



# TOOLS CATALOGUE

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

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

No. 012



EYELET PUNCHES FOR H+B EYELETS



Order No.	mm	weight/kg
1550000	00	0,575
1550001	0	0,580
1550010	1	0,600
1550020	2	0,650
1550030	3	0,625
1550040	4	0,625
1550050	5	0,625
1550060	6	0,625
1550070	7	0,625
1550080	8	0,625
1550090	9	0,850
1550100	10	0,850
1550110	11	1,080
1550120	12	1,080
1550130	13	1,300
1550140	14	1,300

REVOLVING PUNCH AND EYELET PLIER

Order No.	Length	Weight	Handles
0920-3601	225 mm 9"	324 g	plastic-coated / red
	Eyelets		
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.



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
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





NUMBER & LETTER PUNCHES

S- Quality, pointed  
for marking workpieces  
with a strength of 600-800 N/mm<sup>2</sup>  
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
16	16 x 85	1500 g	4300 g
20	15 x 25 x 95	2500 g	7400 g



RP- Quality, with round-face-dot-style character  
for marking workpieces  
with a strength of up to 1600 N/mm<sup>2</sup>  
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  
No. 144

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



NUMBER & LETTER PUNCHES

R- Quality, pointed  
with low-stress engraving and hardened and  
tempered stamping heads, silky-dulled design  
Hardness at the engraving 58-60 HRC  
Hardness at the stamping head 38-46 HRC

No. 140  
No. 141

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
2	7 x 65	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



EUROTYPE Fount Set

Assortment of type stamps with a size of character  
from 1 up to 5 mm, including a type holder for  
manual use (tempered stamping head) or  
mechanical use (shank for installation in a press),  
in an unbreakable plastic box.

No. 165

All pieces are nickel-plated (rustproof)

Contents: 100 pcs. Types  
A-Z and 0-9,  
/ slash,  
. full stop,  
, comma,  
- hyphen and blank spacers



European-Norm

Size of characters mm	content pcs.	measurements mm
1,0	19	1,5 x 4 x 19
1,5	19	1,5 x 4 x 19
2,0	14	2,0 x 4 x 19
2,5	15	2,5 x 6 x 19
3,0	13	3,0 x 6 x 19
4,0	10	4,0 x 8 x 19
5,0	8	5,0 x 8 x 19



LEAD SEALING PLIERS



- 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.



<b>GRIP WITH WIRE CUTER</b>					
Order No.	Length	Weight	Capacity		
0100-0104	110 mm 4.5/16"	110 g	22 mm 7/8"	<b>No. 10-110</b>	
0100-0105	140 mm 5.1/2"	170 g	30 mm 1.1/8"		<b>No. 10-140</b>
0100-0107	180 mm 7"	355 g	35 mm 1.3/8"		
0100-0110	250 mm 10"	545 g	50 mm 2"		<b>No. 10-250</b>
0100-0112	300 mm 12"	900 g	65 mm 2.1/2"		<b>No. 10-300</b>

Semi-circular gripping jaws.

Application field: round and flat materials



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

Longitudinal groove in the top jaw.

Application field: round and flat materials



<b>PARALLEL-PLUS-GRIP</b>				
Order No.	Length	Weight	Capacity	
0150-0150	250 mm 10"	580 g	45mm 1.3/4"	<b>No. 15-250</b>

Combined jaw shape with one pivoting jaw.

Application field: round and flat materials



<b>PARALLEL-GRIP</b>				
Order No.	Length	Weight	Capacity	
0160-0160	250 mm 10"	700 g	50 mm 2"	<b>No. 16-250</b>

For parallel clamping.

Application field: flat and shaped materials



<b>GRIP WITH STRAIGHT JAWS</b>				
Order No.	Length	Weight	Capacity	
0200-0207	180 mm 7"	355 g	35 mm 1.3/8"	<b>No. 20-180</b>
0200-0210	250 mm 10"	510g	40 mm 1.1/2"	

Application field: flat materials.

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

Combined jaw shape.

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





**CHAIN-GRIP-PLIER**

Order No.	Length	Weight	Capacity
0280-0280	250 mm 10"	930 g	150 mm 6"
Spare Chain 0280-1280		315 g	150 mm 6"

**No. 28-250**  
**No. 28-1280**



The spare and extension chain doubles the capacity to diam. 300 mm /12"

**WELDING-GRIP**

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

**with steel jaws**

**No. 30-280sj**



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

**with malleable cast iron jaws**

**No. 30-250cj**



**GRIP FOR TUBES**

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

**with steel jaws**

**No. 32-280sj**



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

**with malleable cast iron jaws**

**No. 32-280cj**



**C-CLAMP-GRIP**

Order No.	Length	Weight	Capacity
0340-0340	175 mm 7"	235 g	50 mm 2"

**No. 34-175**

Order No.	Length	Weight	Capacity
0340-0341	280 mm 11"	710 g	90 mm 3.1/2"

**No. 34-280**



Order No.	Length	Weight	Capacity
0340-0342	460 mm 18"	1090 g	220 mm 9.1/2"

**No. 34-460**

Order No.	Length	Weight	Capacity
0340-0343	600 mm 24"	1345 g	320 mm 12.1/2"

**No. 34-600**



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

**No. 34-500**



Application field: ideal for bulky workpieces

**PARALLEL-C-CLAMP-GRIP**

Order No.	Length	Weight	Capacity
0350-0350	175 mm	260 g	40 mm
	7"		1.1/2"
0350-0351	280 mm	780 g	90 mm
	11"		3.1/2"

**No. 35-175**

**No. 35-280**

**with moveable jaws**



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

**No. 35-460**

**No. 35-600**

**with moveable jaws**



Order No.	Protective caps, pair
0350-0355	

**No. 0350-0355**



**LONG-NOSE-GRIP**

Order No.	Length	Weight	Capacity
0360-0364	130 mm	115 g	30 mm
	5"		1.3/16"
0360-0360	165 mm	190 g	40 mm
	6.1/2"		1.1/2"
0360-0361	240 mm	380 g	55 mm
	9.1/2"		2.11/64"

**No. 36-130**

**No. 36-165**

**No. 36-240**



Application field: ideal for gripping in tapering spaces.

**GRIP FOR SHEET-METAL**

Order No.	Length	Weight	Capacity
0370-0370	180 mm	470 g	45 mm
	7"		1.3/4"

Width of jaws 80 mm  
3.1/8"

Application field: ideal for bending sheet metal

**No. 37-180**



**PINCH-OFF-GRIP**

Order No.	Length	Weight	Capacity
0380-0380	250 mm	500 g	25mm
	10"		1"

Forged jaws

**No. 38-250**



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

**TUCAN - GRIP**

Order No.	Length	Weight	Capacity
Tucan	210 mm	400 g	45 mm

**TUCAN**



FITTINGS WRENCH			
Order No.	Length	Weight	Capacity
0450-0800	275 mm	700 g	60mm
	11"		2.3/8"
	<b>burnished</b>		
	<b>No. 80-275bu</b>		
0450-0802	275 mm	700 g	60mm
	11"		2.3/8"
	<b>chromium-plated</b>		
	<b>No. 80-275cp</b>		
0450-0820	Protective jaw set		
	<b>No. 82</b>		



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

VALVE-SPRING-COMPRESSOR			
Order No.	Length	Weight	Capacity
0500-0500	290 mm	1175 g	70 - 225 mm
	11.1/2"		3 - 9"
	with straight jaws		
	<b>No. 50</b>		
0500-0510	290 mm	1290 g	40 - 225 mm
	11.1/2"		1.3/4 - 9"
	with straight and curved jaws		
	<b>No. 51</b>		



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	3210 g	85 - 280 mm
	15"		3.3/8 - 11"
	<b>No. 52</b>		



With straight and curved jaws.  
 Changeable jaws, bright nickel plated,  
 application field: heavy engines  
 (e. g. bus, tractor, truck etc.)



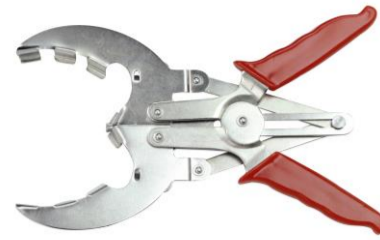


**PISTON-RING-PLIER**

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.

**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"
0700-0711	100 mm 4"	265 g	57 - 125 mm 2.1/4 - 5"
0700-0702	80 mm 3"	285 g	90 - 175 mm 3.1/2 - 7"
0700-0721	100 mm 4"	310 g	90 - 175 mm 3.1/2 - 7"

**No. 70/1**

**No. 70/1a**

**No. 70/2**

**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.

**STRAP-WRENCH**

Order No.	Length	Weight	Capacity
0740-0741	230 mm 9"	285 g	160 mm 6.1/2"
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		
0740-0744	Nr. 0749-0742 920 mm (36.1/4") / 90 g		

**No. 74/1**

**No. 74/2**

**No. 74/1E**

**No. 74/2E**



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

Application field: motor vehicle, bathroom area

**STRAP-WRENCH**

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



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	
	230 mm		70 - 75 mm	
0760-0765	9"	465 g	2.3/4 - 3"	<b>No. 76/5</b>
	240mm		85 - 95 mm	
0760-0766	9.1/2"	475 g	3.1/3-3.3/4"	<b>No. 76/6</b>



Hinged handle black

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



Hinged handle black

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



Hinged handle black.

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



With 1/2"-square drive

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



Standard handle red.

