

# Diesella

*The professional alternative*



MEASURING TOOLS | TEST- AND INSPECTION | WEIGHING SCALES AND  
TEST WEIGHTS | HAND TOOLS | MACHINE VICES | MACHINE ACCESSORIES  
MACHINELIGHTS | WELDING | MAGNETS | CUTTING TOOLS | TOOL CASES





**Diesella**





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# Kalibreringscertifikat

udstedt af et akkrediteret laboratorium  
Certifikat nummer

Certifikat dato

Kalibreret af

**Diesella**

KUNDE:

Godkendt af

Side (af)  
1

KALIBRERINGSOBJEKT:

SKYDELJERE, DIESELLA, 150mm  
Serienr.: -

OMFANG:

Akkrediteret Kalibrering  
Exova METECH Kalibreringsinstruktion P200-001B, baseret på DS 2012/DIN 862,  
reduceret antal målepunkter

ID nr.:  
METECH nr.:  
(MIO nr.)

nogle af de målte størrelser kan det ikke afgøres, om de ligger inden for  
næsten med en dækningssandsynlighed på 95%.

KALIBRERINGSDATO:

MODTAGELSESDATO:

KALIBRERINGSSTED:

OMGIVELSESFORHOLD:

SPORBARHED:

Temperatur: ...  
Kalibrering er ...  
til laboratoriets re...  
nationale eller internat...

Måleprocedurer og måleudstyr anvendt under kalibreringen er valgt så det så vidt muligt sikres at måleusikkerheden er  
sporbare til Det Internationale Enhedssystem (SI-systemet) hvor det er muligt. Måleusikkerheden er bestemt i overens-  
stemmelse med specifikationerne i IAC-publikationen ILAC-G8-03/2009. Enhver angivelse af overmålingsnormer m...  
Laboratoriet er akkrediteret af Den Danske Akkrediterings- og Metrologifond - DANAK i henhold til dansk lovgivning. De akkrediter-  
ISO/IEC 17025. DANAK er medlem af EA's og ILAC's multilaterale aftaler om gensidig anerkendelse af akkrediterede kalibrer-  
Certifikatet må ikke gengives i uddrag uden forudgående skriftlig accept fra det udstedende laboratorium.



## CALIBRATION CERTIFICATES

Diesella A/S offers calibration certificates for our DIN normed measuring tools in cooperation with selected partners. Certificates ensure that the tools are ready for use in case of ISO requirements, or if the user want to have proved data on the precision of the measuring tool.

Please contact Diesella or your dealer for more information or advice on Diesella products.



# Measuring tools



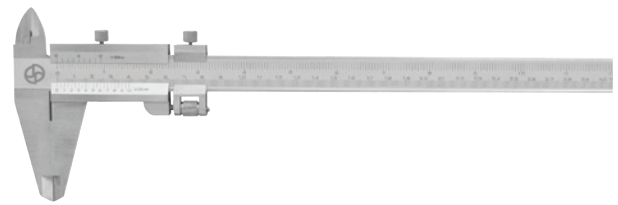
**FIRST CHOICE**



**CALIPER WITH SLIDER LOCKING BUTTON**

Slider locking button, chrome plated, inox hardened.

Item no.	Range	Resolution	Jaw length
10130150	0 - 150 mm	0,05 mm	40 mm
10130200	0 - 200 mm	0,02 mm	50 mm
10130215	0 - 200 mm	0,05 mm	50 mm



**CALIPER WITH LOCKING SCREW AND FINE ADJUSTMENT**

DIN862, with locking screw and fine adjustment, chrome plated, inox hardened.

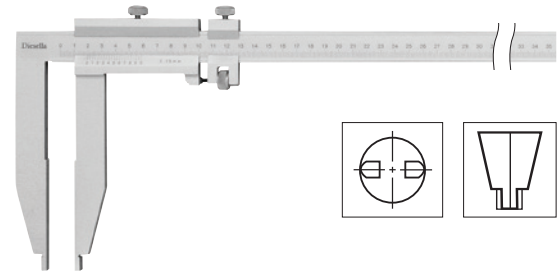
Item no.	Range	Resolution	Jaw length
10134200	0 - 200 mm	0,05 mm	50 mm
10134300	0 - 300 mm	0,05 mm	55 mm



**CALIPER WITH SLIDER LOCKING BUTTON (LEFT-HANDED MODEL)**

Slider locking button, chrome plated, inox hardened.

Item no.	Range	Resolution	Jaw length
10130175	0 - 150 mm	0,05 mm	40 mm



**WORKSHOP VERNIER CALIPER WITH FINE-ADJUSTMENT**

DIN862, slider locking screw w/ micrometric adjustment and lapped contact surfaces, chrome plated, inox hardened. Can be used for internal measuring.

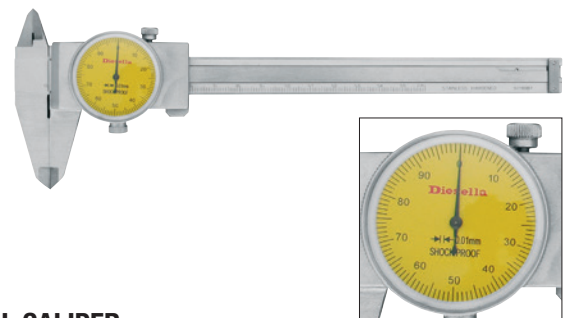
Item no.	Range	Resolution	Min. internal	Jaw length
10140500	0 - 500 mm	0,02 mm	11 mm	80 mm
10140525	0 - 500 mm	0,05 mm	11 mm	150 mm
10140550	0 - 500 mm	0,05 mm	11 mm	200 mm
10140575	0 - 750 mm	0,05 mm	20 mm	150 mm
10140600	0 - 1000 mm	0,02 mm	20 mm	140 mm
10140625	0 - 1500 mm	0,05 mm	20 mm	200 mm
10140650	0 - 2000 mm	0,05 mm	20 mm	200 mm



**CALIPER WITH THUMB-LOCK (PREMIUM MODEL)**

DIN862.

Item no.	Range	Resolution	Jaw length	Depth gauge
10130188	0 - 150 mm	0,05 mm	40 mm	Flat



**DIAL CALIPER**

DIN862, dial diameter 38 mm, stainless steel, chrome plated, inox hardened. Quality Dial indicator SHOCK-PROOF.

Item no.	Range	Resolution	Jaw length
10149150	0 - 150 mm	0,01 mm	40 mm



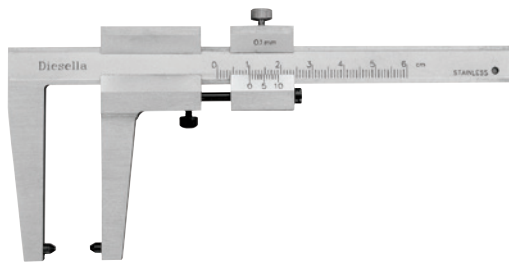
**CALIPER WITH LOCKING SCREW**

DIN862, with locking screw, chrome plated, inox hardened.

\* ART. 10125150: Made of plastic. (Accuracy: 0,5 mm)

Item no.	Range	Resolution	Jaw length
10132100	0 - 100 mm	0,05 mm	30 mm
10132150	0 - 150 mm	0,05 mm	40 mm
10132175	0 - 150 mm	0,02 mm	40 mm
10125150*	0 - 150 mm	0,05 mm	40 mm

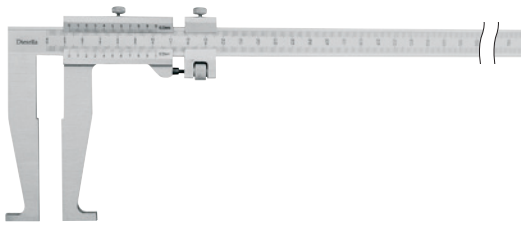




### CALIPER FOR BRAKE DISCS

DIN862, for measuring of brake discs, chrome plated, inox hardened. Shifting: 11 mm.

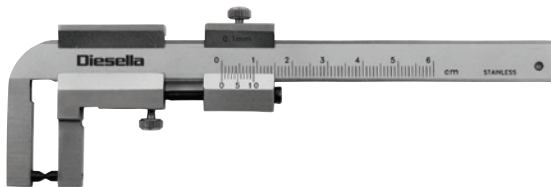
Item no.	Range	Resolution	Jaw length
10146060	0 - 60 mm	0,01 mm	52 mm
10146090	0 - 93 mm	0,01 mm	120 mm



### CALIPER FOR BRAKE DRUMS

DIN862, for internal measurement of brakedrums, with fine adjustment, chrome plated, inox hardened.

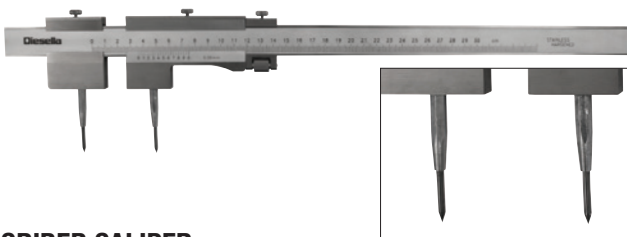
Item no.	Internal range	External range	Resolution	Jaw length
10145340	40 - 340 mm	0 - 300 mm	0,02 mm	94 mm
10145560	60 - 560 mm	0 - 300 mm	0,05 mm	150 mm
10145810	60 - 810 mm	0 - 750 mm	0,05 mm	150 mm



### CALIPER FOR BRAKE DISCS

Caliper in stainless steel and with fine adjustment. For measurement of brake discs on cars. Can measure even though the rim is mounted on the car.

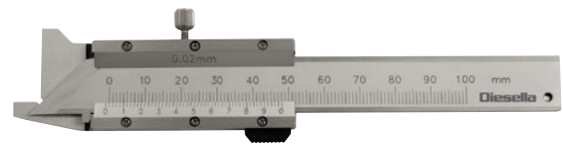
Item no.	Range	Resolution	Jaw length	Remark
10146030	0 - 60 mm	0,1 mm	30 mm	Afrundet kant



### SCRIBER CALIPER

Stainless steel caliper with fine adjustment. For meas. and marking.

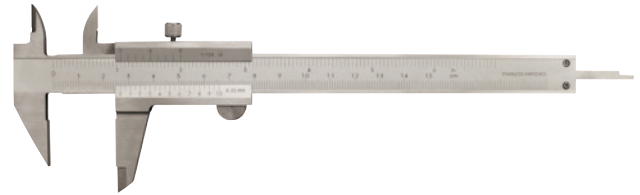
Item no.	Range	Resolution	Jaw length
10150130	0 - 300 mm	0,05 mm	50 mm
10150150	0 - 500 mm	0,05 mm	50 mm



### CHAMFER CALIPER

Used for measuring edge chamfer. 45°

Item no.	Resolution	Accuracy	Total length
10150065	0,02 mm	0,06 mm	150 mm



### SCRIBER CALIPER 0-150 MM (ANALOG)

Used for marking on materials.

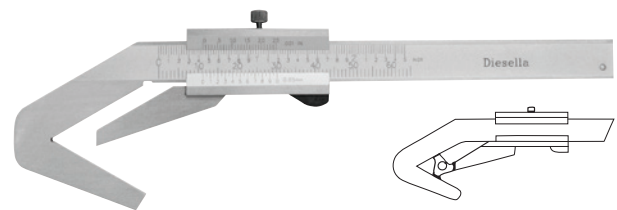
Item no.	Range	Resolution	Jaw length	Carbide measuring face
10150070	0-150 mm	0,05 mm	40/30 mm	No



### BRASS CALIPER 0-100 MM

Graduated in mm.

Item no.	Range	Resolution	Jaw length
10148115	0 - 100 mm	0,01 mm	25 mm



### 3-POINT CALIPER

Suitable for measuring the diameter of side-mills. Chrome plated, inox hardened.

Item no.	Range	Resolution
10150040	5 - 40 mm	0,05 mm



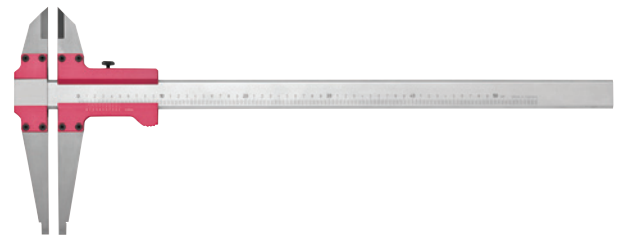


### ALU. CALIPER

Standard workshop caliper in aluminium. Jaws are made of hardend, stainless steel (jaw length up to 800 mm available). The beam and cursor is made of aluminium profile. With laser-graduation and antiglare reading.

Delivered in carton box for storage. Anti-magnetic type can be offered by request.

Item no.	Range outside	Range inside	Jaw length	Weight
10180100	0 - 500 mm	20 - 500 mm	125 mm	0,09 kg
10180110	0 - 500 mm	20 - 500 mm	150 mm	0,09 kg
10180120	0 - 500 mm	20 - 500 mm	200 mm	1,0 kg
10180140	0 - 500 mm	20 - 500 mm	300 mm	1,2 kg
10180150	0 - 500 mm	20 - 500 mm	400 mm	1,4 kg
10180220	0 - 600 mm	20 - 600 mm	200 mm	1,2 kg
10180300	0 - 800 mm	20 - 600 mm	125 mm	1,0 kg
10180310	0 - 800 mm	20 - 600 mm	150 mm	1,1 kg
10180320	0 - 800 mm	20 - 600 mm	200 mm	1,2 kg
10180340	0 - 800 mm	20 - 600 mm	300 mm	1,4 kg
10180350	0 - 800 mm	20 - 600 mm	400 mm	1,6 kg
10180400	0 - 1000 mm	20 - 1000 mm	125 mm	1,2 kg
10180410	0 - 1000 mm	20 - 1000 mm	150 mm	1,2 kg
10180420	0 - 1000 mm	20 - 1000 mm	200 mm	1,3 kg
10180440	0 - 1000 mm	20 - 1000 mm	300 mm	1,5 kg
10180450	0 - 1000 mm	20 - 1000 mm	400 mm	1,7 kg
10180460	0 - 1000 mm	20 - 1000 mm	500 mm	1,9 kg
10180464	0 - 1200 mm	20 - 1200 mm	250 mm	1,6 kg
10180500	0 - 1500 mm	20 - 1500 mm	125 mm	1,4 kg
10180510	0 - 1500 mm	20 - 1500 mm	150 mm	1,5 kg
10180520	0 - 1500 mm	20 - 1500 mm	200 mm	1,6 kg
10180540	0 - 1500 mm	20 - 1500 mm	300 mm	1,8 kg
10180550	0 - 1500 mm	20 - 1500 mm	400 mm	2,0 kg
10180560	0 - 1500 mm	20 - 1500 mm	500 mm	2,0 kg
10180600	0 - 2000 mm	20 - 2000 mm	125 mm	1,7 kg
10180610	0 - 2000 mm	20 - 2000 mm	150 mm	1,8 kg
10180620	0 - 2000 mm	20 - 2000 mm	200 mm	1,9 kg
10180640	0 - 2000 mm	20 - 2000 mm	300 mm	2,1 kg
10180650	0 - 2000 mm	20 - 2000 mm	400 mm	2,3 kg
10180660	0 - 2000 mm	20 - 2000 mm	500 mm	2,5 kg
10180800	0 - 3000 mm	20 - 3000 mm	125 mm	2,3 kg
10180810	0 - 3000 mm	20 - 3000 mm	150 mm	2,4 kg
10180820	0 - 3000 mm	20 - 3000 mm	200 mm	2,5 kg
10180840	0 - 3000 mm	20 - 3000 mm	300 mm	2,7 kg
10180850	0 - 3000 mm	20 - 3000 mm	400 mm	2,9 kg
10180860	0 - 3000 mm	20 - 3000 mm	500 mm	3,1 kg



### ALU. CALIPER

Standard workshop caliper in aluminium. Jaws and knife-edge points are made of hardend, stainless steel (jaw length up to 800 mm available). The beam and cursor is made of aluminium profile. With laser-graduation and antiglare reading.

Delivered in carton box for storage. Anti-magnetic type can be offered by request.

Item no.	Range outside	Range inside	Jaw length	Weight
10182100	0 - 500 mm	20 - 500 mm	90 / 125 mm	1,1 kg
10182110	0 - 500 mm	20 - 500 mm	90 / 150 mm	1,1 kg
10182120	0 - 500 mm	20 - 500 mm	90 / 200 mm	1,2 kg
10182140	0 - 500 mm	20 - 500 mm	90 / 300 mm	1,4 kg
10182150	0 - 500 mm	20 - 500 mm	90 / 400 mm	1,6 kg
10182160	0 - 500 mm	20 - 500 mm	90 / 500 mm	1,8 kg
10182400	0 - 600 mm	20 - 600 mm	90 / 125 mm	1,4 kg
10182410	0 - 800 mm	20 - 600 mm	90 / 150 mm	1,4 kg
10182420	0 - 800 mm	20 - 600 mm	90 / 200 mm	1,5 kg
10182440	0 - 800 mm	20 - 600 mm	90 / 300 mm	1,7 kg
10182450	0 - 800 mm	20 - 600 mm	90 / 400 mm	1,9 kg
10182460	0 - 800 mm	20 - 600 mm	90 / 500 mm	2,1 kg
10182500	0 - 1500 mm	20 - 1500 mm	90 / 125 mm	1,6 kg
10182510	0 - 1500 mm	20 - 1500 mm	90 / 150 mm	1,7 kg
10182520	0 - 1500 mm	20 - 1500 mm	90 / 200 mm	1,8 kg
10182540	0 - 1500 mm	20 - 1500 mm	90 / 300 mm	2,0 kg
10182550	0 - 1500 mm	20 - 1500 mm	90 / 400 mm	2,2 kg
10182560	0 - 1500 mm	20 - 1500 mm	90 / 500 mm	2,4 kg
10182600	0 - 2000 mm	20 - 2000 mm	90 / 125 mm	1,9 kg
10182610	0 - 2000 mm	20 - 2000 mm	90 / 150 mm	2,0 kg
10182620	0 - 2000 mm	20 - 2000 mm	90 / 200 mm	2,1 kg
10182640	0 - 2000 mm	20 - 2000 mm	90 / 300 mm	2,3 kg
10182650	0 - 2000 mm	20 - 2000 mm	90 / 400 mm	2,2 kg
10182660	0 - 2000 mm	20 - 2000 mm	90 / 500 mm	2,7 kg



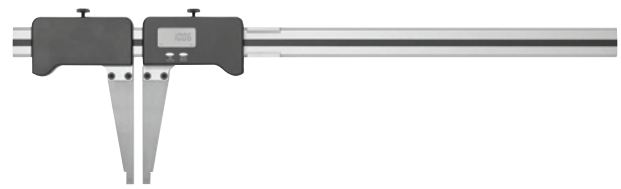


## ALU. DIGITAL SKYDELÆRE

Standard digital workshop caliper in aluminium. Jaws are made of hardend, stainless steel (jaws up to 800 mm available). The beam and guiding elements are made of aluminium. Inside- and outside measurement. Sylvac system, protection class IP54. Fine-adjustment. Extremely low weight eases the usage and work conditions. Large LCD display. Functions: On/Off, Pre-set function, Zero setting, HOLD function, data output RS232/Opto.

*Calipers in length from 1000 mm are delivered in a sturdy wooden storagebox.*

Item no.	Range outside	Range inside	Jaw length	Weight
10184100	0 - 500 mm	20 - 500 mm	125 mm	1,3 kg
10184110	0 - 500 mm	20 - 500 mm	150 mm	1,4 kg
10184120	0 - 500 mm	20 - 500 mm	200 mm	1,5 kg
10184140	0 - 500 mm	20 - 500 mm	300 mm	1,7 kg
10184150	0 - 500 mm	20 - 500 mm	400 mm	1,9 kg
10184250	0 - 600 mm	20 - 600 mm	400 mm	1,9 kg
10184300	0 - 800 mm	20 - 800 mm	125 mm	1,5 kg
10184310	0 - 800 mm	20 - 800 mm	150 mm	1,6 kg
10184320	0 - 800 mm	20 - 800 mm	200 mm	1,7 kg
10184340	0 - 800 mm	20 - 800 mm	300 mm	1,9 kg
10184350	0 - 800 mm	20 - 800 mm	400 mm	2,1 kg
10184360	0 - 800 mm	20 - 800 mm	500 mm	2,3 kg
10184400	0 - 1000 mm	20 - 1000 mm	125 mm	1,6 kg
10184410	0 - 1000 mm	20 - 1000 mm	150 mm	1,1 kg
10184420	0 - 1000 mm	20 - 1000 mm	200 mm	1,8 kg
10184440	0 - 1000 mm	20 - 1000 mm	300 mm	2,0 kg
10184450	0 - 1000 mm	20 - 1000 mm	400 mm	2,2 kg
10184460	0 - 1000 mm	20 - 1000 mm	500 mm	2,4 kg
10184500	0 - 1500 mm	20 - 1500 mm	125 mm	2,0 kg
10184510	0 - 1500 mm	20 - 1500 mm	150 mm	2,0 kg
10184520	0 - 1500 mm	20 - 1500 mm	200 mm	2,1 kg
10184540	0 - 1500 mm	20 - 1500 mm	300 mm	2,3 kg
10184550	0 - 1500 mm	20 - 1500 mm	400 mm	2,5 kg
10184560	0 - 1500 mm	20 - 1500 mm	500 mm	2,7 kg
10184600	0 - 2000 mm	20 - 1500 mm	125 mm	2,5 kg
10184610	0 - 2000 mm	20 - 2000 mm	150 mm	2,5 kg
10184620	0 - 2000 mm	20 - 2000 mm	200 mm	2,6 kg
10184640	0 - 2000 mm	20 - 2000 mm	300 mm	2,8 kg
10184650	0 - 2000 mm	20 - 2000 mm	400 mm	3,0 kg
10184660	0 - 2000 mm	20 - 2000 mm	500 mm	3,2 kg
10184700	0 - 2500 mm	20 - 2500 mm	125 mm	4,8 kg
10184710	0 - 2500 mm	20 - 2500 mm	150 mm	4,9 kg
10184720	0 - 2500 mm	20 - 2500 mm	200 mm	5,0 kg
10184740	0 - 2500 mm	20 - 2500 mm	300 mm	3,2 kg
10184750	0 - 2500 mm	20 - 2500 mm	400 mm	5,4 kg
10184760	0 - 2500 mm	20 - 2500 mm	500 mm	5,6 kg



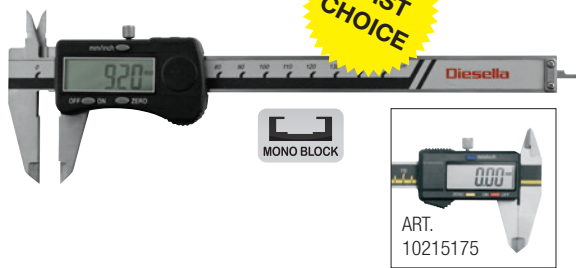
## ALU. DIGITAL CALIPER

Standard workshop caliper in aluminium with double-side slidable jaws. Jaws are made of hardend, stainless steel (jaws up to 800 mm available). The beam and guiding elements are made of aluminium. Inside- and outside measurement. Sylvac system, protection class IP54. Fine-adjustment. Extremely low weight eases the usage and work conditions. Large LCD display. Functions: On/Off, Pre-set function, Zero setting, HOLD function, data output RS232/Opto.

*Calipers in length from 1000 mm are delivered in a sturdy wooden storagebox.*

Item no.	Range outside	Range inside	Jaw length	Weight
10185100	0 - 500 mm	20 - 500 mm	125 mm	1,5 kg
10185110	0 - 500 mm	20 - 500 mm	150 mm	1,6 kg
10185120	0 - 500 mm	20 - 500 mm	200 mm	1,7 kg
10185140	0 - 500 mm	20 - 500 mm	300 mm	1,9 kg
10185150	0 - 500 mm	20 - 500 mm	400 mm	2,1 kg
10185200	0 - 800 mm	20 - 800 mm	125 mm	1,8 kg
10185210	0 - 800 mm	20 - 800 mm	150 mm	1,8 kg
10185220	0 - 800 mm	20 - 800 mm	200 mm	1,9 kg
10185240	0 - 800 mm	20 - 800 mm	300 mm	2,1 kg
10185250	0 - 800 mm	20 - 800 mm	400 mm	2,3 kg
10185260	0 - 800 mm	20 - 800 mm	500 mm	2,5 kg
10185300	0 - 1000 mm	20 - 1000 mm	125 mm	1,8 kg
10185310	0 - 1000 mm	20 - 1000 mm	150 mm	1,8 kg
10185320	0 - 1000 mm	20 - 1000 mm	200 mm	1,9 kg
10185340	0 - 1000 mm	20 - 1000 mm	300 mm	2,2 kg
10185350	0 - 1000 mm	20 - 1000 mm	400 mm	2,3 kg
10185360	0 - 1000 mm	20 - 1000 mm	500 mm	2,5 kg
10185500	0 - 1500 mm	20 - 1500 mm	125 mm	2,3 kg
10185510	0 - 1500 mm	20 - 1500 mm	150 mm	2,3 kg
10185520	0 - 1500 mm	20 - 1500 mm	200 mm	2,4 kg
10185540	0 - 1500 mm	20 - 1500 mm	300 mm	2,6 kg
10185550	0 - 1500 mm	20 - 1500 mm	400 mm	2,8 kg
10185560	0 - 1500 mm	20 - 1500 mm	500 mm	3,1 kg
10185600	0 - 2000 mm	20 - 2000 mm	125 mm	2,6 kg
10185610	0 - 2000 mm	20 - 1500 mm	150 mm	2,7 kg
10185620	0 - 2000 mm	20 - 2000 mm	200 mm	2,8 kg
10185640	0 - 2000 mm	20 - 2000 mm	300 mm	3,0 kg
10185650	0 - 2000 mm	20 - 2000 mm	400 mm	3,2 kg
10185660	0 - 2000 mm	20 - 2000 mm	500 mm	3,4 kg
10185700	0 - 2500 mm	20 - 2500 mm	125 mm	5,1 kg
10185710	0 - 2500 mm	20 - 2500 mm	150 mm	5,2 kg
10185720	0 - 2500 mm	20 - 2500 mm	200 mm	5,3 kg
10185740	0 - 2500 mm	20 - 2500 mm	300 mm	5,5 kg
10185750	0 - 2500 mm	20 - 2500 mm	400 mm	5,7 kg
10185760	0 - 2500 mm	20 - 2500 mm	500 mm	5,9 kg





### DIGITAL CALIPER

Auto on/off, zero setting, switch mm/inch, flat depth gauge, mono-block (prolongs the lifetime of the caliper).

\* ART. 10215190 with HOLD function + round depth gauge.  
 \*\* ART. 10215175 is a left-handed model.

Item no.	Range	Resolution	Jaw length
10215100	0 - 100 mm	0,01 mm	30 mm
10215150	0 - 150 mm	0,01 mm	40 mm
10215190*	0 - 150 mm	0,01 mm	40 mm
10215175**	0 - 150 mm	0,01 mm	40 mm
10215200	0 - 200 mm	0,01 mm	50 mm
10215300	0 - 300 mm	0,01 mm	60 mm
10238500	Battery 1,55 V (SR44W)		

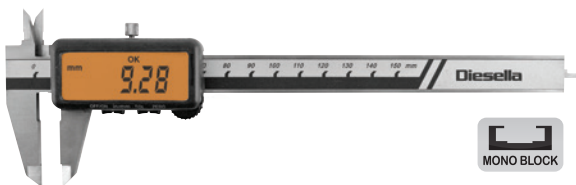


### DIGITAL CALIPER WITH FRACTION

DIN862, very user-friendly caliper in high quality! Metal housing with large display and contrast makes reading easy. Auto switch-on, flat depth gauge.

Triple readings: mm / inch / inch in fraction.  
 Resolution mm/inch: 0,01mm, 1/128".

Item no.	Range	Resolution	Jaw length
10216150	0 - 150 mm	0,01 mm	40 mm
10216200	0 - 200 mm	0,01 mm	50 mm
10216300	0 - 300 mm	0,01 mm	60 mm



### DIGITAL CALIPER WITH TOLERANCE AND XL DISPLAY

DIN862, on/off, in/mm conversion, zerosetting, tolerance setting, flat depth gauge, mono-block (prolongs the life of the caliper).

Item no.	Range	Resolution	Jaw length
10217150	0 - 150 mm	0,01 mm	40 mm
10217200	0 - 200 mm	0,01 mm	50 mm
10217300	0 - 300 mm	0,01 mm	60 mm
10238530	Battery 3V (CR2025)		



### IP54 DIGITAL CALIPER

Dust and waterproof according to IP54 spec., mono block (prolongs the lifetime), automatic on/off, switch mm/inches, flat depth gauge.

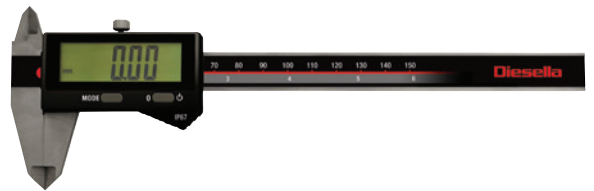
Item no.	Range	Resolution	Accuracy	Jaw length
10218450	0 - 150 mm	0,01 mm	DIN862	40 mm
10218465	0 - 200 mm	0,01 mm	DIN862	50 mm
10218480	0 - 300 mm	0,01 mm	DIN862	60 mm
10238500	Battery 3V (CR2032)			



### IP54 DIGITAL CALIPER

Dust and waterproof according to IP54 spec., with ABS, mono block (prolongs the lifetime), automatic on/off, switch mm/inches, flat depth gauge.

Item no.	Range	Resolution	Jaw length	Battery
10218710	0 - 150 mm	0,005 mm	40 mm	3V (CR2032)
10218725	0 - 200 mm	0,005 mm	50 mm	3V (CR2032)
10218740	0 - 300 mm	0,005 mm	60 mm	3V (CR2032)



### IP67 DIGITAL CALIPER

Dust- and coolant proof according to IP67 spec., automatic on/off, switch mm/inches, flat depth gauge. Bluetooth feature: No

Item no.	Range	Resolution	Jaw length	Battery
10223110	0 - 150 mm	0,01 mm	40 mm	3V (CR2032)
10223120	0 - 200 mm	0,01 mm	50 mm	3V (CR2032)
10223130	0 - 300 mm	0,01 mm	60 mm	3V (CR2032)



### IP67 DIGITAL CALIPER W. BLUETOOTH

Dust- and coolant proof according to IP67 spec., automatic on/off, switch mm/inches, flat depth gauge. Wireless connection for PC/MAC/Smartphone.

Item no.	Range	Resolution	Jaw length	Battery
10223240	0 - 150 mm	0,01 mm	40 mm	3V (CR2032)
10223250	0 - 200 mm	0,01 mm	50 mm	3V (CR2032)
10223260	0 - 300 mm	0,01 mm	60 mm	3V (CR2032)





### DIGITAL CALIPER WITH FINE ADJUSTMENT

The jaws has rounded measuring faces for accurate inside measurement. The caliper features: power on/off, inch/mm switch, zero-setting at any position, ABS and HOLD.

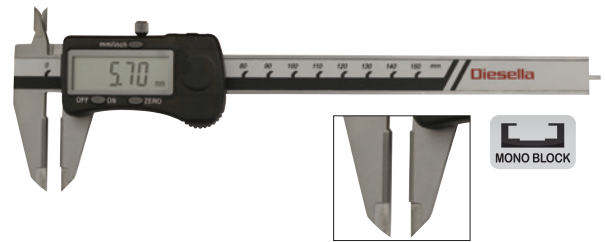
Item no.	Range	Resolution	Jaw length	Min. internal
10231525	0 - 500 mm	0,01 mm	150 mm	20 mm
10231540	0 - 800 mm	0,01 mm	300 mm	20 mm
10231550	0 - 1000 mm	0,01 mm	150 mm	20 mm
10238560	0 - 1500 mm	0,01 mm	200 mm	20 mm



### DIGITAL WORKSHOP CALIPER IP66

IP66 Digital workshop caliper with zero-setting and absolute measuring, inch/mm conversion, automatic on/off. Dust-proof, coolant-proof etc. according to the IP66 standard. Battery: 3V (CR2032)

Item no.	Range	Resolution	Jaw length	Min. internal	Height measuringface
10233525	0 - 500 mm	0,01 mm	100 mm	20 mm	18 mm
10233530	0 - 500 mm	0,01 mm	150 mm	20 mm	18 mm
10233550	0 - 1000 mm	0,01 mm	150 mm	20 mm	24 mm



### DIGITAL CALIPER, STANDARD AND NIB JAWS, FINE ADJUSTMENT CARRIAGE, DATA OUTPUT

The jaws have rounded measuring faces for accurate inside measurement and knife edge jaws for measuring outside dimensions. Features: power on/off, inch/mm switch, zero-setting at any position, ABS and HOLD.

Item no.	Range	Resolution	Jaw length	Battery
10232625	0 - 500 mm	0,01 mm	60/150 mm	1,55V (SR44W)
10232650	0 - 1000 mm	0,01 mm	60/150 mm	1,55V (SR44W)

### DIGITAL CALIPER W/ CARBIDE TIPPED MEASURING FACES

With carbide tipped measuring faces, manual on/off, zero setting, switch mm/ inches, all metal part made of stainless steel.

Item no.	Range	Resolution	Jaw length
10238140	0 - 150 mm	0,01 mm	40 mm
10238500	Battery 1,55 V (SR44W)		



### DIGITAL SCRIBER CALIPER

Facilitate fine scribing on workpieces with carbide jaws.

Item no.	Range	Resolution	Accuracy	Jaw length
10238300	0 - 150 mm	0,01 mm	0,03 mm	40/30 mm
10238500	Battery SR44W 1,55V			



ART. 10238250

### DIGITAL CALIPER

HOLD function, ABS, auto on/off, switch mm/inch. Battery: 1 pc. 3V (CR2032). ART. 10238250 with preset function for internal measurement.

Item no.	Range	Resolution	Jaw length
10238245	0 - 200 mm	0,01 mm	90 mm
10238250	0 - 300 mm	0,01 mm	150 mm



### DIGITAL CALIPER WITH KNIFE EDGE JAWS

Suitable for measuring small items, manual on/off, zero setting, switch mm/ inches, flat depth gauge.

Item no.	Range	Resolution	Jaw length
10238125	0 - 150 mm	0,01 mm	40 mm
10238500	Battery 1,55V (SR44W)		





### SPECIAL DIGITAL CALIPER WITH DATA OUTPUT FOR INSIDE GROOVE

DIN862, manual on/off, zero setting, mm/inch conversion.  
Jaw tip length (B): 4,0 mm. Jaw tip thickness mm (C): 1,0 mm.

Item no.	Range	Resolution	Jaw length
10238225	8 - 200 mm	0,01 mm	30 mm
10238500	Battery 1,55 V (SR44W)		



ART. 10238155



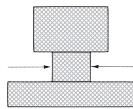
ART. 10238170



ART. 10238185

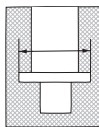
### DIGITAL CALIPER FOR EXTERNAL GROOVES

Manual on/off, zero setting, mm/inches conversion.



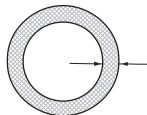
### DIGITAL CALIPER FOR INTERNAL GROOVES

Manual on/off, zero setting, mm/inches conversion.



### DIGITAL CALIPER FOR MEASURING OF WALL THICKNESS

Manual on/off, zero setting, mm/inches conversion.



Item no.	Range	Resolution	Jaw length	Insert	Insert length
10238155	0 - 200 mm	0,01 mm	44 mm	2,0 mm	5,0 mm
10238170	25 - 150 (int.) mm	0,01 mm	44 mm	2,0 mm	2,0 mm
10238185	0 - 200 mm	0,01 mm	40 mm	3,0 mm	28 mm
10238500	Battery 1,55 V (SR44W)				



### DIGITAL CALIPER IN CARBON FIBER

Auto on/off, zero setting, switch mm/inches.  
Very light. Unaffected by magnetism or electricity.

Item no.	Range	Resolution	Jaw length	Depth
10240100	0 - 100 mm	0,01 mm	30 mm	-
10240150	0 - 150 mm	0,01 mm	40 mm	Flat
10238500	Battery SR44W 1,55 V			



### DIGITAL CALIPER 18-200 MM FOR INTERNAL MEASURING (KNIFE-EDGE JAWS)

Specially designed for taking measurements in hard-to-reach places.  
With long, narrow jaws. Jaw length: 75 mm.

Item no.	Range	Resolution	Accuracy	Jaw length
10238285	18 - 200 mm	0,01 mm	+/- 0,06 mm	75 mm
10238500	Battery 1,55V (SR44W)			



### DIGITAL CALIPER W. WIDE JAWS

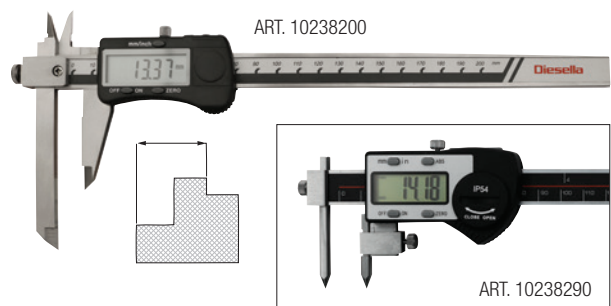
For meas. of wire/cables or thickness of rubber/sponge. Battery: 1,55V.

Item no.	Range	Resolution	Accuracy	Jaw length	Jaw face dimension
10238215	0 - 150 mm	0,01 mm	0,03 mm	40 mm	20 x 30 mm
10238220	0 - 200 mm	0,01 mm	0,04 mm	50 mm	30 x 40 mm



### DIGITAL CALIPER FOR API RING JOINT GROOVES

Item no.	Range	Resolution	Accuracy
10238230	0 - 300 mm	0,01 mm	0,03 mm
10238500	Battery 1,55 V (SR44W)		



ART. 10238200

ART. 10238290

### DIGITAL CALIPER WITH ADJUSTABLE JAW

ABS, manual on/off, zero setting, switch mm/inches. Accuracy:  $\pm 0.04$   
ART. 10238200: Adj. jaw: 120x10 mm (15-80 mm). Fixed jaw length: 50 mm.  
ART. 10238290: Jaws length: 36 mm. Dimension: 5x4 mm.

Item no.	Range	Resolution
10238200	0 - 200 mm	0,01 mm
10238290	0 - 200 mm	0,01 mm



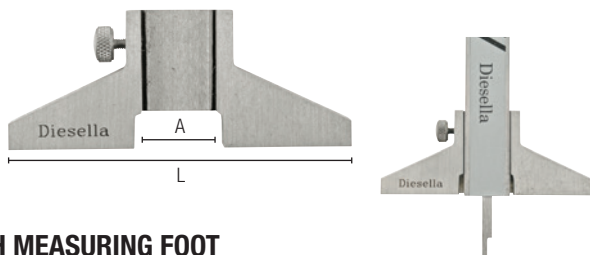


### DIGITAL CALIPER FOR BRAKEDISCS

Chrome plated, zero setting, HOLD function.

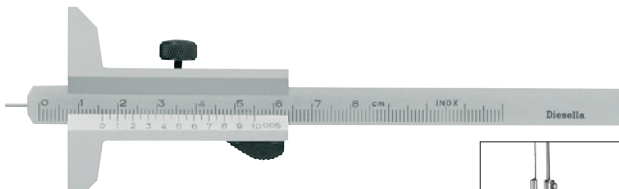
Battery: 1,55V SR44W

Item no.	Range	Resolution	Jaw length
10235060	0 - 60 mm	0,01 mm	54 mm
10235125	0 - 125 mm	0,01 mm	93 mm



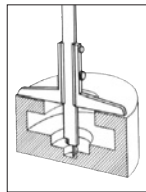
### DEPTH MEASURING FOOT

Item no.	Length of foot (L)	Width groove (A)	Width of foot
10238240	75 mm	16,05 mm	6 mm



### DEPTH GAUGE WITH FIXED MEASURING POINT

Chrome plated. Insert:  $\varnothing 1 \times 5,50$  mm.

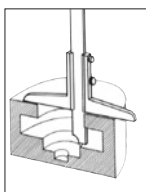


Item no.	Range	Resolution	Length of base
10320080	0 - 80 mm	0,05 mm	50 mm



### DEPTH GAUGE, STANDARD TYPE

Stainless steel and hardened, chrome plated.



Item no.	Range	Resolution	Length of base
10321200	0 - 200 mm	0,05 mm	100 mm
10321500	0 - 500 mm	0,02 mm	100 mm



### DEPTH GAUGE WITH REMOVABLE HOOK

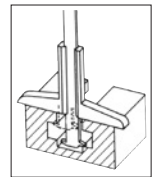
Stainless steel and hardened, chrome plated.

Item no.	Range	Resolution	Length of base
10322200	0 - 200 mm	0,02 mm	100 mm
10322500	0 - 500 mm	0,02 mm	150 mm



### DEPTH GAUGE WITH DOUBLE HOOK

Stainless steel and hardened, straight and reversible beam, chrome plated.



Item no.	Range	Resolution	Length of base
10323200	0 - 200 mm	0,05 mm	100 mm



### DIGITAL DEPTH GAUGE

Stainless steel and hardened, switch mm/inch, zero setting.

Item no.	Range	Resolution	Length of base
10324200	0 - 200 mm	0,01 mm	100 mm
10324500	0 - 500 mm	0,01 mm	120 mm
10238500		Battery SR44W 1,55 V	

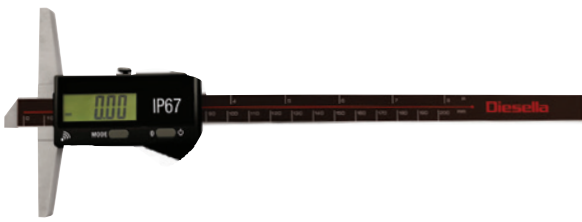


### IP54 DIGITAL DEPTH GAUGE WITH MINI-USB

Stainless steel and hardened, switch mm/inch, ABS, zero setting.

