 12	3.1.1.
F-SW 21	3.1.1.
F-SW 23	2.2.3.
F-SW 24	2.1.1. 2.1.3. 2.2.3.
F-SW 25	2.1.2. 2.2.2.
F-SW 26	1.1.2.
F-SW 31	1.1.1.
F-SW 32	1.1.3.
F-SW 33	1.2.3.
F-SW 34	2.2.3.
F-LW 1	3.1.1.
F-LW 2	2.1.3.

hard solder fluxes

<u>DIN 8511</u>	<u>DIN EN 1045</u>
F-SH 1	FH 10
F-SH 2	FH 21
F-SH 3	FH 30
F-LH 1	FL 10
F-LH 2	FL 20

hard solders

<u>DIN 8513</u>	<u>DIN EN 1044</u>	<u>ISO 3677</u>
L-CuZn40	CU 303	B-Cu60Zn(Sn)(Si)(Mn)-870/900
L-CuZn39Sn	CU 304	B-Cu48ZnNi(Si)-890/920
L-CuNi10Zn42	CU 305	B-Cu89PAg-645/815
S-Cu99,9 (DIN 1733)/ L-SFCu	CU 104	B-Cu100(P)-1085
S-CuAg (DIN 1733)	CU 106	B-Cu99(Ag)-1070/1080
L-CuP6	CP 203	B-Cu94P-710/890
L-CuP7	CP 202	B-Cu93P-710/820
L-CuP8	CP 201	B-Cu92P-710/770
L-Ag2P	CP 105	B-Cu92PAg-645/825
L-Ag5P	CP 104	B-Cu89PAg-645/815
L-Ag15P	CP 102	B-Cu80AgP-645/800

silver hard solder alloys

<u>DIN 8513</u>	<u>DIN EN 1044</u>	<u>ISO 3677</u>
L-Ag20	AG 206	B-Cu44ZnAg(Si)-690/810
L-Ag25	AG 205	B-Cu40ZnAg-700/790
L-Ag30	AG 204	B-Cu38ZnAg-680/765
L-Ag44	AG 203	B-Ag44CuZn-675/735
L-Ag60	AG 202	B-Ag60CuZn-695/730
L-Ag25Sn	AG 108	B-Cu40ZnAgSn-680/760
L-Ag30Sn	AG 107	B-Cu36ZnAgSn-665/755
L-Ag34Sn	AG 106	B-Cu36AgZnSn-630/730
L-Ag40Sn	AG 105	B-Ag40CuZnSn-650/710
L-Ag45Sn	AG 104	B-Ag45CuZnSn-640/680
L-Ag55Sn	AG 102	B-Ag56CuZnSn-620/655
L-Ag60Sn	AG 101	B-Ag60CuZnSn-620/685
L-Ag20Cd	AG 309	B-Cu40ZnAgCd-605/765
L-Ag25Cd	AG 307	B-Cu30ZnAgCd-605/720
L-Ag30 Cd	AG 306	B-Ag30CuCdZn-600/690
L-Ag 34Cd	AG 305	B-Ag35CuZnCd-610/700
L-Ag40Cd	AG 304	B-Ag40ZnCdCu-595/630
L-Ag45Cd	AG 302	B-Ag45CdZnCu-605/620
L-Ag56InNi	AG 403	B-Ag56CuInNi-600/710
L-Ag72	AG 401	B-Ag72Cu-780
L-Ag27	AG 503	B-Cu38AgZnMnNi-680/830
L-Ag49	AG 502	B-Ag49ZnCuMnNi-680/705

K U R T H A U F E

■ made
■ in
■ Germany

Electrode holder with pressure spring

DE 3200 / 3300 / 3400 / 3500 / 3600 Brass version



Type	Rating 60% duty cycle	Electrode Ø	Welding cable 1	Weight	Part No.	Order No.
DE 3200	200 A	2 - 4 mm	25 / 35 mm ²	240 g	3200	512.D255
DE 3300	300 A	2 - 5 mm	35 / 50 mm ²	450 g	3300	512.D256
DE 3400	400 A	4 - 6 mm	50 / 70 mm ²	510 g	3400	512.D257
DE 3500	500 A	4 - 8 mm	70 / 95 mm ²	540 g	3500	512.D258
DE 3600	600 A	4 - 10 mm	70 / 95 mm ²	580 g	3600	512.D259

¹ Welding cable is fastened by a cable socket.

The most important components of the Original Electrode Holder are identified and marked "Made in Germany".

All details and data are subject to final confirmation.

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ELECTRIC SOLDERING IRONS

- ceramic heater
- 120 and 230 V available
- electrolytic copper bit (bent)
- 2-core lead or 3-core rubber lead
- wooden grip
- in a cardboard box

lightweight types

for wiring work and spot soldering.
Especially suitable for hobbyists and handyman



40W	60W
technical specification	technical specification
power: 40W	power: 60W
max. temp. of bit 370 °C	max. temp. of bit 370 °C
warm up time: approx 8 min.	warm up time: approx 8 min.
weight: 130g (without lead)	weight: 130g (without lead)
lead: approx. 1,5 m long	lead: approx. 1,5 m long
copper bit dia. 5mm	copper bit dia. 5mm

medium types

for thicker wiring and sheet-metal soldering. The ideal workshop tools



75W	100W
technical specification	technical specification
power: 75W	power: 100W
max. temp. of bit 340 °C	max. temp. of bit 400 °C
warm up time: approx 10 min.	warm up time: approx 10 min.
weight: 220g (without lead)	weight: 220g (without lead)
lead: approx. 1,5 m long	lead: approx. 1,5 m long
copper bit dia. 7mm	copper bit dia. 7mm

150W	200W
technical specification	technical specification
power: 150W	power: 200W
max. temp. of bit 430 °C	max. temp. of bit 490 °C
warm up time: approx 10 min.	warm up time: approx 10 min.
weight: 220g (without lead)	weight: 220g (without lead)
lead: approx. 1,5 m long	lead: approx. 1,5 m long
copper bit dia. 9mm	copper bit dia. 9mm

heavy-duty types

for heavy soldering work such as radiators, gutters, etc. cable and commutator



250W	300W
technical specification	technical specification
power: 250W	power: 300W
max. temp. of bit 470 °C	max. temp. of bit 450 °C
warm up time: approx 10 min.	warm up time: approx 10 min.
weight: 640g (without lead)	weight: 710g (without lead)
lead: approx. 1,5 m long	lead: approx. 1,5 m long
copper bit dia. 15mm	copper bit dia. 24mm

400W	500W
technical specification	technical specification
power: 400W	power: 500W
max. temp. of bit 550 °C	max. temp. of bit 600 °C
warm up time: approx 10 min.	warm up time: approx 10 min.
weight: 790g (without lead)	weight: 790g (without lead)
lead: approx. 1,5 m long	lead: approx. 1,5 m long
copper bit dia. 24mm	copper bit dia. 24mm

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AULEKTRO Welding Glasses DIN

■ made
■ in
■ Germany

Made in Germany
printed with :

AULEKTRO MADE IN GERMANY XX FW 2 DIN

Protection / shades	DIN 8 - 9 - 10 - 11 - 12 - 13 - 14 other DIN values on request
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Sizes	49 x 101 mm 50,8 x 101 mm 50 x 105 mm 51 x 108 mm 83 x 108 mm round 50 mm other sizes on request
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Packing	individually shrinked under clear PVC in tear-off strips of 10 pcs. 100 pcs. per carton
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All details and data are subject to final confirmation.

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