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



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

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



Bright nickel plated, with plastic-coated handle

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

No. 350



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	
0910-3509	225mm 9"	325 g	Handles plastic-coated / red

No. 350



Bright nickel-plated

REVOLVING PUNCH AND EYELET PLIER			
Order No.	Length	Weight	
0920-3601	225 mm 9"	324 g	Handles plastic-coated / red
	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	

No. 360



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

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
0950-3761	Tube-exchangement-set 2,0/2,5/3,0/3,5/4,0/4,5 mm
0950-3762	Tube-enlargement-set 1,0/1,5/5,0/5,5/6,0 mm

No. 375



exchanger, extended application range (patend).





**128/1= cross ref. 187-180**

**Catapilar type Strap Wrench 690 mm, green belt, in polybag**

**E128/1= cross ref. 187E-180**

**Spare Belt for Art. No. 128/1=ELORA187-180**

**128/1= cross ref. 187-180BOX**

**Catapilar type Strap Wrench 690 mm, green belt, in polybag + blue box**

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 hdls.



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 hdls. 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

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"



MADE IN AUSTRIA





PLIERS

Please see WILL main catalogue




















**Oberflächenfinish und Griffgestaltung**  
**Finish and handle design**

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

PLIERS



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



# Original **ODUR-*Fit***







Art. 139 Saw Set Plier 190 mm hammer lacquer indiv. in polybag/12pcs. carton





No. 1100 - BERGER Gardening Shear, straight, aluminium handles, replaceable blade + hook, length 215 mm



No. 1104 - BERGER Gardening Shear, angle cutting head, aluminium handles, replaceable blade + hook, length 185 mm



No. 1200 - BERGER Gardening Shear, drop forged, repl. blade, length 215 mm



No. 1746 - BERGER Gardening Shear, 30° angled cutting head, drop forged, multicomp.hdl.,length 195 mm



No. 1760 - BERGER Gardening Shear, drop forged, length 215 mm



No. 2100 - BERGER Grass Shear,  
chromed blade 120 mm, ring lock, length  
310 mm



No. 4280 - BERGER Lopping Shear,  
forged, hook and blade replaceable,  
length 830 mm



No. 4590 - BERGER Hedge Shear  
comfort, chromed, waved edges 250mm,  
buffer, length 540 mm



No. 5600 - BERGER Transplanter, red,  
size 85 x 305 mm



No. 5610 - BERGER Transplanter, red,  
size 35 x 285 mm

BERGER Hoe and Fork, heart shaped,  
red metal, size 65 x 296 mm



61510



61511

No. 61511 - BERGER Pruning Saw no. 61510 with safety cover no. 5115, wooden handle



61952



61953

No. 61953 - BERGER Pole Saw no. 61952 with safety cover no. 5119

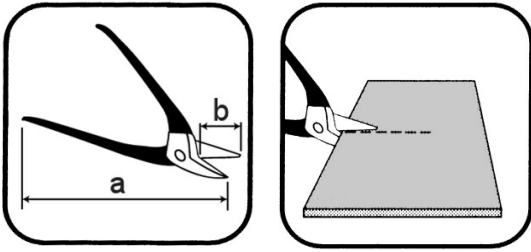


No. 74800 - BERGER Telescopic handle, alu., 3-parts, 1.75 - 4.65 m adjustable, min. 1.75 m

# BERGER

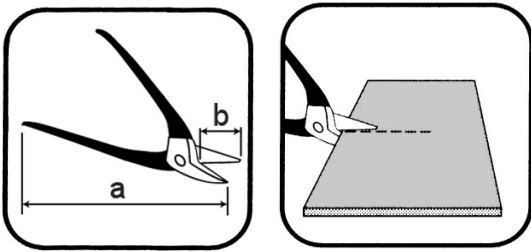
Gardening Tools - Made in Germany

**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
D159/250-F	English pattern Tin Snip 250 mm - 10" w. normal spring
D159/300-F	English pattern Tin Snip 300 mm - 12" w. normal spring
D159/350-F	English pattern Tin Snip 350 mm - 14" w. normal 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

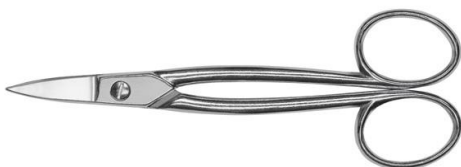
**JEWELLERS' SNIPS**



**D-70-1**



**D-72-1**



**D-74-1**



**D-76-1**

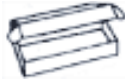


CIRCULAR CUTTERS



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

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

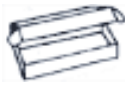
6 pcs.	8 pcs.	12 pcs.
6 x 7	6 x 7	6 x 7
8 x 9	8 x 9	8 x 9
10 x 11	10 x 11	10 x 11
12 x 13	12 x 13	12 x 13
14 x 15	14 x 15	14 x 15
16 x 17	16 x 17	16 x 17
	18 x 19	18 x 19
	20 x 22	20 x 22
		21 x 23
		24 x 26
		25 x 28
		27 x 32

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



**DOUBLE OPEN-ENDED SPANNERS, CV-STEEL, DIN 3110**



**WIESEMANN**

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

MADE IN GERMANY

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



**DOUBLE-OFFSET RINGSPANNERS, CV-STEEL, DIN 838**



**WIESEMANN**

**MADE IN GERMANY**

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**





**DOUBLE-OFFSET RINGSPANNERS, CV-STEEL, DIN 838**



**WIESEMANN**

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

MADE IN GERMANY



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.

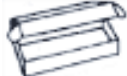
8 pcs.

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	



COMBINATION SPANNERS, CV-STEEL, DIN 3113-B



WIESEMANN

MADE IN GERMANY

No. 300

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



INCH s



Sets in carton

06-22 mm	<b>12 pcs.</b>	6 -14, 17, 19, 22
06-22 mm	<b>17 pcs.</b>	6 - 22
06-32 mm	<b>25 pcs.</b>	6 - 28, 30, 32

Sets in plastic wallet

08-17 mm	<b>6 pcs.</b>	8, 10, 11, 13, 15, 17
08-19 mm	<b>8 pcs.</b>	8, 9, 10, 11, 13, 15, 17, 19
06-22 mm	<b>12 pcs.</b>	6, 8 - 15, 17, 19, 22
06-22 mm	<b>12 pcs.</b>	6 - 11, 13, 14, 15, 17, 19, 22

Sets in carton

3/8 - 7/8	<b>8 pcs.</b>	3/8, 7/16, 1/2, 9/16 5/8, 11/16, 3/4, 7/8
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1/4 - 1/2

<b>12 pcs.</b>	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 15/16, 1
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COMBINATION SPANNERS, CV-STEEL, DIN 3113-A, RING SIDE 15° OFFSET

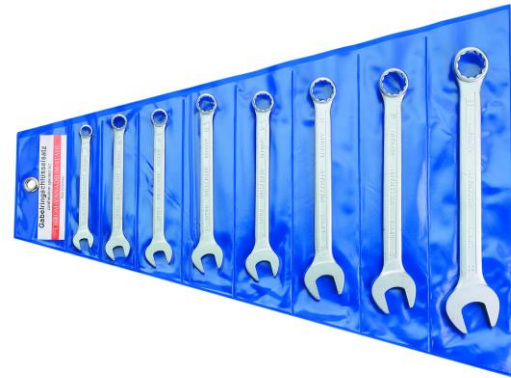


WIESEMANN

MADE IN GERMANY

No. 350

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



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

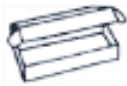
08-19 mm 6 pcs. 8, 10, 11, 13, 17, 19  
08-22 mm 8 pcs. 8, 10, 11, 13, 14, 17, 19, 22  
06-22 mm 12 pcs. 6 - 14, 17, 19, 22

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

**SLOGGING RING WRENCH, DIN 7444, DROP FORGED STEEL, GREY**



**WIESEMANN**

MADE IN GERMANY

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



OPEN JAW SLOGGING WRENCH, DIN 133, DROP FORGED STEEL, GREY



WIESEMANN

MADE IN GERMANY

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

HOOK WRENCHES

- 54585 Hook Wrench DIN 1819A with nose, 12-14
- 54593 Hook Wrench DIN 1819A with nose, 16- 20
- 54601 Hook Wrench DIN 1819A with nose, 25- 28
- 54619 Hook Wrench DIN 1819A with nose, 30- 32
- 54627 Hook Wrench DIN 1819A with nose, 34- 36
- 54387 Hook Wrench DIN 1819A with nose, 38- 45
- 54635 Hook Wrench DIN 1819A with nose, 40- 42
- 54643 Hook Wrench DIN 1819A with nose, 45- 50
- 54650 Hook Wrench DIN 1819A with nose, 52- 55
- 54668 Hook Wrench DIN 1819A with nose, 58- 62
- 54403 Hook Wrench DIN 1819A with nose, 65- 70
- 54676 Hook Wrench DIN 1819A with nose, 68- 75
- 54684 Hook Wrench DIN 1819A with nose, 80- 90
- 54429 Hook Wrench DIN 1819A with nose, 85- 92
- 54692 Hook Wrench DIN 1819A with nose, 95-100
- 54445 Hook Wrench DIN 1819A with nose, 98-105
- 54700 Hook Wrench DIN 1819A with nose, 110-115
- 54718 Hook Wrench DIN 1819A with nose, 120-130
- 54726 Hook Wrench DIN 1819A with nose, 135-145
- 54734 Hook Wrench DIN 1819A with nose, 155-165
- 54742 Hook Wrench DIN 1819A with nose, 180-195
- 54767 Hook Wrench DIN 1819A with nose, 230-245
- 54783 Hook Wrench DIN 1819A with nose, 280-300
- 54791 Hook Wrench DIN 1819A with nose, 320-345
- 54817 Hook Wrench DIN 1819A with nose, 380-400