Item no.	Range	Resolution	Length of base
10324610	0 - 150 mm	0,01 mm	100 mm
10324625	0 - 200 mm	0,01 mm	100 mm
10324640	0 - 300 mm	0,01 mm	100 mm





### IP67 DIGITAL DEPTH GAUGE

Stainless steel and hardened, switch mm/inch, zero setting.

Item no.	Range	Resolution	Length of base	Bluetooth
10324720	0 - 150 mm	0,01 mm	100 mm	No
10324735	0 - 200 mm	0,01 mm	100 mm	No
10324750	0 - 300 mm	0,01 mm	100 mm	No
10324765	0 - 150 mm	0,01 mm	100 mm	Yes
10324780	0 - 200 mm	0,01 mm	100 mm	Yes
10324795	0 - 300 mm	0,01 mm	100 mm	Yes



### DIGITAL DEPTH CALIPER, ALUMINUM

Top quality produced in EU. Bridge of stainless steel, hardened. Sylvac electronic. Locking screw. Werksnorm.

Item no.	Range	Resolution	Length of base	Weight
10323400	0 - 500 mm	0,01 mm	200 mm	1,4 kg
10323405	0 - 500 mm	0,01 mm	300 mm	1,7 kg
10323410	0 - 500 mm	0,01 mm	500 mm	2,1 kg
10323415	0 - 800 mm	0,01 mm	200 mm	1,7 kg
10323420	0 - 800 mm	0,01 mm	300 mm	1,9 kg
10323425	0 - 800 mm	0,01 mm	500 mm	2,3 kg
10323430	0 - 1000 mm	0,01 mm	200 mm	1,8 kg
10323435	0 - 1000 mm	0,01 mm	300 mm	2,0 kg
10323440	0 - 1000 mm	0,01 mm	500 mm	2,5 kg
10323445	0 - 1500 mm	0,01 mm	200 mm	2,1 kg
10323450	0 - 1500 mm	0,01 mm	300 mm	2,3 kg
10323455	0 - 1500 mm	0,01 mm	500 mm	2,8 kg
10323460	0 - 2000 mm	0,01 mm	200 mm	2,2 kg
10323465	0 - 2000 mm	0,01 mm	300 mm	2,5 kg
10323470	0 - 2000 mm	0,01 mm	500 mm	2,9 kg



### STRAIGHT EDGE BAR

For extension of the base on depth bridge.

Item no.	Width of hole	Length of base	Height
10324940	7 x 18 mm	300 mm	20 mm



### DIGITAL ADD-ON CALIPER GAUGE

Manual on/off, +/- adjusting, zero setting.

Item no.	Display position	Range	Resolution
10327810	Horizontal	0 - 500 mm	0,01 mm
10327845	Horizontal	0 - 1000 mm	0,01 mm
10328915	Vertical	0 - 500 mm	0,01 mm
10328950	Vertical	0 - 1000 mm	0,01 mm
Battery		1,55V SR44W	



### DEPTH CALIPER, ALUMINUM

Top quality produced in EU, scale and nonius in aluminum. Bridge of stainless steel, hardened. Nonius: 1/20 mm. Locking screw. Werksnorm.

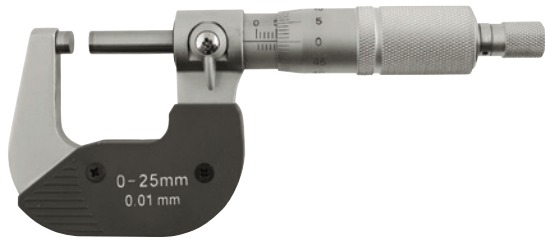
Item no.	Range	Resolution	Bridge length	Weight
10323300	0 - 500 mm	0,01 mm	200 mm	1,1 kg
10323305	0 - 500 mm	0,01 mm	300 mm	1,3 kg
10323310	0 - 500 mm	0,01 mm	500 mm	1,8 kg
10323315	0 - 800 mm	0,01 mm	200 mm	1,3 kg
10323320	0 - 800 mm	0,01 mm	300 mm	1,5 kg
10323325	0 - 800 mm	0,01 mm	500 mm	1,9 kg
10323330	0 - 1000 mm	0,01 mm	200 mm	1,4 kg
10323335	0 - 1000 mm	0,01 mm	300 mm	1,6 kg
10323340	0 - 1000 mm	0,01 mm	500 mm	2,1 kg
10323345	0 - 1500 mm	0,01 mm	200 mm	1,7 kg
10323350	0 - 1500 mm	0,01 mm	300 mm	1,9 kg
10323355	0 - 1500 mm	0,01 mm	500 mm	2,3 kg
10323360	0 - 2000 mm	0,01 mm	200 mm	1,9 kg
10323365	0 - 2000 mm	0,01 mm	300 mm	2,2 kg
10323370	0 - 2000 mm	0,01 mm	500 mm	2,6 kg



### MEASURING STANDARDS

DINjs2.

Item no.	Range
10260025	25 mm
10260050	50 mm
10260075	75 mm
10260100	100 mm
10260125	125 mm
10260150	150 mm
10260175	175 mm
10260200	200 mm
10260225	225 mm
10260250	250 mm
10260275	275 mm
10260300	300 mm
10260325	325 mm
10260350	350 mm
10260375	375 mm



### OUTSIDE MICROMETER (0 - 200 MM)

DIN863, tungsten carbide tips. Incl. setting standards from 25 mm.

Item no.	Range	Resolution
10250025	0 - 25 mm	0,01 mm
10250050	25 - 50 mm	0,01 mm
10250075	50 - 75 mm	0,01 mm
10250100	75 - 100 mm	0,01 mm
10250125	100 - 125 mm	0,01 mm
10250150	125 - 150 mm	0,01 mm
10250175	150 - 175 mm	0,01 mm
10250200	175 - 200 mm	0,01 mm



### OUTSIDE MICROMETER (200 - 300 MM)

DIN863, tungsten carbide tips. Incl. setting standards.

Item no.	Range	Resolution
10251225	200 - 225 mm	0,01 mm
10251250	225 - 250 mm	0,01 mm
10251275	250 - 275 mm	0,01 mm
10251300	275 - 300 mm	0,01 mm



### OUTSIDE MICROMETER (300 - 1000 MM)

DIN863, tungsten carbide tips.

Incl. setting standards, with interchangeable anvils.

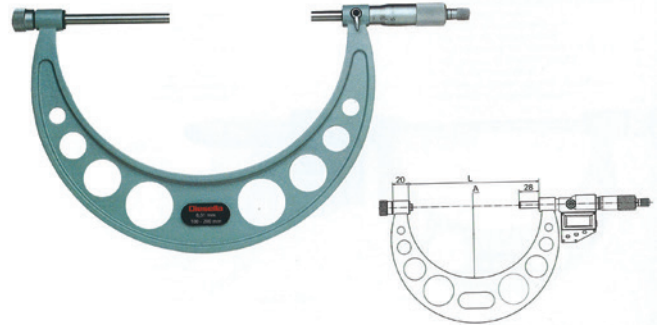
Item no.	Range	Measuring standards	Resolution
10252425	300 - 400 mm	325 + 375 mm	0,01 mm
10252450	400 - 500 mm	425 + 475 mm	0,01 mm
10252475	500 - 600 mm	525 + 575 mm	0,01 mm
10252500	600 - 700 mm	625 + 675 mm	0,01 mm
10252525	700 - 800 mm	725 + 775 mm	0,01 mm
10252550	800 - 900 mm	825 + 875 mm	0,01 mm
10252575	900 - 1000 mm	925 + 975 mm	0,01 mm



### MICROMETER, RESOLUTION 0,001 MM

DIN863, tungsten carbide tips. Incl. setting standard from 25 mm.

Item no.	Range	Resolution
10256025	0 - 25 mm	0,001 mm
10256050	25 - 50 mm	0,001 mm
10256075	50 - 75 mm	0,001 mm
10256100	75 - 100 mm	0,001 mm



### MICROMETER WITH INTERCHANGEABLE ANVILS

DIN863, tungsten carbide tips. With interchangeable anvils.

Incl. setting standards.

Item no.	Range	Resolution	Accuracy	L	A
10252610	0 - 100 mm	0,01 mm	0,005 mm	100 mm	60 mm
10252620	100 - 200 mm	0,01 mm	0,007 mm	200 mm	115 mm
10252630	200 - 300 mm	0,01 mm	0,009 mm	300 mm	165 mm
10252640	300 - 400 mm	0,01 mm	0,011 mm	400 mm	235 mm



### OUTSIDE MICROMETERS IN SET

DIN863, tungsten carbide tips.

Incl. setting standards from 25 mm.

Item no.	Range	Resolution	No. of micrometers
10253100	0 - 100 mm	0,01 mm	4
10253150	0 - 150 mm	0,01 mm	6
10253300	0 - 300 mm	0,01 mm	12





### MICROMETER WITH POINTED MEASURING FACES

Clear graduations on satin chrome finish scale. Hardened spindle with hardened measuring tips of hard metal. Frame is fitted with heat shields.

Item no.	Range	Resolution
10257025	0 - 25 mm	0,01 mm
10257050	25 - 50 mm	0,01 mm



ART. 10259025

### TUBE MICROMETERS

Matt chromium-plated scale. Hardened spindle w/ meas. face of hard metal.

### DISC MICROMETER

Clear graduations on satin chrome finish, frame is fitted with heat shields. For measuring the root tangent length of spur and helical gears etc.

Item no.	Range	Resolution
10258025	0 - 25 mm	0,01 mm
10258050	25 - 50 mm	0,01 mm
10258075	50 - 75 mm	0,01 mm
10258100	75 - 100 mm	0,01 mm
10259025	0 - 25 mm	0,01 mm



### IP54 DIGITAL DEPTH MICROMETER

6 extensions included.

Item no.	Range	Resolution	Insert dia.	Length of base
10267150	0 - 150 mm	0,01 mm	4,49 mm	100 mm



### DEPTH MICROMETER

DIN863/1, chrome plated, 6 extensions included:

- 1 pcs. 0 - 25 mm    1 pcs. 75 - 100 mm
- 1 pcs. 25 - 50 mm    1 pcs. 100 - 125 mm
- 1 pcs. 50 - 75 mm    1 pcs. 125 - 150 mm

Item no.	Range	Resolution	Insert dia.	Length of base
10262150	0 - 150 mm	0,01 mm	4,49 mm	100 mm



### DIGITAL MICROMETER IP65

DIN863. Dust/Water protection according to IP65 Level. The micrometer features automatic power off, mm/inch conversion, zero-setting, data hold, origin-set, ABS, standard bar - except for 0-25 mm/0-1" model.

Item no.	Range	Resolution
10265025	0 - 25 mm	0,001 mm
10265050	25 - 50 mm	0,001 mm
10265075	50 - 75 mm	0,001 mm
10265100	75 - 100 mm	0,001 mm
10238530	Battery lithium 3V (CR2032)	



### OUTSIDE DIGITAL MICROMETER

The micrometer complies with DIN 863. The micrometer features automatic power off, mm/inch conversion, zero setting, data hold, ABS, standard bar - except for 0-25mm/0-1" model.

Item no.	Range	Resolution
10266025	0 - 25 mm	0,001 mm
10266050	25 - 50 mm	0,001 mm
10266075	50 - 75 mm	0,001 mm
10266100	75 - 100 mm	0,001 mm
10266125	100 - 125 mm	0,001 mm
10266150	125 - 150 mm	0,001 mm
10266175	150 - 175 mm	0,001 mm
10266200	175 - 200 mm	0,001 mm
10238530	Battery lithium 3V (CR2032)	



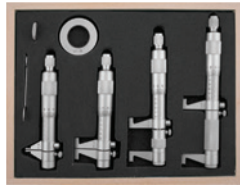
### IP65 DIGITAL MICROMETER

DIN863, tungsten carbide tips. Incl. measuring standards. With digital display.

Item no.	Range	Resolution	Accuracy
10265125	100 - 125 mm	0,001 mm	± 0,003 mm
10265150	125 - 150 mm	0,001 mm	± 0,003 mm
10265175	150 - 175 mm	0,001 mm	± 0,004 mm
10265200	170 - 200 mm	0,001 mm	± 0,004 mm
10265225	200 - 225 mm	0,001 mm	± 0,004 mm
10265250	225 - 250 mm	0,001 mm	± 0,004 mm
10265275	250 - 275 mm	0,001 mm	± 0,005 mm
10265300	275 - 300 mm	0,001 mm	± 0,005 mm



ART. 10270050



ART. 10270565 delivered as set

## INSIDE MICROMETERS

DIN863, tungsten carbide tips. Resolution: 0,01 mm

Item no.	Range	Contact point L x W	Incl. setting rings
10270030	5 - 300 mm	3 x 3,7 mm	Yes
10270050	25 - 50 mm	6 x 3,7 mm	Yes
10270075	50 - 75 mm	6 x 3,7 mm	No
10270100	75 - 100 mm	6 x 3,7 mm	No
10270565	5 - 100 mm	3 x 3,7 + 6 x 3,7	Yes (5 + 25 mm)



## TUBULAR INSIDE MICROMETERS

DIN863, tungsten carbide tips. Incl. measuring standard 50 mm. Sets in the same series can be combined.

Item no.	Range	Resolution
10272250	50 - 250 mm	0,01 mm
10272600	50 - 600 mm	0,01 mm
10272650	50 - 1000 mm	0,01 mm



## MICROMETER HEAD

DIN863, tungsten carbide tips, shaft diameter Ø12,70 mm

Item no.	Range	Resolution
10263425	0 - 25 mm	0,01 mm



## MICROMETER STAND

Rubber surfaced jaws. Excl. micrometer.

Item no.
10261235

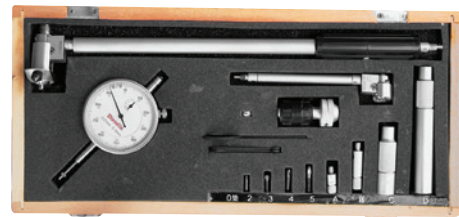


## BORE GAUGE

Hard metal measuring points. The springs center foot ensure good fixation. Incl. Diesella dial gauge 0 - 3 mm x 0,01.

Digital indicators can also be used (look at p. 20).

Item no.	Range	Resolution	Extertnation	Depth
10273410	6 - 10 mm	0,01 mm	9	40 mm
10273420	10 - 18 mm	0,01 mm	9	100 mm
10273430	18 - 35 mm	0,01 mm	9	135 mm
10273440	35 - 50 mm	0,01 mm	3	150 mm
10273450	50 - 160 mm	0,01 mm	5 + 1	150 mm
10273460	160 - 250 mm	0,01 mm	5	250 mm
10273470	250 - 450 mm	0,01 mm	5 + 1	250 mm
10273480	400 - 800 mm	0,01 mm	5 + 4	400 mm



## 2-POINT CYLINDER BORE GAUGE

Incl. dial indicator 0-3 mm, fitted with tungsten carbide balls, for clamping shaft Ø8 H6. Digital indicators also fit this bore gauge. (look at p. 23)

Depth Ø20 - 50 mm: 105 mm

Depth Ø50 - 200 mm: 290 mm

Item no.	Range	Resolution
10273200	20 - 200 mm	0,01 mm



## TELESCOPING GAUGE

For inside measuring. The telescoping gauge set features spring loaded, self centering plungers and twist knobs for measurement locking. Vinyl carrying case included for easy transport and storage.

Item no.	Range	Pcs. in set
10274150	8 - 150 mm	6





### INTERNAL 3-POINT MICROMETER (EXCL. SETTING RING)

Jaw tip: Carbide tipped. Resolution from 8-10 mm: 0,001 mm.  
Resolution from 12 - 300 mm: 0,005 mm.

Item no.	Range	Accuracy	Meas. depth	Extension
10279008	6 - 8 mm	± 0,002	20 mm	100 mm (accessory)
10279010	8 - 10 mm	± 0,002	50 mm	100 mm (accessory)
10279012	10 - 12 mm	± 0,002	50 mm	100 mm (accessory)
10279017	12 - 16 mm	± 0,002	60 mm	150 mm (accessory)
10279020	16 - 20 mm	± 0,002	60 mm	150 mm (accessory)
10279025	20 - 25 mm	± 0,002	80 mm	150 mm (accessory)
10279030	25 - 30 mm	± 0,002	80 mm	150 mm (accessory)
10279035	30 - 35 mm	± 0,002	80 mm	150 mm (accessory)
10279040	35 - 40 mm	± 0,002	80 mm	150 mm (accessory)
10279050	40 - 50 mm	± 0,003	90 mm	150 mm (accessory)
10279060	50 - 60 mm	± 0,003	90 mm	150 mm (accessory)
10279070	60 - 70 mm	± 0,003	90 mm	150 mm (accessory)
10279080	70 - 80 mm	± 0,003	90 mm	150 mm (accessory)
10279090	80 - 90 mm	± 0,003	90 mm	150 mm (accessory)
10279100	90 - 100 mm	± 0,003	90 mm	150 mm (accessory)
10279125	100 - 125 mm	± 0,005	140 mm	Not possible
10279150	125 - 150 mm	± 0,005	140 mm	Not possible
10279175	150 - 175 mm	± 0,005	140 mm	Not possible
10279200	175 - 200 mm	± 0,005	140 mm	Not possible
10279225	200 - 225 mm	± 0,010	140 mm	Not possible
10279250	225 - 250 mm	± 0,010	140 mm	Not possible
10279275	250 - 275 mm	± 0,010	140 mm	Not possible
10279300	275 - 300 mm	± 0,010	140 mm	Not possible
10279700			Extender 100 mm for 6 - 12 mm	
10279710			Extender 150 mm for 12 - 20 mm	
10279720			Extender 150 mm for 20 - 40 mm	
10279730			Extender 150 mm for 40 - 100 mm	



### SETTING RING FOR 3-POINT MICROMETERS

DIN2250, for calibration of internal micrometers.

Item no.	Size Ø
10283115	4 mm
10283120	5,5 mm
10283122	6 mm
10283125	8 mm
10283130	10 mm
10283135	11 mm
10283137	13 mm
10283140	16 mm
10283145	17 mm
10283150	25 mm
10283153	30 mm
10283155	35 mm
10283160	50 mm
10283165	60 mm
10283170	70 mm
10283175	80 mm
10283180	90 mm
10283185	100 mm
10283190	125 mm
10283195	175 mm
10283200	225 mm
10283205	275 mm



### INTERNAL 3-POINT MICROMETER (INCL. SETTING RING)

Resolution from 6 - 12 mm: 0,001 mm. (Extension: 1 pc. 100 mm).  
Resolution from 12 - 100 mm: 0,005 mm. (Extension: 1 pc. 150 mm)

Item no.	Range	Accuracy	Measuring depth	Micrometer per set	Setting rings per set
10279510	6 - 12 mm	+/- 0,002	20 mm	3	2 (8+10)
10279525	12 - 20 mm	+/- 0,002	60 mm	2	1 (16 mm)
10279540	20 - 40 mm	+/- 0,002	80 mm	4	2 (25-35)
10279555	40 - 100 mm	+/- 0,003	90 mm	6	3 (50+70+90)



### RADIO CONTROLLED WALL CLOCK

The clock receives the signal from an international transmitter from which the official time is transmitted in a coded signal once every minute, 24 hours a day. Uses 1 x AA battery (not included).

Item no.	Ø diameter
21315430	30 cm
21315440	40 cm



ART. 10470200

ART. 10470205



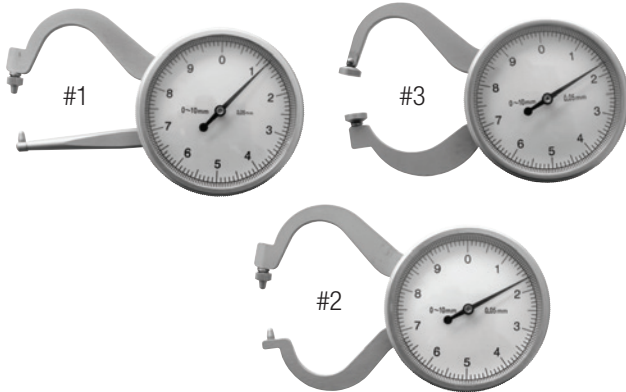
ART. 10470210



### POCKET THICKNESS GAUGE

This thickness gauge is perfectly designed for carrying convenience and ideally suited for quick inspection of paper, leather, wire, plastic, sheet metal etc

Item no.	Range	Resolution
10470200	0 - 10 mm	0,01 mm
10470205	0 - 10 mm	0,01 mm
10470210	0 - 10 mm	0,01 mm



### THICKNESS GAUGE

Used for measuring of sheet thickness, pipe thickness etc. Packed in plastic box.

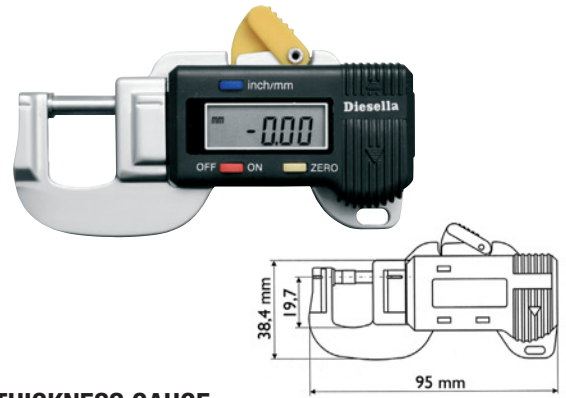
Item no.	Model	Range	Resolution	Accuracy
10470410	1	0 - 10 mm	0,05 mm	0,1 mm
10470425	2	0 - 10 mm	0,05 mm	0,1 mm
10470440	3	0 - 10 mm	0,05 mm	0,1 mm



### DIGITAL RECTANGLE INDICATOR

Manual power on/off, metric/inch system interchange, zero setting.

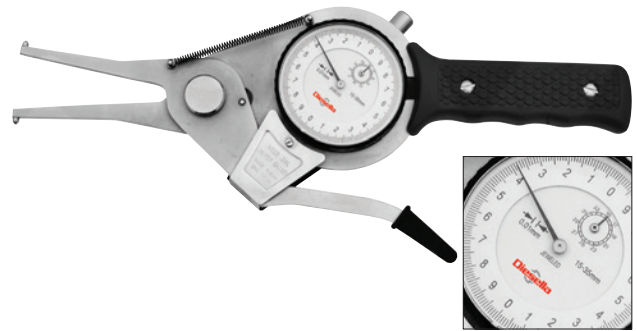
Item no.	Range	Resolution
10362130	0 - 35 mm	0,01 mm
10238500	Battery SR44W 1,55 V	



### DIGITAL THICKNESS GAUGE

Switch mm/inches, for measuring on paper, fabric, etc., uniformly measuring pressure, zero setting.

Item no.	Range	Resolution
10473012	0 - 14 mm	0,01 mm
10238500	Battery SR44W 1,55 V	



### 2-POINT INSIDE DIAL GAUGE

Item no.	Range	Resolution	Pins, dia. x L	Depth
10351610	15 - 35 mm	0,01 mm	3 x 3 mm	50 mm
10351620	35 - 55 mm	0,01 mm	3 x 6 mm	80 mm
10351630	55 - 75 mm	0,01 mm	3 x 8 mm	90 mm
10351640	75 - 95 mm	0,01 mm	3 x 8 mm	100 mm



### CRANKSHAFT GAUGE

Supplied with dial gauge and measuring inserts in a box. Diameter indicator: Ø35 mm

Item no.	Range	Resolution	Range/per. round on gauge
10333560	60 - 500 mm	0,01 mm	0 - 3 mm / 0,5 mm
10333565	60 - 500 mm	0,01 mm	0 - 3 mm / 1,0 mm





We have been chosen as agent for BOWERS - one of the worlds leading manufacturers of measuring tools. The product are of the highest quality with primary focus on internal measurement, both analogue and digital.



**UNIVERSAL GAUGE**  
From 0 - 3000 mm. Type TGU.  
Constant measuring force.



**SMARTPLUGS**  
Quick measuring. Type SMP.



**MICROGAUGE 2-POINT**  
From 0,95 - 10,35 mm. Type MG.

Above are shown 3 examples of products we can deliver at short notice. See more on our website [www.diesella.dk](http://www.diesella.dk)

## ANALOGUE 3-POINT MICROMETER

### BOWERS ANALOGUE BORE GAUGE

An economical solution to accurate shop-floor bore measurement. The extended mechanical travel of these advanced 2- or 3-point gauges ensures that exchanging measuring anvils is now unnecessary. Their wide application range, 2-300 mm, rugged construction and easy read scale, ensures both accuracy and ease of use. From 2 - 6 mm = 2-point.

Incl. setting rings.



Item no.	BOWERS no.	Range	Accuracy	Depth	Setting rings
12125001	MXTA1M	2 - 2,5 mm	0,004 mm	9 mm	2,50 mm
12125002	MXTA2M	2,5 - 3 mm	0,004 mm	9 mm	2,50 mm
12125003	MXTA3M	3 - 4 mm	0,004 mm	12 mm	4,00 mm
12125004	MXTA4M	4 - 5 mm	0,004 mm	18 mm	4,00 mm
12125005	MXTA5M	5 - 6 mm	0,004 mm	18 mm	5,00 mm
12125006	MXTA6M	6 - 8 mm	0,004 mm	58 mm	8,00 mm
12125008	MXTA8M	8 - 10 mm	0,004 mm	58 mm	8,00 mm
12125010	MXTA10M	10 - 12,5 mm	0,004 mm	58 mm	12,50 mm
12125012	MXTA12M	12,5 - 16 mm	0,004 mm	62 mm	12,50 mm
12125016	MXTA16M	16 - 20 mm	0,004 mm	62 mm	20,00 mm
12125020	XTA20M	20 - 25 mm	0,004 mm	66 mm	20 mm
12125025	XTA25M	25 - 35 mm	0,004 mm	66 mm	35 mm
12125035	XTA35M	35 - 50 mm	0,004 mm	80 mm	35 mm
12125050	XTA50M	50 - 65 mm	0,005 mm	80 mm	65 mm
12125065	XTA65M	65 - 80 mm	0,005 mm	80 mm	65 mm
12125080	XTA80M	80 - 100 mm	0,005 mm	100 mm	80 mm
12125100	XTA100M	100 - 125 mm	0,006 mm	115 mm	125 mm
12125125	XTA125M	125 - 150 mm	0,006 mm	115 mm	125 mm
12125150	XTA150M	150 - 175 mm	0,007 mm	115 mm	175 mm
12125175	XTA175M	175 - 200 mm	0,007 mm	115 mm	175 mm



### BOWERS ANALOGUE BORE GAUGE SET

Supplied with individual instrument, setting rings and UKAS certificate.

Item no.	BOWERS no.	Range	Meas. heads	Setting rings
12125410	SMXTA1M	2 - 3 mm	2	1
12125420	SMXTA2M	3 - 6 mm	3	2
12125430	SMXTA3M	6 - 10 mm	2	1
12125440	SMXTA4M	10 - 20 mm	3	2
12125450	SXTA5M	20 - 50 mm	3	2
12125460	SXTA6M	50 - 100 mm	3	2
12125470	SXTA7M	100 - 150 mm	2	1
12125480	SXTA8M	150 - 200 mm	2	1

# DIGITAL 3-PUNKTS MICROMETER

## BOWERS XT3 DIGITAL BORE GAUGE

Offers a new ergonomic design, including a larger and clearer LCD display, along with the IP67 electronics protection. The extended mechanical travel of the XT range means that special heads can be manufactured to accommodate users most awkward measuring problems.



Can also be delivered with



Item no.	BOWERS no.	Range	Accuracy	Depth	Setting rings
12126106	XTD6M-XT3	6 - 8 mm	0,004 mm	58 mm	8,00 mm
12126108	XTD8M-XT3	8 - 10 mm	0,004 mm	58 mm	8,00 mm
12126110	XTD10M-XT3	10 - 12,5 mm	0,004 mm	58 mm	12,50 mm
12126112	XTD12M-XT3	12,5 - 16 mm	0,004 mm	62 mm	12,50 mm
12126116	XTD16M-XT3	16 - 20 mm	0,004 mm	62 mm	20,00 mm
12126120	XTD20M-XT3	20 - 25 mm	0,004 mm	66 mm	20,00 mm
12126125	XTD25M-XT3	25 - 35 mm	0,004 mm	80 mm	35,00 mm
12126135	XTD35M-XT3	35 - 50 mm	0,005 mm	80 mm	35,00 mm
12126150	XTD50M-XT3	50 - 65 mm	0,005 mm	80 mm	65,00 mm
12126165	XTD65M-XT3	65 - 80 mm	0,005 mm	80 mm	65,00 mm
12216180	XTD80M-XT3	80 - 100 mm	0,005 mm	100 mm	80,00 mm
12216200	XTD100M-XT3	100 - 125 mm	0,006 mm	115 mm	125,00 mm

All items above are without bluetooth.



## BOWERS XT3 DIGITAL BORE GAUGE SET

One digital display, measuring heads and traceable UKAS certificate.

Item no.	BOWERS no.	Range	Meas. heads	Setting rings
12126510	SXTD3M-XT3	6 - 10 mm	2	1
12126520	SXTD4M-XT3	10 - 20 mm	3	2
12126530	SXTD4M-XT3	20 - 50 mm	3	2
12126540	SXTD5M-XT3	50 - 100 mm	3	2

# DIGITAL 3-POINT MICROMETER, PISTOL GRIP

## BOWERS XT3 DIGITAL MICROMETER

Offers a new ergonomic design, including a larger and clearer LCD display, along with the IP67 electronics protection. The extended mechanical travel of the XT range means that special heads can also be manufactured to accommodate users most awkward measuring problems.



Can also be delivered with



Item no.	BOWERS no.	Range	Accuracy	Depth	Setting rings
12127106	XTH6M-XT3	6 - 8 mm	0,004 mm	58 mm	8,00 mm
12127108	XTH8M-XT3	8 - 10 mm	0,004 mm	58 mm	8,00 mm
12127110	XTH10M-XT3	10 - 12,5 mm	0,004 mm	58 mm	12,50 mm
12127112	XTH12M-XT3	12,5 - 16 mm	0,004 mm	62 mm	12,50 mm
12127116	XTH16M-XT3	16 - 20 mm	0,004 mm	62 mm	20,00 mm
12127120	XTH20M-XT3	20 - 25 mm	0,004 mm	66 mm	20,00 mm
12127125	XTH25M-XT3	25 - 35 mm	0,004 mm	80 mm	35,00 mm
12127135	XTH35M-XT3	35 - 50 mm	0,004 mm	80 mm	35,00 mm
12127150	XTH50M-XT3	50 - 65 mm	0,005 mm	80 mm	65,00 mm
12127165	XTH65M-XT3	65 - 80 mm	0,005 mm	80 mm	65,00 mm
12127180	XTH80M-XT3	80 - 100 mm	0,005 mm	100 mm	80,00 mm
12127200	XTH100M-XT3	100 - 125 mm	0,006 mm	115 mm	125,00 mm

All items above are without bluetooth.



## BOWERS XT PISTOL GRIP BORE GAUGE SET

Supplied with digital pistol grip, heads, rings and UKAS certificate.

Item no.	BOWERS no.	Range	Meas. heads	Setting rings
12127510	SXTH3M-XT3	6 - 10 mm	5	1
12127520	SXTH4M-XT3	10 - 20 mm	2	2
12127530	SXTH4M-XT3	20 - 50 mm	3	1
12127540	SXTH5M-XT3	50 - 100 mm	3	2



### Bluetooth products

The SylvacBT Smart App, allow communication with BOWERS bluetooth smart instrument.

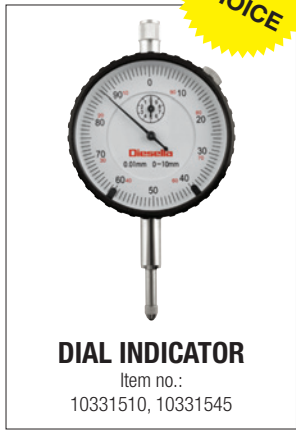




**FIRST CHOICE**



**DIAL INDICATOR**  
Item no.: 10330610



**DIAL INDICATOR**  
Item no.: 10331510, 10331545



**DOUBLE DIAL INDICATOR**  
Item no.: 10331625



**DIAL INDICATOR**  
Item no.: 10337100



**IP54 DIAL INDICATOR**  
Item no.: 10332525



**MY DIAL INDICATOR**  
Item no.: 10333550



**DIAL INDICATOR**  
Item no.: 10335430,  
10336550

Item no.	Range	Resolution	Ø	Scale	Flat	Central lug	Shaft
10330610	0 - 5 mm	0,01 mm	42 mm	0 - 100	X	-	Ø8 mm
10331510	0 - 10 mm	0,01 mm	56 mm	0 - 100	X	-	Ø8 mm
10331545	0 - 10 mm	0,01 mm	56 mm	0 - 100	-	X	Ø8 mm
10331625	0 - 10 mm	0,01 mm	58 mm	0 - 100	-	-	Ø8 mm
10332525	0 - 10 mm	0,01 mm	58 mm	0 - 100	X	-	Ø8 mm
10333550	± 0,50	0,001 mm	62 mm	± 0 - 50	X	-	Ø8 mm
10333601	0 - 1 mm	0,001 mm	56 mm	0 - 100	X	-	Ø8 mm
10335430	0 - 30 mm	0,01 mm	60 mm	0 - 100	X	X	Ø8 mm
10336550	0 - 50 mm	0,01 mm	80 mm	0 - 100	X	X	Ø8 mm
10337100	0 - 100 mm	0,01 mm	80 mm	0 - 100	-	X	Ø10 mm
10336600	0 - 10 mm	0,1 mm	60 mm	0 - 10	X	X	Ø8 mm
10336610	0 - 20 mm	0,1 mm	60 mm	0 - 10	X	X	Ø8 mm
10336620	0 - 30 mm	0,1 mm	60 mm	0 - 10	X	X	Ø8 mm

Item no.	Accessories
10340815	Insert Ø 2,5 mm ball M2,5
10340830	Insert Ø 10 mm plain - thread M2,5
10340845	Insert Ø 2,5 ceramic ball - thread M2,5
10340905	Back without central lug for dial indicator - Ø 56 (state no. of screw holes, 3 or 4)
10340920	Back without central lug for dial indicator Ø 50 with 4 screw holes for dial indicator
10340935	Back with central lug for indicator - Ø 56 (state no. of screw holes, 3 or 4)
10340965	Magnetic back for dial indicators - Ø 56 (state no. of screw holes, 3 eller 4)
10340950	Plunger retraction device for dial indicators (10/12,7 mm)





ART. 10356112  
ART. 10356125

ART. 10356312  
ART. 10356325

### DIGITAL DIAL INDICATOR WITH TOL AND ABS FUNCTION

Dial indicator can be used in conjunction with USB data capture that delivers all test results to the optional program at your workplace.

Accuracy:

ART. 10356112 / 10356125: 0,02 mm

ART. 10356312 / 10356325: 0,004 mm

Item no.	Range	Resolution	Ø dia.	Shaft
10356112	0 - 12,7 mm	0,01 mm	56 mm	Ø8 mm
10356125	0 - 25,4 mm	0,01 mm	56 mm	Ø8 mm
10356275	0 - 50 mm	0,01 mm	57 mm	Ø8 mm
10356312	0 - 12,7 mm	0,001 mm	56 mm	Ø8 mm
10356325	0 - 25,4 mm	0,001 mm	56 mm	Ø8 mm



### USB CONNECTOR FOR DATA COLLECTION

Compatibility with Microsoft Office:

Item no.	Compatible measuring tools
10356950	103561xx (indicator) / 103563xx (indicator) / 10356512 (digital radius indicator)

### DIGITAL INDICATOR WITH COLOUR DISPLAY

Metric/inch conversion, ABS/INC, TOL (tolerance), zero setting, data output, flat back + lug back.



**DIGITAL INDICATOR  
0-12,5 MM**

Item no.: 10355225



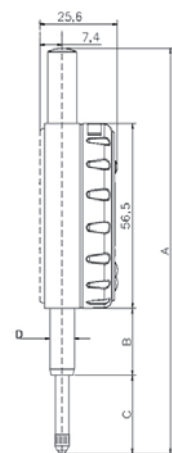
**DIGITAL INDICATOR  
0-12,5 (0,001 MM)**

Item no.: 10355235

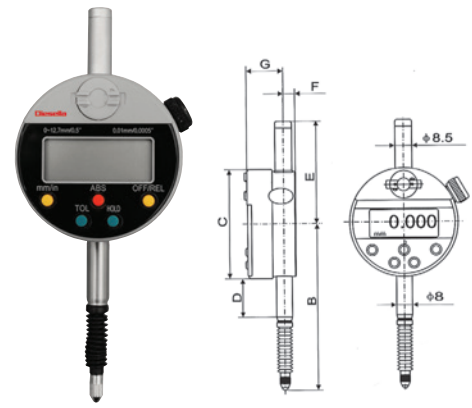


**DIGITAL INDICATOR  
0-25 MM**

Item no.: 10355250



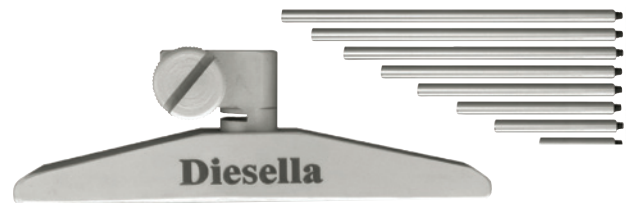
Item no.	Range	Ø	Resolution	Shaft Ø	A	B	C	D
10355225	0 - 12,5 mm	57 mm	0,01 mm	8 mm	213,5 mm	20,5 mm	24,0 mm	8,0 mm
10355235	0 - 12,5 mm	57 mm	0,001 mm	8 mm	123,5 mm	20,5 mm	24,0 mm	8,0 mm
10355250	0 - 25 mm	57 mm	0,01 mm	8 mm	151,0 mm	20,5 mm	34,0 mm	8,0 mm
10238515					Battery lithium 3V			



### DIGITAL INDICATOR DUST- AND WATERPROOF

Metric/inch interchange, data holding function, zero setting, data output. Flat back.

Item no.	Range	Ø	Resolution	Shaft Ø
10358212	0 - 12,7 mm	56 mm	0,01 mm	8 mm
10238500			Battery SR44W 1,55 V	



### BRIDGE AND EXTENSIONS FOR DIAL INDICATOR

Incl. 9 pcs. rods. Mounting hole 8 mm, dim. for bridge = 80 x 15 mm. Thread = M2,5

Item no. / length	10 mm	20 mm	30 mm	40 mm	50 mm	60 mm	70 mm	80 mm	90 mm
10350xxx	410	420	430	440	450	460	470	480	490
10350515	Set consist of one of each extensions								
10349210	Set consist of one of each extensions + bridge								

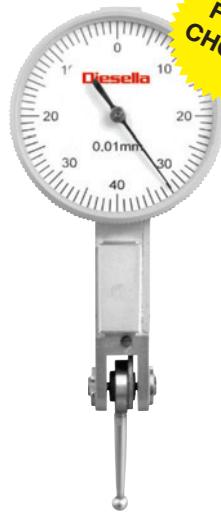




### DIGITAL DIAL TEST INDICATOR

Arm length: 21/26 mm  
 Shaft: 4 mm + 8 mm  
 incl. 3 x dovetail mounting, mm/inch,  
 zero setting, ± tolerances.

Item no.: 10372225 / 10372250



### DIAL TEST INDICATOR

Arm length: 16 mm  
 Shaft: 4 mm + 8 mm  
 incl. 3 x dovetail mounting

Item no.: 10370016



### DIAL TEST INDICATOR

Arm length: 25 mm  
 Shaft: Ø6 + 8 mm  
 incl. 3 x dovetail mounting

Item no.: 10370025



### DIAL TEST INDICATOR, EXTRA LONG LEVER ARM

Item no.: 10370320



### DIAL TEST INDICATOR, DIAL ANGLED 20°

Item no.: 10370335



### DIAL TEST INDICATOR, HORIZONTAL DIAL

Item no.: 10370350

Item no.	Range	Scale	Resolution	Diameter Ø	Insert length
10372225	0 - 1 mm	0 - 50 - 0	0,01 mm	50 mm	26 mm
10372250	0 - 1 mm	0 - 50 - 0	0,001 mm	50 mm	16 mm
10370016	0 - 0,8 mm	0 - 40 - 0	0,01 mm	32 mm	16 mm
10370025	0 - 0,8 mm	0 - 40 - 0	0,01 mm	32 mm	25 mm
10370320	0 - 0,8 mm	0 - 40 - 0	0,01 mm	32 mm	46 mm
10370335	0 - 0,8 mm	0 - 40 - 0	0,01 mm	32 mm	16 mm
10370350	0 - 0,8 mm	0 - 40 - 0	0,01 mm	32 mm	16 mm



Item no.	Range
10370160	Insert length 16 mm (ball Ø 2,5 mm)
10370250	Insert length 25 mm (ball Ø 2,1 mm)
10370255	Insert length 45 mm for 10370320
10372570	Insert length 21 mm for 10372225
10372575	Insert length 16 mm for 10372250
10238500	Battery SR44W 1,55 V



### CENTERHOLDER FOR DIAL TEST INDICATOR

Shaft Ø 8 mm. Black burnished, clamping point for fixing shank Ø4 mm.

Item no.	Length	Material
10375420	55 mm	Steel



ART. 92271845

### MAGNETIC STAND 80 KG INCL. DIAL INDICATOR 0-10 MM

Consist of item no.:  
10380800 and dial indicator 10331545



ART. 10380800 / 10380825

### MAGNETIC STAND 80 KG

With fine adjustment and M8 thread.  
Prismatic base and ground face backwards,  
on/off switch, indicator shank Ø8 mm.

10380800 (With fine adjustment)  
10380825 (Without fine adjustment)

Item no.	Base	Range of action	Column	Clamping force	Fine adjustment
10380800	65 x 55 x 50 mm	Ø 10 x 150 mm	Ø 12 x 175 mm	80 kg	Yes
10380825	65 x 55 x 50 mm	Ø 10 x 150 mm	Ø 12 x 175 mm	80 kg	No
92271845	65 x 55 x 50 mm	Ø 16 x 200 mm	Ø 12 x 175 mm	80 kg	Yes
10380910	Complete stand columns with fine adjust. Thread M8				
10380915	Complete stand columns without fine adjust. Thread M8				



### MAGNETIC STAND 130 KG

Base L x B x H: 117 x 50 x 55 mm  
Clamping force: 130 kg. Weight: 3,7 kg  
Supplied without dial gauge.

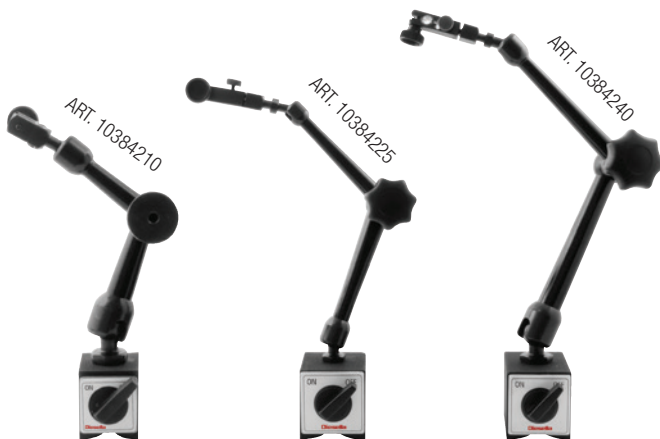
Item no.	Column length	Column diameter	Sub pole length	Sub pole diameter	Clamping hole
10380850	335 mm	Ø20 mm	210 mm	Ø14 mm	Ø6,5 / Ø8 mm



### MAGNETIC STANDS WITH MECHANICAL CLAMPING

With fine adjustment, prismatic base, mechanical joints, lock all joints at one time, on/off function for holding force, dovetail and 8 mm shank.

Item no.	Magnet LxHxW mm	Vertical (L1) arm length	Horizontal (L2) length	Clock holder	Holding force
10385105	65 x 55 x 50 mm	135 mm	115 mm	80 mm	80 kg
10385120	73 x 50 x 55 mm	200 mm	170 mm	80 mm	100 kg



### MAGNETIC STAND (MECHANICAL)

On/off function L = 155 mm (ART. 10384210)  
On/off function L = 290 mm (ART. 10384225)  
On/off function L = 380 mm (ART. 10384240)

Item no.	Base LxHxW mm	Arm-length	Holding force	Clamping hole	Weight
10384210	35 x 30 x 35 mm	155 mm	30 kg	Ø8 mm	0,4 kg
10384225	60 x 50 x 55 mm	290 mm	80 kg	Ø8 mm	1,4 kg
10384240	73 x 50 x 55 mm	380 mm	100 kg	Ø8 mm	1,8 kg



### MAGNETIC STAND 100 KG (M10)

Prismatic base, fineadjustment, locks all joints in one operation.  
On/off switch, shank Ø8 mm.

Item no.	Base LxHxW mm	Range of action	Column	Gevind
10385215	86 x 50 x 55 mm	200 mm	160 mm	M10



## NOGA MAGNETIC STANDS



ART. 10391210  
NF61003

ART. 10391320  
DG61003

ART. 10391430  
MG61003

ART. 10391470  
MA61003

ART. 10391221  
NF10403

ART. 10391331  
DA10503

ART. 10391441  
MG10503

Item no.	Thread in magnetic base	Magnetic base	Magnetic force	Lever indicator	Arm length	Total length	Weight
10391210	Ext. M5	55 mm	320 N	3/8", Ø6, Ø8, 1/4" dovetail	56 + 51 mm	178 mm	0,520 g
10391320	Ext. M8	50 x 60 x 55 mm	800 N	3/8", Ø6, Ø8, 1/4" dovetail	110 + 101 mm	282 mm	1,350 g
10391430	Ext. M8	50 x 60 x 55 mm	800 N	3/8", Ø6, Ø8, 1/4" dovetail	133 + 113 mm	317 mm	1,900 g
10391470	Ext. M10 x 1,25	50 x 120 x 55 mm	1300 N	3/8", Ø6, Ø8, 1/4" dovetail	286,5 + 222,5 mm	580 mm	5,100 g
10391221	Ext. M5	30 x 40 x 35 mm	320 N	3/8", Ø6, Ø8, 1/4" dovetail	56 + 51 mm	128,5 mm	0,520 g
10391331	Ext. M8	50 x 60 x 55 mm	800 N	3/8", Ø6, Ø8, 1/4" dovetail	110 + 101 mm	232,5 mm	1,400 g
10391441	Ext. M8	50 x 60 x 55 mm	800 N	3/8", Ø6, Ø8, 1/4" dovetail	133 + 113 mm	267,5 mm	1,900 g



ART. 10391342  
PH6400

ART. 10391452  
PH6600

ART. 10391482  
PH6800

ART. 10391342  
PH3100

ART. 10391452  
PH2040

ART. 10391482  
PH4016

## NOGA MAGNETIC STANDS

With fine adjust. indicator holder. Thread in magnetic base: Ext. M8.  
(ART. 10391482 - Ext. M10 x 1,25)

Item no.	Magnetic base	Magnetic force	Lever indicator	Arm length	Post height	Weight
10391342	50 x 60 x 55 mm	800 N	3/8", Ø6, Ø8, 1/4" dovetail	185 mm	203 mm	1,700 g
10391452	50 x 75 x 55 mm	1000 N	3/8", Ø6, Ø8, 1/4" dovetail	225 mm	260 mm	2,300 g
10391482	50 x 120 x 55 mm	1300 N	3/8", Ø6, Ø8, 1/4" dovetail	225 mm	350 mm	3,450 g

## NOGA MAGNETIC STANDS

With fine adjustment on base.

Item no.	Magnetic base	Magnetic force	Lever indicator	Arm length	Post height	Weight
10391353	30 x 40 x 35 mm	320 N	3/8", Ø6, Ø8, 1/4" dovetail	110 mm	120 mm	0,500 g
10391463	50 x 60 x 55 mm	800 N	3/8", Ø6, Ø8, 1/4" dovetail	185 mm	203 mm	1,700 g
10391493	50 x 70 x 55 mm	1000 N	3/8", Ø6, Ø8, 1/4" dovetail	225 mm	260 mm	2,450 g



## NOGA MAGNETIC STAND NF1030

With 360° fine adjustment.

Item no.	Magnetic base	Magnetic force	Lever indicator	Top arm length	Bottom arm length	Weight
10391232	16 x 60 x 32 mm	280 N	Ø8, 1/4" dovetail	51 mm	56 mm	0,545 g



ART. 10391575  
NF1015



ART. 10391580  
NF1022

## NOGA INDICATOR ARM

For centering of workpieces.

ART. 10391575 - Ø8 mm, 1/4" dovetail.

ART. 10391580 - 3/8", Ø6, Ø8 mm, 1/4" dovetail.

Item no.	Centering rod	Top arm length	Bottom arm length
10391575	M8 x 40 mm	56 mm	51 mm
10391580	M8 x 40 mm	56 mm	51 mm

## NOGA MAGNETIC STANDS ACCESSORIES

Magnets in 4 sizes - magnetic force 320 / 800 / 1000 / 1300 delivered with or without fine adjustment.

Vacuum base, for granite plans and non magnetic materials. Clamp in 2 sizes, with M10 x 1,25 and M8 x 1,25 thread internal or external.



TYPE 1

TYPE 2

TYPE 3

TYPE 4

TYPE 5

Item no	NOGA nr.	Type	Type	Weight	Magnetic force	Thread	Width (W)	Length (L)	Height (H)
10391610	NF0037	On/off magnet	1	0,230 kg	320N	M5	30 mm	40 mm	35 mm
10391615	NF3778	On/off magnet w/ fine adjust.	2	0,250 kg	320N	M5	30	40	35
10391620	DG0036	On/off magnet	1	1,000 kg	800N	M8	50	60	55
10391625	DG3678	On/off magnet w/ fine adjust.	2	1,000 kg	800N	M8	50	60	55
10391630	DG0038	On/off magnet	1	1,270 kg	1000N	M8	50	75	55
10391635	DG0118	On/off magnet w/ fine adjust.	2	1,380 kg	1000N	M8	50	75	55
10391640	DG0039	On/off magnet	1	2,000 kg	1300N	M10 x 1,25	50	120	55
10391650	DG1003	On/off magnet w/ fine adjust.	3	1,350 kg	1000N	M6/8/10/12/10x1,25	50	75	55
10391655	DG0040	Vacuum base	4	0,400 kg	350N	M8	-	92	-
10390655	MA0322	4" clamp	5	1,150 kg	-	Ext. M10x1,25	-	100	-
10390660	MA0320	4" clamp	5	1,160 kg	-	Int. M10x1,25	-	100	-
10390665	MG1006	3" clamp	5	0,570 kg	-	Ext. M8	-	75	-
10390670	MG1003	3" clamp	5	0,600 kg	-	Int. M8	-	75	-
10390675	MG0125	3" clamp w/ plastic cover	5	0,600 kg	-	Int. M8	-	75	-



ART. 10391710  
FA1500

### NOGA INDICATOR LC6100

Noga's smallest and lightest indicator. Multi application and M6 internal at both ends.

Item no.	Thread	L1	L2	Total
10391515	M6	38 mm	38 mm	76 mm

ART. 10391700  
FA1300

### NOGA INDICATOR LEVER FA1300

Item no.	Material	Thread	For shank	Overall length	Lever indicator
10391700	Plastic	M6	Ø8 mm	62 mm	1/4" dovetail
10391710	Metal	M6	Ø8 mm	75 mm	3/8", Ø6, Ø8, 1/4" dovetail

More NOGA in section 4 - Hand tools.







ART.10388325

### PNEUMATIC STAND WITH STRONG SUCTION POWER

Fine adjustment, shank Ø8 mm, suitable for use on granite inspection plates, brass, stainless steel etc.



ART. 10575xxx

### GRANITE MEASURING TABLE

Measuring surface finely diamond lapped, incl. arm for dial indicator, shank Ø8 mm

Item no.	Measure	Range of action	Vertical arm length	Thread
10388325	Ø 90 mm	Ø 16 x 200 mm	Ø 16 x 200 mm	M8
10575150	150 x 100 x 40 mm	82 mm	150 mm	Column Ø 18
10575200	200 x 150 x 50 mm	86 mm	300 mm	Column Ø 30



### MAGNETIC BASE WITH HANDLE

Item no.	Base	Thread	Clamping force
10393588	65 x 55 x 50 mm	M8	80 kg
10393980	85 x 55 x 50 mm	M8	100 kg
10393995	85 x 55 x 50 mm	M10	100 kg
10393998	118 x 55 x 50 mm	M10	130 kg



ART. 10381816

ART. 10381810/ - 811 / -812

### CLAMPING ELEMENT FOR MAGNETIC STAND

Item no.	Clamping element
10381810	Ø 8 x Ø 10 mm
10381811	Ø 10 x Ø 10 mm
10381812	Ø 10 x Ø 12 mm
10381816	Ø 16 x Ø 16 mm
10381820	Ø 20 x Ø 14 mm



### MEASURING SET (4 PCS.)

- 1 pcs. caliper 0 - 150 mm x 0,05 mm
- 1 pcs. micrometer 0 - 25 mm x 0,01 mm
- 1 pc. ruler 150 mm
- 1 pc. square, bevelled edge 100 x 70 mm

Item no.
10314235



### SURFACE GAUGE WITH ROUND BASE, CAST IRON

Designed for general purpose, cast cylindrical base, fixed pillar, supplied with one pc. scriber (straight and bended). Scriber: Ø4 x 130 mm.

Item no.	Pilar	Base	Weight
10325200	Ø10 - 300 mm	Ø90 x 130 mm	0,07 kg
10325215	Ridsearm Ø4 x 130 mm for overflade ridser ART. 10325200		

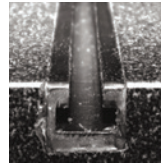


### GRANITE INSPECTION PLATE 300X200X75 MM

Including a planeness certificate.

Stand must be ordered separately for granite plate.

\* ART. 10571925 is provided with T-track of 14 mm clamping of measuringfixture. 100 mm from the edge to the center of the track.



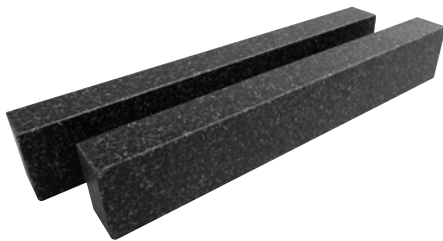
ART. 10571925



### GRANITE INSPECTION PLATE STAND

Item no.	Length	Width	Height	Class	Planarity tolerance	Weight
10571300	300 mm	200 mm	75 mm	0	4µm	13 kg
10571450	450 mm	300 mm	75 mm	0	4µm	35 kg
10571630	630 mm	400 mm	100 mm	0	4µm	106 kg
10571800	800 mm	500 mm	130 mm	0	4µm	155 kg
10571910	1000 mm	630 mm	150 mm	0	4µm	280 kg
10571925*	1000 mm	750 mm	150 mm	0	4µm	338 kg

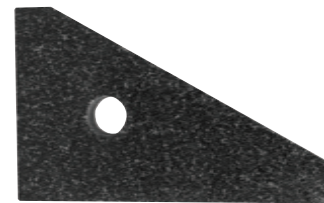
Item no.	For
10573620	ART. 10571630
10573645	ART. 10571800
10573670	ART. 10571910
10573695	ART. 10571925



### GRANITE PARALLEL

DIN 876/0.

Item no.	Content	Length	Width	Height	Planarity tolerance
10576160	1 pair	160 mm	16 mm	26 mm	3 µm
10576250	1 pair	250 mm	25 mm	41 mm	4 µm



### GRANITE SQUARES 90°

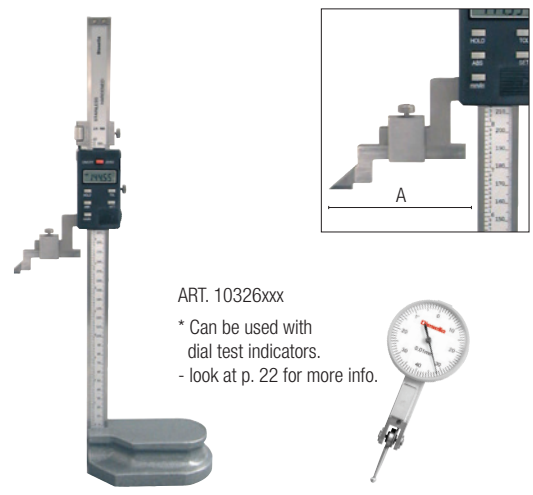
DIN 876/0.

Item no.	Thickness	Length	Width	Staightness tolerance	Planarity tolerance
10577100	17 mm	100 mm	63 mm	4 µm	1 µm
10577160	20 mm	160 mm	100 mm	4 µm	2 µm
10577250	26 mm	250 mm	160 mm	5 µm	2 µm



ART. 10325xxx

\* Can be used with dial test indicators.  
- look at p. 22 for more info.



ART. 10326xxx

\* Can be used with dial test indicators.  
- look at p. 22 for more info.

### UNIVERSAL HEIGHT AND MARKING GAUGE

Fine adjustment, carbide tipped steel scriber (exchangeable), sturdy base, cast iron, lacquered.

Item no.	Max. range (A)	Range	Resolution
10325300*	70 mm	0 - 300 mm	0,02 mm
10325500*	88 - 127 mm	0 - 500 mm	0,02 mm
10325700*	99 - 160 mm	0 - 1000 mm	0,02 mm

### ELECTRONIC DIGITAL HEIGHT GAUGE

Carbide tipped steel scriber, switch mm/inches, zero setting, HOLD function, fine adjustment, cast iron, lacquered.

Item no.	Max. range (A)	Range	Resolution
10326300*	75 - 110 mm	0 - 300 mm	0,01 mm
10326500*	100 - 150 mm	0 - 500 mm	0,01 mm
10326740*	100 - 150 mm	0 - 1000 mm	0,01 mm
10238500		Battery SR44W 1,55 V	





## UNIVERSAL MARKING GAUGE

For marking on plates, exchangeable needle, chromed plated roller bearing as contact face.

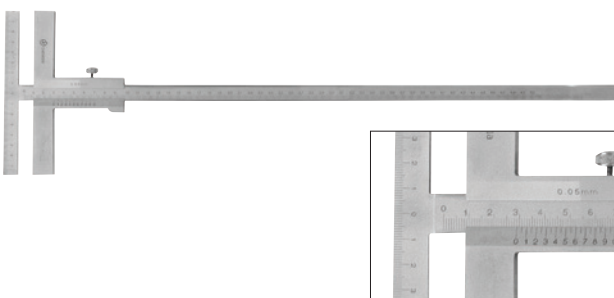
Item no.	Marking range	Resolution
10301200	0 - 200 mm	0,1 mm
10301300	0 - 300 mm	0,1 mm
10301820	Marking needle Ø2,0 mm for ART. 10301200 + ART. 10301300	



## MARKING GAUGE WITH FLAT RULE

Stainless steel with hardened block, scale satin chrome finish.  
Dim: 360 x 40/50 x 25 mm.

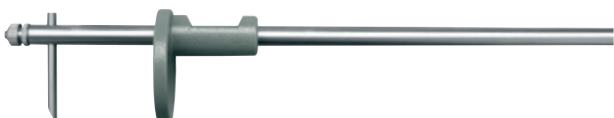
Item no.	Marking range	Resolution	Width
10304300	0 - 300 mm	0,1 mm	40 mm



## MARKING CALIPER

For marking on plates, chrome plated.

Item no.	Marking range	Resolution	Fcae length
10305260	0 - 260 mm	0,05 mm	120 mm
10305300	0 - 300 mm	0,05 mm	160 mm
10305500	0 - 500 mm	0,05 mm	160 mm



## STEEL MARKING GAUGE

For marking on plates, hardened marking needle Ø5 mm.

Item no.	Marking range	Resolution
10306300	0 - 300 mm	0,1 mm
10306500	0 - 500 mm	0,1 mm
10306775	Marking needle Ø5 mm for ART. 10306300 / 10306500	

ART. 10307290



ART. 10307330



ART. 10308210



ART. 10309125



## CARBIDE SCRIBER

Item no.	Description	Complete
10307290	Hardmetal scriber (fixed tip)	x
10307330	Hardmetal scriber, replaceable tip	x
10307345	Hardmetal point Ø 2,5 mm for ART. 10307330	-
10307350	Clip for scriber ART. 10307330	-
10308210	Hardmetal scriber, replaceable tip	x
10308425	Hardmetal point Ø 2,0 for ART. 10308210	-
10309125	Hardmetal scriber Ø 2,0 (Deluxe type) replaceable tip	x
10309340	Hardmetal point Ø 2,0 mm for ART. 10309125	-



## PIT MEASURING TAPE, ADHESIVE

For mounting on conveyors, saws, tables, etc. Readings from left to right, from right to left and from the middle and to both sides.

Item no.	Length	Width	Graduation	Color
10312500	1 m	10 mm	Duplex L-R	White
10312505	3 m	10 mm	Duplex R-L	White
10312510	1 m	13 mm	Duplex L-R	Yellow
10312512	2 m	13 mm	Duplex L-R	Yellow
10312514	3 m	13 mm	Duplex L-R	Yellow
10312516	5 m	13 mm	Duplex L-R	Yellow
10312518	6 m	13 mm	Duplex L-R	Yellow
10312520	10 m	13 mm	Duplex L-R	Yellow
10312530	1 m	13 mm	Duplex L-R	White
10312531	1 m	13 mm	Duplex R-L	White
10312532	2 m	13 mm	Duplex L-R	White
10312533	2 m	13 mm	Duplex R-L	White
10312534	3 m	13 mm	Duplex L-R	White
10312535	3 m	13 mm	Duplex R-L	White
10312536	5 m	13 mm	Duplex L-R	White
10312537	5 m	13 mm	Duplex R-L	White
10312538	6 m	13 mm	Duplex L-R	White
10312539	6 m	13 mm	Duplex R-L	White
10312540	10 m	13 mm	Duplex L-R	White
10312541	10 m	13 mm	Duplex R-L	White
10312548	50 m	13 mm	Duplex L-R	Yellow
10312549	50 m	13 mm	Duplex L-R	Yellow
10312550	80 cm (40-0-40 cm)	13 mm	Duplex, Zero in center (L-0-R)	Yellow
10312552	200 cm (100-0-100)	13 mm	Duplex, Zero in center (L-0-R)	Yellow
10312554	250 cm (125-0-125)	13 mm	Duplex, Zero in center (L-0-R)	Yellow
10312560	80 cm (40-0-40)	13 mm	Duplex, Zero in center (L-0-R)	White
10312562	200 cm (100-0-100)	13 mm	Duplex, Zero in center (L-0-R)	White
10312564	250 cm (125-0-125)	13 mm	Duplex, Zero in center (L-0-R)	White



Flexible / bendable steel ruler in hardened, stainless steel.

## STAINLESS STEEL RULERS

With matt chromed non-glare surface. Devision: 1 mm and 0,5 mm, thread-/ conversion table from inches to mm on the back. Tolerance: EC class II.

Item no.	Type	Range
10310115	1	150 x 15 x 0,5 mm
10310130	1	200 x 19 x 0,8 mm
10310145	1	300 x 25 x 1,0 mm
10310160	1	500 x 30 x 1,2 mm
10310175	1	600 x 30 x 1,2 mm
10310190	1	1000 x 35 x 1,5 mm
10310365	2	1000 x 30 x 1,0 mm
10310425	2	2000 x 30 x 1,0 mm
10310510	1 (black numbers)	150 x 13 x 0,5 mm
10310520	1 (black numbers)	200 x 13 x 0,5 mm
10310530	1 (black numbers)	300 x 25 x 1,0 mm
10310540	1 (black numbers)	500 x 30 x 1,0 mm
10310550	1 (black numbers)	1000 x 38 x 2,0 mm
10310830	3	300 x 30 x 1,0 mm / "
10310850	3	500 x 30 x 1,0 mm / "
10311210	4	300 x 13 x 0,5 mm
10311225	4	500 x 18 x 0,5 mm
10311255	4	1000 x 20 x 1,0 mm
10311275	4	1500 x 18 x 0,5 mm
10311276	4	1500 x 18 x 0,5 mm
10311295	4	2000 x 20 x 1,0 mm
10311315	4	2500 x 18 x 0,5 mm
10311335	4	3000 x 18 x 0,5 mm

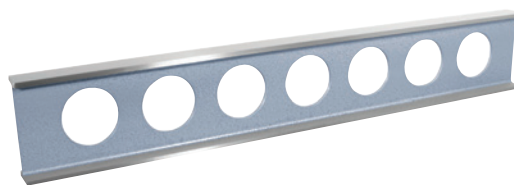
Length	Flatnesstolerance in µm at accuracy:		
	0	1	2
500	7	12	20,5
750	9,5	16,5	27
1000	12	21	33
1500	17	29	45,5
2000	22	37	58
2500	27	46	70,5
3000	32	54	83

Flatness on side surfaces = 3 x value

Parallelity on opposite measuring surfaces = 2 x value

Parallelity on side surfaces = 6 x value

Right angularity on side surfaces to measuring surface = 3 x value



## ASSEMBLY STRAIGHT EDGE, STEEL

DIN874. Used for alignment of machines etc. Produced in I-profile with wide precisiongrinded faces. Hammerpainted mid with holes for easier handling.

Item no.	Dimension	Accuracy degree	Weight
10430400	500 x 80 x 40 mm	0	2,0 kg
10430410	750 x 80 x 40 mm	0	3,5 kg
10430420	1000 x 160 x 50 mm	0	12,0 kg
10430430	1500 x 160 x 50 mm	0	18,0 kg
10430440	2000 x 160 x 50 mm	0	24,0 kg
10430450	2500 x 160 x 50 mm	0	30,0 kg
10430460	3000 x 180 x 60 mm	0	45,5 kg
10430501	500 x 80 x 40 mm	1	2,0 kg
10430511	750 x 80 x 40 mm	1	3,5 kg
10430521	1000 x 160 x 50 mm	1	12,0 kg
10430531	1500 x 160 x 50 mm	1	18,0 kg
10430541	2000 x 160 x 50 mm	1	24,0 kg
10430551	2500 x 160 x 50 mm	1	30,0 kg
10430561	3000 x 180 x 60 mm	1	45,5 kg



## PRECISION STRAIGHT EDGE

DIN874. For control of flatness on surfaces. Precisiongrinded faces, painted in between the faces. Marked with ID-no. Made of steel.

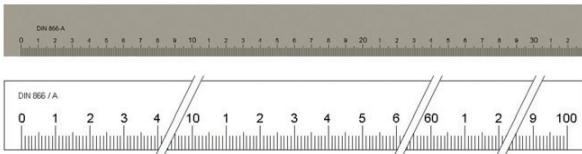
Item no.	Dimension	Accuracy degree	Weight
10430302	500 x 30 x 6 mm	2	0,7 kg
10430312	750 x 40 x 8 mm	2	2,0 kg
10430322	1000 x 40 x 8 mm	2	2,5 kg
10430332	1500 x 50 x 10 mm	2	5,8 kg
10430342	2000 x 60 x 12 mm	2	11,2 kg
10430352	2500 x 70 x 15 mm	2	20,6 kg
10430362	3000 x 80 x 15 mm	2	28,2 kg



## PRECISION STRAIGHT EDGE

DIN874. For control of flatness on surfaces. Precisiongrinded faces, painted in between the faces. Marked with ID-no. Made of aluminum.

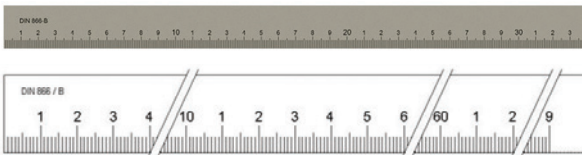
Item no.	Dimension	Accuracy degree	Weight
10430100	500 x 60 x 12 mm	0	0,7 kg
10430110	1000 x 60 x 12 mm	0	1,4 kg
10430120	1500 x 100 x 15 mm	0	4,3 kg
10430130	2000 x 100 x 15 mm	0	5,9 kg
10430201	500 x 60 x 12 mm	1	0,7 kg
10430211	1000 x 60 x 12 mm	1	1,4 kg
10430221	1500 x 100 x 15 mm	1	4,3 kg
10430231	2000 x 100 x 15 mm	1	5,9 kg



### WORKSHOP STEEL RULER (FORM A)

DIN 866/Form A. Made of tool steel with engraved millimeter scale. Left and right side are with protective ends (= First and last 10 mm is without millimeter scale). Can also be used as a ruler. Certificate: No (not incl.)

Item no.	Dimension	Permitted measure dev.	Permitted straightness dev.	Weight
10431100	500 x 30 x 6 mm	30 µm	35 µm	0,7 kg
10431110	1000 x 40 x 8 mm	35 µm	47 µm	2,5 kg
10431120	1500 x 40 x 8 mm	50 µm	85 µm	3,7 kg
10431130	2000 x 50 x 10 mm	60 µm	110 µm	7,9 kg
10431140	3000 x 50 x 10 mm	80 µm	160 µm	11,9 kg
10431150	4000 x 60 x 12 mm	100 µm	210 µm	23,0 kg



### WORKSHOP STEEL RULER (FORM B)

DIN 866/Form B. Made of tool steel with engraved millimeter scale. Left side starts at 0, right side is with protective end (= First and last 10 mm is without millimeter scale). Can also be used as a ruler. Certificate: No (not incl.)

Item no.	Dimension	Permitted measure dev.	Permitted straightness dev.	Weight
10431300	500 x 25 x 5 mm	75 µm	70 µm	0,5 kg
10431320	1000 x 30 x 6 mm	87 µm	85 µm	1,1 kg
10431330	1500 x 30 x 6 mm	125 µm	175 µm	2,1 kg
10431340	2000 x 40 x 8 mm	150 µm	220 µm	5,0 kg
10431360	3000 x 40 x 8 mm	200 µm	320 µm	7,5 kg
10431370	4000 x 50 x 10 mm	250 µm	420 µm	15,8 kg



### PRECISION STEEL EDGE

DIN874, sheet 1. Without division and precisiongrinded. Without ID-no.

Item no.	Accuracy	Dimension
10431550	2	500 x 40 x 8 mm
10431610	2	1000 x 50 x 10 mm
10432250	2	500 x 30 x 6 mm
10432280	2	1000 x 40 x 8 mm
10432310	2	1500 x 50 x 10 mm
10432315	2	2000 x 40 x 10 mm
10432340	2	2000 x 60 x 12 mm
10432370	2	3000 x 80 x 15 mm
10432375	2	3000 x 80 x 15 mm



### CIRCUMFERENCE RULER

For measuring the circumference and diameter at the same time with 1/10 mm vernier. 13 x 0,2 mm wide steel tape with etched mm graduation and reader with vernier. Reading of circumference on the lower scale, diameter on the upper scale. Also known as periphery tapes.

Item no.	Circumference	Diameter
10312110	60 - 950 mm	20 - 300 mm
10312160	60 - 2200 mm	20 - 700 mm
10312225	60 - 3780 mm	20 - 1200 mm
10312270	60 - 4720 mm	20 - 1500 mm
10312315	60 - 5980 mm	20 - 1900 mm
10312350	60 - 7540 mm	20 - 2400 mm
10312475	60 - 11310 mm	20 - 3600 mm



### TANK DIPPING TAPE

With black/red marking. Buy plump bob separately. 2 versions, white painted steel and stainless steel. Other lengths on request.

Item no.	Length	Width	Thickness	Accessories (tape)	Tape
10312710	10 m	13,0 mm	0,2 mm	10312810	Steel
10312720	20 m	13,0 mm	0,2 mm	10312820	Steel
10312730	30 m	13,0 mm	0,2 mm	10312830	Steel
10312750	10 m	13,0 mm	0,2 mm	10312850	Stainless
10312760	20 m	13,0 mm	0,2 mm	10312860	Stainless
10312770	30 m	13,0 mm	0,2 mm	10312870	Stainless



### DIP WEIGHTS FOR TANK DIPPING

Item no.	Length	Weight	Material
10312600	156 mm	675 g	Brass



### MEASURING TAPE W/ AUTO-LOCK

Impact absorbing rubber jacket for case and tip protection. EC class II.

Item no.	Length	Width
10313030	3 m	13 mm

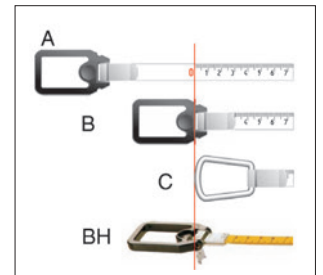
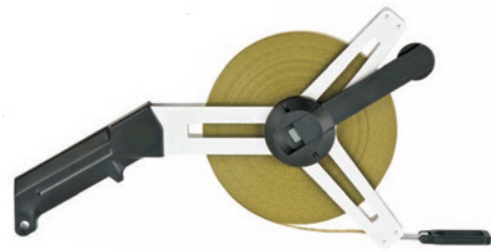




### MEASURING TAPE, AUTO-LOCK, WHITE TAPE

Prof. measuring tape with auto-lock and nyloncoated tape, which makes the tape last longer. White tape with black mm-scale and red numbers for every 10 cm. EC class II.

Item no.	Length	Width	Tape thickness	Class	Quantity in box
10313710	3 m	16 mm	0,135 mm	II	12 pcs
10313720	5 m	19 mm	0,135 mm	II	12 pcs
10313730	7,5 m	25 mm	0,135 mm	II	6 pcs



### MEASURING TAPE, LONG

Prof. measuring tape, class II. Made in EU. Other sizes can be supplied.

Item no.	Length	Width / color	Scale	Tape type
10313510	10 m	13 mm / yellow	mm / -	BH
10313520	20 m	13 mm / yellow	mm / -	BH
10313530	30 m	13 mm / yellow	mm / -	BH
10313550	50 m	13 mm / yellow	mm / -	BH



10313235 > 10313275:  
Magnets ensure firm grip on the metal surfaces, and is ideal for single-operator control

### MEASURING TAPE W/ AUTO-LOCK

Impact absorbing rubber jacket for case and tip protection. Tip with powerful teeth and magnets, EC class II.

Item no.	Length	Width
10313235	3 m	16 mm
10313250	5 m	19 mm
10313275	7,5 m	25 mm



### MEASURING TAPE

Belt clips, 2 locking buttons / manuel, yellow tape with red numbers for every decimeter. EC class II.

Item no.	Length	Width	Magnetic hook
10313305	3 m	16 mm	No
10313315	5 m	19 mm	No



### FOLDING RULER

Consist of 10 joints, red numbers for every decimeter. EC class III. Coated with a UV lacquer and the ends are sealed with red water-based paint.

Item no.	Length	Size	Scale
10313930	2 m	10 joints - 3,2 x 16 mm	duplex and metrical



### LASER DISTANCE METER

Smart and simple laser distance meter with many features for various types of measurements.

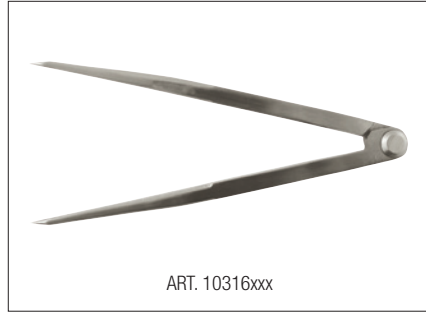
Ergonomically designed with soft touch keypad with self-explanatory symbols. LCD display with active backlight. The graphic symbols on the display helps the user by measuring processes.

Can store up to 100 measurements.  
At optimal conditions the accuracy is 1,5 mm up to 10 meters.

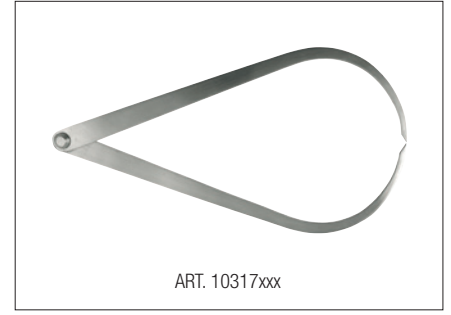
Item no.	Max. range	Accuracy	Light in display	IP class	Pouch	Battery
10460060	60 meter	± 2,0 mm	Yes	IP54	Yes	2 x AAA
Operating temp.	Storage temp.	Laser class (class 2)	Min./max. - Add./sub. - Area/volume Pythagoras - Dynamic meas.			
0° - 50° C	-20° - 70° C	620-680 nm	Yes			

**Figure 1****WING DIVIDER**

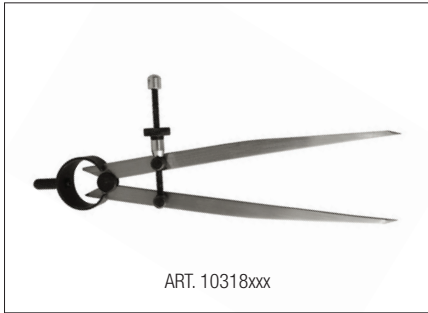
Hardened point, forged steel with edged legs and setting wing

**Figure 2****DIVIDER**

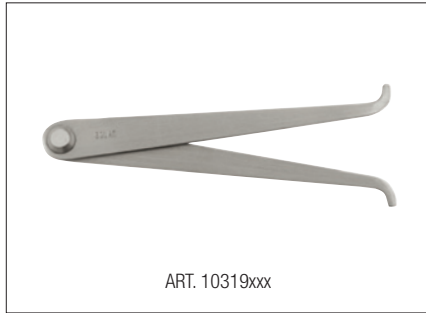
Steel, hardend points.

**Figure 3****FIRM JOINT CALIPER**

Polished tool steel. Large headed nut & screw assembly provides a firm and rigid friction joint.

**Figure 4****SPRING DIVIDER**

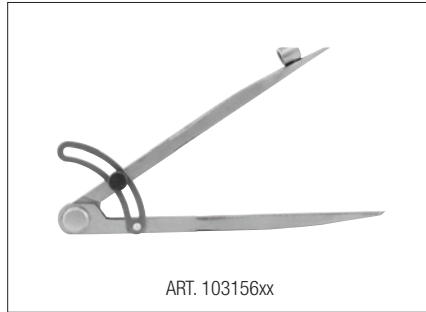
With quick adjustment.

**Figure 5****FIRM JOINT**

Polished steel, hardend points.

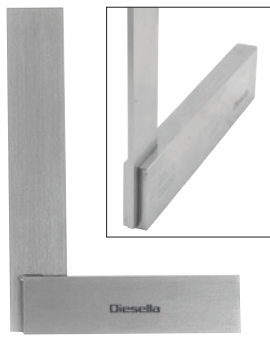
**Figure 6****SPRING DIVIDER**

Inside caliper with quick adjustment nut. Polished steel, hardend points.

**Figure 7****INSIDE-OUT DIVIDER****Figure 8****COMPASS DIVIDER**

Item no.	Figure	Type	Length	Max. grip width
10315150	1	Wing divider	150 mm	210 mm
10315200	1	Wing divider	200 mm	230 mm
10315250	1	Wing divider	250 mm	265 mm
10315300	1	Wing divider	300 mm	335 mm
10315400	1	Wing divider	400 mm	410 mm
10315500	1	Wing divider	500 mm	545 mm
10316150	2	Divider	150 mm	300 mm
10316200	2	Divider	200 mm	380 mm
10316250	2	Divider	250 mm	500 mm
10316300	2	Divider	300 mm	580 mm
10316400	2	Divider	400 mm	720 mm
10316500	2	Divider	500 mm	950 mm
10317150	3	Firm joint caliper	150 mm	260 mm
10317200	3	Firm joint caliper	200 mm	380 mm
10317300	3	Firm joint caliper	300 mm	500 mm
10317400	3	Firm joint caliper	400 mm	650 mm
10317500	3	Firm joint caliper	500 mm	840 mm

Item no.	Figure	Type	Length	Max. grip width
10318125	4	Spring divider	125 mm	105 mm
10318150	4	Spring divider	150 mm	150 mm
10318200	4	Spring divider	200 mm	210 mm
10318250	4	Spring divider	250 mm	255 mm
10318300	4	Spring divider	300 mm	310 mm
10319150	5	Firm joint	150 mm	290 mm
10319165	5	Firm joint	200 mm	400 mm
10319180	5	Firm joint	250 mm	490 mm
10319300	5	Firm joint	300 mm	600 mm
10319315	5	Firm joint	400 mm	800 mm
10319620	6	Spring divider	200 mm	215 mm
10319625	6	Spring divider	250 mm	260 mm
10319630	6	Spring divider	300 mm	320 mm
10319635	7	Inside-out divider	300 mm	260 / 280 mm
10315620	8	Compass divider	200 mm	380 mm
10315630	8	Compass divider	300 mm	580 mm



### SQUARE WITH BLOCK BASE

Hardened and grounded precision steel square, block base.

Item no.	Accuracy	Length dimension	Width dimension
10410075	Grade 1	75 x 16 x 3 mm	50 x 16 x 9 mm
10410100	Grade 1	100 x 16 x 3 mm	70 x 18 x 9 mm
10410150	Grade 1	150 x 20 x 3 mm	100 x 23 x 10 mm
10410200	Grade 1	200 x 22 x 3 mm	130 x 25 x 10 mm
10410250	Grade 1	250 x 23 x 3 mm	165 x 26 x 12 mm
10410300	Grade 1	300 x 24 x 3 mm	200 x 27 x 12 mm
10410400	Grade 1	400 x 26 x 4 mm	265 x 30 x 12 mm
10410500	Grade 1	500 x 31 x 4 mm	330 x 33 x 16 mm
10411075	Grade 0	75 x 16 x 3 mm	50 x 16 x 9 mm
10411100	Grade 0	100 x 16 x 3 mm	70 x 18 x 9 mm
10411150	Grade 0	150 x 20 x 3 mm	100 x 23 x 10 mm
10411200	Grade 0	200 x 22 x 3 mm	130 x 25 x 10 mm
10411250	Grade 0	250 x 23 x 3 mm	165 x 26 x 12 mm
10411300	Grade 0	300 x 24 x 3 mm	200 x 27 x 12 mm
10411400	Grade 0	400 x 26 x 4 mm	265 x 30 x 12 mm
10411500	Grade 0	500 x 31 x 4 mm	330 x 33 x 16 mm

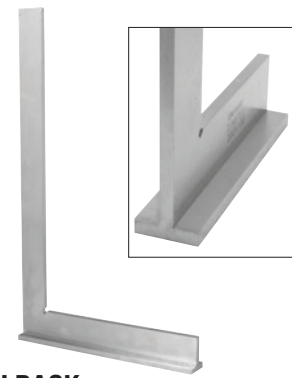


### SQUARES, 4 PCS. IN SET

Hardened and grounded precision steel square, block base.

Item no.	Accuracy	Length x width
10410925	Grade 1	100 x 70, 150 x 100, 200 x 130, 250 x 165 mm

Length	Angle tolerance in µm at accuracy:			
	00	0	1	2
50	3	-	-	-
75	3	7	14	28
100	3	7	15	30
150	4	8	18	35
200	4	9	20	40
250	5	10	23	45
300	5	11	25	50
500	7	15	35	70
750	10	20	43	85
1000	12	25	60	120



### PRECISION SQUARE WITH BACK

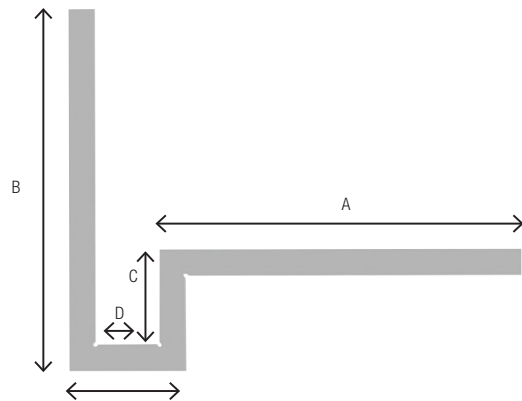
Stainless steel. DIN 875.