- 54874 Hook Wrench DIN 1810B with pin, 12 - 14
- 54882 Hook Wrench DIN 1810B with pin, 16 - 18
- 54890 Hook Wrench DIN 1810B with pin, 20 - 22
- 54908 Hook Wrench DIN 1810B with pin, 25 - 28
- 54916 Hook Wrench DIN 1810B with pin, 30 - 32
- 54924 Hook Wrench DIN 1810B with pin, 34 - 36
- 54932 Hook Wrench DIN 1810B with pin, 40 - 42
- 54940 Hook Wrench DIN 1810B with pin, 45 - 50
- 54957 Hook Wrench DIN 1810B with pin, 52 - 55
- 54965 Hook Wrench DIN 1810B with pin, 58 - 62
- 54973 Hook Wrench DIN 1810B with pin, 68 - 75
- 54981 Hook Wrench DIN 1810B with pin, 80 - 90
- 54999 Hook Wrench DIN 1810B with pin, 95 -100
- 55004 Hook Wrench DIN 1810B with pin, 110 -115
- 55012 Hook Wrench DIN 1810B with pin, 120 -130
- 55020 Hook Wrench DIN 1810B with pin, 135 -145
- 55038 Hook Wrench DIN 1810B with pin, 155 -165
- 55046 Hook Wrench DIN 1810B with pin, 180 -195
- 55061 Hook Wrench DIN 1810B with pin, 230 -245

- 51201 Adj. Hook Wrench with nose, 20-42 mm dia.
- 51219 Adj. Hook Wrench with nose, 40-90 mm dia.
- 51227 Adj. Hook Wrench with nose, 95-165 mm dia.



DIN 1819 A



DIN 1810 B



51201

REVERSABLE NUT ROTATOR

	range	pin size	
40477	7 - 40	1,5 x 2	Reversable Nut Rotator
40485	7 - 40	2,0 x 2,5	Reversable Nut Rotator
40493	7 - 40	2,5 x 3,0	Reversable Nut Rotator
40618	11 - 60	3 x 4	Reversable Nut Rotator
40626	11 - 60	4 x 5	Reversable Nut Rotator
40634	11 - 60	5 x 6	Reversable Nut Rotator
40758	14 - 100	5 x 6	Reversable Nut Rotator
40766	14 - 100	6 x 7	Reversable Nut Rotator
40774	14 - 100	8 x 8	Reversable Nut Rotator
40899	22 - 125	8 x 8	Reversable Nut Rotator
40907	22 - 125	10 x 10	Reversable Nut Rotator
40915	22 - 125	12 x 12	Reversable Nut Rotator
50914	11 - 60	3	Reversable Nut Rotator, cranked
50922	11 - 60	4	Reversable Nut Rotator, cranked
50930	14 - 90	5	Reversable Nut Rotator, cranked
50948	14 - 90	6	Reversable Nut Rotator, cranked



40618



50914



### 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 blueprint and references gauges of Camcar Textron USA. By adopting their most upto-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.



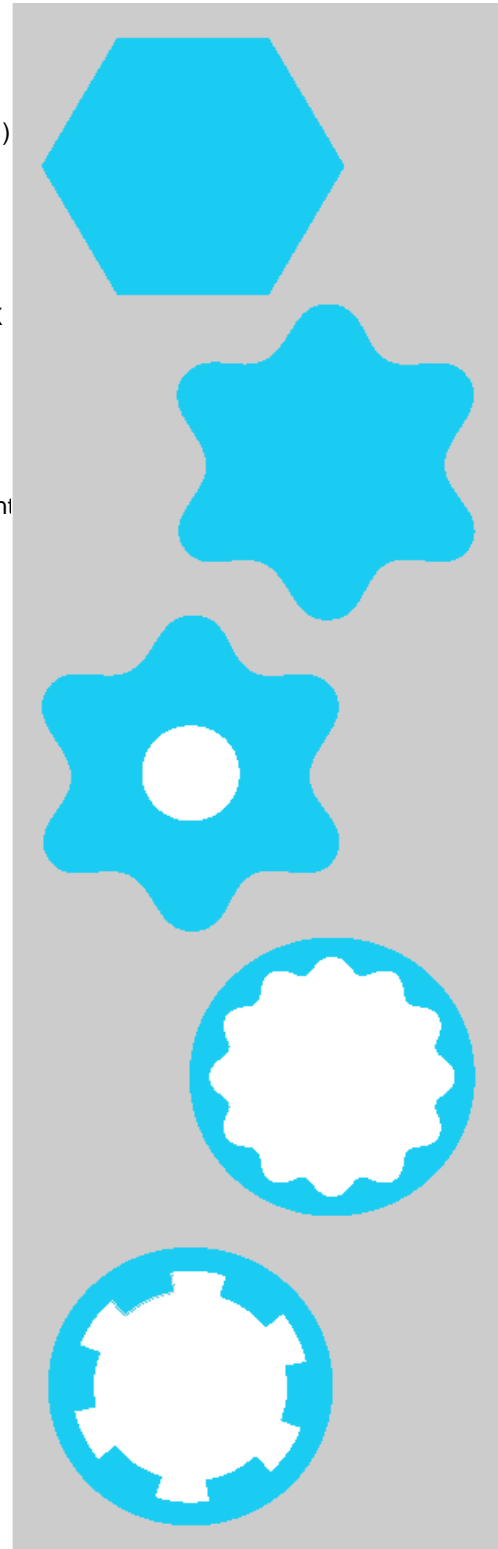
### Spline Key

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.

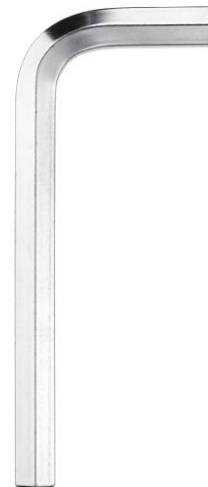
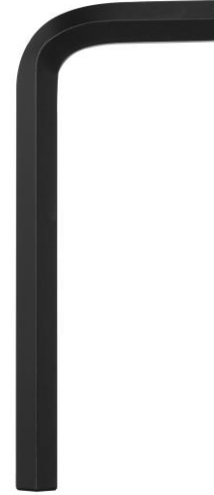




**200 Hexagon Key Wrenches ISO 2936**

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

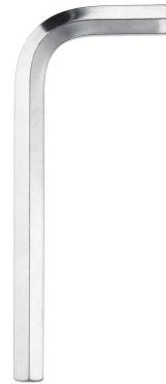
Order-No. black	Order-No. nickel pl.	mm	L1 L2	
200-007-01		0.7	33 x 7	100
200-009-01		0.9	33 x 11	100
200-015-01	200-015-02	1.5	46.5 x 15.5	100
200-020-01	200-020-02	2	52 x 18	100
200-025-01	200-025-02	2.5	58.5 x 20.5	100
200-030-01	200-030-02	3	66 x 23	100
200-035-01	200-035-02	3.5	69.5 x 25.5	100
200-040-01	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.	mm	L1 L2	
<b>SB-packed</b>				
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	
<b>SB-packed</b>					
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

Quality Tools



Made in Germany

Hexagon - metric

**200 Hexagon Key Wrenches ISO 2936**

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

**Order-No. black**    **Order-No. nickel pl.**

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.

**Series 225**



**Order-No. black**    **Order-No. nickel pl.**

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.

**Series 230**



**Order-No. black**    **Order-No. nickel pl.**

231-180-01    231-180-02    **2-10 mm**    2-2.5-3-4-5-6-8-10 = 8-pce.

**Series 231**



Hexagon - inch

**200 Hexagon Key Wrenches ISO 2936**

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

**Order-No. black**    **Order-No. nickel pl.**

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.

**Series 225**



**Order-No. black**    **Order-No. nickel pl.**

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.

**Series 230**



**Order-No. black**    **Order-No. nickel pl.**

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.

**Series 231**





Series 207 - red = metric / yellow = inch

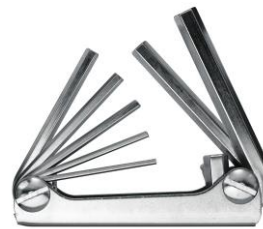
Series 235 - red = metric / yellow = inch



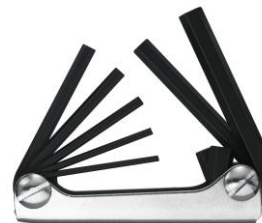
Series 238 - red = metric / yellow = inch



Series 208 - red = metric / yellow = inch



series 270



series 271 / 272 - red = metric / yellow = inch



Quality Tools


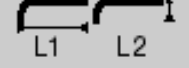



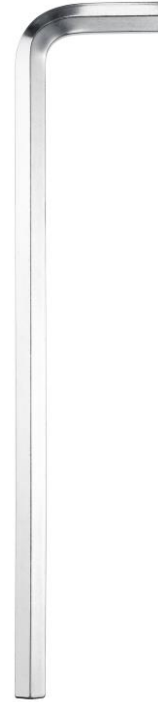
Made in Germany


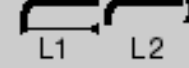

Hexagon – metric

### 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	
<b>SB-packed</b>				
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	<b>2–6 mm</b>	2–2.5–3–4–5–6 = 6-pce.
213-180-01	213-180-02	<b>2–10 mm</b>	2–2.5–3–4–5–6–8–10 = 8-pce.