Item no.	Accuracy	Height	Length	Width foot
10415075	Grade 1	75 mm	50 mm	15 mm
10415100	Grade 1	100 mm	70 mm	21 mm
10415150	Grade 1	150 mm	100 mm	25 mm
10415200	Grade 1	200 mm	130 mm	30 mm
10415250	Grade 1	250 mm	165 mm	35 mm
10415300	Grade 1	300 mm	175 mm	35 mm
10415400	Grade 1	400 mm	200 mm	35 mm
10415420	Grade 1	400 mm	265 mm	40 mm
10415500	Grade 2	500 mm	250 mm	40 mm
10415600	Grade 2	600 mm	300 mm	40 mm
10415750	Grade 2	750 mm	375 mm	45 mm
10415900	Grade 2	1000 mm	500 mm	50 mm

### WORKSHOP SQUARE WITH BACK

Galvanized. Produced after werksnorm (no accuracy grade).

Item no.	Length x width	Cross section
10414910	100 x 70 mm	20 x 5 mm
10414915	150 x 100 mm	20 x 5 mm
10414920	200 x 130 mm	20 x 5 mm
10414925	250 x 160 mm	25 x 5 mm
10414940	300 x 175 mm	25 x 5 mm
10414942	400 x 230 mm	30 x 5 mm
10414950	500 x 250 mm	30 x 5 mm
10414960	600 x 300 mm	30 x 5 mm
10414970	750 x 375 mm	30 x 5 mm
10414980	1000 x 500 mm	30 x 5 mm

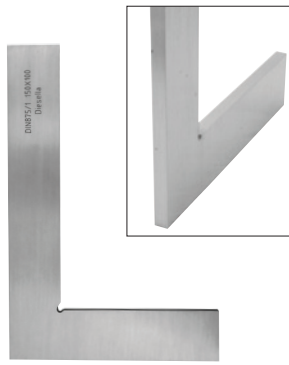


### FLANGE SQUARE

Polished steel, thickness 30 x 4 mm

Item no.	A	B	C	D
10419300	300 mm	300 mm	105 mm	70 mm
10419400	400 mm	400 mm	105 mm	70 mm
10419500	500 mm	500 mm	130 mm	65 mm
10419600	600 mm	600 mm	130 mm	70 mm
10419800	800 mm	800 mm	135 mm	95 mm





## FLAT SQUARE

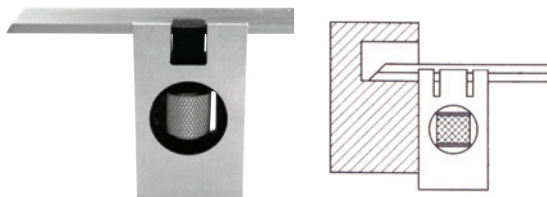
DIN 875.

Item no.	Length x width x thickness	Accuracy
10418050	50 x 40 x 5 mm	Grade 1
10418075	75 x 50 x 5 mm	Grade 1
10418100	100 x 70 x 5 mm	Grade 1
10418150	150 x 100 x 5 mm	Grade 1
10418200	200 x 130 x 5 mm	Grade 1
10418250	250 x 160 x 5 mm	Grade 1
10418300	300 x 175 x 5 mm	Grade 1
10418400	400 x 230 x 5 mm	Grade 1
10418500	500 x 280 x 9 mm	Grade 1
10418600	600 x 330 x 4 mm	Grade 2
10418620	600 x 300 x 8 mm	Grade 2
10418800	800 x 430 x 6 mm	Grade 2
10418950	1000 x 500 x 6 mm	Grade 2
10418960	1500 x 750 x 6 mm	Grade 2

## FLAT SQUARE, LIGHT

Galvanized. Produced after werksnorm out of accuracygrade. Thickness 30 x 4 mm.

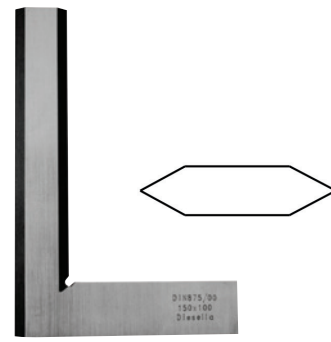
Item no.	Height	Length
10420160	100 mm	70 mm
10420175	150 mm	100 mm
10420190	200 mm	130 mm
10420205	250 mm	160 mm
10420220	300 mm	175 mm
10420235	400 mm	200 mm
10420250	500 mm	220 mm
10420265	600 mm	300 mm
10420310	750 mm	375 mm
10420325	1000 mm	500 mm



## ADJUSTABLE BEVELED EDGE SQUARE

DIN 875/00, precision square for toolmakers etc.

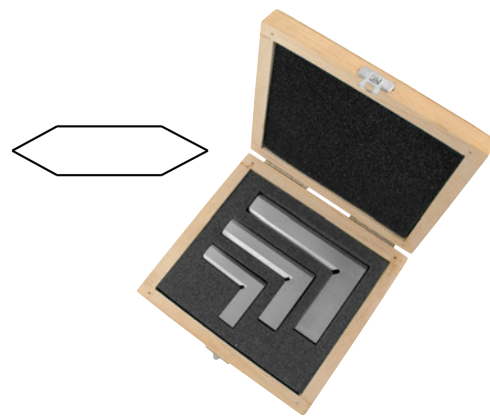
Item no.	Accuracy	Size of handle	Size bevelled edge
10423060	Grade 00	40 x 23 x 10 mm	60 x 4 x 4 mm



## KNIFE EDGE SQUARE

DIN 875/00, hardened, fine ground, bevelled edge, lapped w. black browning.

Item no.	Accuracy	Length x width
10422050	Grade 00	50 x 40 mm
10422075	Grade 00	75 x 50 mm
10422100	Grade 00	100 x 70 mm
10422150	Grade 00	150 x 100 mm
10422200	Grade 00	200 x 130 mm



## KNIFE EDGE SQUARES IN SET (3 PCS)

Item no.	Accuracy	Length x width
10422310	Grade 00	1 pc 50 x 40 mm 1 pc 75 x 50 mm 1 pc 100 x 70 mm



## PRECISION KNIFE STRAIGHT EDGE

DIN 874/00, bevelled edge, fine ground and lapped, with insulation.

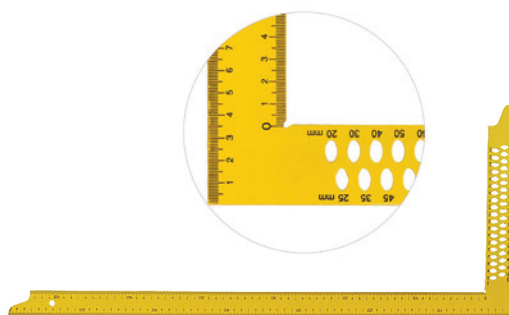
Item no.	Accuracy	Length
10425050	Grade 00	50 mm
10425100	Grade 00	100 mm
10425150	Grade 00	150 mm
10425200	Grade 00	200 mm
10425300	Grade 00	300 mm
10425400	Grade 00	400 mm



## CARPENTERS STEEL SQUARE

The original square, 35 mm wide/conical. Without marking holes and scales.

Item no.	Length x width	Remark
10429210	600 x 280 mm	Without millimeter scale
10429225	800 x 320 mm	Without millimeter scale
10429240	1000 x 380 mm	Without millimeter scale
10429260	600 x 280 mm	Double scale and marking holes
10429270	800 x 320 mm	Double scale and marking holes
10429280	1000 x 380 mm	Double scale and marking holes
10429310	600 x 280 mm	Conical
10429325	800 x 320 mm	Conical
10429340	1000 x 380 mm	Conical



## CARPENTERS STEEL SQUARE WITH DOUBLE SCALE AND MARKING HOLES

Yellow carpenter's square double scale and marking holes.

Item no.	Length x width	Marking holes
10429510	600 x 280 mm	No
10429520	700 x 300 mm	No
10429530	800 x 320 mm	No
10429540	1000 x 380 mm	No
10429560	600 x 280 mm	Yes
10429570	700 x 300 mm	Yes
10429580	800 x 320 mm	Yes
10429590	1000 x 380 mm	Yes



## JOINERS SQUARE ALU

Aluminium square, 1,0 x 40 mm with metric gradation.

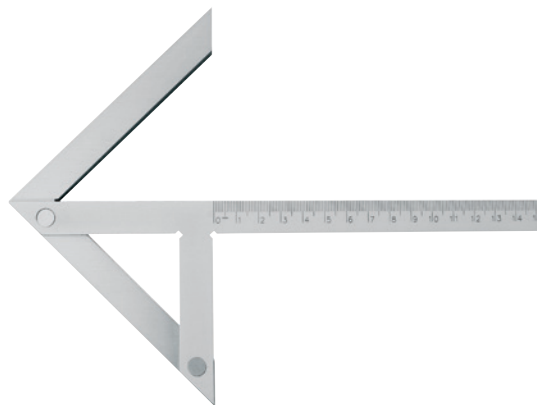
Item no.	Length x width	Resolution
10428150	150 x 130 mm	0,1 mm
10428200	200 x 130 mm	0,1 mm
10428250	250 x 150 mm	0,1 mm
10428300	300 x 170 mm	0,1 mm



## CENTER SQUARE

For marking centers on round discs and shafts.

Item no.	Max. diameter
10435075	75 mm



## CENTER SQUARE

For marking centers on round discs and shafts, scale satin chromed finish, with mm Wgraduation.

Item no.	Length	Width	Max. Ø
10435150	150 mm	130 mm	190 mm
10435200	200 mm	150 mm	220 mm
10435250	250 mm	160 mm	260 mm
10435300	300 mm	180 mm	280 mm



## JOINERS SQUARE ALU

Aluminium square, 1,0 x 40 mm with metric gradation.

Item no.	Length x width	Resolution
10428415	150 x 120 mm	0,1 mm
10428420	200 x 120 mm	0,1 mm
10428425	250 x 125 mm	0,1 mm
10428430	300 x 165 mm	0,1 mm
10428440	400 x 200 mm	0,1 mm



COMBI SQUARE - See page 48.



### PROTRACTOR WITH DOUBLE SCALE

Chrome Plated Double scale, range 0-180°, laser print on beam.

Item no.	Ø-dia.	Ruler length
10442080	80 mm	120 mm
10442120	120 mm	150 mm
10442150	150 mm	200 mm
10442200	200 mm	300 mm
10442300	300 mm	500 mm
10442400	400 mm	800 mm
10442500	500 mm	1000 mm



### STEEL PROTRACTOR WITH ADJUSTABLE BEAM

Chrome Plated, range 10 - 170°, laser print on beam.

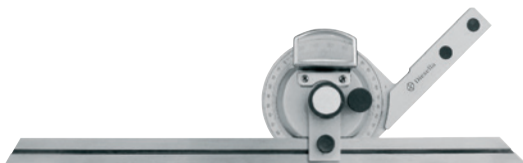
Item no.	Ø-dia.	Ruler length
10445100	100 mm	150 mm
10445150	150 mm	300 mm
10445200	200 mm	400 mm
10445250	250 mm	500 mm



### DIGITAL PROTRACTOR

Resolution: 0,05°. Battery: 1 x CR2032

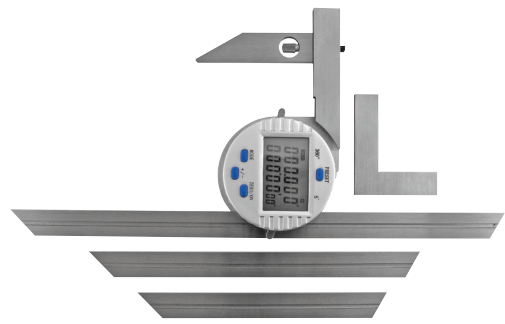
Item no.	Range	Length of blade	Arc	Max. accuracy
10428150	0 - 180°	150 mm	Ø120 mm	+/- 0,3°
10442725	0 - 180°	200 mm	Ø150 mm	+/- 0,3°
10442740	0 - 180°	300 mm	Ø200 mm	+/- 0,3°



### UNIVERSAL PROTRACTORS

0-360°. Incl. Magnifying glas.

Item no.	Length	Range	Resolution
10436360	300 mm	4 x 90°	5 mm

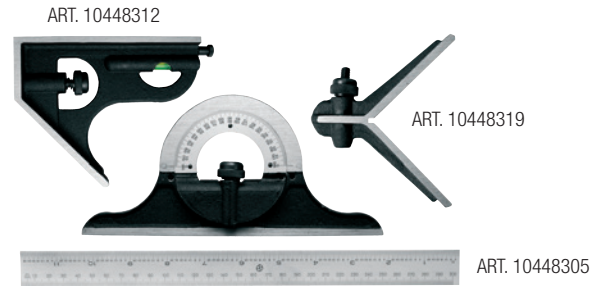


### UNIVERSAL DIGITAL PROTRACTOR

Removable blades (4 pcs. included), changeable direction, calibration and zerosetting.

Measuring range: 0-360°, 2 x 180°, 4 x 90°.

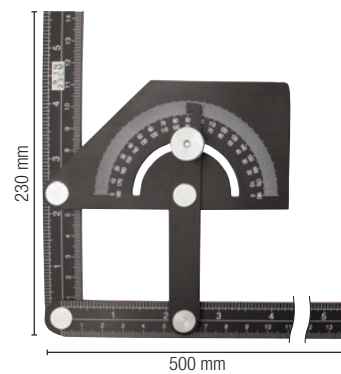
Item no.	Range	Resolution	Accuracy
10450360	0 - 360°	0,001° mm	0,01°
10450363		Ruler 150 mm	
10450364		Ruler 200 mm	
10450365		Ruler 300 mm	
10238530		Battery lithium 3V (CR2032)	



### COMBINATION SQUARE SET

Combination square with level, chrome plated ruler 300 mm, square head with level, center gauge.

Item no.	Description
10448180	Set with all 4 parts
	<b>Spare parts:</b>
10448305	Ruler 300 mm
10448312	Angle head with vial
10448319	Centering Angle
10448321	Locking screw with spring

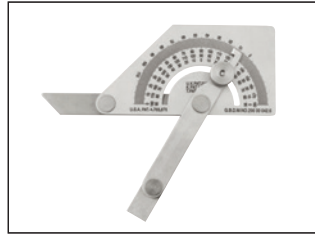
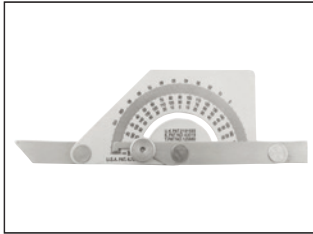
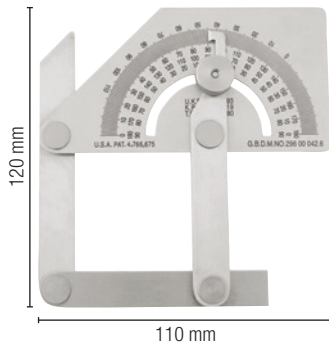


### ANGLE FINDER, ALUMINIUM

Used for in- and outside measurement of angles and slopes.

Item no.	Resolution
10446103	1°

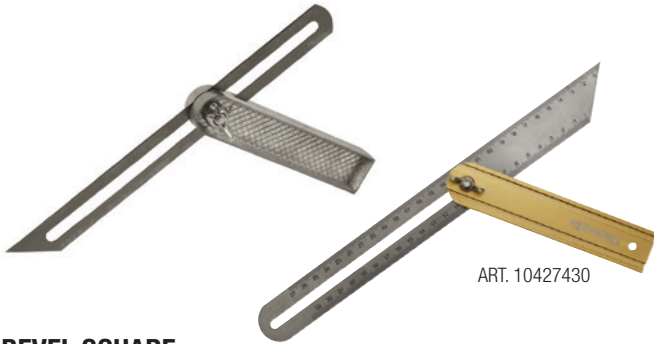




### ANGLE FINDER, STAINLESS STEEL

Used for in- and outside measurement of angles and slopes.

Item no.	Resolution
10446101	1°

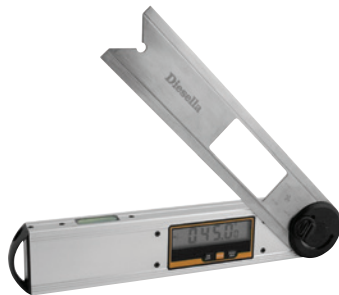


ART. 10427430

### BEVEL SQUARE

Molded handle tightened with wing nut.

Item no.	Blade length
10427200	200 mm
10427250	250 mm
10427300	300 mm
10427430	300 mm



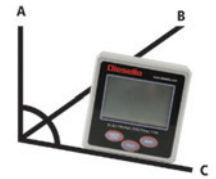
### DIGITAL PROTRACTOR

Easy measuring of all kinds of angles, measures 4 x 90°/360°, absolute / relative measurement conversion, always reads upright, easy calibration and zero setting, Locking knob on angleblade for precise drawing/cutting, accuracy 0,1°, auto off after 5 min.

Item no.	Range degree	ABS	Libelle	Resolution	Working area
10451200	0 - 360°	Ja	Ja	0,05°	230 x 230 mm
10451500	0 - 360°	Ja	Nej	0,05°	500 x 500 mm
10238530	Battery lithium 3V (CR2032) for ART. 10451xxx				



ART. 10453500



### DIGITAL BEVEL BOX IP54

Multifunctional angle gauge / spirit level. Magnets on 3 sides, to secure fixings on magnetic surfaces, measures ±180°, HOLD function, IP54. A genius tool for every industry. An example of use: Place bevel box on C, zero set, change position to B and read the actual angle between C and B. Restart bevel box and it works like a digital protractor again.

Item no.	Dimension	Resolution	Accuracy
10453500	51 x 51 x 32 mm	0,05°	0,05°
10238590	Battery 9V		



### DIGITAL ANGLE GAUGE WITH MAGNETIC BOTTOM

LCD display with automatic reverse of numbers, shows the angle in class or procent, zero setting in optional angle, magnetic bottom for attaching to metal surfaces.

Item no.	Range	Resolution	Accuracy	Dimension	Battery
10453250	4 x 90°	0,1°	0,3°	50 x 50 x 25 mm	3 x CR2032 (inkl.)



### DIGITAL PROTRACTOR

IP65. Ideal device for precise leveling and measuring of flatness and squareness - can be used for many pupose. Sturdy housing with aluminum, V-prism at top and bottom side. LCD display, on/off backlight, automatic 180° rotation, data HOLD function, ABS system, self calibration, on/off button, zero setting. Incl. 2 x AAA batteries.

Item no.	Dimensions	Range degrees	Resolution
10454385	150 x 60 x 33 mm	4 x 90°	0,01°



ART. 10455200

## LASER SPIRIT LEVEL WITH A BUILT IN DIGITAL ANGLE GAUGE AND LED LIGHT

Displays the angle in degrees with resolution of 0,05 or the percentage of the tilt. The display rotates automatically. The level has a vertical and horizontal bubble. The class 3B cross hair laser pointer is mounted at one end of the level, with an on/off switch located on the front panel.

Comes with a carry case and one 9V battery.

Item no.	Range	Resolution	Dimension
10455200			150 mm
10455225	4 x 90° (360°)	0,01° / 0,01%	220 mm
10455250	4 x 100%		400 mm
10455275			600 mm

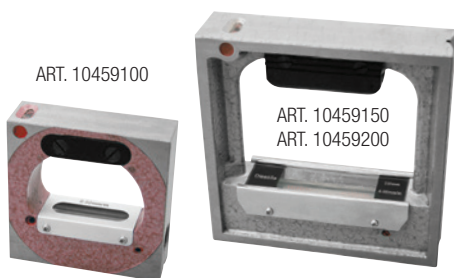


## DIGITAL LEVEL WITH LASER

360° measuring range, display always reads upright, no matter which way the level is turned, audible tone alerts you at 0,0°, 45° and 90,0°, HOLD function, auto off after 5 min., zero setting, ABS function, build-in laser with on/off button, supplied with hand bag and 2 pcs. AAA Batteries.

Item no.	Range ° or %	Resolution°	Dimension
10456625	4 x 90° ; 4 x 100%	0,01°	600 x 60 x 25 mm

ART. 10459100



## FRAME TYPE SPIRIT LEVEL

For alignment of vertical and horizontal machines. Adjustable main vial and one cross vial.

ART. 10459150 + ART. 10459200: 2 prism and 2 flat surfaces.

ART. 10459100: 1 prism and 3 flat surfaces.

All models are supplied in wooden box.

Item no.	Length x width	Resolution
10459100	100 x 100 mm	1 Div = 0,02/m
10459150	150 x 150 mm	1 Div = 0,02/m
10459200	200 x 200 mm	1 Div = 0,02/m



With magnet

## LINEAR SPIRIT LEVEL

High-grade cast-iron spirit level with prismatic base. For straightening or controlling of flat or cylindrical surfaces. Adjustable longitudinal spirit level - fixed transverse spirit level. Packed in solid wooden box.

Item no.	Length	Resolution	With magnet
10458200	200 mm	1 Div = 0,02/m	No
10458210	200 mm	1 Div = 0,1/m	No
10458300	300 mm	1 Div = 0,02/m	No
10458400	200 mm	1 Div = 0,02 mm/m	Yes
10458500	300 mm	1 Div = 0,02 mm/m	Yes



## FRAME TYPE SPIRIT LEVEL

With magnet. 1 Div = 0,02/m

Item no.	Length	Width
10459350	150 mm	150 mm
10459150	200 mm	200 mm



## QUICK CHECK MULTI-FUNCTION STANDARD

For check of calipers, micrometers, depth gages, bore gages, test and dial indicators, caliper gages, height gages, protractors, combination sets and more. Supplied with works certificate.

Item no.	Size	Material	Accuracy	Weight
10399225	150 x 100 x 75 mm	Steel	± 0,005 mm	4,0 kg

## VIAL

Different forms with different mounting.



Type 1



Type 2



Type 3



Type 4



Type 5.1

Type 5



Type 6.1

Type 6



Type 7



Type 8

Item no.	Type	Description	Foot dim.	Vial dim.	Quantity
10457080	1	Hole mounting, chrome plated	20 mm	14 mm	1 pc
10457079	2	Screw mounting in bottom 1 x M5 / 3 x M3	24 mm	16 mm	1 pc
10457077	3	Flange mounting, 3 holes, metal	25 mm	17 mm	1 pc
10457070	4	Metal house, screw mounting	110 mm	14 mm	1 pc
10457086	5	Acrylic	14 mm	14 mm	1 pc
10457089	5	Acrylic	20 mm	20 mm	1 pc
10457092	5.1	Acrylic	40 mm	40 mm	1 pc
10457096	6	Flange mounting, 3 holes, plast	30 mm	20 mm	1 pc
10457098	6.1	Flange mounting, 3 holes, plast	60 mm	34 mm	1 pc
10457100	6.1	Flange mounting, 3 holes, plast	100 mm	75 mm	1 pc
10457200	7	Line level 8 cm of strong plast	75 mm	35 mm	1 pc
10457065	8	Flange mounting, 2 holes, cross vial of plastic	50 x 35 mm	30 mm	1 pc



## GAUGE BLOCKS GR. 1 47 PCS.

The blocks comply with DIN 861/1. For calibrating and setting test gauges, reference gauges, and for adjusting length measuring instruments as well as for accurate testing in quality control. The set is delivered in a hard case for protecting and storing the gauge blocks. The blocks are also available separately.

Item no.	Number per set	Grade	Contents/pcs
10395250	47 pr. sæt	1	1 pcs 1,005 mm 20 pcs 1,01 - 1,20 mm 7 pcs 1,30 - 1,90 mm 9 pcs 1,00 - 9,00 mm 10 pcs 10 - 100 mm



Picture only serve as an illustration - an updated version will follow soon.

## CONTROL SET (5 PCS.) ALUMINIUM BOX

For testing the accuracy of calipers according to DIN 862.

Item no.	Ring gauge	Tolerance grade	Size of gauge blocks
10395325	Ø4 mm Ø25 mm	1	30,0 mm 41,3 mm 131,4 mm

## WHITE GLOVES

100% cotton. Can be used using measuring tools, measuring blocks, etc.

Item no.	Size	Packing
10396109	9	1 pair
10396210	10	1 pair
10396311	11	1 pair





## GAUGE BLOCK STEEL

Single pieces. DIN 861/1.

Item no.	Size
10397108	1,005 mm
10397116	1,00 mm
10397124	1,01 mm
10397132	1,02 mm
10397140	1,03 mm
10397148	1,04 mm
10397156	1,05 mm
10397164	1,06 mm
10397172	1,07 mm
10397180	1,08 mm
10397188	1,09 mm
10397196	1,10 mm
10397204	1,11 mm
10397212	1,12 mm
10397220	1,13 mm
10397228	1,14 mm
10397236	1,15 mm
10397244	1,16 mm
10397252	1,17 mm
10397260	1,18 mm
10397268	1,19 mm
10397276	1,20 mm
10397284	1,30 mm
10397292	1,40 mm
10397300	1,50 mm
10397308	1,60 mm
10397316	1,70 mm
10397324	1,80 mm
10397332	1,90 mm
10397340	2,00 mm
10397348	2,50 mm
10397356	3,00 mm
10397364	4,00 mm
10397372	5,00 mm
10397380	5,10 mm
10397388	6,00 mm
10397396	7,00 mm
10397404	7,70 mm
10397412	8,00 mm
10397420	9,00 mm
10397428	10,00 mm
10397452	10,30 mm
10397492	12,90 mm
10397524	15,00 mm
10397556	17,60 mm
10397580	20,00 mm
10397604	20,20 mm
10397628	22,80 mm
10397656	25,00 mm
10397684	30,00 mm
10397712	40,00 mm
10397718	41,30 mm
10397736	50,00 mm
10397760	60,00 mm

10397784	70,00 mm
10397812	80,00 mm
10397836	90,00 mm
10397860	100,00 mm
10397875	125,00 mm
10397880	131,40 mm
10397890	150,00 mm
10397905	175,00 mm
10397920	200,00 mm
10397935	250,00 mm
10397950	300,00 mm
10397965	400,00 mm
10397980	500,00 mm

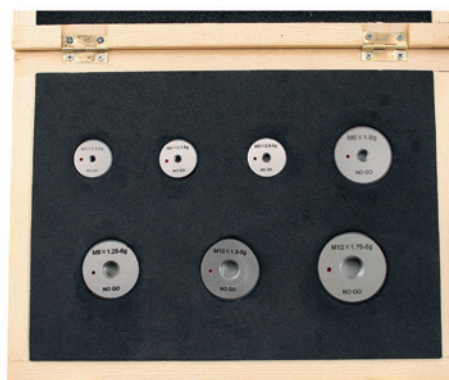


## THREAD PLUG GAUGE SET M3 - M12, GO/NOGO

6H metric. Special steel, hardened, fine ground.

Packing: Wooden box with foam.

Item no.	Content	Standard	Type
10515590	1 gauge of each (M3, M4, M5, M6, M8, M10, M12)	DIN 13	Go and NoGo on single handle



## THREAD RING GAUGES IN SET M3 - M12

6g metric. Special steel, hardened, fine ground.

Packing: Wooden box with foam.

Item no.	Content	Standard	Type	Type
10520995	1 gauge of each (M3, M4, M5, M6, M8, M10, M12)	DIN 13	Knurled on the outside	NoGo
10520990				Go



## THREAD GAUGES 6H, METRIC

Metric standard and fine threads 60° DIN 13. Go - NoGo.

## THREAD RING GAUGE 6G, METRIC

Metric standard and fine threads 60° DIN 13. Go - NoGo.

Dimensions included in metric standard thread are marked as **bold**.

Size = Thread-Ø x pitch	Thread gauge 6H, GO / NOGO, Item no.	Thread ring gauge 6g, GO Item no.	Thread ring gauge 6g, NOGO Item no.
M1 x 0,25	10515105	-	-
M1,4 x 0,3	10515108	-	-
M1,6 x 0,35	10515111	-	-
<b>M2 x 0,4</b>	<b>10515114</b>	<b>10520106</b>	<b>10520103</b>
<b>M2,5 x 0,45</b>	<b>10515117</b>	<b>10520112</b>	<b>10520109</b>
<b>M3 x 0,5</b>	<b>10515120</b>	<b>10520118</b>	<b>10520115</b>
<b>M3,5 x 0,6</b>	<b>10515123</b>	<b>10520124</b>	<b>10520121</b>
<b>M4 x 0,7</b>	<b>10515126</b>	<b>10520130</b>	<b>10520127</b>
M5 x 0,5	10515129	10520136	10520133
<b>M5 x 0,8</b>	<b>10515132</b>	<b>10520142</b>	<b>10520139</b>
M6 x 0,5	10515135	10520148	10520145
M6 x 0,75	10515138	10520154	10520151
<b>M6 x 1,0</b>	<b>10515141</b>	<b>10520160</b>	<b>10520157</b>
M7 x 0,75	10515144	10520166	10520163
<b>M7 x 1,0</b>	<b>10515147</b>	<b>10520172</b>	<b>10520169</b>
M8 x 0,5	10515150	10520178	10520175
M8 x 0,75	10515153	10520184	10520181
M8 x 1,0	10515156	10520190	10520187
<b>M8 x 1,25</b>	<b>10515159</b>	<b>10520196</b>	<b>10520193</b>
M9 x 0,75	-	10520199	-
M9 x 1,0	10515162	10520205	10520202
<b>M9 x 1,25</b>	<b>10515165</b>	<b>10520211</b>	<b>10520208</b>
M10 x 0,5	10515168	10520217	10520214
M10 x 0,75	10515171	10520223	10520220
M10 x 1,0	10515174	10520229	10520226
M10 x 1,25	10515177	10520235	10520232
<b>M10 x 1,5</b>	<b>10515180</b>	<b>10520241</b>	<b>10520238</b>
M11 x 0,75	10515183	10520247	10520244
M11 x 1,25	10515186	10520253	10520250
<b>M11 x 1,5</b>	<b>10515189</b>	<b>10520259</b>	<b>10520256</b>
M12 x 1,00	10515192	10520265	10520262
M12 x 1,25	10515195	10520271	10520268
M12 x 1,5	10515198	10520277	10520274
<b>M12 x 1,75</b>	<b>10515201</b>	<b>10520283</b>	<b>10520280</b>
M14 x 0,75	10515204	10520289	10520286
M14 x 1,0	10515207	10520295	10520292
M14 x 1,25	10515210	10520301	10520298
M14 x 1,5	10515213	10520307	10520304
<b>M14 x 2,0</b>	<b>10515216</b>	<b>10520313</b>	<b>10520310</b>
M16 x 1,0	10515219	10520319	10520316
M16 x 1,25	10515222	10520325	10520322
M16 x 1,5	10515225	10520331	10520328
<b>M16 x 2,0</b>	<b>10515228</b>	<b>10520340</b>	<b>10520334</b>
M18 x 1,0	10515231	10520346	10520343
M18 x 1,25	-	10520347	-
M18 x 1,5	10515234	10520352	10520349
M18 x 2,0	10515237	10520358	10520355

Size = Thread-Ø x pitch	Thread gauge 6H, GO / NOGO, Item no.	Thread ring gauge 6g, GO Item no.	Thread ring gauge 6g, NOGO Item no.
<b>M18 x 2,5</b>	<b>10515240</b>	<b>10520364</b>	<b>10520361</b>
M20 x 0,75	10515243	10520370	10520367
M20 x 1,00	10515246	10520376	10520373
M20 x 1,5	10515249	10520382	10520379
M20 x 2,0	10515252	10520388	10520385
<b>M20 x 2,5</b>	<b>10515255</b>	<b>10520397</b>	<b>10520391</b>
M22 x 1,5	10515258	10520403	10520400
M22 x 2,0	10515261	10520409	10520406
<b>M22 x 2,5</b>	<b>10515264</b>	<b>10520415</b>	<b>10520412</b>
M24 x 1,0	10515267	10520421	10520418
M24 x 1,5	10515270	10520427	10520424
M24 x 2,0	10515273	10520433	10520430
M24 x 3,0	10515276	10520442	10520436
M25 x 1,5	10515279	10520448	10520445
M26 x 0,75	10515282	10520454	10520451
M26 x 1,5	10515285	10520460	10520457
M27 x 1,5	10515288	10520466	10520463
M27 x 2,0	10515291	10520472	10520469
<b>M27 x 3,0</b>	<b>10515294</b>	<b>10520478</b>	<b>10520475</b>
M28 x 1,5	10515297	10520484	10520481
M30 x 1,0	10515300	10520490	10520487
M30 x 1,5	10515303	10520496	10520493
M30 x 2,0	10515306	10520502	10520499
M30 x 3,0	10515309	10520508	10520505
<b>M30 x 3,5</b>	<b>10515312</b>	<b>10520514</b>	<b>10520511</b>
M32 x 1,5	10515315	10520520	10520517
M33 x 1,0	10515318	10520526	10520523
M33 x 1,5	10515321	10520532	10520529
M33 x 2,0	10515324	10520538	10520535
M33 x 3,0	10515327	10520544	10520541
<b>M33 x 3,5</b>	<b>10515330</b>	<b>10520550</b>	<b>10520547</b>
M35 x 1,5	10515333	10520556	10520553
M36 x 0,75	10515334	10520558	-
M36 x 1,5	10515336	10520562	10520559
M36 x 2,0	10515339	10520568	10520565
M36 x 3,0	10515342	10520574	10520571
<b>M36 x 4,0</b>	<b>10515345</b>	<b>10520580</b>	<b>10520577</b>
M38 x 1,5	10515348	10520589	10520586
M39 x 0,75	10515353	10520591	-
M39 x 2,0	10515354	10520595	10520592
M39 x 3,0	10515357	10520601	10520598
<b>M39 x 4,0</b>	<b>10515360</b>	<b>10520607</b>	<b>10520604</b>
M40 x 1,5	10515363	10520613	10520610
M42 x 1,5	10515366	10520619	10520616
M42 x 2,0	10515369	10520625	10520622
M42 x 3,0	10515372	10520631	10520628
M42 x 4,0	10515375	10520637	10520634
<b>M42 x 4,5</b>	<b>10515378</b>	<b>10520643</b>	<b>10520640</b>
M43 x 0,75	-	10520641	-
M45 x 1,5	10515381	10520649	10520646
M45 x 2,0	10515384	10520655	10520652
M45 x 3,0	10515387	10520661	10520658
M45 x 4,0	10515390	10520667	10520664
<b>M45 x 4,5</b>	<b>10515393</b>	<b>10520673</b>	<b>10520670</b>
M48 x 1,5	10515396	10520679	10520676
M48 x 2,0	10515399	10520685	10520682
M48 x 3,0	10515402	10520691	10520688
M48 x 4,0	10515405	10520697	10520694
<b>M48 x 5,0</b>	<b>10515408</b>	<b>10520703</b>	<b>10520700</b>
M50 x 2,0	10515411	10520709	10520706
M52 x 1,5	10515414	10520715	10520712
M52 x 2,0	10515417	10520721	10520718
M52 x 3,0	10515420	10520727	10520724
M52 x 4,0	10515423	10520733	10520730

Size = Thread-Ø x pitch	Thread gauge 6H, GO / NOGO, Item no.	Thread ring gauge 6g, GO Item no.	Thread ring gauge 6g, NOGO Item no.
M52 x 5,0	10515426	10520739	10520736
M56 x 1,5	10515429	10520745	10520742
M56 x 2,0	10515432	10520751	10520748
M56 x 3,0	10515435	10520757	10520754
M56 x 4,0	10515438	10520763	10520760
M56 x 5,5	10515441	10520769	10520766
M60 x 1,5	10515444	10520775	10520772
M60 x 2,0	10515447	10520781	10520778
M60 x 3,0	10515450	10520787	10520784
M60 x 4,0	10515453	10520793	10520790
M60 x 5,5	10515456	10520799	10520796
M64 x 1,5	10515459	10520805	10520802
M64 x 2,0	10515462	10520811	10520808
M64 x 3,0	10515465	10520817	10520814
M64 x 4,0	10515468	10520823	10520820
M64 x 6,0	10515471	10520829	10520826
M66 x 0,75	10515472	10520831	-
M68 x 1,5	10515474	10520835	10520832
M68 x 2,0	10515477	10520841	10520838
M68 x 3,0	10515480	10520847	10520844
M68 x 4,0	10515483	10520853	10520850
M68 x 6,0	10515486	10520859	10520856
M70 x 4,0	10515487	10520860	-
M72 x 1,5	10515489	10520865	10520862
M72 x 2,0	10515492	10520871	10520868
M72 x 3,0	10515495	10520877	10520874
M72 x 4,0	10515498	10520883	10520880
M72 x 6,0	10515501	10520889	10520886
M76 x 1,5	10515504	10520895	10520892
M76 x 2,0	10515507	10520901	10520898
M76 x 3,0	10515510	10520907	10520904
M76 x 4,0	10515513	10520913	10520910
M76 x 6,0	10515516	10520919	10520916
M80 x 3,0	10515519	10520925	10520922
M80 x 4,0	10515522	10520931	10520928
M80 x 6,0	10515525	10520937	10520934
M85 x 4,0	10515528	10520943	10520940
M85 x 6,0	10515531	10520949	10520946
M90 x 4,0	10515534	10520955	10520952
M90 x 6,0	10515537	10520961	10520958
M95 x 4,0	10515540	10520967	10520964
M95 x 6,0	10515543	10520973	10520970
M100 x 4,0	10515546	10520979	10520976
M100 x 6,0	10515549	10520985	10520982



Other dimensions and threadtypes, can be delivered on demand.



## THREAD GAUGES

Pipe thread. ISO/DIN 228, 1/8" - 2".  
Go - NoGo.

## THREAD RING GAUGES

Pipe thread. ISO/DIN 228, 1/8" - 2".  
Go or NoGo.

Size = Thread-Ø x pitch	Thread gauge GO / NOGO Item no.	Thread ring gauge GO Item no.	Thread ring gauge NOGO Item no.
1/8" G	10525104	10531118	10531110
1/4" G	10525112	10531134	10531126
3/8" G	10525120	10531150	10531142
1/2" G	10525128	10531164	10531158
3/4" G	10525136	10531180	10531172
1" G	10525144	10531196	10531188
1 1/4" G	10525152	10531212	10531204
1 1/2" G	10525160	10531228	10531220
1 3/4" G	10525168	10531244	10531236
2" G	10525176	10531260	10531252



## CYLINDRIC PLUG GAUGES

ISO/DIN 2245 H7, 29/5000 for control of smooth holes.  
Cylindric Go / Nogo.