Quality Tools



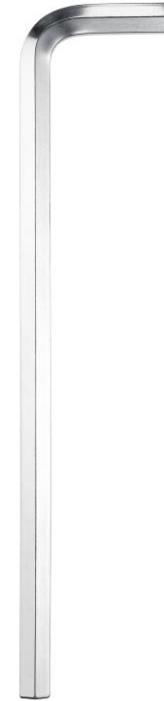
Made in Germany

Hexagon - inch

### 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	
<b>SB-packed</b>				
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.



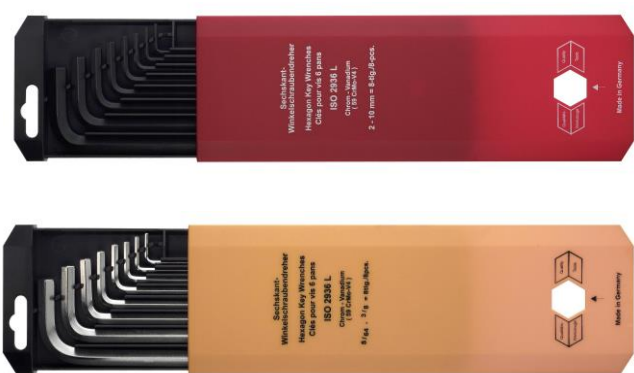
Quality Tools  Made in Germany



Series 211 - red = metric / yellow = inch



Series 224 / 214 - red = metric / yellow = inch



Series 217






Series 218

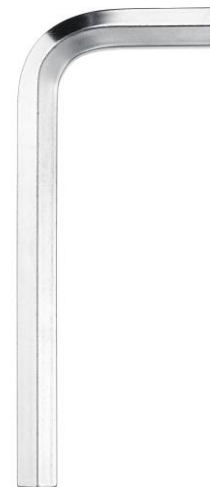
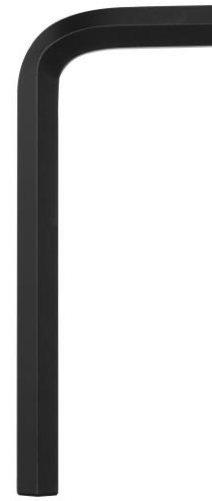


Hexagon - metric

**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.**

		<b>Series 255</b>	
255-186-01	255-186-02	<b>1.5-6 mm</b>	1.5-2-2.5-3-4-5-5.5-6 = 8-pce.
255-180-01	255-180-02	<b>2-10 mm</b>	2-2.5-3-4-5-6-8-10 = 8-pce.
255-192-01	255-192-02	<b>2-12 mm</b>	2-2.5-3-4-5-6-8-10-12 = 9-pce.

**Order-No. black**    **Order-No. nickel pl.**

		<b>Series 260</b>	
260-186-01	260-186-02	<b>1.5-6 mm</b>	1.5-2-2.5-3-4-5-5.5-6 = 8-pce.
260-190-01	260-190-02	<b>2-10 mm</b>	2-2.5-3-4-5-5.5-6-8-10 = 9-pce.
260-102-01	260-102-02	<b>2-12 mm</b>	2-2.5-3-4-5-5.5-6-8-10-12 = 10-pce.
260-114-01	260-114-02	<b>2-14 mm</b>	2-2.5-3-4-5-5.5-6-8-10-12-14 = 11-pce.



Quality Tools



Made in Germany

Hexagon - inch

## 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

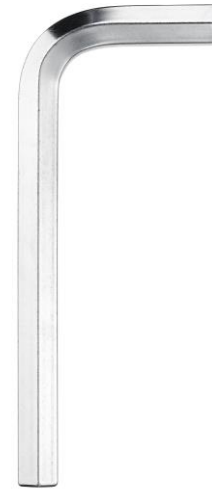
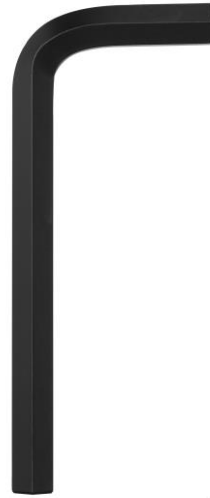
Order-No.  
nickel pl.

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.

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.





Series 266 / 270 red = metric / yellow = inch



Series 266 red = metric / yellow = inch


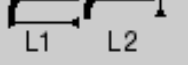



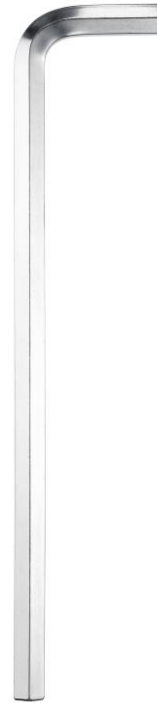
Series 281 red = metric / yellow = inch



**280 Hexagon Key Wrenches ISO 2936 L, extra long**


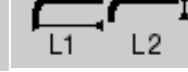

Special steel

Order-No. black	Order-No. nickel pl.	 mm	 L1 L2	
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.!	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



**280 Hexagon Key Wrenches ISO 2936 L, extra long**

Special steel

Order-No. black	Order-No. nickel pl.	 A.F. = mm	 L1 L2	
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
284-190-03	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.
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.

Packing / make-up of the set Series 284 similar to below pictures



Quality Tools  Made in Germany



Quality Tools  Made in Germany  
TORX®



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



**TORX® - Ballpoint**







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

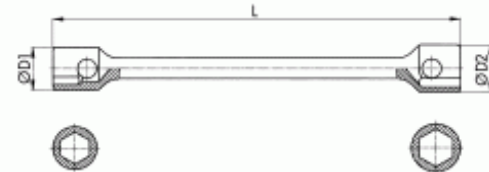
RIM WRENCHES - TOMMY BARS

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



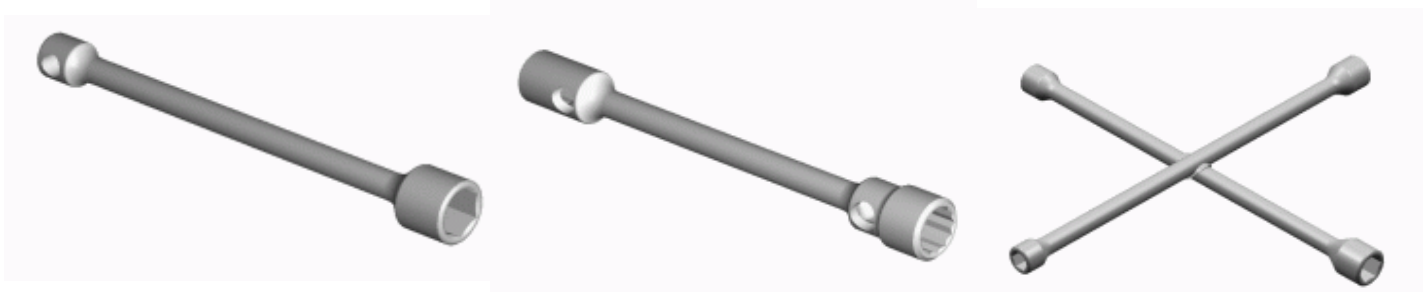
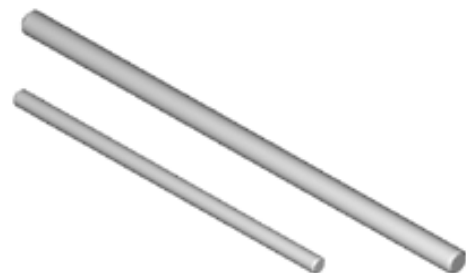
Size W				
70 3500 000	5/8 x 3/4	400	42/48	1450

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



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



TUBE EXPANDERS, DUGGEON 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





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



## 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

201-0



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

202-3



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

205-2



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

206-2



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

18-2



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

15-B

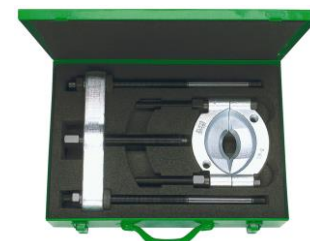
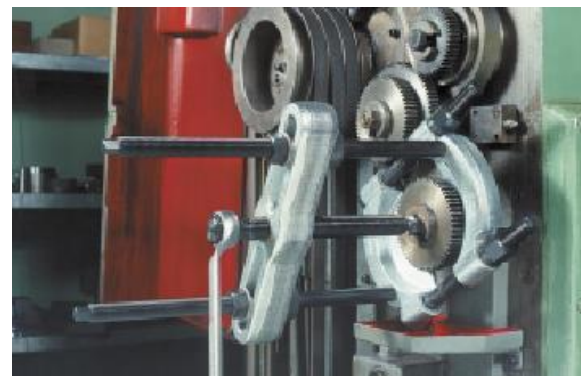