Size	Item no.	Size	Item no.
Ø 2 mm	10545107	Ø 24 mm	10545261
Ø 3 mm	10545114	Ø 25 mm	10545268
Ø 4 mm	10545121	Ø 26 mm	10545275
Ø 5 mm	10545128	Ø 27 mm	10545282
Ø 6 mm	10545135	Ø 28 mm	10545289
Ø 7 mm	10545142	Ø 30 mm	10545296
Ø 8 mm	10545149	Ø 32 mm	10545303
Ø 9 mm	10545156	Ø 33 mm	10545310
Ø 10 mm	10545163	Ø 34 mm	10545317
Ø 11 mm	10545170	Ø 35 mm	10545324
Ø 12 mm	10545177	Ø 36 mm	10545331
Ø 13 mm	10545184	Ø 37 mm	10545338
Ø 14 mm	10545191	Ø 38 mm	10545345
Ø 15 mm	10545198	Ø 40 mm	10545352
Ø 16 mm	10545205	Ø 42 mm	10545359
Ø 17 mm	10545212	Ø 44 mm	10545366
Ø 18 mm	10545219	Ø 45 mm	10545373
Ø 19 mm	10545226	Ø 46 mm	10545380
Ø 20 mm	10545233	Ø 47 mm	10545387
Ø 21 mm	10545240	Ø 48 mm	10545394
Ø 22 mm	10545247	Ø 50 mm	10545401
Ø 23 mm	10545254		





## FEELER GAUGE TAPE

Used for adjustment and control of distance/space. Produced for tolerance T3. Length: 5000 mm. (\* = 1000 mm)

Item no.	Thickness	Width	Material
10588000	0,005 mm	12,7 mm	C-steel (no. 1.1274)
10588001	0,01 mm	12,7 mm	C-steel (no. 1.1274)
10588002	0,02 mm	12,7 mm	C-steel (no. 1.1274)
10588003	0,03 mm	12,7 mm	C-steel (no. 1.1274)
10588004	0,04 mm	12,7 mm	C-steel (no. 1.1274)
10588005	0,05 mm	12,7 mm	C-steel (no. 1.1274)
10588006	0,06 mm	12,7 mm	C-steel (no. 1.1274)
10588007	0,07 mm	12,7 mm	C-steel (no. 1.1274)
10588008	0,08 mm	12,7 mm	C-steel (no. 1.1274)
10588009	0,09 mm	12,7 mm	C-steel (no. 1.1274)
10588010	0,10 mm	12,7 mm	C-steel (no. 1.1274)
10588012	0,12 mm	12,7 mm	C-steel (no. 1.1274)
10588015	0,15 mm	12,7 mm	C-steel (no. 1.1274)
10588020	0,20 mm	12,7 mm	C-steel (no. 1.1274)
10588025	0,25 mm	12,7 mm	C-steel (no. 1.1274)
10588030	0,30 mm	12,7 mm	C-steel (no. 1.1274)
10588035	0,35 mm	12,7 mm	C-steel (no. 1.1274)
10588040	0,40 mm	12,7 mm	C-steel (no. 1.1274)
10588045	0,45 mm	12,7 mm	C-steel (no. 1.1274)
10588050	0,50 mm	12,7 mm	C-steel (no. 1.1274)
10588055	0,55 mm	12,7 mm	C-steel (no. 1.1274)
10588060	0,60 mm	12,7 mm	C-steel (no. 1.1274)
10588065	0,65 mm	12,7 mm	C-steel (no. 1.1274)
10588070	0,70 mm	12,7 mm	C-steel (no. 1.1274)
10588080	0,80 mm	12,7 mm	C-steel (no. 1.1274)
10588090	0,90 mm	12,7 mm	C-steel (no. 1.1274)
10588100	1,00 mm	12,7 mm	C-steel (no. 1.1274)
* 10588150	1,50 mm	12,7 mm	C-steel (no. 1.1274)
* 10588200	2,00 mm	12,7 mm	C-steel (no. 1.1274)
10588410	0,02 mm	25 mm	C-steel (no. 1.1274)
10588413	0,03 mm	25 mm	C-steel (no. 1.1274)
10588416	0,04 mm	25 mm	C-steel (no. 1.1274)
10588419	0,05 mm	25 mm	C-steel (no. 1.1274)
10588422	0,06 mm	25 mm	C-steel (no. 1.1274)
10588425	0,07 mm	25 mm	C-steel (no. 1.1274)
10588428	0,08 mm	25 mm	C-steel (no. 1.1274)
10588431	0,09 mm	25 mm	C-steel (no. 1.1274)
10588434	0,10 mm	25 mm	C-steel (no. 1.1274)
10588443	0,15 mm	25 mm	C-steel (no. 1.1274)
10588446	0,20 mm	25 mm	C-steel (no. 1.1274)
10588449	0,25 mm	25 mm	C-steel (no. 1.1274)
10588452	0,30 mm	25 mm	C-steel (no. 1.1274)
10588455	0,40 mm	25 mm	C-steel (no. 1.1274)
10588458	0,50 mm	25 mm	C-steel (no. 1.1274)
10588461	0,60 mm	25 mm	C-steel (no. 1.1274)
10588464	0,70 mm	25 mm	C-steel (no. 1.1274)
10588467	0,80 mm	25 mm	C-steel (no. 1.1274)
10588470	0,90 mm	25 mm	C-steel (no. 1.1274)
10588473	1,00 mm	25 mm	C-steel (no. 1.1274)
10588504	0,01 mm	50 mm	C-steel (no. 1.1274)
10588507	0,02 mm	50 mm	C-steel (no. 1.1274)
10588510	0,03 mm	50 mm	C-steel (no. 1.1274)
10588514	0,04 mm	50 mm	C-steel (no. 1.1274)
10588517	0,05 mm	50 mm	C-steel (no. 1.1274)
10588521	0,06 mm	50 mm	C-steel (no. 1.1274)

Item no.	Thickness	Width	Material
10588524	0,07 mm	50 mm	C-steel (no. 1.1274)
10588528	0,08 mm	50 mm	C-steel (no. 1.1274)
10588530	0,09 mm	50 mm	C-steel (no. 1.1274)
10588532	0,10 mm	50 mm	C-steel (no. 1.1274)
10588534	0,10 mm	50 mm	C-steel (no. 1.1274)
10588538	0,15 mm	50 mm	C-steel (no. 1.1274)
10588540	0,20 mm	50 mm	C-steel (no. 1.1274)
10588541	0,25 mm	50 mm	C-steel (no. 1.1274)
10588542	0,30 mm	50 mm	C-steel (no. 1.1274)
10588543	0,35 mm	50 mm	C-steel (no. 1.1274)
10588544	0,40 mm	50 mm	C-steel (no. 1.1274)
10588545	0,45 mm	50 mm	C-steel (no. 1.1274)
10588546	0,50 mm	50 mm	C-steel (no. 1.1274)
10588548	0,60 mm	50 mm	C-steel (no. 1.1274)
10588550	0,70 mm	50 mm	C-steel (no. 1.1274)
10588552	0,80 mm	50 mm	C-steel (no. 1.1274)
10588554	0,90 mm	50 mm	C-steel (no. 1.1274)
10588556	1,00 mm	50 mm	C-steel (no. 1.1274)
10588569	0,15 mm	50 mm	CrNi-steel (nr. 1.4310) - INOX
10588570	0,20 mm	50 mm	CrNi-steel (nr. 1.4310) - INOX
10588571	0,30 mm	50 mm	CrNi-steel (nr. 1.4310) - INOX
10588572	0,50 mm	50 mm	CrNi-steel (nr. 1.4310) - INOX
10588575	0,005 mm	50 mm	CrNi-steel (no. 1.4310) - INOX
10588580	0,04 mm	50 mm	CrNi-steel (no. 1.4310) - INOX
10588582	0,05 mm	50 mm	CrNi-steel (no. 1.4310) - INOX
10588602	0,02 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588603	0,03 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588604	0,04 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588610	0,05 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588611	0,06 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588612	0,07 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588615	0,08 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588616	0,09 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588620	0,10 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588630	0,15 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588640	0,20 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588645	0,25 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588650	0,30 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588652	0,35 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588655	0,40 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588657	0,45 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588660	0,50 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588670	0,60 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588675	0,70 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588680	0,80 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588690	0,90 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588695	1,00 mm	100 mm	CrNi-steel (no. 1.4310) - INOX
10588700	0,025 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588705	0,050 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588710	0,075 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588715	0,10 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588720	0,15 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588725	0,20 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588730	0,25 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588735	0,30 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588740	0,40 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588745	0,50 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588750	0,60 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588755	0,65 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588760	0,70 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588765	0,80 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588770	0,90 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588775	1,00 mm	150 mm	CrNi-steel (no. 1.4310) - INOX
10588800	0,01 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588810	0,02 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX

Item no.	Thickness	Width	Material
10588820	0,03 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588830	0,05 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588840	0,10 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588841	0,11 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588843	0,12 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588844	0,14 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588850	0,15 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588860	0,20 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588870	0,30 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588880	0,40 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588890	0,50 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588895	0,60 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588896	0,70 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588897	0,80 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588898	0,90 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588898	0,90 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588900	1,00 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588905	0,50 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX
10588910	1,00 mm	12,7 mm	CrNi-steel (no. 1.4310) - INOX



### FLAT SHEET (50 X 300 MM)

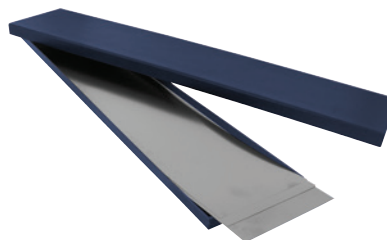
Used for adjustment and control of distance/space.  
 Produceret for tolerance T3. C-steel (no. 1.1274)

Item no.	Thickness	Width	Length	Sheets per package
10581001	0,01 mm	50 mm	300 mm	10
10581002	0,02 mm	50 mm	300 mm	10
10581003	0,03 mm	50 mm	300 mm	10
10581004	0,04 mm	50 mm	300 mm	10
10581005	0,05 mm	50 mm	300 mm	10
10581006	0,06 mm	50 mm	300 mm	10
10581007	0,07 mm	50 mm	300 mm	10
10581008	0,08 mm	50 mm	300 mm	10
10581009	0,09 mm	50 mm	300 mm	10
10581010	0,10 mm	50 mm	300 mm	10
10581012	0,12 mm	50 mm	300 mm	10
10581015	0,15 mm	50 mm	300 mm	10
10581018	0,18 mm	50 mm	300 mm	10
10581020	0,20 mm	50 mm	300 mm	10
10581025	0,25 mm	50 mm	300 mm	10
10581030	0,30 mm	50 mm	300 mm	10
10581035	0,35 mm	50 mm	300 mm	10
10581040	0,40 mm	50 mm	300 mm	10
10581045	0,45 mm	50 mm	300 mm	10
10581050	0,50 mm	50 mm	300 mm	10
10581060	0,60 mm	50 mm	300 mm	10
10581070	0,70 mm	50 mm	300 mm	10
10581080	0,80 mm	50 mm	300 mm	10
10581090	0,90 mm	50 mm	300 mm	10
10581100	1,00 mm	50 mm	300 mm	10

### ASSORTMENT OF FLAT SHEETS

C-steel (nr. 1.1274). Consist of 1 sheet of each thickness.

Vare nr.	Thickness	Width	Length	Sheets
10581925	0,02 - 0,03 - 0,05 - 0,10 - 0,15 0,20 - 0,25 - 0,30 - 0,40 - 0,50 - 1,00	50 mm	300 mm	11 per pack
10581940	0,01 - 0,02 - 0,03 - 0,04 - 0,05 0,06 - 0,07 - 0,08 - 0,09 - 0,10 0,12 - 0,15 - 0,18 - 0,20 - 0,25 0,30 - 0,35 - 0,40 - 0,45 - 0,50 0,60 - 0,70 - 0,80 - 0,90 - 1,00	50 mm	300 mm	25 per pack



### FLAT SHEET (100 X 500 MM)

Used for adjustment and control of distance/space.  
 Produceret for tolerance T3. C-steel (no. 1.1274)

Item no.	Thickness	Width	Length	Sheets per package
10583002	0,015 mm	100 mm	500 mm	5
10583004	0,045 mm	100 mm	500 mm	5
10583005	0,05 mm	100 mm	500 mm	5
10583010	0,10 mm	100 mm	500 mm	5
10583015	0,15 mm	100 mm	500 mm	5
10583020	0,20 mm	100 mm	500 mm	5
10583025	0,25 mm	100 mm	500 mm	5
10583030	0,30 mm	100 mm	500 mm	5
10583040	0,40 mm	100 mm	500 mm	5
10583050	0,50 mm	100 mm	500 mm	5
10583060	0,60 mm	100 mm	500 mm	5
10583070	0,70 mm	100 mm	500 mm	5
10583080	0,80 mm	100 mm	500 mm	5
10583090	0,90 mm	100 mm	500 mm	5
10583100	1,00 mm	100 mm	500 mm	5

### FLAT SHEET (150 X 500 MM)

Used for adjustment and control of distance/space.  
 Produceret for tolerance T3. CrNi-steel (no. 1.4310)

Item no.	Thickness	Width	Length	Sheets per package
10582002	0,025 mm	150 mm	500 mm	5
10582005	0,050 mm	150 mm	500 mm	5
10582007	0,075 mm	150 mm	500 mm	5
10582010	0,10 mm	150 mm	500 mm	5
10582015	0,15 mm	150 mm	500 mm	5
10582020	0,20 mm	150 mm	500 mm	5
10582025	0,25 mm	150 mm	500 mm	5
10582030	0,30 mm	150 mm	500 mm	5
10582040	0,40 mm	150 mm	500 mm	5
10582050	0,50 mm	150 mm	500 mm	5
10582060	0,60 mm	150 mm	500 mm	5
10582065	0,65 mm	150 mm	500 mm	5
10582070	0,70 mm	150 mm	500 mm	5
10582080	0,80 mm	150 mm	500 mm	5
10582090	0,90 mm	150 mm	500 mm	5
10582100	1,00 mm	150 mm	500 mm	5
10582120	1,20 mm	150 mm	500 mm	5
10582150	1,50 mm	150 mm	500 mm	5
10582180	1,80 mm	150 mm	500 mm	5
10582200	2,00 mm	150 mm	500 mm	5



## BRASS FEELER GAUGE (150 X 5000 MM)

Brass (no. 2.0321)

Item no.	Thickness	Width	Length
10589002	0,01 mm	150 mm	5000 mm
10589004	0,02 mm	150 mm	5000 mm
10589006	0,025 mm	150 mm	5000 mm
10589008	0,03 mm	150 mm	5000 mm
10589010	0,04 mm	150 mm	5000 mm
10589012	0,05 mm	150 mm	5000 mm
10589014	0,075 mm	150 mm	5000 mm
10589016	0,10 mm	150 mm	5000 mm
10589018	0,15 mm	150 mm	5000 mm
10589020	0,20 mm	150 mm	5000 mm
10589022	0,25 mm	150 mm	5000 mm
10589024	0,30 mm	150 mm	5000 mm
10589026	0,40 mm	150 mm	5000 mm
10589028	0,50 mm	150 mm	5000 mm
10589030	0,60 mm	150 mm	5000 mm
10589032	0,70 mm	150 mm	5000 mm
10589034	0,80 mm	150 mm	5000 mm
10589036	0,90 mm	150 mm	5000 mm
10589038	1,00 mm	150 mm	5000 mm
10589195	Sortiment, 10 ark from 0,025 to 0,50 mm (150 x 500 mm)		



## HOLDER FOR FEELER GAUGE BLADES

Ensures effective use and exploitation of feeler gauge.

Item no.

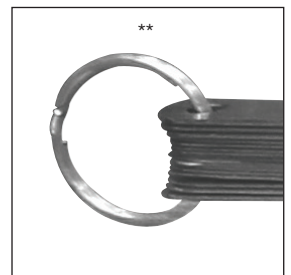
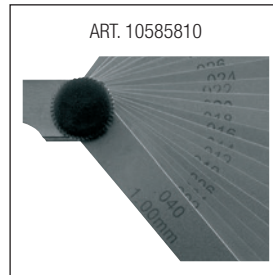
10588935



## ANTI-MAGNETIC FEELER GAUGE

20 blades. Brass (anti magnetic)

Item no.	Range	Blade length	Blades
10585110	0 - 5 - 1,00 x 0,05 mm	100 mm	20



## FEELER GAUGE

For control of slots games in bearings, etc. 100/200 mm guard hanger with locking screws. 300/500/800/1000 mm are provided on ring.

\* is marked with mm and inch.

\*\* asampled with key ring.

Item no.	Range	Inox	Blade length	Blades
10585093	0,05 - 1,00 mm	A2	100 mm	13
10585108	0,05 - 1,00 x 0,05 (INOX) mm	A4	100 mm	20
10585100	0,05 - 1,00 x 0,05 mm	A2	100 mm	20
10585117	0,1 - 2,0 x 0,1 mm	A2	100 mm	20
10585810*	0,002 - 0,040" / 0,05 - 1,00 mm	A2	100 mm	20
10585193	0,05 - 1,00 mm	A2	200 mm	13
10585200	0,05 - 1,00 x 0,05 mm	A2	200 mm	20
10585300	0,05 - 1,00 x 0,05 mm	A2	300 mm	20
10585500**	0,05 - 1,00 x 0,05 mm	A2	500 mm	20
10585808**	0,05 - 1,00 x 0,05 mm	A2	800 mm	20
10585817**	0,10 - 2,00 x 0,05 mm	A2	800 mm	20
10585908**	0,05 - 1,00 x 0,05 mm	A2	1000 mm	20
10585917**	0,10 - 2,00 x 0,05 mm	A2	1000 mm	20

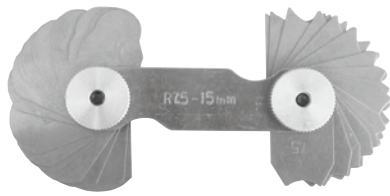


## FEELER GAUGE

6 blades INOX (A2). Angled type.

Item no.	Range	Width	Blade length
10585190	0,25 - 0,55 mm	12,7 mm	125 mm





### RADIUS GAUGE

Concav and convex form.

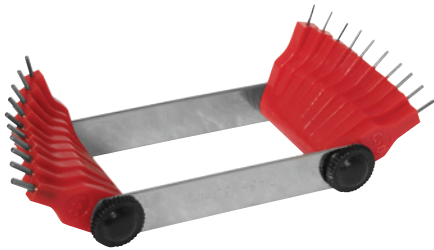
Item no.	Radius	Number of blades
10591070	1,0 - 7,0 mm	17 pcs
10591150	7,5 - 15 mm	16 pcs
10591250	15,5 - 25,0 mm	15 pcs



### SCHREW PITCH GAUGE

For inside and outside measurement with locking screw,

Item no.	MM 60°	WW 55°	Inch 55°	Number of blades
10594150	0,25 - 6,00	62G - 4G	-	52
10594165	0,25 - 6,00	62G - 4G	28RG - 8RG	58
10594200	UNC (4-64 t.p.i.)	-	-	22
10594220	UNF (12-80 t.p.i.)	-	-	16



### JET GAUGE

Used to determine the size of a hole.

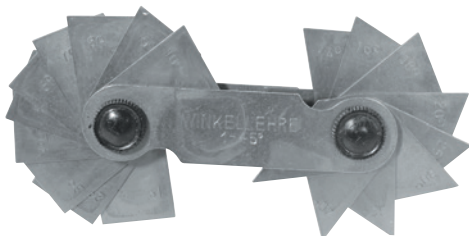
Item no.	Number of blades	Range
10593100	20 pcs	0,45 - 1,50 mm
10593200	16 pcs	1,50 - 3,00 mm



### ANGULAR THREAD CUTTING GAUGE

For control of thread.

Item no.	Angle	Thread type
10596155	55°	WW + RG
10596160	60°	M + UNC + UNF



### ANGLE GAUGE

Used to determine an angle.

1° - 2° - 3° - 4° - 5° - 6° - 7° - 8° - 9° - 10° - 12° - 14° - 16° - 18° - 20° - 25° - 30° - 35° - 40° - 45°.

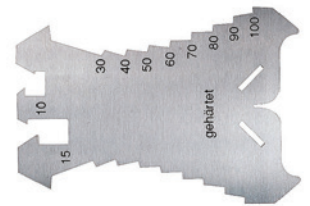
Item no.	Number of blades
10593300	20 pcs



### TWIST DRILL GRINDING GAUGE 118°

Used for grinding twist drills up to Ø 50 mm.

Item no.	Point angle
10595050	118°



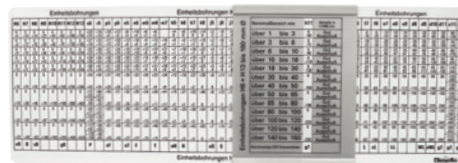
### SCRIBE GAUGE FOR SCRIBING AND MARKING ON PLATE

For scribing and marking on plate.  
For zinc and cobber.

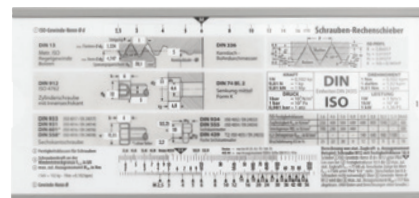
Item no.	Range	Length	Width	Material
10597100	5 - 100 mm	140 mm	100 mm	Harded stainless



ART. 10594010



ART. 10594020



ART. 10594030

### TABLE OF TOLERANCE

ART. 10594010 - For thread and nut/spring. MM thread 1 - 95 mm, Withworth 1/4" - 6". Pipe thread 1/8" - 18". Nuts on shaft Ø4 - 100 mm.

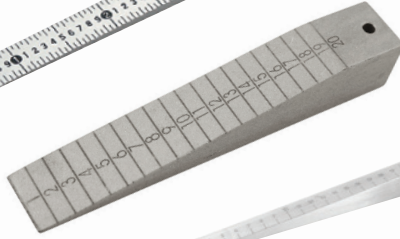
ART. 10594020 - ISO fit selector shaft and hole 1-160 mm, s6-h12 S7-H13.

ART. 10594030 - For metric thread, dim. and torque. The table shows thread dim., dim. on bolt head, unbrako, slot and starhead. Tightening torque.

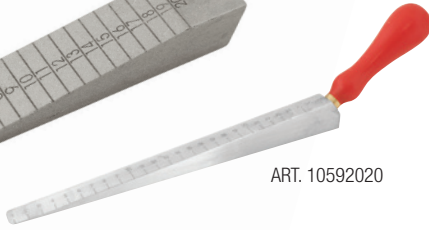
ART. 10592134



ART. 10592160



ART. 10592020

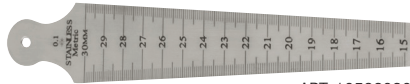


## FLAT TAPER GAUGE

Measures hole and slot sizes and is quick to use, very accurate, and convenient in size. Resolution: 0,05 mm. Accuracy: +/- 0,04 mm.

Item no.	Range	Taper angle	Full length	Weight
10592134	0,3 - 4,0 mm	1° 54" 33"	160 x 11 mm	95 g
10592146	0,4 - 6,0 mm	2° 51" 45"	160 x 11 mm	95 g
10592160	1 - 20 mm	Resolution: 1 mm / material: aluminum		
10592020	0 - 27 mm	Resolution: 1 mm / material: aluminum		

ART. 10592015



ART. 10592030

## TAPER GAUGE

Measures hole and slot sizes, quick to use, very accurate, and convenient in size.

Item no.	Range
10592015	1 - 15 mm
10592020	0 - 27 mm
10592030	15 - 30 mm
10592060	1 - 15 mm (black plastic)



## CIRCULAR TAPER GAUGE

Circular type. Measures hole, space and slot sizes and is quick to use, very accurate, and convenient in size. Resolution: 0,1 mm. Accuracy: +/- 0,05 mm.

Item no.	Range	Angle	Full length	Weight
10592215	4 - 15 mm	5° 44"	175 mm	140 g
10592225	4 - 25 mm	5° 44"	290 mm	140 g

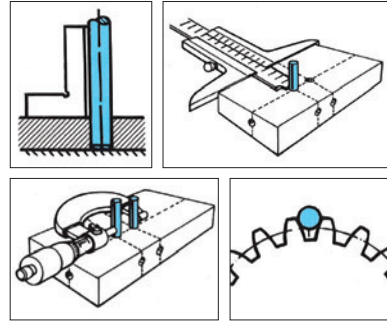


ART. 10593400

## PRECISION JET GAUGE

Used to determine the size of a hole or a nozzle.

Item no.	Range	Resolution	Length
10592230	0,1 - 3 mm	0,1 mm	118 mm
10592235	1 - 6 mm	0,1 mm	168 mm
10593400	1 - 5 mm	0,1 mm	160 mm



## PIN GAGES IN SET

Hardness HRC60/62, length 50 mm. For checking of hole diameter and the distance between hole and hole location

Item no.	Range	Length	No. of gages	Steps	Accuracy
10549010	0,30 - 1,00 mm	50 mm	71	0,01 mm	0,001 mm
10549050	1,00 - 5,00 mm	50 mm	41	0,1 mm	0,002 mm
10549100	1,00 - 10,00 mm	50 mm	91	0,1 mm	0,002 mm
10549200	1,01 - 2,00 mm	50 mm	100	0,01 mm	0,002 mm
10549300	2,01 - 2,00 mm	50 mm	100	0,01 mm	0,002 mm
10549400	3,01 - 3,00 mm	50 mm	100	0,01 mm	0,002 mm
10549500	4,01 - 5,00 mm	50 mm	100	0,01 mm	0,002 mm
10552000	10,01 - 20,00 mm	50 mm	101	0,1 mm	0,002 mm



## PIN GAUGE IN SET

0,01 mm i step (±0,001 mm)

Item no.	Range	Length	No. of gages	Steps	Accuracy
10549715	1,00 - 1,50 mm	40 mm	51	0,01 mm	0,001 mm
10549720	1,50 - 2,00 mm	40 mm	51	0,01 mm	0,001 mm
10549725	2,00 - 2,50 mm	40 mm	51	0,01 mm	0,001 mm
10549730	2,50 - 3,00 mm	40 mm	51	0,01 mm	0,001 mm
10549735	3,00 - 3,50 mm	40 mm	51	0,01 mm	0,001 mm
10549740	3,50 - 4,00 mm	40 mm	51	0,01 mm	0,001 mm
10549745	4,00 - 4,50 mm	40 mm	51	0,01 mm	0,001 mm
10549750	4,50 - 5,00 mm	40 mm	51	0,01 mm	0,002 mm

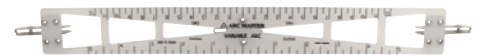
## ARC MASTER RADIUS GAUGE

Analog radius måler, fra 0 - 3600 mm. Genius tool for checking rasiuses on rolled items, pipes etc. Metric and inches reading. Case are included.



ART. 10356745

ART. 10356730



Item no.	Max. radius	Internal / external	Note
10356715	64 - 750	Internal / external	Set of 2 gauges
10356730	150 - 3600	Internal	Accessory: ruler
10356745	150 - 3600	External	Accessory: ruler



ART. 10599130

ART. 10599145

## DIGITAL RADIUS INDICATOR

Measures the radius of the inside and outside curves.

Supplied together with 5 different measuring bridges (10 mm, 20 mm, 30 mm, 60 mm and 100 mm). Rx indicates the radius to be measured.

Item no.	Radius range (R)	Resolution	Accuracy
10356512	5 - 700 mm	0,01 mm	± 0,01 Rx
10356520	200 - 2000 mm	0,01 mm	± 0,01 Rx

## PROFILE CONTOUR GAUGE SET

And metering rule. Pin material: stainless steel.

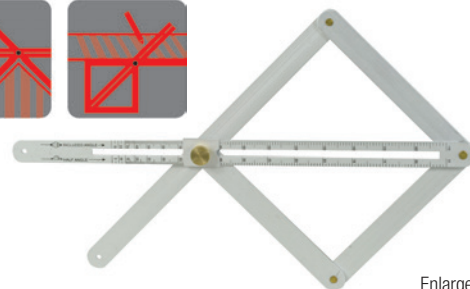
Item no.	Profile length	Active length	Max. profile depth	Needle diameter	Units
10599130	20 cm	40 cm	85 mm	0,8 mm	2 pcs
10599145	20 cm	100 cm	85 mm	0,8 mm	5 pcs



## PROFILE GAUGE

Pin material: stainless steel.

Item no.	Dimension	Active length	Max. profile depth	Needle diameter	Weight
10599115	155 x 84 mm	150 mm	48 mm	0,8 mm	0,210 kg



Enlarged image of scale



## COMBI SQUARE

Transfer angles from a point of measurement to a workpiece.

Item no.	Angle reading
10446185	10° - 170°



# Test- and inspection



## DIESELLA ELECTRONIC TEST TOOLS



### DIGITAL VOLTAGE TESTER

ART. 15130705

	Range	Accuracy
DC Voltage	200mV/2V/20V/200V/600V	±(0,7%+2)
AC Voltage	200mV/2V/20V/200V / 600V	±(0,8%+3) / ±(1,0%+3)
DC Current	20mA/200mA	±(1,5%+3)
AC Current	20mA/200mA	±(2,0%+3) / ±(3%+5)
Resistance	200Ω/2kΩ/20kΩ/200kΩ/2MΩ / 20MΩ	±(1,0%+3) / ±(1,0%+5)
Feature		
Display	2000	
Data hold	✓	
Max. hold	✓	
Diode test	✓	
Continuity	✓	
NCV	✓	
Work light	✓	
General		
Power supply	2 x 1,5V AAA batteries	
Weight	110 g	
Size	205 x 38 x 29 mm	
Safety rating	N61010-1, -2-030, EN61010-2-033, EN61326-1, CAT.III 600V	



### VOLT DETECTOR

ART. 15130815

	Specifications
AC Voltage	12 ~ 1000V AC
Frequency	50 Hz ~ 60 Hz
Alarm mode	Sound and LED alarmed
Flash light	White
Automatic power off	✓
Probe shape	✓
Low-battery indication	✓
Live or neutral	Sound and LED alarmed
NCV sensitivity	Automatic selection of 3 kinds of sensitivity (high, medium and low)
NCV sensitivity indication	3 kinds of frequency sound and LED alarmed
General	
Power supply	2 x 1,5V AAA batteries
Weight	45 g
Size	156 x 20 x 20 mm
Safety rating	EN61010-1, -2-030, EN61010-2-033, EN61326-1, CAT.III 1000 V



### DIGITAL MULTIMETER 600V/10A

ART. 15130710

	Range	Accuracy
DC Voltage	200mV/2V/20V/200V / 600V	±(0,5%+2) / ±(0,8%+2)
AC Voltage	2V/20V/200V/600V	±(1,0%+3)
DC Current	200μA/2mA/20mA/200mA / 10A	±(1,0%+3) / ±(3,0%+3)
AC Current	200μA/2mA/20mA/200mA / 10A	±(1,2%+3) / ±(1,2%+5)
Resistance	200Ω/2kΩ/20kΩ/200kΩ/2MΩ / 20MΩ	±(2,5%+5) / ±(3%+5)
Frequency	20kHz	±(3%+3) / ±(3,5%+3)
Temperature (°C)	-20°C ~ 1000°C	-
Temperature (°F)	-4°F ~ 1832°F	-
Feature		
Display	2000	
Auto. range	✓	
Data hold	✓	
Back light	✓	
Diode test	✓	
Continuity	✓	
Max. value hold	✓	
General		
Battery	DC9V 6F22 battery	
Weight	110 g	
Size	140 x 67 x 30 mm	
Safety rating	EN61010-1, -2-030, EN61010-2-033, EN61326-1, CAT.III 600V	

ART. 15130735



## DIGITAL MULTIMETER T-RMS 1000V/10A

ART. 15130735

	Range	Accuracy
DC Voltage	600mV/6V/60V/600V/1000V	±(0,5%+3)
AC Voltage	6V/60V / 600V/750V	±(0,8%+3) / ±(1%+10)
DC Current	60uA/600uA/6mA/60mA/600mA / 10A	±(0,8%+3) / ±(1,2%+3)
AC Current	60uA/600uA/6mA/60mA/600mA / 10A	±(1,0%+3) / ±(1,5%+3)
Resistance (Ω)	600/6k/60k/600k/6m / 60MΩ	±(0,8%+3) / ±(1,2%+30)
Capacitance	6nF / 60nF/600nF/6uF/ 60uF/600uF/6mF / 100mF	±(4,0%+30) / ±(4,0%+3) / ±(5,0%+3)
Frequency	60/600/6k/600k/6M/10MHz	±(1,0%+3)
°C/°F	-20°C ~ 1000°C / -4°F ~ 1832°F	±(1,0%+3)
Feature		
Display	6000	
ACV / ACA TRMS	✓	
ACV (bandwidth)	1kHz	
°C □	✓	
Hz	10MHz	
Non-contact test	✓ NCV	
Ω	60MΩ	
Capacitance	100mF	
Continuity	✓ (Sound and LED alarm)	
Diode test	✓	
Low battery indic.	✓	
Work light	✓	
NCV	✓	
Auto. power off	✓	
General		
Power supply	4 x 1,5V AAA batteries	
Weight	380 g	
Size	190 x 89 x 50 mm	
Safety range	EN61010-1, -2-030, EN61010-2-033, EN61326-1, CAT.III 1000V	

## DIGITAL MULTIMETER T-RMS 1000V/10A

ART. 15130760

	Range	Accuracy
DC Voltage	60mV/600mV/6V/60V/600V/1000V	±(0,7%+2)
AC Voltage	60mV/600V 6V 60V 600V 750V	±(0,8%+3)
DC Current	600µA/6000uA/60mA/600mA / 6A/10A	±(1,2%+3) / ±(2,0%+10)
AC Current	600µA/6000uA/60mA/600mA / 6A/10A	±(1,5%+3) / ±(3,0%+10)
Resistance	600Ω/6kΩ/60kΩ/600kΩ/60MΩ/60MΩ	±(1,2%+5)
Capacitance	10nF/100nF/1000nF/10µF/ 100µF/1000µF/10mF	±(3,0%+10)
Frequency	10Hz/100Hz/1000Hz/10kHz/ 100kHz/1000kHz/10MHz	±(1,0%+5)
Temperature °C/°F	-20°C ~ 1000°C / -4°F ~ 1832°F	±(2,0%+2) / ±(2,0%+2)
Feature		
Display	6000	
Auto. and manual range	✓	
Bargraph display	✓	
Relative meas.	✓	
True RMS	✓	
MAX/MIN	✓	
Bluetooth interface	✓	
Data hold	✓	
Diode test	✓	
Transistor	✓	
Continuity	✓	
Back light	✓	
General		
Power supply	4 x 1,5V AA batteries	
Weight	360 g	
Size	204 x 93 x 57 mm	
Safety rating	EN61010-1, -2-030, EN61010-2-033, EN61326-1, CAT.111 1000V	

ART. 15130760







## DIGITAL MINI CLAMP METER AC

ART. 15130215

	Range	Accuracy
DC Voltage	0 ~ 600,0V	±(0,5%+3)
AC Voltage	0,5 ~ 600V	±(0,8%+5)
AC Current	10mA ~ 200A	±(2,5%+5)
Resistance	0 ~ 6KΩ	±(0,8%+3)
Continuity	<30,0Ω	
Frequency	40Hz - 1000Hz	± 1%rdg
Feature		
Display	6000	
Auto. range	✓	
AC Current	6A/60A/200A	
DC Voltage	600,0V	
AC Voltage	600,0V	
Continuity	✓<30Ω	
Ω	6KΩ	
V/Ω/A Auto. scan	✓	
Frequency (clamp)	1KHz	
Frequency (voltage)	1KHz	
Data hold	✓	
Back light	✓	
NCV	✓	
General		
Power supply	2 x 1,5V AAA batteries	
Weight	150 g	
Size	158 x 53 x 28 mm	
Jaw size	Ø20 mm	
Safety rating	EN61010-1, -2-030, EN61010-2-032, EN61326-1, CAT.III 600V	



## DIGITAL CLAMP METER AC

ART. 15130325

	Range	Accuracy
DCV	0 ~ 600,0V	±(0,5%+3)
AC Voltage (40 ~ 65Hz)	1,0 ~ 600V	±(0,8%+5)
Resistance	0 ~ 60KΩ	±(2,5%+5)
Continuity	<30,0Ω	±(0,8%+3)
AC Current (40 ~ 65Hz)	10mA ~ 400A / 400A ~ 600A	±(2,5%+5) / ±(3%+5)
Feature		
Display	6000	
Range	Manuel	
ACA (AC+DC)	6A/60A/600A	
DCV	600,0V	
ACV (AC+DC)	600V	
Continuity	✓	
Ω	6KΩ/60KΩ	
LPF (1kHz -3dB)	✓	
Data hold	✓	
Back light	✓	
Low battery indication	✓	
Auto power off	✓	
General		
Power supply	2 x 1,5V AAA batteries	
Weight	250 g	
Size	187 x 65 x 38 mm	
Jaw size	Ø24 mm	
Safety range	EN61010-1, -2-030, EN61010-2-032, EN61326-1, CAT.III 600V	



## DIGITAL CLAMP METER AC/DC

ART. 15130360

	Range	Accuracy
DC Voltage	0,5 ~ 600,0V	±(0,5%+3)
AC Voltage (40 ~ 65Hz)	1,0 ~ 600V	±(0,8%+5)
Resistance	0 ~ 10KΩ	±(0,8%+3)
Continuity	<30Ω	<30Ω
AC Current (40 ~ 65Hz)	300mA ~ 400A / 400A ~ 600A	±(2,5%+5) / ±(3%+5)
DC Current	300mA ~ 400A / 400A ~ 600A	±(3%+3) / ±(3,5%+3)
Frequency	40Hz - 1000Hz	1%rdg
Feature		
Display	6000	
Range	Auto	
ACA (AC+DC)	60A/600A	
DCA	60A/600A	
DCV	600mV/6V/60V/600V	
ACV (AC+DC)	6V/60V/600V	
Continuity	✓	
Ω	6kΩ/60kΩ/600kΩ/6MΩ/10MΩ	
V/Ω/A Auto scan	✓	
Frequency (clamp)	1KHz	
Frequency (voltage)	1KHz	
Data hold	✓	
Back light	✓	
NCV	✓	
Low battery indication	✓	
Auto power off	✓	
Dual display	✓	
General		
Power supply	2 x 1,5V AAA batteries	
Weight	250 g	
Size	157 x 65 x 38 mm	
Jaw size	Ø24 mm	
Safety range	EN61010-1, -2-030, EN61010-2-032, EN61326-1, CAT.III 600V	



## DIGITAL THERMOMETER K-TYPE

ART. 15120140

	Range	Accuracy
Celcius	-50°C ~ -40°C	± 6°C
	-40°C ~ 20°C	± 5°C
	-20°C ~ 0°C	± 3°C
	0°C ~ 500°C	± (1,0% + 2°C)
	500°C ~ 750°C	± (1,0% + 3°C)
Fahrenheit	-58°F ~ -4°F	± 7°F
	-4°C ~ 32°C	± 4°F
	32°C ~ 932°C	± (1,0% + 4°F)
	932°C ~ -1382°C	± (1,0% + 5°F)
Features		
Display	2000	
Thermocouples type	Ktype	
Data hold	✓	
Resolution	0,1°C / 1°C / 1°F	
General		
Power supply	2 x 1,5V AAA batteries	
Weight	150 g	
Size	130 x 62 x 27 mm	
Safety rating	CE RoHS	

## TEMPERATURE PROBE

Suitable for ART. 15120140 and 15120185.

Item no.	Temperature range	Wire length	Probetype
15121425	-40°C - 250°C	1 m	Air
15121450	-50°C - 1300°C	1 m / 70 mm, Ø3	Liquids



## INFRARED THERMOMETER

ART. 15120170

Specifications	
IRT temperature	-50°C ~ 500°C (±1,5%) / -58°F ~ 1022°F (±1,5%)
Ambient temperature	-20°C ~ 60°C (±0,5%/1,0°F) / -4°F ~ 140°F (±1,5%/1,0°F)
Feature	
Color display	✓
Laser target pointer	Circle (<1mW 630nm ~ 650nm)
D:S	12:1
Emissivity	0,10 ~ 1,00
Spectral response	8 ~ 14um
°C/°F	✓
Response time	<0,5 sec
Ambient temperatur	✓
Temperature bridge alarm (Red/Green LED)	✓
HOLD	✓
Back light	✓
Auto. power off	✓
Low batteri indication	✓
MAX/MIN/AVG	✓
UV light	✓
General	
Power supply	6F22 9V battery
Weight	130 g
Size	163 x 97 x 33 mm
Safety rating	EN61326, EN60825

## INFRARED THERMOMETER W. HUMIDITY, DEW POINT AND K-TYPE SENSOR

ART. 15120185

	Range	Accuracy
IRT temperature	0,40 ~ 30,0	±(2.0%+50)
K-type	80 ~ 5900	±(2.0%+50)
Ambient temperature	1,4 ~ 108,0	±(2.0%+50)
Relatives humidity	0,9 ~ 67,0	±(2.0%+50)
Feature		
Color display	✓	
Laser target pointer	Circle (<1mW 630nm ~ 650nm)	
D:S	12:1	
Emissivity	0,10 ~ 1,00	
Spectral response	8 ~ 14um	
°C/°F	✓	
Response time	<0,5 sec	
K-type	✓	
Ambient temperature	✓	
Dew point temperature	✓	
Relative humidity	✓	
Mold alarm	✓	
Temperature bridge alarm (Red/Yellow/Green LED)	✓	
HOLD	✓	
Back lighth	✓	
Auto. power off	1 x 9V 6F22	
Low battery indication	165 x 85 x 38 mm	
UV light	200 g	
General		
Power supply	6F22 9V battery	
Weight	130 g	
Size	163 x 97 x 33 mm	
Safety rating	EN61326, EN60825	

For external sensor K type, see previous page.



Display



Display



Plug to external sensor





ART. 15118050

ART. 15118075

## DIGITAL ANEMOMETER

ART. 15118050 = our standard anemometer

ART. 15118075 = the extended model with humidity and temperature meter.

\* Not for ART. 15118050

Air velocity	Range	Accuracy
m/s (meter per second)	0,40 ~ 30,0	±(2.0%+50)
ft/m (fod per second)	80 ~ 5900	±(2.0%+50)
km/h (kilometer per hour)	1,4 ~ 108,0	±(2.0%+50)
mile/h (mil per hour)	0,9 ~ 67,0	±(2.0%+50)
Knots (nautiske mil per hour)	0,8 ~ 58,0	±(2.0%+50)
Air temperature	-20 til 60°C (-14 til 140°F)*	1,5°C (±2,7°F)
Air relative humidity	0 til 1000% RH*	± 3%
Air flow	Range	Area
CFM	0 to 99990	0 to 9,999 ft <sup>2</sup>
CMM	0 to 99990	0 to 9,999 m <sup>2</sup>
CMS	0 to 9999	0 - 9,999 m <sup>2</sup>
General		
Flow area setting		✓
MAX/MIN function		✓
Display back light		✓
Auto. power off		✓
°C / °F selection		✓*
Temp./dew point		✓*
Low battery indication		✓
USB interface		✓*
Power supply	1 x 9V 6F22 battery	
Size	165 x 85 x 38 mm	
Weight	200 g	
Category	EN61010-1, EN61326-1	



## DIGITAL LED LUXMETER

ART. 15118140

Digital luxmeter for measuring of light.

Range	
Measurement range	0 - 200000 lux / 0 - 20000 FC
Accuracy	±3% rdg + 2 dgt
LED type	Standard lighting
	Daylight / Red / Yellow / Green / Blue / Purple
Display	200000
Auto. range	✓
Manuel range	✓
Auto power off	✓
MAX/MIN function	✓
REL	✓
PEAK	✓
ZERO	✓
Data hold	✓
Backlight	✓
Analog bar	✓
Low battery indication	✓
General	
Power supply	1 x 9V 6F22 battery
Size	170 x 89 x 43 mm
Weight	177 g
Category	EN61010-1, EN61326-1

## DIGITAL TACHOMETER

ART. 15117310 = Digital tachometer with contact

ART. 15117325 = Digital tachometer, non-contact

\* For 15117325.

	Feature
Contact meas. - 15117310	50 ~ 19999RPM
Non-contact meas. - 15117325	50 ~ 99999RPM ±(0.03%+2)
Meas. distance - 15177325	N/A / 50~250 mm*
Auto. power off	30 sec
MAX/MIN/AVG funktion	✓
m/min m/sec ft/min ft/sec in/min unit selection	✓
Data logging	100 groups
Data hold	✓
Display back light	✓
Low battery indication	✓
General	
Power supply	4 x 1,5V AAA batteries
Size	193 x 60 x 29 mm
Weight	120 g
Category	EN61010-1, EN61326-1



ART. 15117310

ART. 15117310



## SOUND LEVEL CALIBRATOR

2 diff. sound levels for testing, checking and adjusting the sound level meter.