Figure 1



Figure 3



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



54-3

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



55-4

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



56-1





Art.No. open-end	Art.No. ring	Size
133-24	406-24	24 mm
133-27	406-27	27 mm
133-30	406-30	30 mm
133-32	406-32	32 mm
133-34	406-34	34 mm
133-36	406-36	36 mm
133-41	406-41	41 mm
133-46	406-46	46 mm
133-50	406-50	50 mm
133-55	406-55	55 mm
133-60	406-60	60 mm
133-65	406-65	65 mm
133-70	406-70	70 mm
133-75	406-75	75 mm
133-80	406-80	80 mm
133-85	406-85	85 mm
133-90	406-90	90 mm
133-95	406-95	95 mm
133-100	406-100	100 mm
133-105	406-105	105 mm
133-110	406-110	110 mm
133-115	406-115	115 mm
133-120	406-120	120 mm



133



406



408



402

Art.No. ring	Size
408-27	1.1/16"
408-30	1.3/16"
408-32	1.1/4"
408-35	1.3/8"
408-38	1.1/2"
408-41	1.5/8"
408-42	1.11/16"
408-46	1.13/16"
408-47	1.7/8"
408-50	2"
408-54	2.1/8"
408-55	2.3/16"
408-58	2.1/4"
408-65	2.9/16"
408-68	2.5/8"
408-70	2.3/4"
408-75	3"
408-80	3.1/8"



Spanner Extensions

- 402-460 mm for 402-27 to -30
- 402-610 mm for 402-32 to -41
- 402-760 mm for 402-46 to -55
- 402-860 mm for 402-60 to -80

Art.No. ring	Size
402-24	24 mm
402-27	27 mm
402-30	30 mm
402-32	32 mm
402-36	36 mm
402-41	41 mm
402-46	46 mm
402-50	50 mm
402-55	55 mm
402-60	60 mm
402-65	65 mm
402-70	70 mm
402-75	75 mm
402-80	80 mm



402-460

Quality made in Germany.



**Double ended ring spanners, deep offset DIN 838**  
Series 1002 metric 6 x 7 mm to 36 x 41 mm  
Series 1002-Z inches 1/4 x 5/16" to 1.1/16 x 1.1/4"



1002

**Double ended ring spanners, straight DIN 837B**  
Series 1004 metric 6 x 7 mm to 20 x 22 mm



1004

**Double ended open jaw spanners DIN 3110**  
Series 1006 metric 6 x 7 mm to 36 x 41 mm  
Series 1006-Z inches 3/8 x 7/16" to 15/16 x 1"



1006

**Combination spanners DIN 3113**  
Series 1007 metric 5,5 to 41 mm  
Series 1007-Z inches 1/4 to 1.1/4"



1007

A/m spanners are available in the usual set-combinations packed in printed cardboard boxes or in strong roll-wallets



Please refer to the KUKKO main catalogue



500-wooden handle



shape of OPTIMA hdl.



500+2K UNIVERSA hdl.

500-115	TURNUS F-Clamp UNIVERSA	150 x 50 mm / 15 x 5 mm, with red wooden handle
500-119	TURNUS F-Clamp UNIVERSA	200 x 50 mm / 15 x 5 mm, with red wooden handle
503-016	TURNUS F-Clamp UNIVERSA	160 x 80 mm / 22 x 6 mm, with red wooden handle
503-020	TURNUS F-Clamp UNIVERSA	200 x 80 mm / 22 x 6 mm, with red wooden handle
503-025	TURNUS F-Clamp UNIVERSA	250 x 80 mm / 22 x 6 mm, with red wooden handle
503-030	TURNUS F-Clamp UNIVERSA	300 x 80 mm / 22 x 6 mm, with red wooden handle
503-120	TURNUS F-Clamp UNIVERSA	200 x 100 mm / 30 x 8 mm, with red wooden handle
504-025	TURNUS F-Clamp UNIVERSA	250 x 120 mm / 30 x 8 mm, with red wooden handle
504-030	TURNUS F-Clamp UNIVERSA	300 x 120 mm / 30 x 8 mm, with red wooden handle
504-040	TURNUS F-Clamp UNIVERSA	400 x 120 mm / 30 x 8 mm, with red wooden handle
504-050	TURNUS F-Clamp UNIVERSA	500 x 120 mm / 30 x 8 mm, with red wooden handle
504-060	TURNUS F-Clamp UNIVERSA	600 x 120 mm / 30 x 8 mm, with red wooden handle
504-080	TURNUS F-Clamp UNIVERSA	800 x 120 mm / 30 x 8 mm, with red wooden handle
504-100	TURNUS F-Clamp UNIVERSA	1000 x 120 mm / 30 x 8 mm, with red wooden handle
504-303	TURNUS F-Clamp UNIVERSA	300 x 140 mm / 35 x 9 mm, with red wooden handle
504-404	TURNUS F-Clamp UNIVERSA	400 x 175 mm / 35 x 9 mm, with red wooden handle
503+016	TURNUS F-Clamp UNIVERSA	160 x 80 mm / 22 x 6 mm, with 2-compo handle (2K)
503+020	TURNUS F-Clamp UNIVERSA	200 x 80 mm / 22 x 6 mm, with 2-compo handle (2K)
503+025	TURNUS F-Clamp UNIVERSA	250 x 80 mm / 22 x 6 mm, with 2-compo handle (2K)
503+030	TURNUS F-Clamp UNIVERSA	300 x 80 mm / 22 x 6 mm, with 2-compo handle (2K)
503+120	TURNUS F-Clamp UNIVERSA	200 x 100 mm / 30 x 8 mm, with 2-compo handle (2K)
504+025	TURNUS F-Clamp UNIVERSA	250 x 120 mm / 30 x 8 mm, with 2-compo handle (2K)
504+030	TURNUS F-Clamp UNIVERSA	300 x 120 mm / 30 x 8 mm, with 2-compo handle (2K)
504+040	TURNUS F-Clamp UNIVERSA	400 x 120 mm / 30 x 8 mm, with 2-compo handle (2K)
504+050	TURNUS F-Clamp UNIVERSA	500 x 120 mm / 30 x 8 mm, with 2-compo handle (2K)
504+060	TURNUS F-Clamp UNIVERSA	600 x 120 mm / 30 x 8 mm, with 2-compo handle (2K)
504+080	TURNUS F-Clamp UNIVERSA	800 x 120 mm / 30 x 8 mm, with 2-compo handle (2K)
504+100	TURNUS F-Clamp UNIVERSA	1000 x 120 mm / 30 x 8 mm, with 2-compo handle (2K)
504+303	TURNUS F-Clamp UNIVERSA	300 x 140 mm / 35 x 9 mm, with 2-compo handle (2K)
504+404	TURNUS F-Clamp UNIVERSA	400 x 175 mm / 35 x 9 mm, with 2-compo handle (2K)





**SUPERCRAFT NON-REBOUND HAMMERS**



Series 3366, white nylon inserts, hard, hickory handle  
Available sizes : 20 - 25 - 30 - 35 - 40 - 45 - 50 - 60 - 70 - 80 mm



Series 3366-sledge hammer, white nylon inserts, hard, hickory handle  
Available sizes : 80 - 100 mm

3366-081



SUPERCRAFT white nylon inserts, hard, sizes 20 to 100 mm



SUPERCRAFT Spare handles



SIMPLEX NON-REBOUND HAMMERS



SIMPLEX 3008, cast iron housing, ashwood handle, white nylon inserts on both sides



SIMPLEX 3009, cast iron housing, ashwood handle, soft metal inserts on both sides



EH-3208 Nylon Spare head, hard



EH-3209 Soft metal spare head



EH-3011 Spare housing, cast iron, compl. with screw / nut / spring washer



BUMPING TOOLS



various set combinations are available

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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



BUMPING HAMMERS



Made in Germany



- 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





ENGINEER HAMMERS

Engineer Hammers, DIN 1041

3001010120	100 g
3002010120	200 g
3003010120	300 g
3004010120	400 g
3005010120	500 g
3008010120	800 g
3010010120	1000 g
3015010120	1500 g
3020010120	2000 g



with handle protection

3001011110	100 g
3002011110	200 g
3003011110	300 g
3004011110	400 g
3005011110	500 g
3008011110	800 g
3010011110	1000 g



SLEDGE HAMMERS

Sledge Hammers DIN 1042-GS approved  
with light ash-wood handle

3030015121	3000 g
3040015121	4000 g
3050015121	5000 g
3060015121	6000 g
3080015121	8000 g
3010015121	10000 g



with light hickory-wood handle

3030015129	3000 g
3040015129	4000 g
3050015129	5000 g
3060015129	6000 g
3080015129	8000 g
3010015129	10000 g