Item no.	Range	Accuracy	Frequency
15098595	94 dB og 114 dB	± 1,4 dB	1000 ± 1% Hz
Working temperature		Size	Weight
-10°C - +50°C		113 x 48 x 48 mm	0,25 kg



## SOUND LEVEL METER

Prof. sound level meter with 2 different filter curves A or C and many other features: Quick (fast) sound recording is used when you want to see rapid sound peaks. The slow mode gives a stable measurement result of sound that varies or pulses. The sound can be read instantaneously or gives a mean value under a selected time period, from 10 sec to 24 hours. Integrated memory for 30 measurements. Registration of max. value. Alarm function which indicates with a LED when the sound level is above a set value. The number of measurement values that exceed the alarm value during the measurement period can be shown. Adjustable automatic or manual shutoff. Integrated calibration function 94 dB.

### A-filter:

The A-filter corresponds to the human ears frequency sensitivity and is suitable for environmental sound measurements

### C-filter:

The C-filter is linear and is ideal for inspecting machines.



Includes, reflective tape, cone tip, flat tip, and wheel attachments for measuring surface speeds. 3 pcs. of 1,5V AA batteries and storage box.

## TACHOMETER PHOTO / CONTACT

Combined contact and non-contact digital tachometer which measures rotation rate and surface speeds. It is capable of measuring in units of rpm, ft/min or m/min.

Item no.	Display	Range (contact)	Range (laser)	Resolution	Accuracy
15117455	5 cifre med 18 mm LCD	2.5 ~ 99.999RPM	2.5 ~ 99.999RPM	0.05 ~ 1.999,9 m/min	± 0.05% + 1 D
15117833	Reflective tape 5 pcs/pkg		15117812		Funnel tip
15117819	Cone Tip		15117805		Circumference Whee
15117826	Adapter/recessed tip				

Item no.	Range	Resolution	Accuracy	Speed fixed/slow	Measuring periods	Memory capacity	Frequency range
15098560	30 - 130 dB	0,1 dB	± 1 dB	125 ms. / 1 sec.	10 sec., 1 min., 5 min., 10 min., 15 min., 30 min., 1 hour, 8 hours, 24 hours	30 readings	20 - 12500 Hz
15098580							

Cable + software for ART. 15098560

ART. 15076215



ART. 15077230



ART. 15077260



ART. 15077245



### COATING THICKNESS GAUGE (ART. 15076215)

Compact and user-friendly instrument with integrated probe for measurement of paint and coating on magnetic and non-magnetic metals. The instrument automatically recognizes the substrate and can perform single and continuous measurements. Sample plates, calibration foil, user guide, 4 x 1.5V AAA batteries and storage box included.

### COATING THICKNESS GAUGE (ART. 15077230)

Compact and user-friendly instrument with external probe that makes it suitable for measuring in places where space is limited. Sample plates, calibration foil, user guide, 4 x 1.5V AAA batteries and storage box included.

Item no.	Range	Resolution	Accuracy	Measuring point	Dimension	Weight
15076215	0 - 1250 $\mu\text{m}$	0,1 $\mu\text{m}$ / 1 $\mu\text{m}$	$\pm 1-3\%$ / $\pm 2,5 \mu\text{m}$	6 mm	126 x 67 x 25 mm	81 g
15077230	0 - 1250 $\mu\text{m}$	0,1 $\mu\text{m}$ / 1 $\mu\text{m}$	$\pm 1-3\%$ / $\pm 2,5 \mu\text{m}$	6 mm	126 x 67 x 25 mm	120 / 160 g
15077244				Probe type F for ART. 15078120		
15077245				Probe type F for ART. 15077230		
15077246				Probe type F for ART. 15077230		
15077260				Probe type N for ART. 15077230		
15077261				Probe type N for ART. 15077230		



### CALIBRATION FOILS

Set of precision calibration foils are standard. Thickness foils for calibrating coating thickness.

Item no.
15080925



### THICKNESS GAUGE FOR WET PAINT ALUMINUM

Used for checking the thickness coating of wet paint, enamel lacquer, adhesive, architectural coating, color coating, varnish, chemical industry, or other coating that has been applied to a smooth surface.

#### Measuring Procedure:

Select appropriate comb according to approximate known thickness. Hold comb perpendicular to surface coating to be measured. Press into coating until the comb stands square on substrate. Wet film thickness is between the highest step which is coated and the next (higher) step which remains uncoated.

Item no.	Material	Range
15077275	Aluminum	Front = 25 - 3000 $\mu\text{m}$ Back = 1 - 118 mill
15077280	Steel	25 - 3000 $\mu\text{m}$



#### Standard accessories:

Measuring unit, N/F probe, storage box, user guide, calibration foil, sample plates and 2 x 1.5V AAA batteries.

### COATING THICKNESS (MY-TESTER)

Flexible coating gauge that is widely used in industry and service industries. Examples of application, are measurement of galvanizing, paint, plastic, zinc, aluminum, copper, etc. The coating thickness is equipped with an external probe that makes it easy to perform tests on limited space subjects. The instrument has a large backlit display, which includes displays measured values, battery status, storage/memory function, etc. The built-in memory has room for 99 measurements. Supplied incl. USB bluetooth interface that allows wireless data transfer to PC.

Item no.	Display	Range	Resolution $\mu\text{m}$	Accuracy	Cable, probe
15078120	Multi LCD, Backlight	0 - 1250 $\mu\text{m}$	0,1 (0 - 99) 1 (>100)	$\pm 1-3\%$ or 2.5 $\mu\text{m}$	1000 mm

Item no.	Power supply	Size	Weight	Operating condition	Humidity
15078120	2 x 1.5 AAA battery	126 x 65 x 35 mm	125 g (ex. batteries)	0-50°C	<95%





## LEEB HARDNESS TESTER

For scales HL-HRC-HRB-HV and Brinell.

Item no.	Accuracy	Repeatability	Hardness scales
15248350	± 8HLD (HLD=800)	± 6HLD (HLD = 800)	HRB, HRC, HV, HB, HS, HL
Memory	Dimension	Power supply	Weight
50 data groups	130 x 76 x 31 mm	2 x AA 1,5V	0,35 kg (ex. batteries)



## TRANSPORTABLE HARDNESS TESTER WITH BUILT-IN PRINTER

Multi-functional hardness tester with many features, expanded memory, integrated printer, RS232 output and high accuracy for measuring the hardness of metals. Can translate Leeb hardness test, Rockwell, Brinell, Vickers, Shore, etc. Tolerance Function, storing up to 1250 measured values, LCD display with backlight.

### Standard accessories:

Measuring instrument inkl. test/calibration block, instruction manual, disc with software, 4 x AA rechargeable batteries, USB cable, charger, storage box.

Item no.	Dimension mm	Accuracy	Data output	Working temp.
15246200	108 x 62 x 25	±0,5%	Yes	-20°C - +40°C

Material	HL Leeb	HRC Rockwell C	HRB Rockwell B	HV Vickers	HB 30D <sup>2</sup> Brinell	HB 10D <sup>2</sup> Brinell
Steel	300 ~ 900	20,0 ~ 68,0	34,4 ~ 99,5	80 ~ 940	80 ~ 647	-
Tool steel	300 ~ 640	20,4 ~ 67,1	46,5 ~ 101,7	80 ~ 898	-	-
Stainless steel	300 ~ 800	19,6 ~ 62,4	-	85 ~ 802	85 ~ 656	-
Cast iron GG	360 ~ 650	-	-	-	90 ~ 334	-
Cast iron GGG	400 ~ 660	-	-	-	131 ~ 367	-
Cast alu.	174 ~ 560	-	-	-	-	131 ~ 367
Brass	200 ~ 550	-	13,5 ~ 95,3	-	-	40 ~ 173
Bronze	300 ~ 700	-	-	-	-	60 ~ 290
Copper	200 ~ 690	-	-	-	-	45 ~ 315

## TRANSPORTABLE HARDNESS TESTER

Menu driven, multi-functional unit with extended memory.

Automatic conversions to: Brinell, Rockwell, Vickers and Shore hardness. Automatic mean value. Application: steel & cast steel, alloy tool steel, stainless steel, grey cast iron, ductile cast iron, cast aluminum alloy, copper, etc. tolerance function shows whether the reading is above or below the lower tolerance limits, storage of up to 1250 results.

### Standard accessories:

Gauge incl. test block, user manual, 2 x AAA batteries, storage box incl. small bag for gauge.

Item no.	Dimension mm	Accuracy	Data output	Working temp.
15245100	108 x 62 x 25	±0,5%	Yes (RS232)	-20°C - +40°C

Material	HL Leeb	HRC Rockwell C	HRB Rockwell B	HV Vickers	HB 30D <sup>2</sup> Brinell	HB 10D <sup>2</sup> Brinell
Steel	300 ~ 900	20,0 ~ 68,0	34,4 ~ 99,5	80 ~ 940	80 ~ 647	-
Tool steel	300 ~ 640	20,4 ~ 67,1	46,5 ~ 101,7	80 ~ 898	-	-
Stainless steel	300 ~ 800	19,6 ~ 62,4	-	85 ~ 802	85 ~ 656	-
Cast iron GG	360 ~ 650	-	-	-	90 ~ 334	-
Cast iron GGG	400 ~ 660	-	-	-	131 ~ 367	-
Cast alu.	174 ~ 560	-	-	-	-	131 ~ 367
Brass	200 ~ 550	-	13,5 ~ 95,3	-	-	40 ~ 173
Bronze	300 ~ 700	-	-	-	-	60 ~ 290
Copper	200 ~ 690	-	-	-	-	45 ~ 315



## OPTIONAL TESTERS FOR SPECIAL APPLICATIONS

For hardness testers ART. 15245100 and 15246200.

Type	Description
D	Standard measures
DC	Short model for tight spaces
DL	For measuring in smaller/narrow areas
C	For surface hardened, coated or thin-walled, sensitive objects
D+15	For bearings and gears
G	For big, heavy cast objects and forgings



SHORE A:  
15250125



SHORE D:  
15251220

## HARDNESS TESTER, SHORE A+D

Shore A = hardness tester for soft materials; rubber, soft plastic materials, leather etc. A spring loaded measurement tip is held against the material and the hardness is stated in Shore A.

Shore D = hardness tester for hard materials; hard rubber and plastics etc. A spring loaded measurement tip is held against the material and the hardness is stated in Shore D.

Calibration can be done with the enclosed test block. The instrument has a mean value function for 2 to 9 measurements. Automatic shutoff after 1 minute. Standards: DIN53505, ASTM D2240, ISO7619, JISK7215. 4 x 1,5V AAA (UM-4) batteries.

Item no.	Meas. deviation	Meas. range	Resolution	Working temp.	Dimension mm	Weight ex. probe
15250125	< 1% H	0 - 100 HA	0,1	0°C - 40°C	162 x 65 x 38	173 g
15251220	< 1% H	0 - 100 HD	0,1	0°C - 40°C	162 x 65 x 38	173 g



ART. 15250150



ART. 15251235

## SHORE A TEST BLOCKS

Test blocks for comparison and control of hardness for soft or hard, non-metallic materials.

Item no.	Hardness value	Test blocks	For
15250150	A36 - A94	7	Shore A
15251235	D32 - D92	3	Shore B



## WEBSTER HARDNESS TESTER

Lightweight, mobile solution for "on-site" hardness tests on aluminum alloys, brass, copper and mild steel. Internal dia.: > 10,0 mm.

Item no.	Test range	Accuracy	Hardness area	Subject thickness
15252450	0 ~ 20 HW	0,5 HW	25 ~ 110 HRE 58 ~ 131 HV	0,4 - 6,0 mm



## ULTRASONIC THICKNESS GAUGE

Handheld ultrasonic thickness gauge with metal case and test range from 0,9 ~ 400 mm. Used for measuring thickness and corrosion of pressure vessels, chemical equipment, boilers, oil storage tanks, and more. Applicable to measure the thickness of many materials, (steel, cast iron, aluminum, red copper, brass, zinc, etc.) Uses 4 x AAA batteries, measuring 108 x 61 x 25 mm. Weight: 230 g. incl. batteries.

Item no.	Display	Range	Accuracy	Resolution	Sound velocity
15080190	48 x 28 (LCD)	1 - 400 mm	±(0.5%n + 0,1)	0.1 mm / 0,01 mm / 0,001 inch	1000 - 9000 m/s



### Standard accessories:

- Main unit
- Standard 5MHZ transducer (ART. 15083235)
- Built-in calibration block 4mm
- Couplant 4 oz
- Two AAA batteries
- Operation manual and carrying case
- Software + cable

## ULTRASONIC THICKNESS GAUGE

Compact, hand-held general-purpose Ultrasonic Thickness gauge for accurate, error-checked, through-coating measurements using Multiple Echo technology.

You can now test painted tanks, pipes, etc., without needing to remove the paint or make corrections for the paint thickness. The instrument can measure with very high resolution (0.01 mm or 0.001 inches) the thickness of metallic and non-metallic materials such as steel, aluminum, titanium, plastics, ceramics, glass and any other good ultrasonic wave conductor. Menu-driven operation and "Echo-Echo" mode allow easy thickness gauging through coatings up to 25 mm. The 15082650 also features a scan-mode which measure thickness value at 10 meas. per second and simultaneously displays actual thickness. It accurately displays readings in either inches or mm. and is equipped with special features like automatic recognition of probes with different frequencies, automatic zeroing of the unit and limited setting and alarm.

Item no.	Range	Memory	Data output	Measuring mode	Resolution
15082650	0,65 - 400 mm (afhængig af opgave)	500 målinger	USB til PC	TE + E-E + Scan	0.01 (<99.99) 0.1 (>100)

Item no.	Working temp.	Dimension display	Dimension	Weight
15082650	-20°C - +50°C	128 x 64 mm	115 x 64 x 27 mm	220 g



ART. 15081425



ART. 15081450

**Standard accessories:**

- Main unit
- Standard 5MHz transducer (ART. 15083205)
- 4 oz Couplant
- Two AAA batteries
- Build-in calibration block
- Carrying case
- Operating manual

ART. 15081450 comes with cable and software.



**ULTRASONIC THICKNESS GAUGE**

ART. 15081xxx series of Digital Ultrasonic Thickness Gauges are economical, user-friendly, menu driven, and multi-functional units offering extensive features from basic measurements (15 081 425) to extended memory (5000 reading storage) and USB output capabilities (ART. 15081450).

The instrument can measure with very high resolution (0.01 mm or 0.001 inches) the thickness of metallic and non-metallic materials such as steel, aluminum, titanium, plastics, ceramics, glass and any other good ultrasonic wave conductor.

The gauge accurately displays readings in either inches or millimeters and is equipped with special features like Automatic recognition of probes with different frequencies and Automatic zeroing of the unit.

Item no.	Range	Memory	Output	Tolerance (thickness)	Resolution
15081425	0,65 - 400 mm	-	-	±0,04 (<9,99) ±0,1%+0,04 (=10~99,9) ±0,3% (>100)	0,01 / 0,001"
15081450	0,65 - 400 mm	500 readings	USB	±0,04 (<9,99) ±0,1%+0,04 (=10~99,9) ±0,3% (>100)	0,01 / 0,001"

Item no.	Working temp.	Average calculation	Dimension display	Dimension
15081425	-15°C - +350 °C	-	128 x 64 mm	115 x 64 x 27 mm
15081450	-15°C - +350 °C	2~9 readings	128 x 64 mm	115 x 64 x 27 mm



**COUPLANT GEL**

Used for ultrasonic thickness gauge. Incl. safety data sheet.

Item no.	Contain	Notice
15083295	250 ml	Normal usage
15083340	100 g	For high temperature



ART. 15235110

ART. 15235110



ART. 15235255



ART. 15235285

**SURFACE ROUGHNESS COMPARISON**

Ra 0,05 - 12,5 µm.

Size approx. 120 x 90 mm.

Turning, end-milling, side-milling, grinding, cylindrical grinding, lapping.

Item no.	Type
15235110	Turning, end-milling, side-milling, grinding, cylindrical grinding, lapping
15235225	Turning
15235240	Horizontal milling
15235255	Vertical milling
15235270	Grinding
15235285	Cylindrical grinding



**SURFACE ROUGHNESS TESTER W/ DOUBLE DISPLAY**

This simple roughness tester is designed for use at workplaces, for quick and easy control of milled, turned, ground surfaces, on steel and other similar solid materials. Large display 45 x 19 mm (front) and 25 x 6 mm (top). Built-in rechargeable lithium ion battery (without memory effect) with a working time of approx. 20 hours. Auto. power off function after 10 minutes. Energy-friendly ARM process chip, for quick calculation of measurement results.

(Ra, Rz, Rq, Rt)

Item no.	Parameters	Range	Probe radius	Test Length
15215015	Ra, Rz, Rq, Rt	Ra, Rq: 0.05 - 10.0 µm. Rz, Rt: 0.1 - 50.0 µm	10 µm +/- 1 µm	0,25 / 0,80 / 2,50

Dimensions	Battery	Weight	Work (temp.)
110 x 81 x 32 mm	3,7V lithium Ion	150 g	-20°C- ~40°C





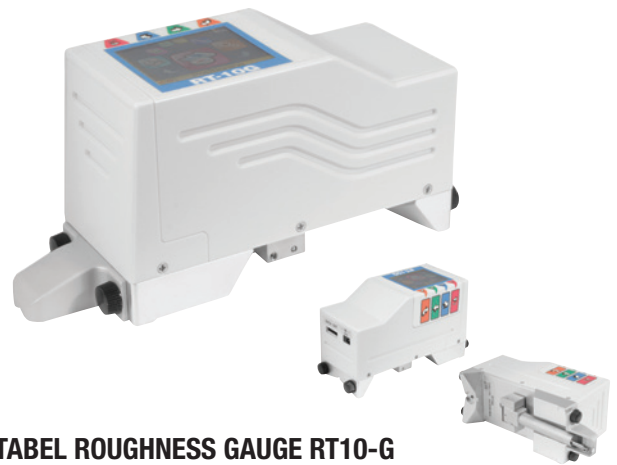
### PORTABEL ROUGHNESS GAUGE RT10

The instrument is ideal for quick and easy characterization of the roughness of an object. Replaceable probe that allows measurement on more specific areas or subjects as well as 90 degree rotation of probe probe. 2" LCD display + 4 membrane buttons. Language: UK, DE, ES, IT, FR, PT, DK

ART. 15216110: With fixed probe  
 ART. 15216120: With replaceable probe

Item no.	Range	Resolution	Cut-off length	Cut-off no.
15216110	± 200 µm	0,001 µm	0,25 - 0,8 - 2,5 mm	Selectable from 1 to 5
15216120				

Traverse length	Parameters	Meas. of unit	Memory
Up to 16 mm	Ra, Rq, Rt, Rz, Rc, RSm, Rmr-Pt, R, AR, Rx	Millimetres and inches	Up to 1000 measurements



### PORTABEL ROUGHNESS GAUGE RT10-G WITH INTERCHANGEABLE PROBE

The instrument is ideal for quick and easy characterization of the roughness of an object. Replaceable probe that allows measurement on more specific areas or subjects as well as 90 degree rotation of probe probe. Large color display and advanced menu with many display and setting options.

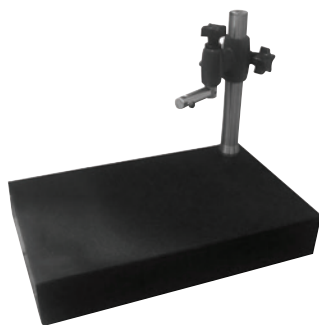
2" LCD display + 4 membrane buttons.  
 Language: UK, DE, ES, IT, FR, PT, DK

Item no.	Range	Resolution	Cut-off length	Cut-off no.
15216130	±300 µm	0,001 µm	0,25 - 0,8 - 2,5 mm	Selectable from 1 to 5

Traverse length	Parameters	Unit of meas.	Memory
Up to 16 mm	Ra, Rq, Rt, Rz, Rp, Rc, Rv, Rsm, Rdc, Pa, Pq, Pt, Pp, Pc, Pv, Psm, R Pc, P Pc-Rk, Rpk, Pvk, Mr1, Mr2-Pt, R, Rx, AR-R3, R3zm, Rmax	Millimetres and inches	Up to 1000 measurements

### REMOTE CONTROL FOR ROUGHNESS TESTER

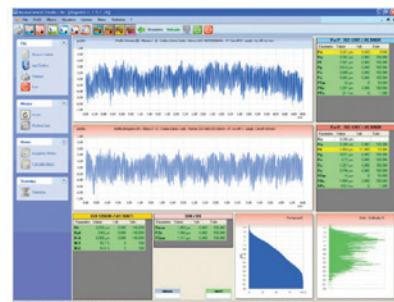
Item no.	For
15216212	ART. 15216120 + ART. 15216130



### GRANITE STAND 400X250 MM

For roughness tester.

Item no.
15216220



### STUDIO LITE MEASUREMENT - DATA CAPTURE FOR RT10-G

Effective data collection from roughness tester. Works w. Windows 7 and newer.

Item no.
15216205



## BRIX REFRACTOMETER

With the Brix refractometer in your hand you're able to quickly read the concentration of the metalworking fluids in your production and optimize the production. Too little concentrate means poor lubrication and increases the risk of corrosion - too much concentrate often result in poor performance because of increased heat development.

- Build-in automatic temperature compenstion (ATC)
- Hidden calibration screw prevent incorrect adjustment by mistake
- Double joint on the light plate ensures tight fitting on the prism
- High light sensitivity ensures the usage in normal daylight

Please note:

Also available for testing the freezing point of antifreeze, windscreen washer and battery fluids.

Item no.	Brix measuring range	Min. / Accuracy
15305018	0 - 18%	0,1% / 0,1%
15305032	0 - 32%	0,2% / 0,2%
15305080	0 - 80%	0,5% / 0,5%



## IPA REFRACTOMETER

For control of freezing point in antifreeze media, containing Isopropyl alcohol (IPA alcohol).

- Build-in automatic temperature compenstion (ATC)
- Hidden calibration screw prevent incorrect adjustment by mistake
- Double joint on the light plate ensures tight fitting on the prism
- High light sensitivity ensures the usage in normal daylight

If you seek a refraktometer for control of freezing points in Glykol og Ethylen mixes, use Diesella number: 15305120.

Item no.	Brix measuring range	Resolution
15305135	(-23°-0 / 0-60%)	1° / 1%



## SALINITY REFRACTOMETER

Salt meter 0-28% with ATC.

Item no.	Salinity range	Resolution	Accuracy	ATC function
15305140	0 - 28%	0,2%	0,2%	Yes



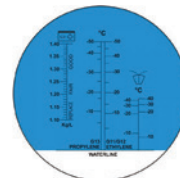
## AUTO REFRACTROMETER

With the Auto Refractometer you can easily check the freezing point in your antifreeze, windscreen wash and battery fluid (measure propylene, glycol and ethylene + checking of electrolytic batteries). Build-in automatic temperature compenstion (ATC).

- Double joint on the light plate
- High light sensitivity

Item no: 15305120

	Acid density in batteries	Freezing point of coolant	Freezing point, washer fluid
Range	1,10 - 1,40 kg/l	-50°C - 0°C	-40°C - 0°C
Accuracy	0,01 kg/l	+/- 5°C	+/- 5°C
Scale	0,01 kg/l	1°C	5°C



Item no.: 15305105

Same as above, but with added AdBlue scale.

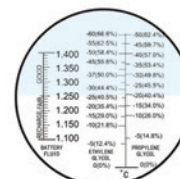
	Acid density in batteries	Freezing point of coolant	Freezing point, washer fluid	Adblue
Range	1,10 - 1,40 kg/l	-50°C - 0°C	-40°C - 0°C	30 - 35%
Accuracy	0,01 kg/l	+/- 5°C	+/- 5°C	+/- 5%
Scale	0,01 kg/l	1°C	5°C	1%



## ADBLUE REFRACTOMETER W. ATC

This refractometer can check the concentration of Adblue with just a small amount of fluid. Adblue is a urea additive in the exhaust flow which reduces NOx emissions in HGVs and Light Commercial.

Item no.	Range	Resolution	Accuracy	ATC function
15305155	0 - 40%	0,2%	0,2%	Yes



## REFRACTOMETER, GLYCOL

This refractometer can control the concentration of glycol in emulsion.

Item no.	Range ETHYLEN	Range PROPYLEN	ATC function
15305185	12 - 66%	15 - 62%	Yes



All our refractometres are supplied in a solid plasticbox, included:

- Dropper
- Cleaning cloth
- Calibration fluid
- Screwdriver



ART. 15315014

### WATERPROOF PEN-TYPE PH METER,

A great waterproof pH pen that will give you accurate pH measurements - there will be no need to use pH tricky test kits any more. It is very simple to use and the large LED display makes it easy to read.

The pH electrode is replaceable/exchangeable.

Item no.	Measuring range	Resolution	Accuracy
15315014	0 - 14 pH	0,01 pH	±/-0,1 pH
Accessories			
15315025	Probe for pH meter (ART. 15315014)		
15315050	Calibration fluid pH 4,01 and pH 6,86 for PH meters		



### HANDHELD MAGNIFIER 2,5X/6X MAGNIFICATION

Ø88/Ø21 mm lens and 2 x LED's.

Item no.	Lens diameter	Magnification	Number of LED's
15405030	Ø88 / Ø21 mm	2,5X / 6X	2



### HANDHELD MAGNIFIER

Handheld magnifier with glass lens and LED lights. An excellent tool for a variety of chores. The powerful LED lights eliminate the problem of "shadow" effect during use. The device uses 2xAA 1.5V batteries (NOT included) which ensures a long life.

Item no.	Magnification	Lens diameter	Size
15405010	10X	Ø26 mm	38 x 105 x 25 mm



### HANDHELD MAGNIFIER WITH LED LIGHT

Item no.	Magnification	Lens diameter	Size
15405007	3X / 5X / 7X	3X (50x50 mm) 5X + 7X (20+25 mm)	117 x 61 x 9 mm



### HANDHELD MAGNIFIER 2,5X MAGNIFICATION

Ø90 mm lens of glass and 12 x LED's. 2x brightness.

Item no.	Lens dia.	Magnification	Number of LED's	Size
15405036	Ø90 mm	2,5X	12 / 6	241 x 110 x 14 mm





### TABLE MAGNIFIER 3,5X

This LED stand magnifier is made of ABS plastic with quality glass lens. The magnifying glass is very easy to use: just press the upper frame to turn on the LED lights to enjoy the magnified and brighter text or topic. To turn off the LED light simply press the frame again. An ideal product for those with impaired vision or to assist reading of labels, books, drawings, etc.. Can be also used for easy control of materials and products.

Item no.	Lens dia.	Magnification	Material	Battery
15405185	70 mm	3,5X	ABS plast (soft)	2 x CR2016



### FOLDING MAGNIFIER WITH SCALE

Glass lens in metal housing. ART. 15405085 is with "/mm scale.  
\* With LED light.

Item no.	Magnification	Lens	Folded	Unfolded
15405085	6X	Ø30 mm	50 x 15 x 40 mm	50 x 50 x 40 mm
15405088	7X	Ø15 mm	35 x 12 x 23 mm	35 x 33 x 23 m
15405092*	8X	Ø30 mm	55 x 20 x 38 mm	55 x 50 x 38 mm



### HANDHELD MAGNIFIER 10X

Ø30 mm glass lens and 3 x LED's. With 0.05 scale - 1/6 inch.

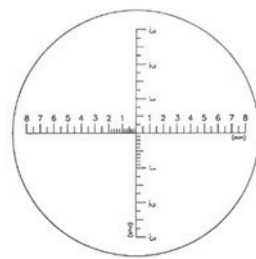
Item no.	Lens dia.	Magnification	Number of LED's	Size
15405180	Ø30 mm	10X	3	179 x 58 x 49 mm



### PRECISION SCALE LOUPE 7X

High quality lup that is suitable for inspection purposes (fine mechanics, graphics, etc.). Scale with mm and inch scale is included (no. 1). The scale can be replaced by other types. Delivered in a case incl. microfiber cleaning cloth.

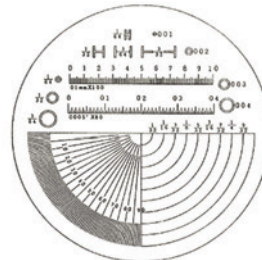
Item no.	Magnification	Scale	Lens diameter
15405207	7X	mm / inch	Ø25 mm



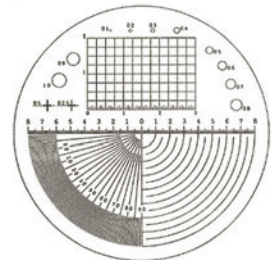
ART. 15405210



ART. 15405212



ART. 15405214



ART. 15405216

### SCALE FOR PRECISION SCALE LOUPE 7X (ART. 15405207)



## PRECISION SCALE LOUPE 10X

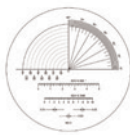
Item no.	Magnification	Scale	Lens diameter
15405226	10X	mm	Ø18,5 mm



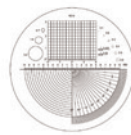
ART. 15405235



ART. 15405238



ART. 15405241



ART. 15405244



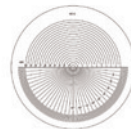
ART. 15405247



ART. 15405250



ART. 15405253



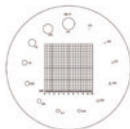
ART. 15405256



ART. 15405259



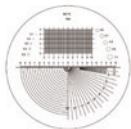
ART. 15405262



ART. 15405265



ART. 15405268



ART. 15405271



Example

### LED LIGHT

Fits to precision scale loupe 10X (ART. 15405226).

Item no.	For	Battery
15405229	ART. 15405226	LR41



### HEAD MAGNIFIER WITH LED LIGHT

New type of head magnifier supplied with 5 different binocular lenses. Powerful, adjustable LED lighting ensures that items always are highlighted to the smallest detail. The LED light unit can be easily removed and used as table lighting. Heavy headband with heavy tightening screw. Strong storage box for lenses included.

Item no.	Magnification	Headband dimension	Battery	Lens dimension	Weight
15405335	1.0X, 1.5X, 2.0X, 2.5X, 3.0X, 3.5X	32 x 20 cm (justerbar)	3 x AAA (inkluderet)	10,8 x 4,8 cm	645 g



### USB DIGITAL MICROSCOPE

A compact digital microscope that plugs directly into PC / Mac after which images and video are displayed in real-time. Software and calibration card is included. It is possible to make very accurate measurements like distances and angles and save these data using the provided software.

Calibration ruler included.

Item no.	Magnification	Focus range	Image resolution	Video capture	LED light	Power source
15410300	10X - 300X	10 - 500 mm	5M, 3M, 1.3M VGA, QVGA	5M, 3M, 1.3M VGA, QVGA	8 pcs adjustable	USB

Size of base	OSD Language	Weight microscope	Total weight
170 x 120 mm	English, German, Spanish	90 gram	0,635 kg



### MAGNIFYING LAMP

Light source: 30 x SMD LED  
Watt: 6  
Color: White

Power supply: 220V ~ 240V  
Lumens: 570  
Lamp height / weight: 35 cm / 1,1 kg

Item no.	Lens size	External dia.	Dioptri	RA value
15406085	Ø9 cm	155 x 180 mm	3D (=1,75X magnification)	> 80



### MAGNIFYING LAMP

Light source: 60 x SMD LED  
Watt: 10  
Color: White

Power supply: 220V ~ 240V  
Lumens: 950  
Lamp height / weight: 80 cm / 3,9 kg

Item no.	Lens size	External dia.	Dioptri	RA value
15406195	19 x 16 cm	270 x 250 mm	3D (=1,75X magnification)	> 80
15406200	19 x 16 cm	270 x 250 mm	5D (=2,25X magnification)	> 80



### LED MAGNIFYING LAMP Ø13 CM

Light source: 48 x LED (Super Bright)  
Watt: 10  
Color: White

Power supply: 90V~240V  
Lumens: 1000 (10W)  
Integrated dust flap

Item no.	Lens	External dia.	Arm length	Diopter (magnification)
15406125	Ø13 cm	225 mm	98 cm	3D (1,75X)
15406130	Ø13 cm	225 mm	98 cm	5D (2,25X)



### LED MAGNIFYING LAMP Ø17 CM

Light source: 56 x LED (Super Bright)  
Watt: 12  
Color: White

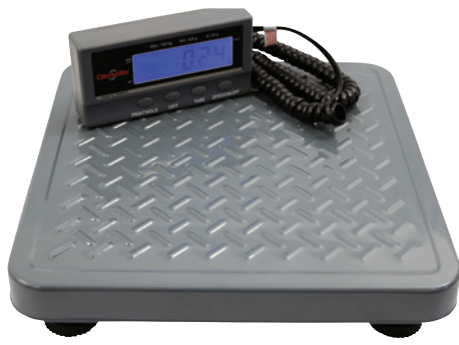
Power supply: 90V ~ 240V  
Lumens: 950  
Loose dust trap

Item no.	Lens	External diameter	Arm length	Diopter (magnification)
15406150	Ø17 cm	225 mm	98 cm	3D (1,75X)
15406165	Ø17 cm	225 mm	98 cm	5D (2,25X)



# Weighing scales and test weights





### SCALE

Very compact and durable scale which is optimal for many industrial applications. Stainless steel pan 305 x 305 mm and LCD display in plastic housing with 2 meter cable for flexible placement of the display. Power source: AC 220V. Test load is not included, but can be bought separately (see p. 72)

Item no.	Capacity	Readability	Minimum	Weighing pan	Display type
18560110	120 kg	20 g	400 g	305 x 305 mm	LCD



### SCALE

Compact and durable scale which is optimal for many industrial applications. Stainless steel pan 305x305 mm and LCD display in stainless steel housing with special holder in ABS plastic. Equipped with 2 meter cable for flexible placement. Power source: AC 220V. Test load is not included, but can be bought separately (see p. 72)

Item no.	Capacity	Readability	Minimum	Weighing pan	Display type
18560120	120 kg	20 g	400 g	305 x 305 mm	LCD



### SCALE

Quick and precise standard scale for general weighing purposes. Made of robust ABS plastic housing with stainless steel platform 286x215 mm and large LED display. Supplied with power adapter and rechargeable battery. Features: Units, tare and reset. Power source: AC 220V power adapter + rechargeable battery. Test load is not included, but can be bought separately (see p. 72)

Item no.	Capacity	Readability	Minimum	Weighing pan	Display type
18560205	3 kg	0,5 g	10 g	286 x 215 mm	LED
18560215	6 kg	1 g	20 g		
18560225	15 kg	2 g	40 g		
18560235	30 kg	5 g	100 g		



### PACKING AND COUNTING SCALE

Combined packing and counting scale with fast stabilization time and high precision. Ideal for warehouses, offices, productions, kitchens, etc. Made of robust ABS plastic housing with stainless steel platform 295 x 226 mm and large LCD display. Supplied with power adapter and rechargeable battery. Keyboard with 20 keys and the following functions: weighing, control weighing, counting, percentage weighing and accumulation. Power source: AC 220V power adapter + rechargeable battery. Test load is not included, but can be bought separately (see p. 72)

Item no.	Capacity	Readability	Minimum	Weighing pan	Display type
18560340	6 kg	0,2 g	4 g	295 x 226 mm	LCD
18560350	15 kg	0,5 g	10 g		
18560360	30 kg	1 g	20 g		



### COUNTING SCALE WITH LED DISPLAY

Professional counting scale with fast stabilization time and high precision. Ideal for warehouses and production facilities, but can be used for a wide range of controlling procedures. Made of robust ABS plastic housing with stainless steel platform 295 x 226 mm and large LED display. Supplied with power adapter and rechargeable battery. Keyboard with 20 keys and the following functions: weighing, control weighing, counting, percentage weighing and accumulation. Power source: AC 220V power adapter + rechargeable battery. Test load is not included, but can be bought separately (see p. 72)

Item no.	Capacity	Readability	Minimum	Steel pan	Display type
18561210	3 kg	0,1 g	2 g	295 x 226 mm	LED
18561220	6 kg	0,2 g	4 g		
18561230	15 kg	0,5 g	10 g		
18561240	30 kg	1 g	20 g		





### FLOOR SCALE WITH LCD DISPLAY IN STEELHOUSE

Professional industrial floor scale with fast stabilization time and high precision. Ideal for a wide range of weighing and controlling purposes at stocks, productions and other facilities. LCD display in sturdy aluminum housing, stainless steel stand and stainless steel platform 550 x 420 mm. Supplied with power adapter and 4xAA batteries. Features: weighing, counting, check-weighing, percentage weighing, accumulation, tare, hold and print (RS232). Power source: AC 220V power adapter + 4xAA batteries. Test load is not included, but can be bought separately (see p. 72)

Item no.	Capacity	Readability	Minimum	Steel pan	Display type
18562460	60 kg	10 g	200 g	550 x 420 mm	LCD
18562470	150 kg	20 g	400 g		



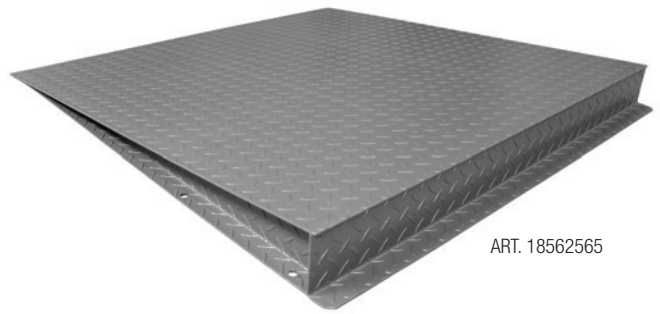
### FLOOR SCALE WITH LED DISPLAY IN PLASTIC HOUSING

Industrial floor scale with fast stabilization time and high precision. Ideal for weighing purposes on stocks, productions and facilities where heavy elements are to be weighed and controlled. LED display in robust ABS plastic housing, stainless steel stand and stainless steel platform in 2 sizes. Supplied with power adapter and rechargeable battery. Power source: AC 220V power adapter + rechargeable battery. Test load is not included, but can be bought separately (see p. 72)

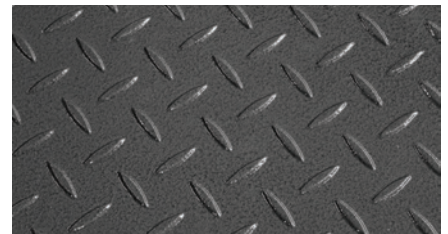
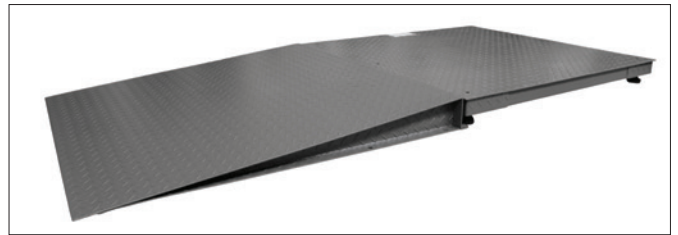
Item no.	Capacity	Readability	Minimum	Steel pan	Display type
18562415	60 kg	10 g	200 g	560 x 458 mm	LED
18562425	150 kg	20 g	400 g	560 x 458 mm	
18562435	300 kg	50 g	1000 g	800 x 600 mm	



ART. 18562500



ART. 18562565



### PLATFORM SCALE 3000 KG X 0,5 KG

Platform scale in high quality for industrial use. The platform scale has a robust steel construction and installed with 4 loadcells (one in each corner) and a strong threaded weighing plate. Delivered with LCD display with multiple functions: weighing, control weighing, counting, percentage weighing and accumulation, hold, tare / preset tare. Power source: AC 220V power adapter + 2xAA batteries. Test load is not included, but can be bought separately (see p. 72)

Item no.	Capacity	Readability	Minimum	Steel pan	Display type
18562500	3000 kg	500 g	10 kg	1200 x 1200 mm	LCD
18562565	Ramp for platform scale ART. 18562500 (1200 x 1200 mm)				



### PRECISION BALANCE SCALE

Precision balance with high resolution 0,01 g. and capacity from 600 - 3000 g. Comes with stainless steel pan and windscreen in glass. Backlit LCD display that shows digits very clearly. Standard test weight included (without certificate). Power source: AC 220V poweradapter + 2xAA batteries.

Item no.	Capacity	Readability	Minimum	Steel pan	Test load
18563340	300 kg	0,01 g	0,2 g	Ø120 mm	200 g
18563365	1000 kg	0,01 g	0,2 g	Ø120 mm	500 g
18563390	3000 kg	0,01 g	0,2 g	140 x 140 mm	2 x 500 g

# TEST WEIGHTS FOR ANY PURPOSE

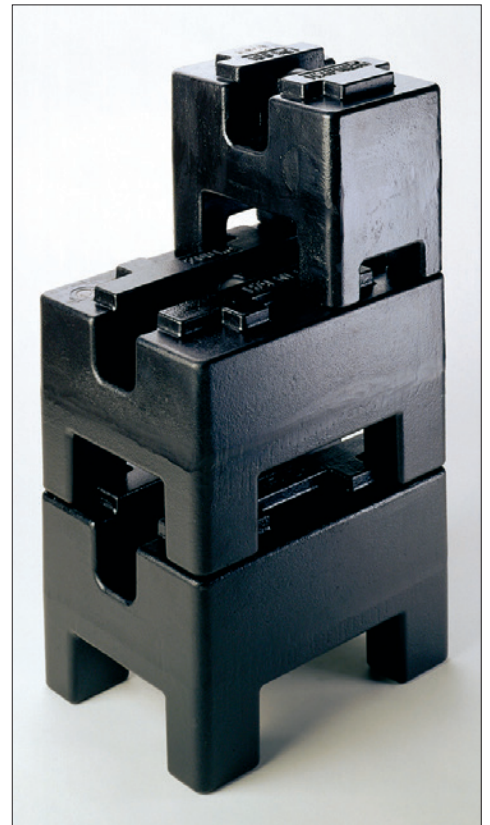
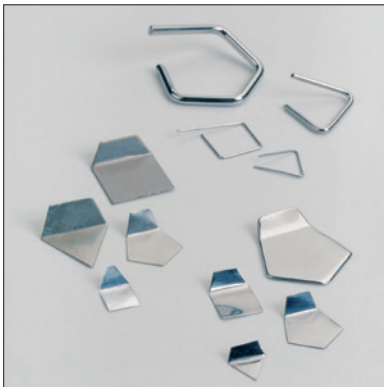
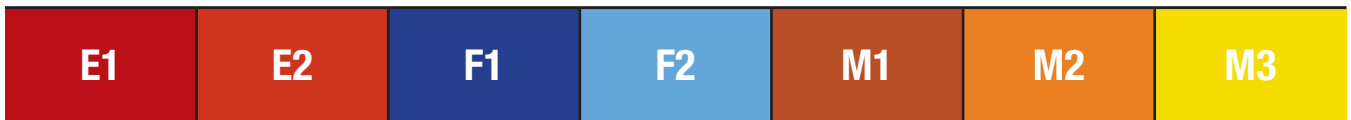
In collaboration with one of the world's leading manufacturers, Diesella can now supply a professional range of test weights for scales and various weighing applications.