Club Hammers, DIN 6475

30100301	1000 g
30125301	1250 g
30150301	1500 g
30200301	2000 g



WOODEN HAMMER + FILE HANDLES



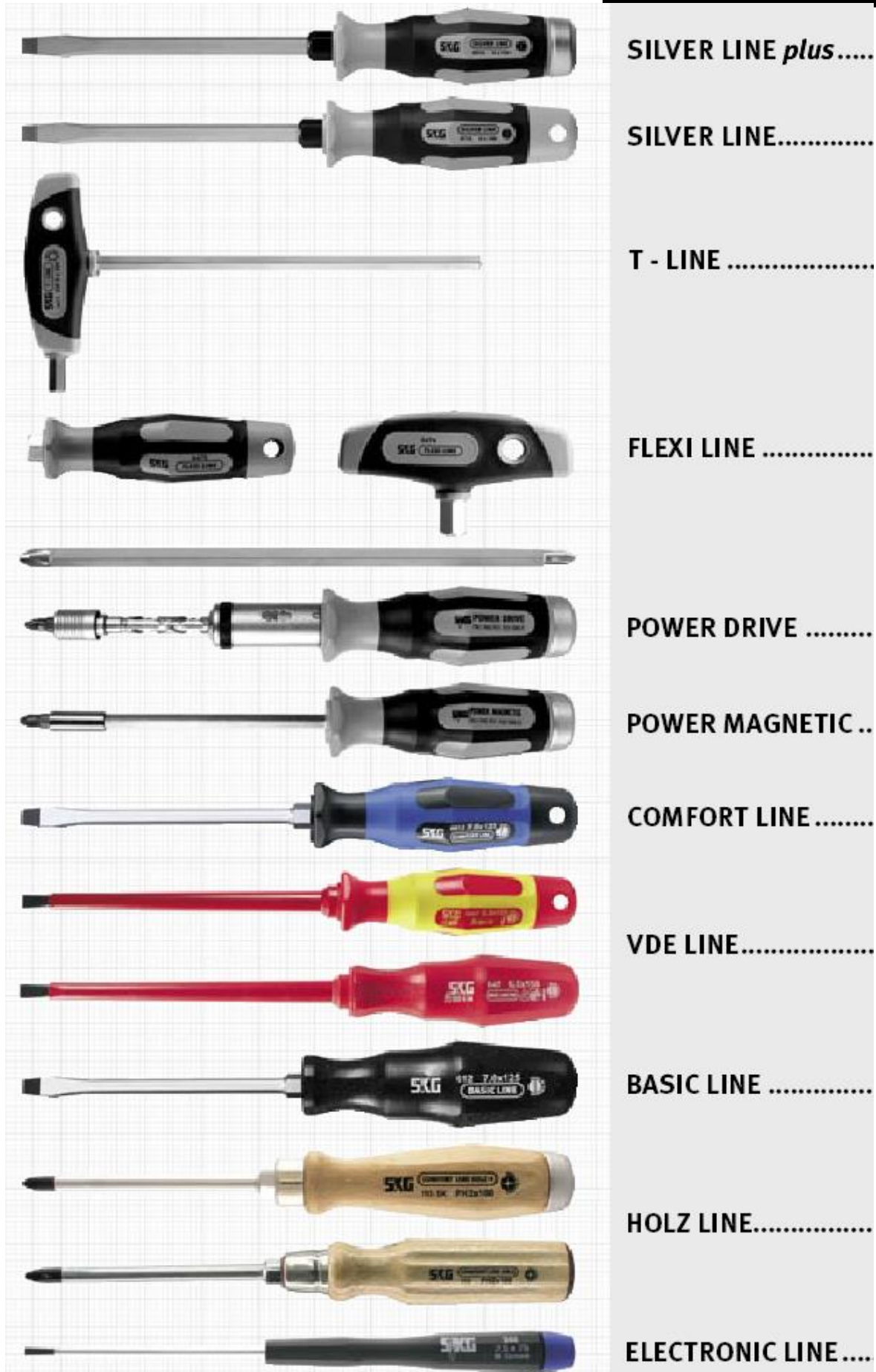
110.25	Ashwood Hammer Handle	250 mm, DIN 5111 - f.	50 g
110.26	Ashwood Hammer Handle	260 mm, DIN 5111 - f.	100 g
110.28	Ashwood Hammer Handle	280 mm, DIN 5111 - f.	200 g
110.30	Ashwood Hammer Handle	300 mm, DIN 5111 - f.	300 g
110.31	Ashwood Hammer Handle	310 mm, DIN 5111 - f.	400 g
110.32	Ashwood Hammer Handle	320 mm, DIN 5111 - f.	500 g
110.33	Ashwood Hammer Handle	330 mm, DIN 5111 - f.	600 g
110.35	Ashwood Hammer Handle	350 mm, DIN 5111 - f.	800 g
110.36	Ashwood Hammer Handle	360 mm, DIN 5111 - f.	1,0 kg
110.38	Ashwood Hammer Handle	380 mm, DIN 5111 - f.	1,5 kg
110.40	Ashwood Hammer Handle	400 mm, DIN 5111 - f.	2,0 kg
110.45	Ashwood Hammer Handle	450 mm, DIN 5111 - f.	2,0- 3,0 kg
110.50	Ashwood Hammer Handle	500 mm, DIN 5111 - f.	3,0 kg
111.60	Ashwood Hammer Handle	600 mm, DIN 5112 - f.	3,0- 4,0 kg
111.70	Ashwood Hammer Handle	700 mm, DIN 5112 - f.	3,0- 4,0 kg
111.80	Ashwood Hammer Handle	800 mm, DIN 5112 - f.	5,0- 6,0 kg
111.90	Ashwood Hammer Handle	900 mm, DIN 5112 - f.	8,0-10,0 kg
111.92	Ashwood Hammer Handle	920 mm, DIN 5112 - f.	12,0-15,0 kg
111100	Ashwood Hammer Handle	1000 mm, DIN 5112 - f.	12,0-15,0 kg
201.08	Wooden File Handle	18 x 80 mm, standard	
201.09	Wooden File Handle	20 x 90 mm, standard	
201.10	Wooden File Handle	22 x 100 mm, standard	
201.11	Wooden File Handle	25 x 110 mm, standard	
201.12	Wooden File Handle	28 x 120 mm, standard	
201.13	Wooden File Handle	30 x 130 mm, standard	
201.14	Wooden File Handle	32 x 140 mm, standard	
201.15	Wooden File Handle	34 x 150 mm, standard	
201.16	Wooden File Handle	36 x 160 mm, standard	
601.35	Beechwood Mallet, round head	Ø 35 x 70 mm, DIN 7762A	
601.40	Beechwood Mallet, round head	Ø 40 x 80 mm, DIN 7762A	
601.50	Beechwood Mallet, round head	Ø 50 x 100 mm, DIN 7762A	
601.60	Beechwood Mallet, round head	Ø 60 x 120 mm, DIN 7762A	
601.70	Beechwood Mallet, round head	Ø 70 x 140 mm, DIN 7762A	
601.80	Beechwood Mallet, round head	Ø 80 x 160 mm, DIN 7762A	
601.90	Beechwood Mallet, round head	Ø 90 x 180 mm, DIN 7762A	



Hammer handles also available in HICKORY wood

SCREW DRIVERS

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SILVER LINE *plus*.....

SILVER LINE.....

T - LINE .....

FLEXI LINE .....

POWER DRIVE .....

POWER MAGNETIC ..



COMFORT LINE .....

VDE LINE.....


BASIC LINE .....


HOLZ LINE.....

ELECTRONIC LINE....

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			
0,30 mm	4,80 mm	9,30 mm	1/64"	10,50 mm reduced shank 3/8"	
0,40 mm	4,90 mm	9,40 mm	1/32"	11,00 mm reduced shank 3/8"	
0,50 mm	5,00 mm	9,50 mm	3/64"	11,50 mm reduced shank 3/8"	
0,60 mm	5,10 mm	9,60 mm	1/16"	12,00 mm reduced shank 3/8"	
0,70 mm	5,20 mm	9,70 mm	5/64"	12,50 mm reduced shank 3/8"	
0,80 mm	5,25 mm	9,75 mm	3/32"	13,00 mm reduced shank 3/8"	
0,90 mm	5,30 mm	9,80 mm	7/64"	13,50 mm reduced shank 3/8"	
1,00 mm	5,40 mm	9,90 mm	1/ 8"	14,00 mm reduced shank 3/8"	
1,10 mm	5,50 mm	10,00 mm	9/64"	14,50 mm reduced shank 3/8"	
1,20 mm	5,60 mm	10,20 mm	5/32"	15,00 mm reduced shank 3/8"	
1,25 mm	5,70 mm	10,50 mm	11/64"	15,50 mm reduced shank 3/8"	
1,30 mm	5,75 mm	11,00 mm	3/16"	16,00 mm reduced shank 3/8"	
1,40 mm	5,80 mm	11,50 mm	13/64"	16,50 mm reduced shank 3/8"	
1,50 mm	5,90 mm	12,00 mm	7/32"	17,00 mm reduced shank 3/8"	
1,60 mm	6,00 mm	12,50 mm	15/64"	17,50 mm reduced shank 3/8"	
1,70 mm	6,10 mm	13,00 mm	1/ 4"	18,00 mm reduced shank 3/8"	
1,75 mm	6,20 mm	13,50 mm	17/64"	18,50 mm reduced shank 3/8"	
1,80 mm	6,25 mm	14,00 mm	9/32"	19,00 mm reduced shank 3/8"	
1,90 mm	6,30 mm	14,50 mm	19/64"	19,50 mm reduced shank 3/8"	
2,00 mm	6,40 mm	15,00 mm	5/16"	20,00 mm reduced shank 3/8"	
2,10 mm	6,50 mm	15,50 mm	21/64"	13,50 mm reduced shank 1/2"	
2,20 mm	6,60 mm	16,00 mm	11/32"	14,00 mm reduced shank 1/2"	
2,25 mm	6,70 mm	16,50 mm	23/64"	14,50 mm reduced shank 1/2"	
2,30 mm	6,80 mm	17,00 mm	3/ 8"	15,00 mm reduced shank 1/2"	
2,40 mm	6,90 mm	17,50 mm	25/64"	15,50 mm reduced shank 1/2"	
2,50 mm	7,00 mm	18,00 mm	13/32"	16,00 mm reduced shank 1/2"	
2,60 mm	7,10 mm	18,50 mm	27/64"	16,50 mm reduced shank 1/2"	
2,70 mm	7,20 mm	19,00 mm	7/16"	17,00 mm reduced shank 1/2"	
2,75 mm	7,25 mm	19,50 mm	29/64"	17,50 mm reduced shank 1/2"	
2,80 mm	7,30 mm	20,00 mm	15/32"	18,00 mm reduced shank 1/2"	
2,90 mm	7,40 mm		31/64"	18,50 mm reduced shank 1/2"	
3,00 mm	7,50 mm		1/ 2"	19,00 mm reduced shank 1/2"	
3,10 mm	7,60 mm		9/16"	19,50 mm reduced shank 1/2"	
3,20 mm	7,70 mm		5/ 8"	20,00 mm reduced shank 1/2"	
3,25 mm	7,75 mm		3/ 4"	22,00 mm reduced shank 1/2"	
3,30 mm	7,80 mm			24,00 mm reduced shank 1/2"	
3,40 mm	7,90 mm			25,00 mm reduced shank 1/2"	
3,50 mm	8,00 mm				
3,60 mm	8,10 mm			1/ 2" reduced shank 3/8"	
3,70 mm	8,20 mm			3/ 4" reduced shank 3/8"	
3,75 mm	8,25 mm			5/ 8" reduced shank 3/8"	
3,80 mm	8,30 mm			7/16" reduced shank 3/8"	
3,90 mm	8,40 mm			9/16" reduced shank 3/8"	
4,00 mm	8,50 mm			13/32" reduced shank 3/8"	
4,10 mm	8,60 mm			15/32" reduced shank 3/8"	
4,20 mm	8,70 mm			27/64" reduced shank 3/8"	
4,25 mm	8,75 mm			29/64" reduced shank 3/8"	
4,30 mm	8,80 mm			31/64" reduced shank 3/8"	
4,40 mm	8,90 mm			1" reduced shank 1/2"	
4,50 mm	9,00 mm			3/ 4" reduced shank 1/2"	
4,60 mm	9,10 mm			5/ 8" reduced shank 1/2"	
4,70 mm	9,20 mm			7/ 8" reduced shank 1/2"	
4,75 mm	9,25 mm			9/16" reduced shank 1/2"	