Our weights range from milligrams to tons, all made under one roof. Special needs and wishes are also highly appreciated:

- Very small weights (down to 0.1 mg)
- Very large weights (up to 5000 kg)
- Special forms such as load weights or bentwire milligram weights
- Accessories such as bell jars or forks
- Special markings (e.g. barcodes and signs)
- Boxes and cases according to customer demands



## INDEX OF CLASSES THAT CAN BE SUPPORTED





# Hand tools





Since 1868, NEXUS has been manufacturing high-quality tools in Remscheid. For many decades now, they have specialised in developing and manufacturing pullers. Years of experience, high standards of precision and technology, and consistently high quality have made NEXUS one of the leading companies in this sector.

Universal pullers and special professional tools both feature in a comprehensive range of products offering the ideal tools for almost any pulling or extracting-related task. An enthusiastically innovative spirit, strong customer orientation and up-to-date applications of modern technology secure the company's lasting presence on both German and international markets. Modern logistics and a continuous renewal of stocks ensure that almost all of the product range can be rapidly available on short notice.

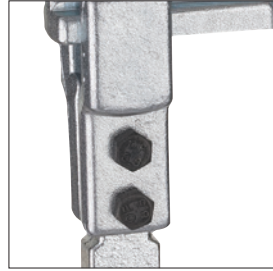
As a family business, NEXUS stands for tradition and sustainability – "MADE IN GERMANY". For over 100 years.



Above are examples of products from NEXUS. Contact us for more information.



Model: 100



## NEXUS UNIVERSAL-PULLER

With 2 arms.

100 mm = Spindle: M14 x 1,5 x 130 / Wrench size: 17

150 mm = Spindle: G1/2" x 14 x 210 / Wrench size: 22

200 mm = Spindle: G3/4" x 14 x 280 / Wrench size: 27

225 mm = Spindle: G1" x 11 x 310 / Wrench size: 36

Item no.	Ext. clamping width	Int. clamping width	Clamping depth	Max. torque	Max. load
25180110	20 - 90 mm	70 - 130 mm	100 mm	80	4,5 ton
25180115	25 - 130 mm	80 - 180 mm	100 mm	80	4,5 ton
25180120	50 - 160 mm	102 - 220 mm	150 mm	150	6,5 ton
25180125	60 - 200 mm	120 - 270 mm	150 mm	150	6,5 ton
25180130	80 - 250 mm	160 - 330 mm	200 mm	320	11 ton
25180135	80 - 350 mm	160 - 420 mm	200 mm	320	11 ton
25180140	110 - 520 mm	195 - 600 mm	200 mm	360	13 ton
25180145	140 - 640 mm	225 - 715 mm	200 mm	360	13 ton
25180150	170 - 640 mm	260 - 715 mm	225 mm	400	18 ton



Model: E100



## NEXUS UNIVERSAL-PULLER

With 2 arms.

100 mm = Spindle: M14 x 1,5 x 130 / Wrench size: 17

150 mm = Spindle: G1/2" x 14 x 210 / Wrench size: 22

200 mm = Spindle: G3/4" x 14 x 280 / Wrench size: 27

225 mm = Spindle: G1" x 11 x 310 / Wrench size: 36

Item no.	Ext. clamping width	Int. clamping width	Clamping depth	Max. torque	Max. load
25180210	20 - 90 mm	70 - 130 mm	100 mm	80	4,5 ton
25180215	25 - 130 mm	80 - 180 mm	100 mm	80	4,5 ton
25180220	50 - 160 mm	102 - 220 mm	150 mm	150	6,5 ton
25180225	60 - 200 mm	120 - 270 mm	150 mm	150	6,5 ton
25180230	80 - 250 mm	160 - 330 mm	200 mm	320	11 ton
25180235	80 - 350 mm	160 - 420 mm	200 mm	320	11 ton
25180240	110 - 520 mm	195 - 600 mm	200 mm	360	13 ton
25180245	140 - 640 mm	225 - 715 mm	200 mm	360	13 ton



Model: 113



Model: E113

## NEXUS UNIVERSAL-PULLER

With 3 arms.

100 mm = Spindle: M14 x 1,5 x 130 / Wrench size: 17

150 mm = Spindle: G1/2" x 14 x 210 / Wrench size: 22

Item no.	Model	Ext. clamping width	Clamping depth	Max. torque	Max. load
25182110	113	20 - 90 mm	100 mm	90	5,5 ton
25182115	113	25 - 130 mm	100 mm	90	5,5 ton
25182120	113	50 - 160 mm	150 mm	180	7 ton
25182125	113	60 - 200 mm	150 mm	180	7 ton
25182210	E113	20 - 90 mm	100 mm	90	5,5 ton
25182215	E113	25 - 130 mm	100 mm	90	5,5 ton
25182220	E113	50 - 160 mm	150 mm	180	7 ton
25182225	E113	60 - 200 mm	150 mm	180	7 ton



Model: 141-x

## NEXUS MINI-PULLER

With 2 arms.

ART. 25184110 / 25184120 = Wrench size 10

ART. 25184130 = Wrench size 12

Item no.	Ext. clamping width	Clamping depth	Max. torque	Max. load	Spindle
25184110	10 - 60 mm	40 mm	18	1 ton	M8 x 85
25184120	10 - 70 mm	44/74 mm	20	1,2 ton	M8 x 85
25184130	10 - 90 mm	84 mm	24	2 ton	M10 x 105



Model: 141-xx

## NEXUS MINI-PULLER

With 3 arms.

ART. 25184210 / 25184220 = Wrench size 10

ART. 25184230 = Wrench size 12

Item no.	Ext. clamping width	Clamping depth	Max. torque	Max. load	Spindle
25184210	10 - 60 mm	40 mm	20	1,2 ton	M8 x 85
25184220	10 - 70 mm	44/74 mm	21	1,3 ton	M8 x 85
25184230	10 - 90 mm	84 mm	40	2,5 ton	M10 x 105





Model: 115

### NEXUS SELF-LOCKING STRAP PULLER

With 2 arms.

ART. 25185100 = Spindle: M14 x 1,5 x 130 / Wrench size: 17

ART. 25185200 = Spindle: M18 x 1,5 x 240 / Wrench size: 19

Item no.	External clamping width	Clamping depth	Max. torque	Max. load
25185100	20 - 170 mm	130 mm	50	3,5 ton
25185200	20 - 230 mm	200 mm	60	4,0 ton



Model: 172

### NEXUS SEPERATOR PULLER

Spindle: M14 x 1,5 x 130 / Wrench size: 17

Item no.	External clamping width	Clamping depth	Max. torque	Max. load
25192210	40 - 115 mm	150 mm	30	2 ton
25192220	45 - 140 mm	150 mm	40	2,5 ton



Model: 116

### NEXUS SELF-LOCKING STRAP PULLER

With 3 arms.

ART. 25186100 = Spindle: M14 x 1,5 x 130 / Wrench size: 17

ART. 25186200 = Spindel: M18 x 1,5 x 240 / Wrench size: 19

Item no.	External clamping width	Clamping depth	Max. torque	Max. load
25186100	20 - 170 mm	130 mm	60	4 ton
25186200	20 - 230 mm	200 mm	70	4,5 ton



### NEXUS DISPLAY SET

With 2 arms.

Item no.	Ext. clamping width	Clamping depth	Items in set
25195105	20 - 250 mm	200	5
25195115	10 - 200 mm	150	5
25195125	20 - 200 mm	150	5
25195135	10 - 200 mm	150	5
25195145	20 - 200 mm	150	4
25195205	20 - 250 mm	200	5
25195215	10 - 200 mm	150	5
25195225	20 - 200 mm	150	5
25195235	10 - 200 mm	150	5
25195245	20 - 200 mm	150	4



Model: 170

### NEXUS SEPERATOR PULLER

ART. 25192110 = Spindle: M10 x 120 / Wrench size: 17

ART. 25192120 = Spindle: M12 x 140 / Wrench size: 19

Item no.	External clamping width	Clamping type	Max. torque	Max. load
25192110	5 - 60 mm	172-0 + 172-1	30/40	2 ton
25192120	12 - 75 mm	172-1 mm	40	2,5 ton



ART. 25195330

ART. 25195430



### NEXUS UNIVERSAL PULLER SET

Krallex.

Item no.	Ext. clamping width	Clamping depth	Items in set
25195330	25 - 130 mm	100 / 200 / 250	13
25195430	25 - 130 mm	100 / 200 / 250	13



**KEY-BAK KEY REEL**

With belt clip and a retraction force of 225 grams. Can hold up to 15 keys.

Item no.	Model no.	Wire material	Wire extension reach	Weight
20180100	S48K	KEVLAR cord	120 cm	97 g
20180115	455B-HDK	KEVLAR cord	120 cm	70 g
20180120	5B	Stainless steel chain	60 cm	70 g



**KEY-BAK KEY REEL**

With belt clip, KEVLAR wire and bolt snap.

Item no.	Model no.	Wire extension reach	Retraction strength	Hold keys	Weight
20180130	488B-HDK	90 cm	170 g	10 keys	66 g
20180145	488B-HD	120 cm	225 g	15 keys	91 g
20180160	OKB1-0A21	60 cm	112 g	5 keys + ID card	47 g



ART. 20180090

**KEY-BAK KEYCHAIN MINI-BAK AND ID CARD**

Small and smart keychain for small items and ID card. Wire extension: 90 cm.

Item no.	Model nr.	Attachment	Color	Retraction strength	Hold keys
20180080	MBSR	Belt clip	Black	56 g	3 keys
20180082	MBSR	Belt clip	Blue	56 g	3 keys
20180084	MBSR	Belt clip	White	56 g	3 keys
20180090	MBID	Belt clip	Black	56 g	ID card



**KEY-BAK CHUCK KEY RETRATOR**

Stainless steel chain.

Item no.	Model no.	Attachment	Wire material	Wire extension reach
20180175	7LSC	2 screws (not incl.)	Stainless steel	60 cm



**KEY-BAK CHUCK KEY RETRATOR**

Stainless steel chain.

Item no.	Model no.	Attachment	Wire material	Wire extension reach
20180175	7LSC	2 screws (not incl.)	Stainless steel	60 cm



## KEY-BAK KEY REEL

Capacity 15 keys. The reel can rotate around the belt clip. The cord can be locked. Made in U.S.A.

Item no.	Model no.	Attachment	Wire materiale	Extension reach	Retraction strength
20180112	LOCK48	Belt clip	KEVLAR cord	120 cm	225 g



## KEY-BAK POCKET CHAIN

With split ring and trigger snap.

Item no.	Model no.	Attachment	Wire material	Wire extension reach	Weight
20180060	7402	Trigger snap	Nickel plated	48 cm	27 gram



## KEY TAG IN PLASTIC

Item no.	Color	Writing field	Key ring type	Key tag qty.
20327110	Black	35 x 15 mm	S-hook	50 pcs
20327120	Yellow	35 x 15 mm	S-hook	50 pcs
20327130	Green	35 x 15 mm	S-hook	50 pcs
20327140	Blue	35 x 15 mm	S-hook	50 pcs
20327150	Red	35 x 15 mm	S-hook	50 pcs
20327205	Ass. (5 colors)	35 x 15 mm	S-hook	10 pcs
20327220	Ass. (5 colors)	35 x 15 mm	S-hook	100 pcs



## KEY RING

Item no.	Material	Outside diameter	Inside diameter	Packing
20326010	Nickelplated steel	~ 10,0 mm	~ 8,2 mm	10 pcs
20326014	Nickelplated steel	~ 10,0 mm	~ 8,2 mm	100 pcs
20326018	Nickelplated steel	~ 14,0 mm	~ 12,0 mm	10 pcs
20326022	Nickelplated steel	~ 14,0 mm	~ 12,0 mm	100 pcs
20326026	Nickelplated steel	~ 16,0 mm	~ 13,4 mm	10 pcs
20326030	Nickelplated steel	~ 16,0 mm	~ 13,4 mm	100 pcs
20326034	Nickelplated steel	~ 20,0 mm	~ 17,3 mm	10 pcs
20326038	Nickelplated steel	~ 20,0 mm	~ 17,3 mm	100 pcs
20326042	Nickelplated steel	~ 24,0 mm	~ 22,1 mm	10 pcs
20326046	Nickelplated steel	~ 24,0 mm	~ 22,1 mm	100 pcs
20326050	Nickelplated steel	~ 26,0 mm	~ 24,2 mm	10 pcs
20326054	Nickelplated steel	~ 26,0 mm	~ 24,2 mm	100 pcs
20326058	Nickelplated steel	~ 30,0 mm	~ 28,0 mm	10 pcs
20326062	Nickelplated steel	~ 30,0 mm	~ 28,0 mm	50 pcs
20326066	Nickelplated steel	~ 35,0 mm	~ 30,6 mm	10 pcs
20326070	Nickelplated steel	~ 35,0 mm	~ 30,6 mm	50 pcs
20326074	Nickelplated steel	~ 38,0 mm	~ 33,9 mm	10 pcs
20326078	Nickelplated steel	~ 38,0 mm	~ 33,9 mm	50 pcs
20326136	Stainless steel (316)	~ 20,0 mm	~ 16,6 mm	10 pcs
20326140	Stainless steel (316)	~ 20,0 mm	~ 16,6 mm	100 pcs
20326144	Stainless steel (316)	~ 25,0 mm	~ 21,1 mm	10 pcs
20326148	Stainless steel (316)	~ 25,0 mm	~ 21,1 mm	100 pcs
20326152	Stainless steel (316)	~ 30,0 mm	~ 26,0 mm	10 pcs
20326156	Stainless steel (316)	~ 30,0 mm	~ 26,0 mm	50 pcs



## TAG

Item no.	Material	Size	Hole Ø	Packing
20327010	Brass	Ø27 x 0,8 mm	4 mm	10 pcs
20327015	Brass	Ø27 x 0,8 mm	4 mm	100 pcs
20327040	Stainless steel (316)	Ø32 x 1,2 mm	4 mm	10 pcs
20327045	Stainless steel (316)	Ø32 x 1,2 mm	4 mm	50 pcs



## KEY-BAK CARABINER KEY RING

Black aluminum carabiner with ring and trigger snap.

Item no.	Model no.	Attachment	Ø split ring	Length	Weight
20180055	8200	Trigger snap	31 mm	11,4 cm	27 gram





### INDUSTRIAL ETCHING PEN

Used for marking on item and spare parts. Prepare the surface with the enclosed sponge and write on the item. Then neutralize with Neutralix.

Item no.	For	Cap colour
20147910	Steel	●
20147915	Tool steel	●
20147920	Aluminum, bronze and copper	●
20147925	Carbide	○
20147930	Neutralix fluid, 100 ml.	



### CARPENTER PENCIL PROFI (RED), 100 PCS.

Water resistant HB pencil for marking on wood, cardboard, paper, etc.

### MASONRY PENCIL PROFI (GREEN), 100 PCS.

Waterproof hard (10H) pencil for marking on rough surfaces, stone, brick, concrete

Vare nr.	Colour of shank	Form	Length
20146105	●	Oval	240 mm
20146108	●	Oval	300 mm
20146110	●	Octagon	175 mm
20146115	●	Flat oval	240 mm
20146120	●	Oval	240 mm
20146125	●	Oval	300 mm
20146130	●	Octagon	240 mm



### DEEP HOLE MARKER INK

Waterproof labeling on almost all materials. Tip: Ø3 mm, length 25 mm.

Item no.	Colour	Length on tip	Packing
20148100	●	25 mm	1 pcs
20148120	●	25 mm	20 pcs



### DEEP-HOLE MARKER WITH GRAPHITE LEAD

Metal pencil with built-in sharpener. Replaceable, water-resistant graphite pins. Tip Ø6 mm, length 40 mm.

Item no.	Colour on handle	Thickness of point
20145710	●	2,8 mm

ART. 20147130



ART. 20147230



### PERMANENT MARKER (10 PCS IN PACKAGE)

For marking on almost all types of material, ex. plastic, cables, metal, labels, rubber, wood, glass, etc. Light-resistant and quick-drying.

Low odor without Xylol/Toluol.

Item no.	Colour	Thickness of point
20147130	●	1,0 mm
20147140	●	1,0 mm
20147150	●	1,0 mm
20147160	●	1,0 mm
20147230	●	1,5 - 3,0 mm
20147240	●	1,5 - 3,0 mm
20147250	●	1,5 - 3,0 mm
20147260	●	1,5 - 3,0 mm



### INDUSTRY MARKER

Professional industry marker for clear labeling on almost all materials such as glass, metal, plastic, stone, cardboard, tile, wood. Waterproof, fast drying lacquer. 1-2 mm and 4 mm have reversible felt tip.

Item no.	Colour	Thickness of point
20147330	●	4,0 mm
20147340	●	4,0 mm
20147350	●	4,0 mm
20147360	●	4,0 mm
20147370	○	4,0 mm
20147431	●	1 - 2 mm
20147441	●	1 - 2 mm
20147451	●	1 - 2 mm
20147461	●	1 - 2 mm
20147471	○	1 - 2 mm
20147532	●	0,8 mm
20147542	●	0,8 mm
20147552	●	0,8 mm
20147562	●	0,8 mm
20147572	○	0,8 mm



### LEADS FOR DEEP-HOLE MARKER DRY

Pack of 6 pcs.

Item no.	Colour	Thickness of point:
20145720	Graphite	2,8 mm
20145730	●	2,8 mm
20145740	●	2,8 mm
20145750	2 x graphite, 2 x red, 2 x yellow	2,8 mm



### CRAYON UNIVERSAL

For marking on dry and wet wood, paper, carton, metal, stone, concrete etc. Wiping proof and weather resistant.

Item no.	Colour	Diameter	Length	Pack size
20149130	●	Ø12 mm	120 mm	12 pcs
20149140	●	Ø12 mm	120 mm	12 pcs
20149150	●	Ø12 mm	120 mm	12 pcs
20149160	●	Ø12 mm	120 mm	12 pcs
20149170	○	Ø12 mm	120 mm	12 pcs
20149180	●	Ø12 mm	120 mm	12 pcs



### CRAYON FOR TIRE

Crayon for marking on tire.

Item no.	Colour	Diameter	Length	Pack size
20149205	●	Ø12 mm	120 mm	12 pcs
20149210	○	Ø12 mm	120 mm	12 pcs



### CRAYON HOLDER

For round and hexagonal crayon with a diameter of 11-12 mm.

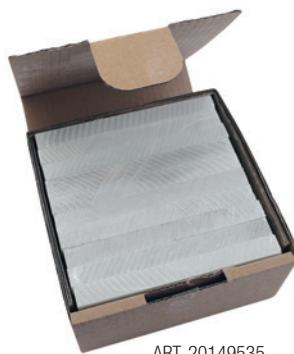
Item no.	Colour	Diameter	Material	Pack size
20149100	●	Ø11 - 12,0 mm	Aluminum w. clip holder	1 pc



### UNIVERSAL OIL MARKER

All purpose oil for allround use. Supplied in a package of 50 pcs.

Item no.	Diameter	Contains	Packing
20150100	2 - 5 mm	8 ml silicone free oil	50 pcs



ART. 20149520



ART. 20149535



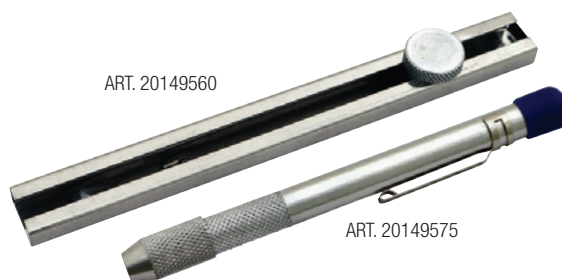
ART. 20149535

### SOAPSTONE CHALK

For marking on metal and steel, welding and cutting up to 2000 degrees visible with welding glass.

Item no.	Size	Form	Packing
20149520	10 x 10 x 100 mm	Square	50 pcs
20149535	127 x 12,7 x 4,8 mm	Flat	144 pcs
20149550	125 x Ø6,4 mm	Round	144 pcs

ART. 20149560



ART. 20149575

### HOLDER FOR SOAPSTONE CHALK

Item no.	Dimensions on chalk	Type
20149560	127 x 12,7 x 5 mm	Flat
20149575	125 x Ø6,4 mm	Round



### PROFI MARKER SET

Professional marking pencil in high quality with pencil sharpener. Replaceable graphite pins. Can be used for labeling on almost all materials. Incl. 17 leads (5 of each colour - graphite, red, yellow + 2 in pencils)

Item no.	Colour	Material	Pack size
20149410	● ● ●	Metal pencil	1 set



### PROFI MARKER WELDING SET

Professional marking set for especially steel industry. Supplied with red pins for normal marking and "soapstone pins" for marking by welding work. Incl. 2 pencils and 10 soapstones and 5 red + 2 in pencils.

Item no.	Colour	Material	Pack size
20149425	● ○	Metal pencil	1 set



### LEAD REFILLS (5 PCS.)

For Profi-Marker set and Profi-Marker welding set.

Item no.	Colour	Material	Pack size
20149430	●	Crayon	1 set
20149435	○	Soapstone	1 set
20149440	●	Graphite	1 set
20149445	●	Crayon	1 set



### MECHANICAL SONARSCOPE

Used for troubleshooting on motors and bearings.

Vare nr.	Length of steel tip
20120100	300 mm



10 pcs per package

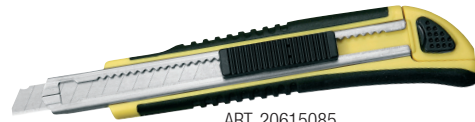


50 pcs per package

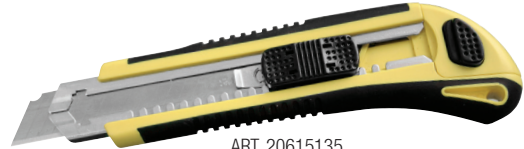
### BLADES

Fits all standard Snap off knives, comes in plastic box.

Item no.	Size and contents
20618510	9 mm / 10 pcs
20618252	18 mm / 10 pcs
20618540	18 mm / 50 pcs
20618555	25 mm / 10 pcs



ART. 20615085



ART. 20615135



ART. 20615110

### KNIFE "ASSIST" W/ AUTOLOCK AND BLADE STORAGE

Auto-lock, rubber handle for maximum control and comfort. Incl. blade storage.

Item no.	Blade
20615085	9 x 80 x 0,4 mm
20615135	18 x 100 x 0,5 mm
20615110	18 x 100 x 0,5 mm



ART. 20615185



ART. 20615210

### KNIFE "ASSIST" W/ SCREWLOCK AND BLADE STORAGE

Rubber handle for maximum control and comfort. Item no. 20615185 has extra blade storage.

Item no.	Blade
20615185	18 x 100 x 0,5 mm
20615210	25 x 126 x 0,7 mm



### KNIFE "ASSIST" W/ AUTOLOCK AND BLADE STORAGE

Zinc-alloyed housing with rubber. Incl. 5 blades.

Item no.	Blade
20615407	18 mm



ART. 20119150



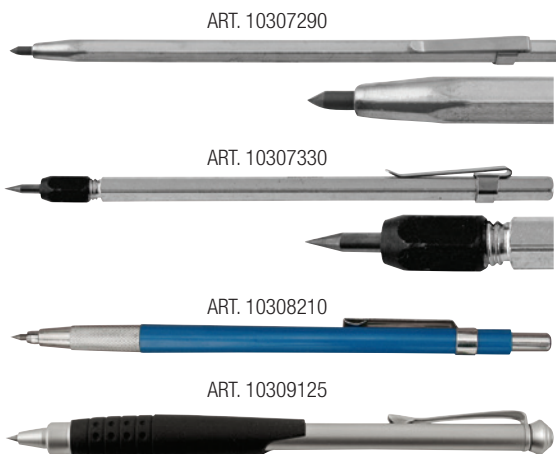
ART. 20119100

### HAND COUNTER

Metal w. reset turning wheel and finger ring. 0 - 9999 and can be reset.

Item no.	Number of digits	Height, digits	Diameter	Foot
20119100	4	4,5 mm	45 mm	No
20119150	4	4,5 mm	45 mm	Yes





## CARBIDE SCRIBER

Item no.	Description	Complete
10307290	Hardmetal scriber (fixed tip)	x
10307330	Hardmetal scriber, replaceable tip	x
10307345	Hardmetal point Ø 2,5 mm for ART. 10307330	-
10307350	Clip for scriber ART. 10307330	-
10308210	Hardmetal scriber, replaceable tip	x
10308425	Hardmetal point Ø 2,0 for ART. 10308210	-
10309125	Hardmetal scriber Ø 2,0 (Deluxe type) replaceable tip	x
10309340	Hardmetal point Ø 2,0 mm for ART. 10309125	-



## TELESCOPIC INSPECTION MIRROR (ROUND)

Telescopic inspection mirror, convenient pen type w. pocket clip, special design joint allows it to move at an y-angle, gives good visibility in concealed areas.

Item no.	Mirror size	Max. length
15040310	Ø 30 mm	430 mm



## TELESCOPIC INSPECTION MIRROR (ELLIPSE)

Telescopic inspection mirror, convenient pen type w. pocket clip, special design joint allows it to move at an y-angle, gives good visibility in concealed areas.

Item no.	Mirror size	Max. length
15040345	25 x 50 mm	430 mm



## INSPECTION MIRROR (SQUARE)

Telescopic inspection mirror, rubber-grip handle, big square mirror.

Item no.	Mirror size	Max. length
15040380	54 x 89 mm	385 mm



## TELESCOPIC MAGNET W. POCKET CLIP

Powerful magnet, picks up magnetic objects in inaccessible places.

Item no.	Ø	Max. lift	Max. length
20118195	14 mm	2,20 kg	635 mm
20118180	11 mm	1,30 kg	650 mm
20118165	9 mm	0,65 kg	650 mm
20118150	6,9 mm	0,35 kg	650 mm



## LED MAGNETIC TELESCOPE WITH POCKET CLIP

Powerful telescope magnet with pocket clips, convenient for collecting magnetic objects such as bolts and nuts on impassable places.

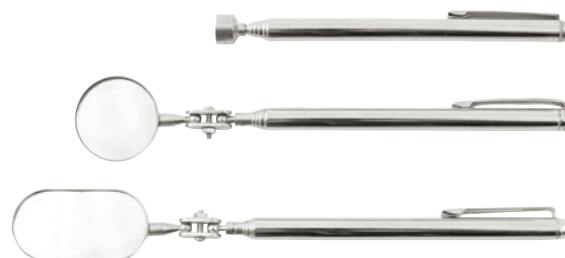
Item no.	Ø magnet	Max. lifting	Max. length	Battery
20118245	N/A	1,3 kg	665 mm	AG3/LR41



## LED INSPECTION MIRROR

With telescopic rod (length: 665 mm).

Item no.	Mirror size	Max. telescoping length	LED light	Battery
15040425	Ø30 mm	740 mm	44.000 mcd	3 x AG3/LR41
15040430 = Ø30 mm / 15040432 = Ø24 mm / 15040434 = Ø14 mm				



## TELESCOPIC MAGNET/MIRROR SET

Inspection mirror with telescopic handle for increased working length, convenient pen type with pocket clip. Powerful telescope magnet with pocket clip, suitable for magnetic objects.

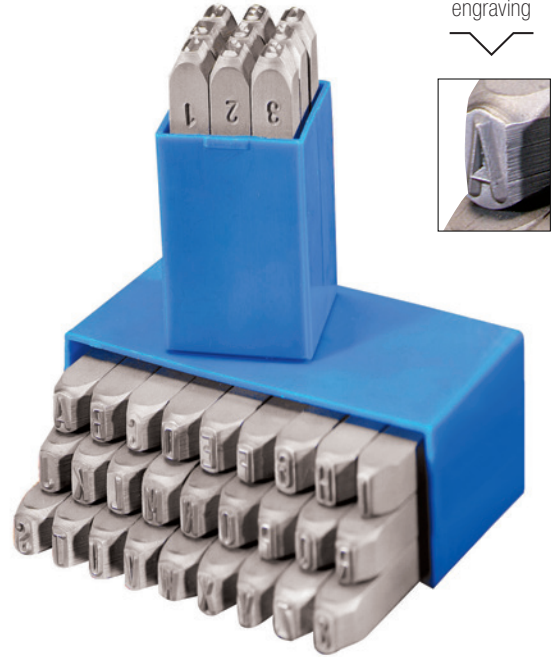
Item no.: 92271635

Type	Mirror size	Lifting force	Max. length
Telescopic magnet	-	1,30 kg	650 mm
Inspection mirror (round)	Ø 30 mm	-	430 mm
Inspection mirror (ellipse)	25 x 50 mm	-	430 mm

## HAND STAMP SETS, STANDARD

Tensile strength up to 800N/mm<sup>2</sup>. Type of characters acc. to DIN1451.  
Tip hardness: 58-61 HRC. Packed in blue plast box.

NUMBERS		LETTERS		Size	Dimensions	Weight, numbers	Weight, letters
Item no.	Item no.	Item no.	Item no.				
20134105	20134205	1 mm	6 x 6 x 65 mm	150 g	500 g		
20134110	20134210	1,5 mm	6 x 6 x 65 mm	150 g	500 g		
20134115	20134215	2 mm	6 x 6 x 65 mm	150 g	500 g		
20134120	20134220	2,5 mm	6 x 6 x 65 mm	150 g	500 g		
20134125	20134225	3 mm	6 x 6 x 65 mm	150 g	500 g		
20134130	20134230	4 mm	7 x 7 x 65 mm	200 g	600 g		
20134135	20134235	5 mm	8 x 8 x 65 mm	300 g	800 g		
20134140	20134240	6 mm	9 x 9 x 75 mm	400 g	1200 g		
20134145	20134245	7 mm	11 x 11 x 76 mm	600 g	1850 g		
20134150	20134250	8 mm	11 x 11 x 76 mm	600 g	1850 g		
20134155	20134255	9 mm	12 x 12 x 80 mm	800 g	2300 g		
20134160	20134260	10 mm	12 x 12 x 80 mm	800 g	2300 g		
20134165	20134265	11 mm	14 x 14 x 80 mm	1100 g	3100 g		
20134170	20134270	12 mm	14 x 14 x 80 mm	1100 g	3100 g		
20134175	20134275	14 mm	16 x 16 x 80 mm	1500 g	4300 g		
20134180	20134280	15 mm	16 x 16 x 80 mm	1500 g	4300 g		



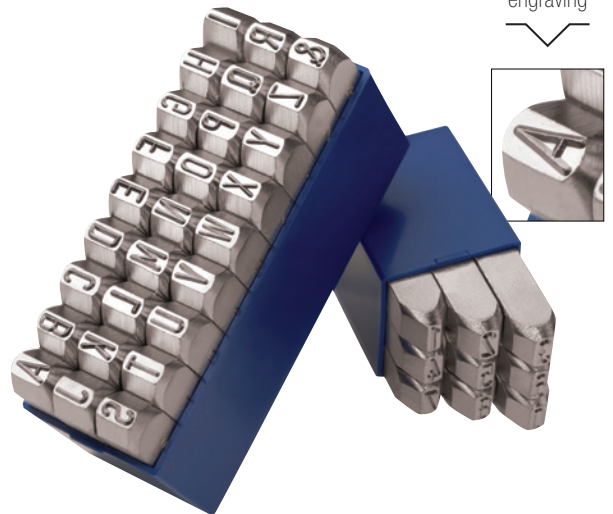
Sharp engraving



## HAND STAMP SETS, STANDARD EXTRA

Recommended for stainless steel marking. Protection against contamination with steel parts with nickel-plated surface. Tensile strength up to 1200N/mm<sup>2</sup>.  
Type of characters acc. to DIN1451. Tip hardness: 58-61 HRC.  
Packed in blue plastbox.

NUMBERS		LETTERS		Size	Dimensions	Weight, numbers	Weight, letters
Item no.	Item no.	Item no.	Item no.				
20134305	201342405	2 mm	7 x 7 x 75 mm	250 g	750 g		
20134310	20134410	3 mm	8 x 8 x 75 mm	300 g	1000 g		
20134315	20134415	4 mm	9 x 9 x 80 mm	450 g	1300 g		
20134320	20134420	5 mm	10 x 10 x 80 mm	550 g	1600 g		
20134325	20134425	6 mm	12 x 12 x 85 mm	800 g	1600 g		
20134330	20134430	7 mm	14 x 14 x 90 mm	1200 g	3500 g		
20134335	20134435	8 mm	14 x 14 x 90 mm	1200 g	3500 g		
20134340	20134440	10 mm	16 x 16 x 90 mm	1500 g	4500 g		
20134345	20134445	12 mm	18 x 18 x 100 mm	2200 g	6400 g		
20134350	20134450	15 mm	18 x 18 x 100 mm	2200 g	6400 g		



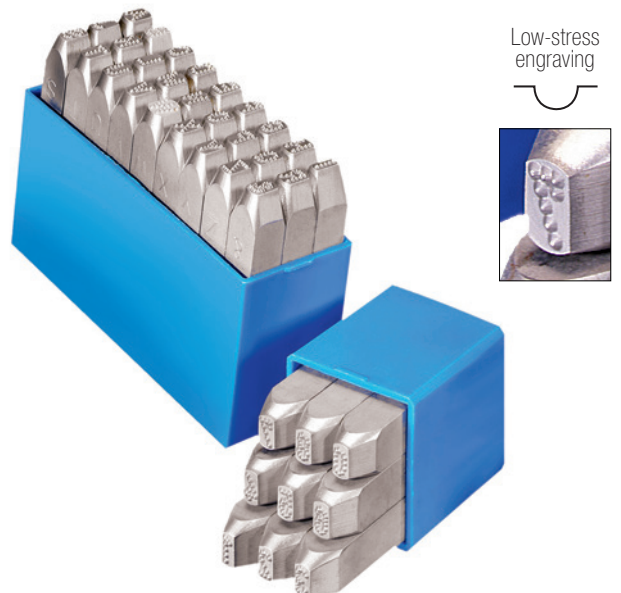
Sharp engraving



## HAND STAMP SETS, DOT TYPE ( LOW STRESS)

Recommended for marking on steel where the strength wants to be maintained.  
For exampel in offshore constructions. Type of characters acc. to DIN1451 (middle)  
Tip hardness: 58-61 HRC. Packed in blue plast box.

NUMBERS		LETTERS		Size	Dimensions	Weight, numbers	Weight, letters
Item no.	Item no.	Item no.	Item no.				
20135100	20135200	2 mm	7 x 7 x 75 mm	250 g	750 g		
20135105	20135205	3 mm	8 x 8 x 75 mm	300 g	1000 g		
20135110	20135210	4 mm	9 x 9 x 80 mm	450 g	1300 g		
20135115	20135215	5 mm	10 x 10 x 80 mm	550 g	1600 g		
20135120	20135220	6 mm	12 x 12 x 85 mm	800 g	2400 g		
20135125	20135225	8 mm	14 x 14 x 90 mm	1200 g	3500 g		
20135130	20135230	10 mm	16 x 16 x 90 mm	1500 g	4500 g		
20135135	20135235	12 mm	18 x 18 x 100 mm	2200 g	6400 g		

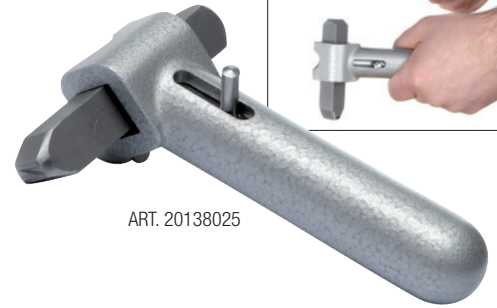


Low-stress engraving





ART. 20138010



ART. 20138025



### STAMP SET WITH INTERCHANGEABLE STAMPS

Handheld holder with interchangeable numbers and letters. Surface treated for greater rust resistance. Comes in a suitcase with 100 + 6 blank stamps.

Item no.	Size	Dimensions	Capacity in holder
20138510	1 mm	1,5 x 4 x 19 mm	19
20138515	1,5 mm	1,5 x 4 x 19 mm	19
20138520	2 mm	2 x 4 x 19 mm	14
20138525	2,5 mm	2,5 x 6 19 mm	15
20138530	3 mm	3 x 6 x 19 mm	13
20138540	4 mm	4 x 8 x 19 mm	10
20138550	5 mm	5 x 8 x 19 mm	8

### STAMP HOLDER

Available in 2 editions - both increase your security.

Item no.	Max. stamp size	Material	Capacity in holder
20138010	20 x 20 mm	Plastic	Hand wheel
20138025	20 x 20 mm	Steel	Spring locking

Each suitcase contains:

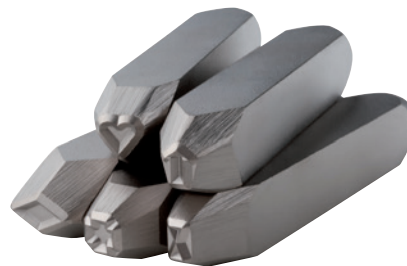
A	A	A	B	B	C	C	D	D	E	E	E	E	F	F	G	G	H	H	I
I	I	J	J	K	K	L	L	L	M	M	N	N	N	O	O	O	P	P	Q
R	R	R	S	S	S	T	T	U	U	U	V	V	W	W	X	X	Y	Z	/
/	-	-	.	.	,	,	1	1	1	1	2	2	2	2	3	3	3	4	4
4	4	5	5	5	6	6	6	7	7	7	8	8	8	9	9	9	0	0	0

Incl. 6 blank stamps (space)

### CONTROL- / INSPECTION STAMPS

Individual marking and identification by simple symbols. Choose dimension and symbol to the right and order at Diesella.

Height of impression	Dimensions
2 mm	10 x 10 x 80 mm
3 mm	10 x 10 x 80 mm
4 mm	10 x 10 x 80 mm
5 mm	12 x 12 x 85 mm
6 mm	12 x 12 x 85 mm
7 mm	14 x 14 x 90 mm
8 mm	14 x 14 x 90 mm
10 mm	16 x 16 x 95 mm
12 mm	18 x 18 x 100 mm
15 mm	20 x 20 x 105 mm



### SYMBOLS TO CONTROL- / INSPECTION STAMPS

	A	B	C	D	E	F
1	+	△	∩	♥	*	☆
2	⊗	⊙	⊠	⊖	∩	∪
3	⊗	∩	⊖	∩	∩	∩
4	∩	∩	∩	∩	∩	∩
5	∩	∩	∩	∩	∩	∩
6	∩	∩	∩	∩	∩	∩
7	∩	∩	∩	∩	∩	∩
8	∩	∩	∩	∩	∩	∩
9	∩	∩	∩	∩	∩	∩
10	∩	∩	∩	∩	∩	∩

### THE FOLLOWING PRODUCTS ARE AVAILABLE ON REQUEST



### COMPACT DIGIT STAMP

Quick and easy change of numbers. Available from 2 - 6 mm.



### BRANDING IRON

Branding for wood, leather, etc. Produced according to the customer's drawing.



### STENCIL SET

3 types = numbers (0-9) - lowercase letters (a-z) - uppercase letters (A-Z). Up to 150 mm.