DRILL BITS							
<b>DIN 345 HSS</b>		HSS twist drill DIN 345, with taper shank					
10,00 mm	15,50 mm	21,00 mm	26,50 mm	32,00 mm	37,50 mm	43,00 mm	48,50 mm
10,50 mm	16,00 mm	21,50 mm	27,00 mm	32,50 mm	38,00 mm	43,50 mm	49,00 mm
11,00 mm	16,50 mm	22,00 mm	27,50 mm	33,00 mm	38,50 mm	44,00 mm	49,50 mm
11,50 mm	17,00 mm	22,50 mm	28,00 mm	33,50 mm	39,00 mm	44,50 mm	50,00 mm
12,00 mm	17,50 mm	23,00 mm	28,50 mm	34,00 mm	39,50 mm	45,00 mm	51,00 mm
12,50 mm	18,00 mm	23,50 mm	29,00 mm	34,50 mm	40,00 mm	45,50 mm	52,00 mm
13,00 mm	18,50 mm	24,00 mm	29,50 mm	35,00 mm	40,50 mm	46,00 mm	53,00 mm
13,50 mm	19,00 mm	24,50 mm	30,00 mm	35,50 mm	41,00 mm	46,50 mm	54,00 mm
14,00 mm	19,50 mm	25,00 mm	30,50 mm	36,00 mm	41,50 mm	47,00 mm	55,00 mm
14,50 mm	20,00 mm	25,50 mm	31,00 mm	36,50 mm	42,00 mm	47,50 mm	56,00 mm
15,00 mm	20,50 mm	26,00 mm	31,50 mm	37,00 mm	42,50 mm	48,00 mm	57,00 mm
							58,00 mm
							59,00 mm
							60,00 mm

<b>DIN 8039</b>	Masonry drill bit, Standard-Quality, galvanized, for rotary and percussion drilling	
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3,00 mm	7,00 mm	13,00 mm	22,00 mm
4,00 mm	8,00 mm	14,00 mm	24,00 mm
5,00 mm	9,00 mm	15,00 mm	25,00 mm
5,50 mm	10,00 mm	16,00 mm	
6,00 mm	11,00 mm	18,00 mm	
6,50 mm	12,00 mm	20,00 mm	



5,00 mm x 150 mm	5,00 mm x 200 mm	11,00 mm x 200 mm
5,50 mm x 150 mm	5,50 mm x 200 mm	12,00 mm x 200 mm
6,00 mm x 150 mm	6,00 mm x 200 mm	13,00 mm x 200 mm
6,50 mm x 150 mm	6,50 mm x 200 mm	14,00 mm x 200 mm
7,00 mm x 150 mm	7,00 mm x 200 mm	15,00 mm x 200 mm
8,00 mm x 150 mm	8,00 mm x 200 mm	16,00 mm x 200 mm
10,00 mm x 150 mm	10,00 mm x 200 mm	



803111	ALPEN Twist Drill Set KM 19 HSS Sprint 1-10.0 x 0.5 mm
804001	ALPEN Twist Drill Set KM 21 HSS Sprint 1- 8.5 x 0.5 mm/ 9-13 x 1 mm
803211	ALPEN Twist Drill Set KM 25 HSS Sprint 1-13.0 x 0.5 mm
803511	ALPEN Twist Drill Set KM 50 HSS Sprint 1- 5.9 x 0.1 mm
806311	ALPEN Twist Drill Set KZ 29 HSS Sprint 1/16-1/2 x 1/64"



TUNGSTEN CARBIDE TIPPED HS DRILL BITS



DIN 338 / DIN 340



DIN 345



DIN 8037



DIN 8041

HUNTER precision HSS carbide-tipped twist drills are produced to H 8 tolerance, to machine very precise holes in hard, difficult and abrasive materials, they are accurately ground to produce a double facet drill point, which ensures self-centering and eliminates the need for drill bushes.

Cylindrical shanks from 2 mm to 20 mm diam. (flute / overall length acc. to DIN 338 - long series acc. DIN 340 - stub length to DIN 8037)

Morse taper shanks from diam. 10 to 40 mm diam. (flute / overall length acc. to DIN 345 - stub length to DIN 8041)

Please specify your demand





DRILL BITS

**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/mm<sup>2</sup> strength, grey cast, malleable cast iron, die-cast metal, iron sinter, nickel-silver, graphite cast iron, short-chipping aluminium alloys, bronze and brass.



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**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**



**GLASS DRILLS**

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



**PACKING EXAMPLES ONLY**  
**SCREW EXTRACTORS, CV steel**  
**loose and in sets No. 1-5 / No. 1-6 / No. 1-8**



**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**

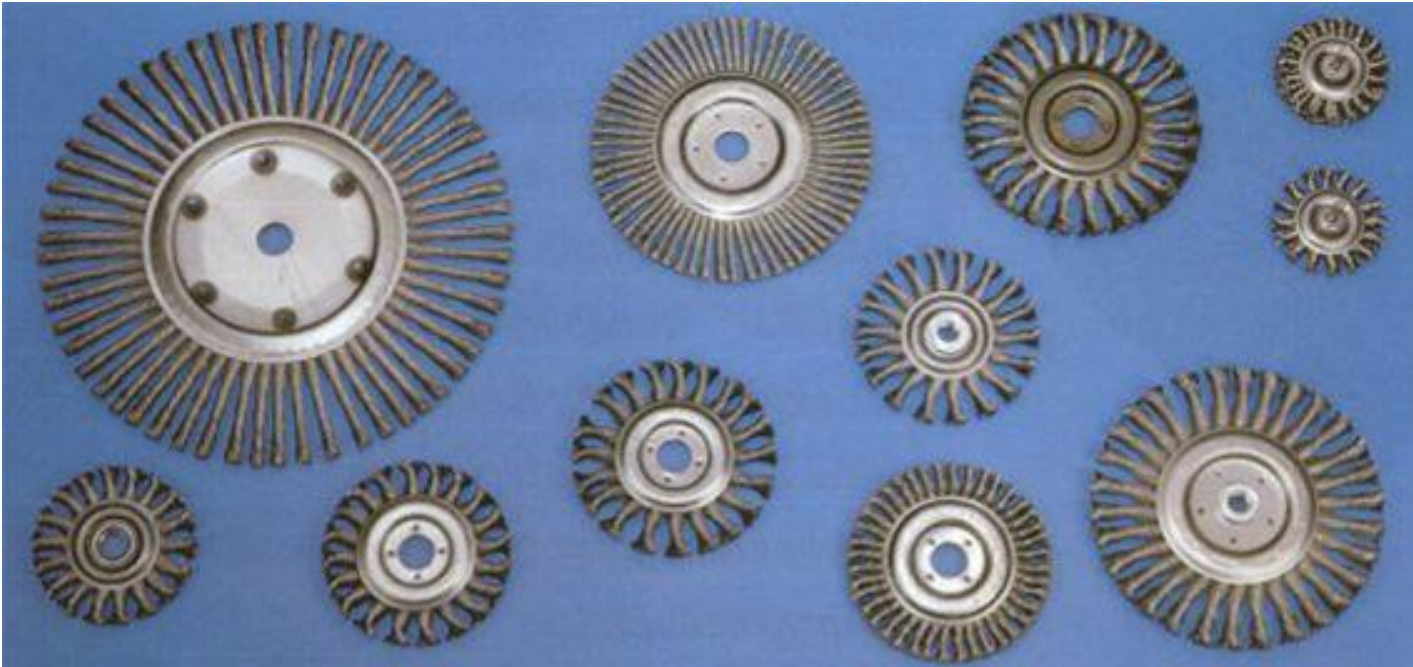


Filling materials                      steelwire, brass wire, brassed steel wire, stainl. steel wire V2A

Please specify required diameter,type, and filling material



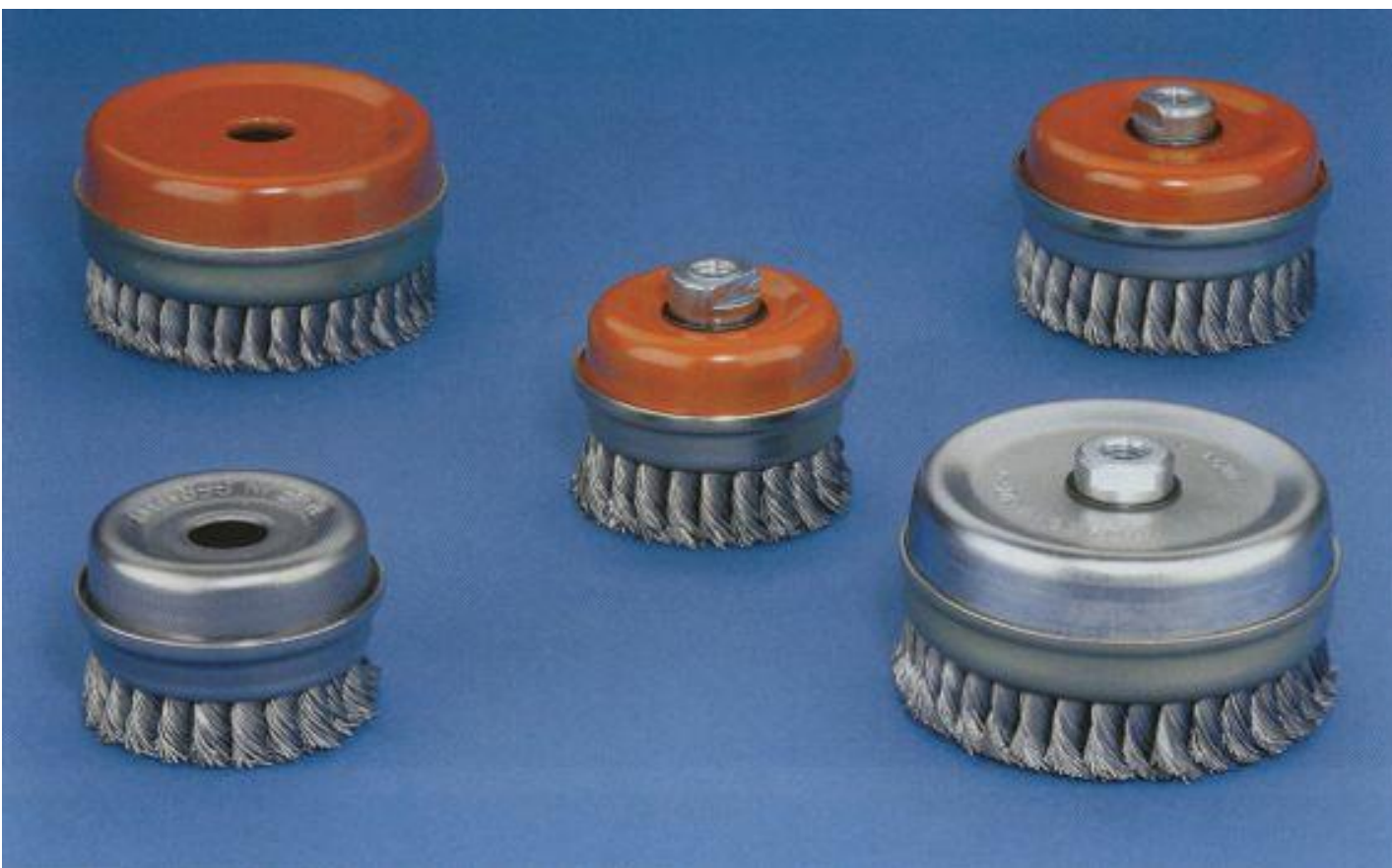
**KNOTTED WHEEL WIRE BRUSHES**



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**

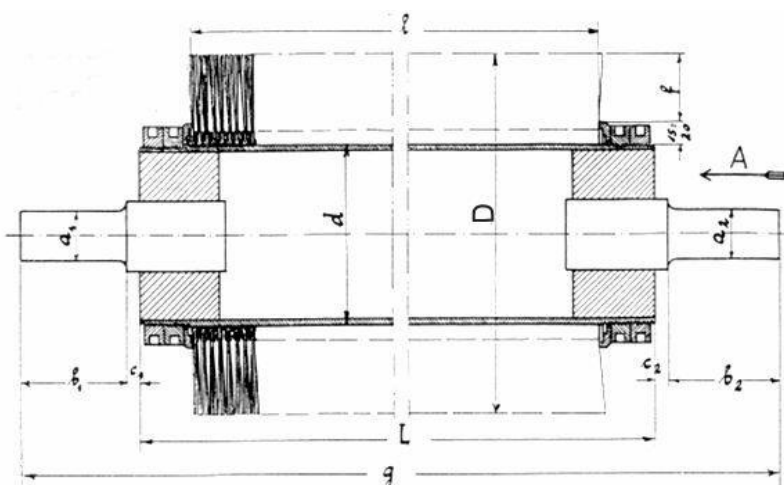


Filling materials                      steelwire, stainl. steel wire V2A

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



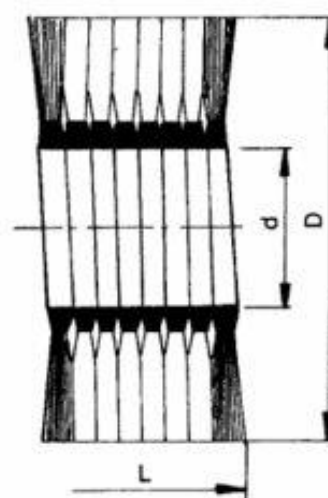
**SPECIAL WHEEL BRUSHES**



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.



**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



**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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**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°	2-
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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	<b>Lengths 2 - 3 - 5 m</b>
	<b>Thickness</b> 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

**MEASURING TOOLS - PIMETER**

PIMETER Special Steel Measures with vernier, suitable for measuring circumference and diameter, graduation in mm, reading by +/- 0,10 mm

	<b>for circumference</b>	<b>for diameter</b>
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**



MEASURING TOOLS - TRY (JOINER') SQUARES

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"



**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



**No. 50**

- 50/1000 50 mm Brass Tyre Thread Feeler Gauge ind. plastic bag

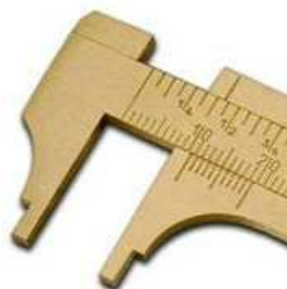


**No. 60**

- 60/1000 50 mm Brass Tyre Thread Feeler Gauge ind. plastic bag



**No. 80**



**No. 80a**



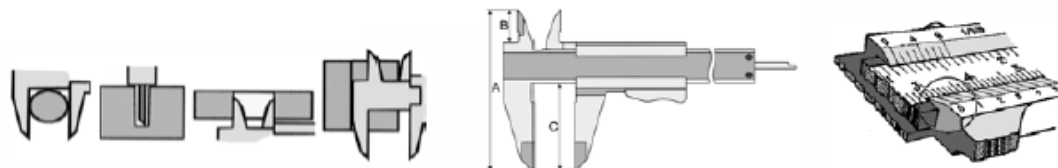
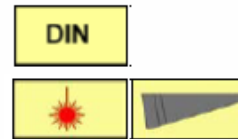
POCKET VERNIER CALIPERS



**Pocket Vernier Caliper DIN 862**

*Suitable for workshop use (Standard - Quality)*

- Stainless steel, hardened
- Scale and vernier satin chrome finish
- Jaws fine ground and lapped
- Mono-block vernier
- 4-way measuring system
- Flat depth gauge



Artikel - Nr. <i>Article - No.</i>	mm/inch	Nonius unten <i>Vernier bottom</i> mm	Nonius oben <i>Vernier top</i> inch	A mm	B mm	C mm	Tiefenmass <i>Depth gauge</i>		CC
20 1031	150 / 6	1/20	1/128	77	16	40	flach / <i>flat</i>	0,150	20 94001
20 1034	200 / 8	1/20	1/128	90	19	50	flach / <i>flat</i>	0,170	20 94001
20 1035	150 / 6	1/50	1/1000	77	16	40	flach / <i>flat</i>	0,150	20 94001
20 1036	200 / 8	1/50	1/1000	90	19	50	flach / <i>flat</i>	0,170	20 94001
20 1013	300 / 12	1/20	1/128	102	19	60	flach / <i>flat</i>	0,250	20 94001
20 1015	300 / 12	1/50	1/1000	102	19	60	flach / <i>flat</i>	0,250	20 94001

**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 deviders 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"