# NOGA BURRS / HEAVY DUTY Ø3,2 MM

## NOGA BURR 3 SET NG1003

Item no.  
61120210



**INCL.  
3 BLADES**

- Material: Soft rubber
- Working rotation: Right hand
- Blades: S10, S20, S35
- Packing: 1 pc

## NOGA BURR 5 SET NG1005

Item no.  
61120220



**INCL.  
5 BLADES**

- Material: Soft rubber
- Working rotation: Right hand
- Blades: S10, S20, S35, S101, S201
- Packing: 1 pc

## NOGA SUPER BURR SET NG3003

Item no.  
61120230



- Material: Soft rubber
- Working rotation: Right hand
- Blades: S10, S30, S100
- Packing: 1 pc
- Holder: S type telescopic holder

## NOGA ACCESSORIES

Item no.  
61120305



Item no.  
61120325



Item no.  
61120315



### NOGA NG-1 HANDLE NG1000 FOR TYPE S (ART. 61120305)

- NOGA type: NG-1
- Material: Rubber
- NOGA no: NG1000
- Used for: S type blades

### NOGA NG-3 HANDLE NG3000 FOR HOLDERS (ART. 61120315)

- NOGA type: NG-3
- Material: Rubber
- NOGA no: NG3000
- Used for: Holder C, D, K, L, N, S og T

### NOGA S HOLDER EL02003 (ART. 61120325)

- Holder for S handle: NG-1 and NG-3

## PROMO SET NG8150

Item no.  
61142140



## TELE SET NG8350

Item no.  
61142110



- Grip holder type: NG1
- Blade type: 10 pc. S10
- Package quantity: 1 set
- Grip holder type: NG3
- Holder type: S
- Blade type: 5 x S10, 5 x S20
- Package quantity: 1 set

## NOGA PLASTIC EDGE OFF E02000 / RAPID RB1000

Item no.  
61120110



Item no.  
61120140



- Material: EO = Plastic, RB = Alu
- Working rotation: Right hand
- Blade: S10
- Packing: 1 pc

## NOGA EDGE OFF E01000

Item no.  
61120120



- Material: Aluminum
- Working rotation: Right hand
- Blade: S10
- Packing: 1 pc

## NOGA PLASTIC RAPID BURR RB1400

Item no.  
61120130



- Material: Plastic/SW100
- Working rotation: Right hand

## NOGA BLADES Ø3,2 MM

Item no.	NOGA no.	Blade	Grade	Bestseller =
61120405	BS1010	S10	40	●
61120408	BS1011	S10	40	
61120410	BS1012	S10 Tin	40	
61120411	BS1016	S10 Carbide	50	
61120415	BS2010	S20	60	L/R ●
61120420	BS2012	S20 Tin	60	L/R
61120421	BS2015	S20 Carbide	60	
61120425	BS3010	S30	40	
61120428	BS3003	S30 Tin	7	
61120430	BS3510	S35	55	L/R ●
61120435	BS6001	S60	40	
61120440	BS1018	S100 Cobalt	45	●
61120445	BK1010	S101	40	
61120446	BK1011	S101	29	
61120448	BK1012	S101 Tin	29	
61120450	BK3010	S150	45	●
61120453	BK3112	S150 Tin	38	
61120455	BK2010	S202	55	L/R
61120480	BS9110	Non Scratch	40	

# NOGA BURRS / LIGHT DUTY Ø2,6 MM

## NOGA MAGIC BURR 2 SET NG2002

Item no.  
61125210



- Material: HSS 62-64Rc
- Blade type: N1 + N2
- Packing: 2 pcs

## NOGA MAGIC BURR 4 SET NG2004

Item no.  
61125220



- Material: HSS 62-64Rc
- Blade type: N1, N2, N3 + N6
- Packing: 2 pcs

## NOGA NG-2 HANDLE NG2000 FOR TYPE N BLADES

Item no.  
61125310



- Material: Rubber
- Type: NG-2
- Used for: N type blades

## NOGA TELE BURR NG3002

Item no.  
61125230



- Material: HSS 62-64Rc
- Blade type: N1 + N2 (BN1010 + BN2010)
- Holder: N type
- Packing: N1 + N2, N-holder and handle

## NOGA N TELESCOPIC HOLDER EL01033

Item no.  
61125320



- Holder for N handle: NG-2 + NG-3

## NOGA TEDDY BURR TB1000

Item no.  
61125110



- Material: HSS 62-64Rc
- Blade type: N1
- Handle: Aluminum
- Packing qty : 10 pcs blades + 1 pc handle

## NOGA BLADES Ø2,6 MM

Item no.	NOGA no.	Blade	Grade	Bestseller =
61125405	BN1010	N1	40	●
61125410	BN1012	N1 Tin	40	
61125415	BN2010	N2	80	●
61125420	BN2012	N2 Tin	80	
61125425	BN1310	N10 Cobalt	45	
61125428	BN1410	N10 Cobalt	35	●
61125430	BN3010	N3	50	
61125435	BN6001	N6	40	

## NOGA MULTIBURR RG1000

Item no.  
61133200



- Contains 4 exchangeable tools:  
BS1010 blade = For steel, aluminum and plastic. (3,2 mm shaft)  
BN2010 blade = Ideal for brass and cast iron. (2,6 mm shaft, L/R)  
BD5010 scraper = Ideal for toolmakers.  
BC1041 countersink = Countersinking 1 - 10,4 mm, 90°.

## NOGA CONVEXED CERA-CUT CR2000

Item no.  
61200225



## NOGA CONCAVED CERA CUT CR2300



Item no.  
61200230

- Handle type: 1 x CERA-CUT
- Quantity: 1 pc
- Changeable blade: Yes

## NOGA SOFT CUT TOOL NC5100

Item no.  
61200255



## NOGA HARD CUT TOOL NC5200

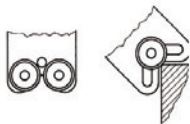


Item no.  
61200260

- NC5100 handle/cut blade = 65°
- NC5200 handle/cut blade = 75°
- Quantity: 1 pc

## NOGA DOUBLE-BURR DB1000

Item no.  
61135140



- Handle: DB
- Blade type: 2 x N80
- Range: 0 - 12 mm
- Packing: 1 set



Item no.	NOGA no.	Blade
61135300	BN8010	N80
61135305	BN8043	N80M42

## NOGA FOR INT. AND EXT. HOLES

Item no.  
61132300



Item no.  
61132310



Item no.  
61132320



### NOGA MINI REVERSIBLE RC1000 (ART. 61132310)

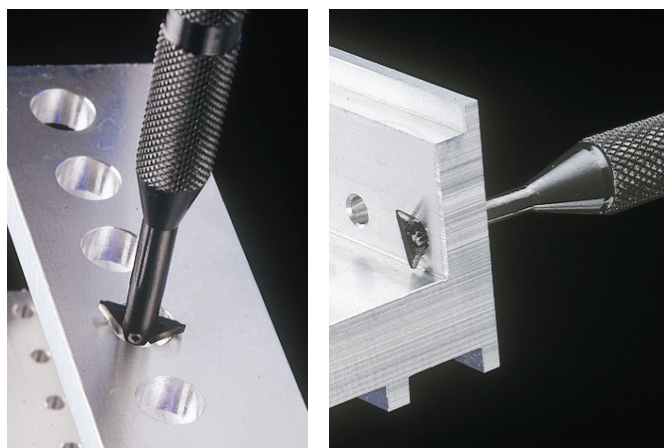
- Deburring int.- + ext.: Ø3,0 - 5,5 mm
- Blade type: R1

### NOGA MEDIUM REVERSIBLE RC2000 (ART. 61132310)

- Deburring int.- + ext.: Ø5,0 - 10,0 mm
- Blade type: R2

### NOGA LARGE REVERSIBLE RC2200 (ART. 61132320)

- Deburring int.- + ext.: Ø10,0 - 22,0 mm
- Blade type: R3



Item no.	NOGA no.	Blade
61132400	BR1001	R1
61132405	BR2001	R2
61132410	BR3001	R3



## INNER/OUTER REAMER FOR PLASTIC & SOFT METALS

Deburrer both inside and outside edges of tube in aluminum, brass and copper. 3 cutters.

Item no.	NOGA no.	Range
61135145	SP81005	4 - 42 mm



## SPIDER BURR

Self adjusting chamfering tool. Used with battery cordless drills. PC1100 fits all models.

Item no.	NOGA no.	Range
61300400	PC2000	75 - 110 mm
61300500	PC3000	110 - 160 mm
61300600	PC1100	Replacement blade



### NOGA MINI SCRAPER NG3700

Item no.  
61200125



- GRIP handle type: 1 x NG-3
- Blade type: 1 x D50, 1 x Mini scraper
- Holder: 1 x D
- Package quantity: 1 set

### NOGA SCRAPER SC1000

Item no.  
61200130



### NOGA SCRAPER BLADE BT1200

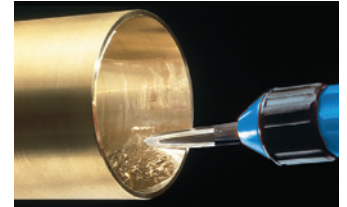
Item no.  
61204130



- Handle type: 1 x UNI-handle
- Blade/scrapper type: 1 x T120



Item no.	NOGA no.	Blade
61204100	BD5010	D50
61204105	BD5501	D55 Carbide



### NOGA COUNTERSINK NG3100

Item no.  
61130200



- Holder for type: C12, C20 + C30
- Handle: NG-3
- Countersink: C20
- Package quantity: 1 set, consist of handle and C20 count

### NOGA C BLADES

Extra countersinks can be purchased separately.

Item no.	NOGA no.	Blade
61125405	BC1211	C12
61125410	BC2011	C20
61125415	BC3011	C30



### NOGA TROUBLE SHOOTER SET SP1010

Item no.  
61143110



- Handle type: RB
- Blade typer: 1 x S20, 1 x S100, 1 x S150
- Countersink: 1 x RD16,5, 1 x RDE18, 1 x D50
- Package quantity: 1 set

### NOGA GOLD SET NG9400

Item no.  
61143145



- Handle/holders: 1 x Edge Off, S, N, C, D, K
- Blade typer: 1 x N1, N2, S10, S20, S30, S150, D66
- Handle type: 1 x NG-3
- Roto Drive countersinks: 1 x 10,4 mm
- Packing quantity: 1 set



# Machine vices

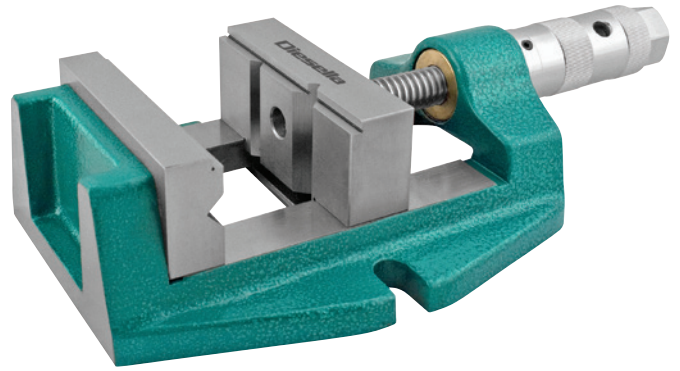
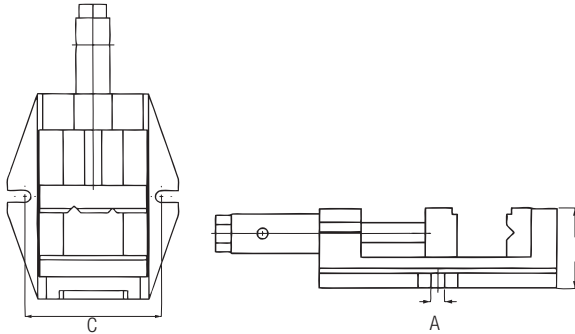


## MACHINE VICE

Prismatic machine vice in cast iron - 2 sizes.

Handy design for drill stands, bench stands and small milling machines. ART. 40045125 supplied with hexagon shaft which secures clamping of work pieces.

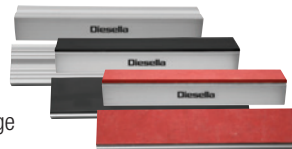
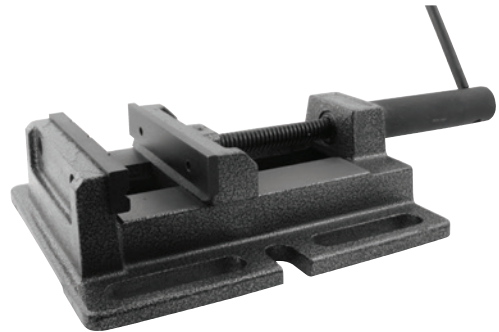
Both jaws are reversible and have a seat for retaining flat workpieces.



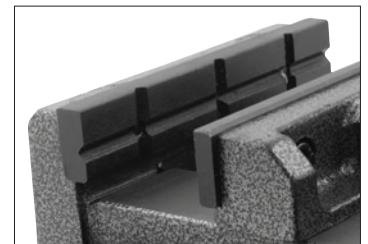
Item no.	Jaw width	Jaw height	Max. opening	Total length	A	B	C	Weight
40045090	90 mm	36 mm	70 / 75 mm	245 mm	12 mm	58 mm	108 mm	4,1 kg
40045125	125 mm	50 mm	115 / 120 mm	350 mm	14 mm	79,5 mm	160 mm	10,0 kg

### Spareparts

40046093	Jaw set 90 x 36 for ART. 40045090							
40046133	Jaw set 25 x 50 for ART. 40045125							
40047096	Brass bush for ART. 40045090							
40047136	Brass bush for ART. 40045125							



Aluminum protective jaws - next page



## BENCH VICE HEAVY-DUTY

Extra powerful bench vice done in cast iron with hardened jaws and encapsulated spindle.

Item no.	Jaw width	Jaw højde	Max. opening	Weight
40030100	100 mm	16 mm	100 mm	6,4 kg
40030225	125 mm	20 mm	110 mm	11,1 kg
40030350	150 mm	21 mm	140 mm	17,1 kg
40030110	Swivelbase for ART. 40030100			
40030235	Swivelbase for ART. 40030225			
40030360	Swivelbase for ART. 40030350			
40030115	Jaw set for art. 40030100 (100 mm)			
40030240	Jaw set for art. 40030225 (125 mm)			
40030365	Jaw set for art. 40030350 (150 mm)			

## DRILLING MACHINE VICE

Basic body and cast iron.

The machine vice can be used horizontally and vertically. The jaws have a seat for holding flat work pieces, and 3 vertical v-grooves.

Item no.	Jaw width	Jaw height	Max. opening	Weight
40025710	100 mm	30 mm	75 mm	4,8 kg
40025712	120 mm	30 mm	110 mm	6,3 kg
40025715	150 mm	30 mm	125 mm	8,6 kg



## ALUMINUM PROTECTIVE JAWS (MAGNETIC)

### GROOVED

For clamping of workpieces without risk for demolition.

### SYNTHETIC RUBBER

For clamping of smooth workpieces. Can be used in combination with other jaws if workpieces are conical.

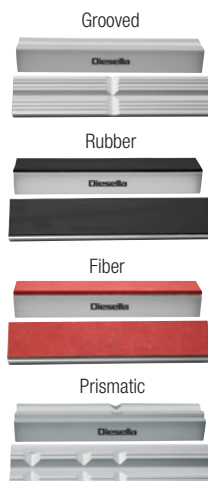
### FIBER

Insulate against heat and electric current.

### PRISMATIC

For clamping of cylindrical workpieces.

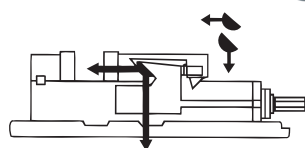
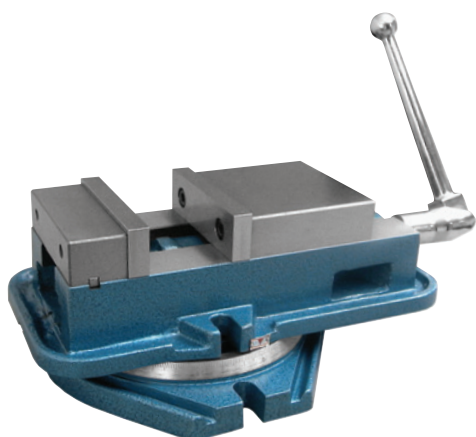
Set (ART 40064xxx) contain 1 pair of each type in the chosen jaw width.



Set of 1 pair of each type



Jaw width	Grooved (1 pair)	Fiber (1 pair)	Rubber (1 pair)	Prismatic (1 pair)	Set
100 mm	40110100	40112100	40114100	40116100	40064905
120 mm	40110120	40112120	40114120	40116120	-
125 mm	40110125	40112125	40114125	40116125	40064910
135 mm	40110135	40112135	40114135	40116135	-
140 mm	40110140	401121400	40114140	40116140	40064912
150 mm	40110150	40112150	40114150	40116150	40064915
160 mm	40110160	-	-	-	-



Every kg. that is clamped horizontally result in a downforce effect of 0,5 kg. vertically.

### MACHINE VICE

Increase the total span width by mounting the jaws on the outside.

Included with the vice: key, T-nut (16 mm) and T-bolt (16 mm).

Accuracy: 0,025 mm.

Swivelbase is for illustration only. To be bought seperately.

Item no.	Jaw width	Jaw height	Max. opening
40202125	125 mm	40 mm	120 / 310 mm
40202150	160 mm	45 mm	160 / 350 mm

Base height	Total length	Weight
63 mm	365 mm	21 kg
72 mm	425 mm	33 kg

Item no.	
40217125	Base for ART. 40202125 (incl. T-nut and T-bolt 16 mm) Diameter 250 mm / height 38 mm
40217150	Base for ART. 40202150 (incl. T-nut and T-bolt 16 mm) Diameter 315 mm / height 41 mm



### TILT-ADJUSTABLE MACHINE VICE WITH SWIVELBASE

The vice can be tilted 90°, the swivelbase 360°. Clearly marked scales for quick and precise positioning.

Item no.	Jaw width	Jaw height	Max. opening
40225125	125 mm	46 mm	100 mm
40225150	160 mm	50 mm	125 mm

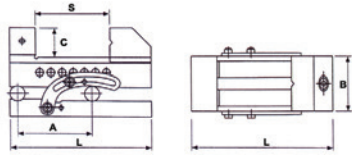
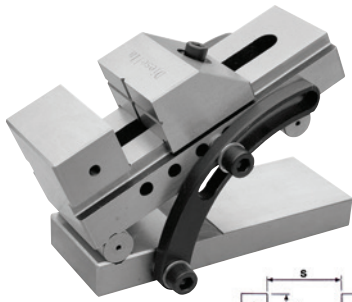
Base height	Total length	Weight
118 mm	380 mm	26,4 kg
136 mm	425 mm	35,2 kg



### TILT-ADJUSTABLE HIGH PRECISION MACHINE VICE WITH SWIVELBASE

Tilt and swivel function, the vice-body can be moved/adjusted in the length direction, surface hardness 55-60 HRC.

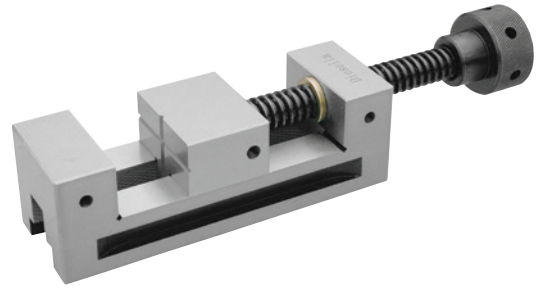
Item no.	Jaw width	Jaw height	Max opening	Weight
40225070	70 mm	30 mm	80 mm	12,6 kg



### SMALL PRECISION SINUS VICE

High Alloy Quality Steel (20Cr.Mn.Ti.), surface hardness 58-62 HRC, parallelitie +/- 0,005 mm.

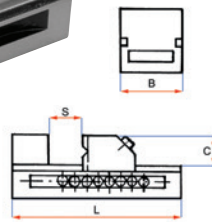
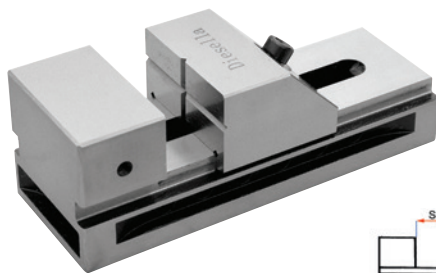
Item no.	Length L	Jaw width B	Jaw height C	S-max	A	Weight
40310140	140 mm	50 mm	25 mm	65	100 mm	3,3 kg



### SMALL PRECISION VICE

High Alloy Quality Steel (20Cr.Mn.Ti.), surface hardness 58-62 HRC, parallelitie +/- 0,005 mm.

Item no.	Length	Jaw width	Jaw height	Max. opening	Weight
40311155	155 mm	50 mm	25 mm	65 mm	2,8 kg
40311220	220 mm	80 mm	40 mm	100 mm	7 kg



### SMALL PRECISION VICE

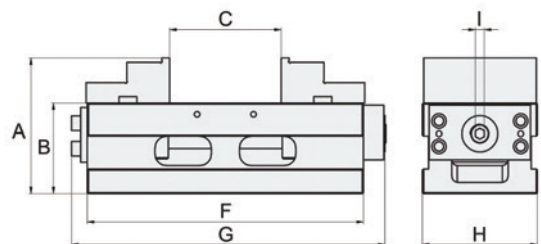
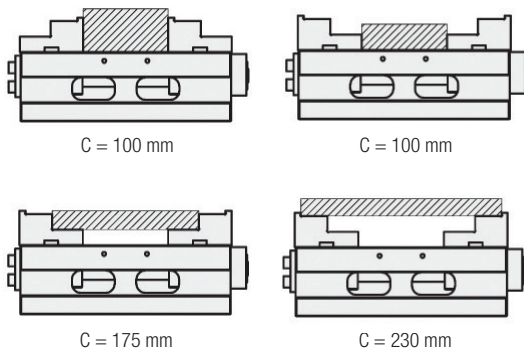
High Alloy Quality Steel (20Cr.Mn.Ti.), surface hardness 58-62 HRC, parallelitie +/- 0,005 mm, high accuracy in any position.

Item no.	Length L	Jaw width B	Jaw height C	S-max	Weight
40312140	140 mm	50 mm	25 mm	65	1,6 kg
40312175	175 mm	63 mm	32 mm	85	3,7 kg
40312190	190 mm	73 mm	35 mm	100	4,5 kg
40312200	200 mm	80 mm	40 mm	100	6,5 kg

### SELF-CENTERING VICE (CNC)

Specially designed for 5-axis and CNC machining centers. Both sides of the vice jaws are available for multiple clamping. Modular vice with fixed height which can be used both vertically and horizontally.

- Standard accessories:**  
 2 pcs. of alignment wedge  
 4 pcs. of clamp  
 1 pc. wrench



Item no.	Jaw width mm	A mm	B mm	E mm	F mm	G mm	H mm	I mm	Weight Kg
40401230	100	120	80	18	245	278	102	8	15

## MULTI-POWER FIXED ANGLE VICE (CNC)

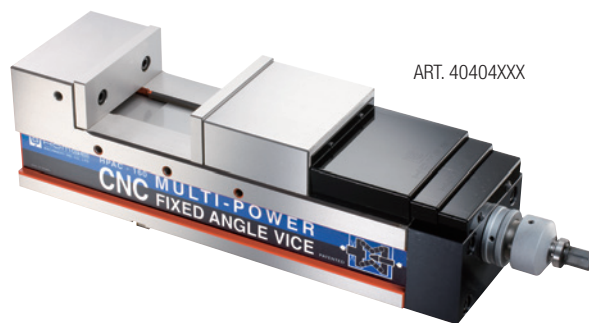
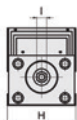
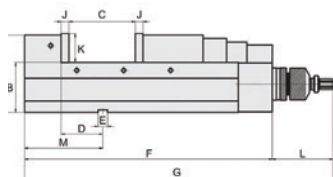
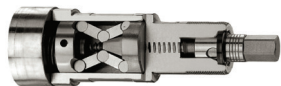
Extremely high accuracy and repeatability. Special MULTI-POWER design enhances adjustable clamping force of 0-8000 kg.

### Standard accessories:

2 pcs. of alignment wedge

4 pcs. of clamp

1 pc. wrench

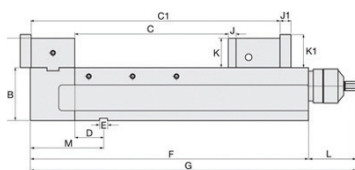


ART. 40404XXX



ART. 40405XXX

Item no.	Jaw width mm	A mm	B mm	C mm	C1 mm	C2 mm	C3 mm	D mm	E mm	F mm
40404130	130	147	95 +/- 0,01	0 - 190	70 - 260	115 - 305	185 - 375	80 +/- 0,0	18	475
40404160	160	160	105 +/- 0,01	0 - 250	85 - 325	140 - 375	220 - 460	80 +/- 0,0	18	560
40404165	160	160	105 +/- 0,01	0 - 300	85 - 375	110 - 395	190 - 480	80 +/- 0,0	18	580
40404200	200	170	110 +/- 0,01	0 - 290	90 - 38	155 - 440	240 - 530	100 +/- 0,0	18	635



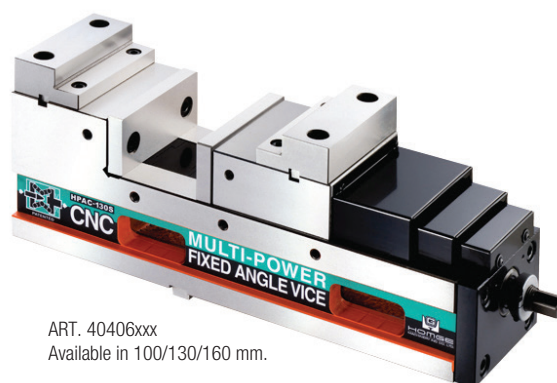
Item no.	Jaw width mm	A mm	B mm	C mm	C1 mm	D mm	E mm	F mm	G mm	H mm
40405160	160	168	115 +/- 0,01	0 - 300	195 - 490	57 +/- 0,02	18	560	677	160
40405200	200	187	120 +/- 0,01	0 - 350	220 - 570	66 +/- 0,02	18	637	754	200
40405250	250	187	120 +/- 0,01	0 - 350	220 - 580	66 +/- 0,02	18	646	763	250

## WIDE SELECTION OF MACHINE VICES CAN BE OFFERED

We offer a variety of other models and types of machine vices than shown in this catalog. Therefore, please check our website continuously or contact us for more information regarding specific needs and/or works. Go to [www.diesella.com](http://www.diesella.com) to find out more.



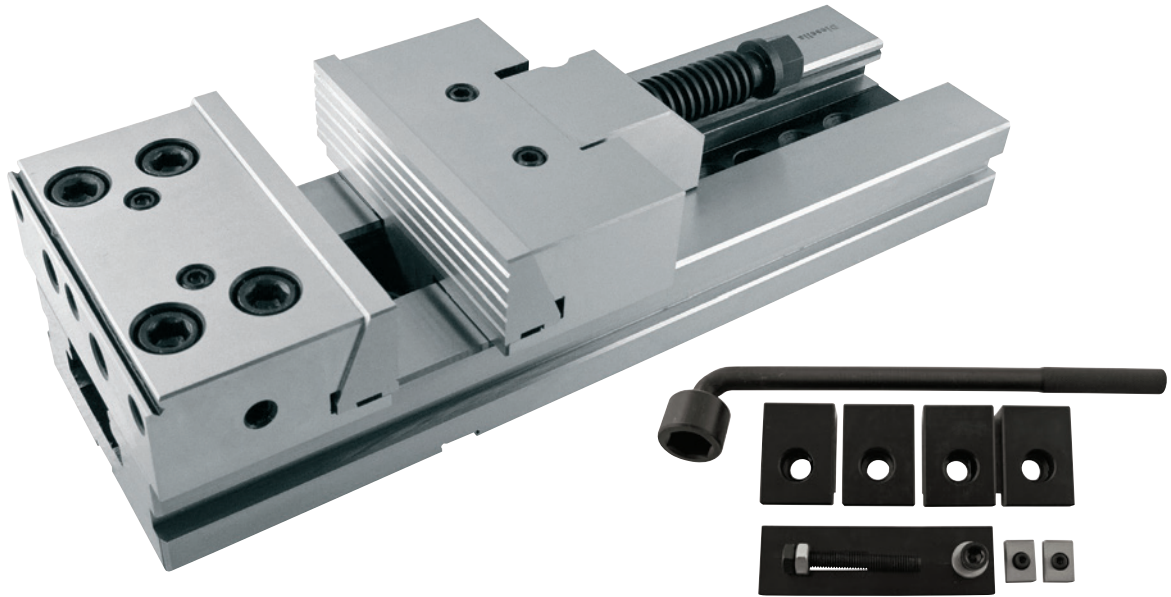
ART. 40402150



ART. 40406xxx  
Available in 100/130/160 mm.



## DIESELLA'S POPULAR GT-SERIES



### PRECISIONS VICE

Precision vice for CNC and other machines.

- Fast and simple fixation of headstock for fast correction of opening.
- High accuracy.
- The stationary jaw can be turned for usage with the movable V-jaw (40 374 xxx) or the floating double center jaw (40 373 xxx) if the seat is to be used for flat work pieces.
- Extra thread holes for specific customer solutions.
- Ekstra gevindhuller til kundespecifikke løsninger
- Produced of high alloy quality steel (20Cr.Mn.Ti). Surface hardness: 58-68 HRC. Hardness penetration depth: 0,8-1,2 mm.
- Incl. clamps, t-slots, workpiece stop, wrench- and hexagon key.

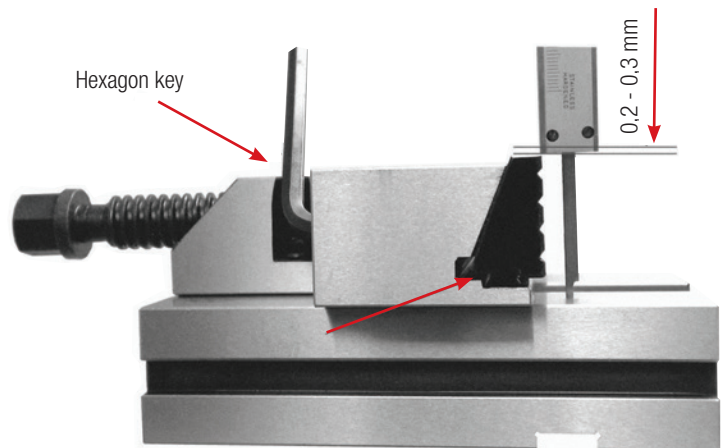
### FUNKTION AF BAKKEN

By delivery of the Vices, the jaws are locked against the reference-seat.

To activate the down-forcement of the Jaws, loose the jaws as shown on the sketch.

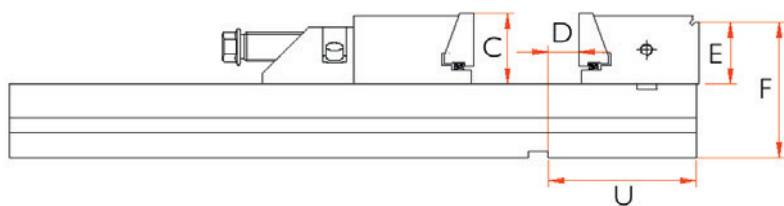
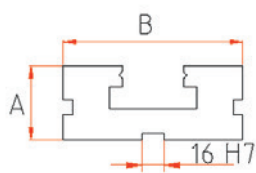
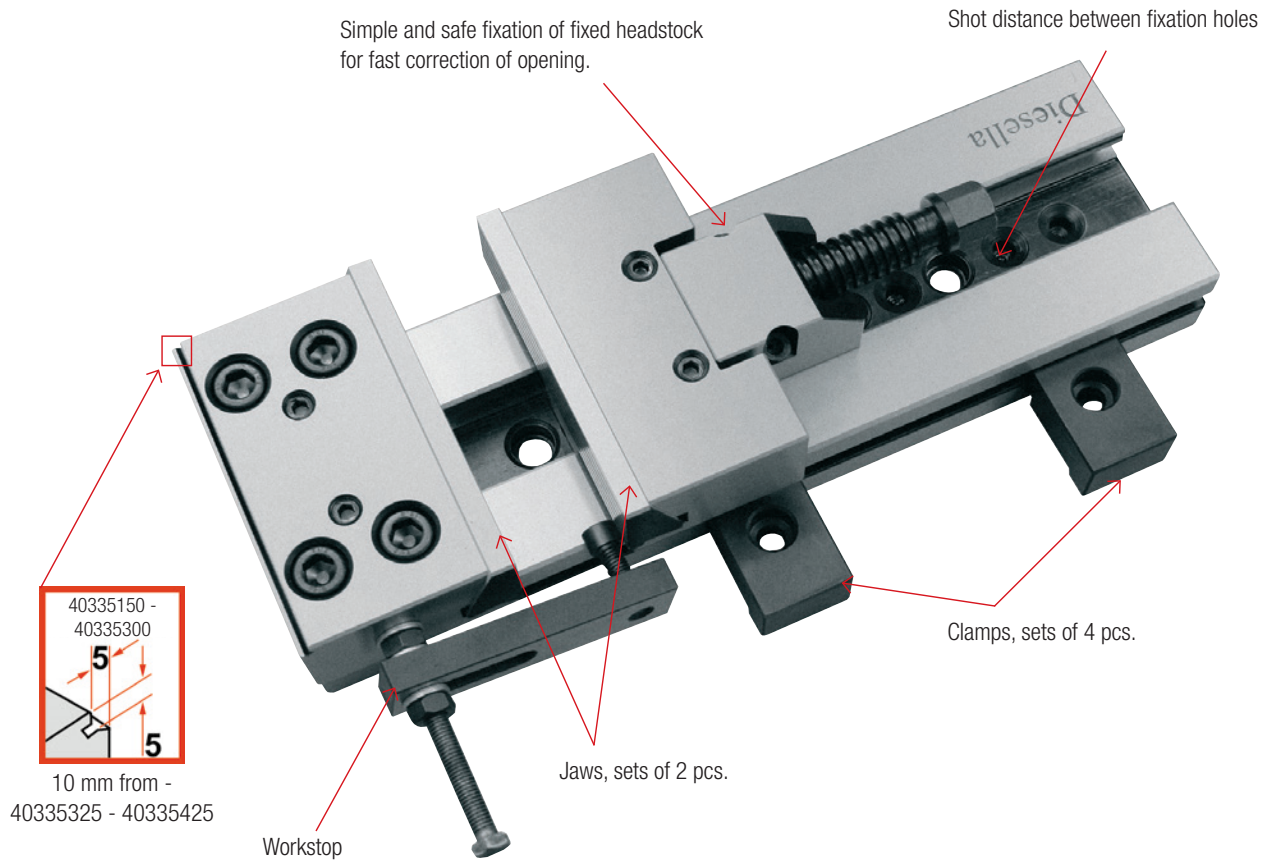
To obtain the optimal function of the system, the vertical movement of the jaws must be 0,2 to 0,3 mm.

**Before locking the jaws against the reference, make sure to rinse jaws and reference-seat for dirt and chips.**



Item no.	Series	Jaw width	Jaw height	Maximum opening	Total length	Clamping force	Weight
40335125	1	100 mm	30 mm	100 mm	270 mm	3 ton	7 kg
40335150	2	125 mm	40 mm	150 mm	345 mm	3 ton	13 kg
40335175	3	150 mm	50 mm	200 mm	420 mm	5 ton	26 kg
40335200	3	150 mm	50 mm	300 mm	526 mm	5 ton	30 kg
40335225	4	175 mm	60 mm	200 mm	455 mm	6 ton	34 kg
40335250	4	175 mm	60 mm	300 mm	555 mm	6 ton	43 kg
40335275	4	175 mm	60 mm	400 mm	655 mm	6 ton	51 kg
40335300	4	175 mm	60 mm	500 mm	755 mm	6 ton	54 kg
40335325	5	200 mm	65 mm	200 mm	495 mm	10 ton	57 kg
40335350	5	200 mm	65 mm	300 mm	595 mm	10 ton	64 kg
40335375	5	200 mm	65 mm	400 mm	695 mm	10 ton	71 kg
40335400	5	200 mm	65 mm	500 mm	795 mm	10 ton	79 kg
40335425	5	200 mm	65 mm	600 mm	895 mm	10 ton	84 kg

## TECHNICAL DATA - GT-SERIES



Item no.	Series	A - 0,02	B - 0,02	C	D ± 0,02	E ± 0,02	F	U
40335125	1	35 mm	75 mm	30 mm	25,6 mm	23 mm	65 mm	111 mm
40335150	2	40 mm	95 mm	40 mm	25,6 mm	33 mm	80 mm	111 mm
40335175	3	50 mm	125 mm	50 mm	25,6 mm	43 mm	100 mm	122,5 mm
40335200	3	50 mm	125 mm	50 mm	25,6 mm	43 mm	100 mm	122,5 mm
40335225	4	58 mm	145 mm	60 mm	25,6 mm	53 mm	118 mm	129 mm
40335250	4	58 mm	145 mm	60 mm	25,6 mm	53 mm	118 mm	129 mm
40335275	4	58 mm	145 mm	60 mm	25,6 mm	53 mm	118 mm	129 mm
40335300	4	58 mm	145 mm	60 mm	25,6 mm	53 mm	118 mm	129 mm
40335325	5	70 mm	170 mm	65 mm	25,6 mm	58 mm	135 mm	145 mm
40335350	5	70 mm	170 mm	65 mm	25,6 mm	58 mm	135 mm	145 mm
40335375	5	70 mm	170 mm	65 mm	25,6 mm	58 mm	135 mm	145 mm
40335400	5	70 mm	170 mm	65 mm	25,6 mm	58 mm	135 mm	145 mm
40335425	5	70 mm	170 mm	65 mm	25,6 mm	58 mm	135 mm	145 mm

## ACCESSORIES FOR PRECISION VICE



P. 99

Clamps



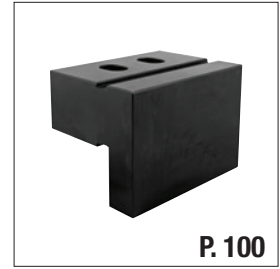
P. 99

T-slots



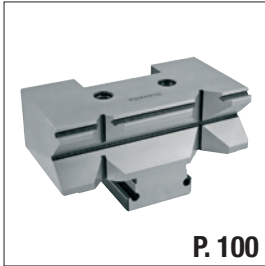
P. 99

Swivelbase



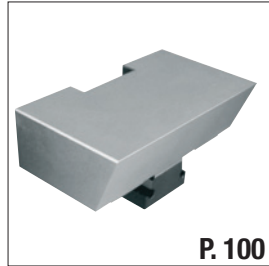
P. 100

Square jaw stack-type



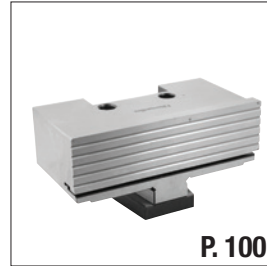
P. 100

Prismatic movable guided jaw



P. 100

Moveable guided jaw



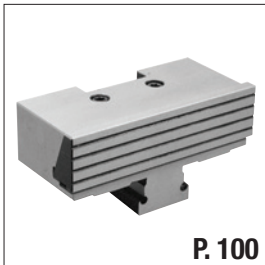
P. 100

Floating guided jaw



P. 100

Floating double center jaw



P. 100

Movable jaw body



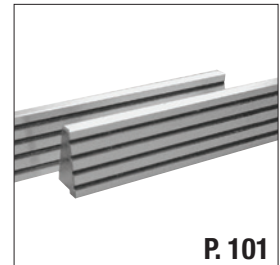
P. 98

Fixed jaw with jaw plate



P. 99

Work piece stop



P. 101

Jaw plates



P. 101

Soft jaws



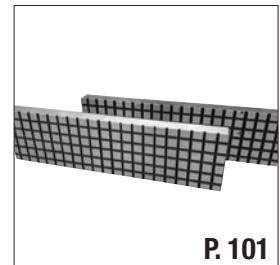
P. 101

Plain jaw plates



P. 101

Plain jaw plates w/M8 thread holes



P. 101

Krydsrifledede kæber



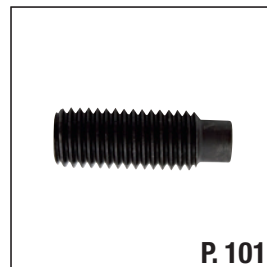
P. 101

Headstock



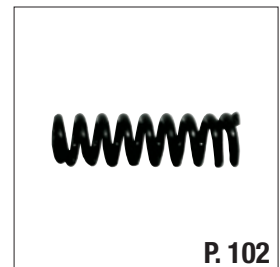
P. 101

Spindle



P. 101

Locking screw



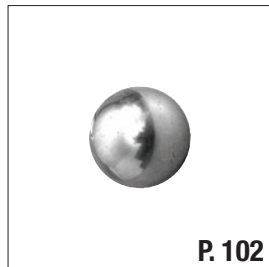
P. 102

Spring



P. 102

Wrench

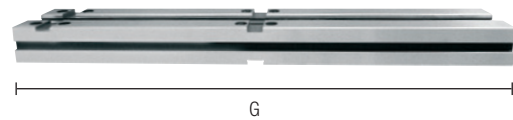


P. 102

Blocking device ball



## DOUBLE BASIC BODY XL



Item no.	Series	Length (G) mm	Jaw width mm	Jaw height mm	Base width (-0,02) mm	Base height (-0,02) mm	Max. opening (F) mm	Weight kg
40352460	1	460	100	30	75	35	90	11,3
40352520	2	520	125	40	95	40	100	20,5
40352580	3	580	150	50	125	50	110	38,5
40352766	4	766	175	60	145	58	170	66

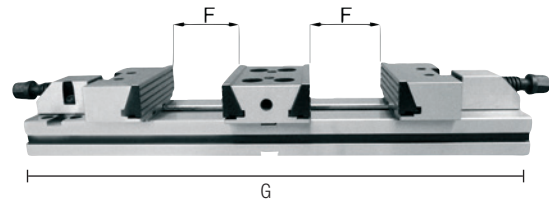
## PRECISION VICE XL

Consisting of:

1 pcs. XL base

1 pcs. fixed double-jaw section

2 pcs. movable jaw section



Item no.	Series	Jaw width mm	Max. opening (F) mm	Jaw height mm	Base width (-0,02) mm	Base height (-0,02) mm	Length (G) mm	Weight kg
40351460	1	100	90	30	75	35	460	11,3
40351520	2	125	100	40	95	40	520	20,5
40351580	3	150	110	50	125	50	580	38,5
40351766	4	175	170	60	145	58	766	66
40351805	5	200	150	65	170	70	805	98

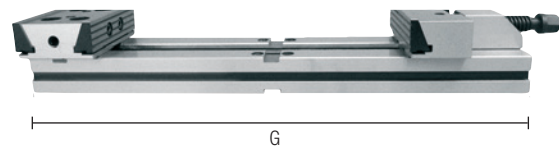
## PRECISION VICE XL

Consisting of:

1 pcs. XL base

1 pcs. fixed double-jaw section

1 pcs. moveable jaw section

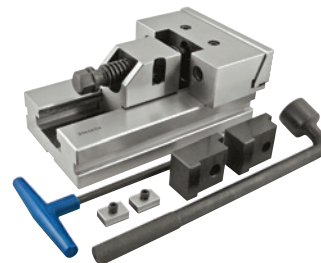
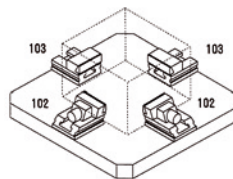
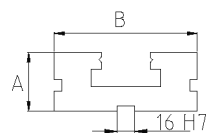


Item no.	Series	Jaw width mm	Max. opening (E) mm	Jaw height mm	Base width (-0,02) mm	Base height (-0,02) mm	Length (G) mm	Weight kg
40350460	1	100	290	30	75	35	460	10
40350520	2	125	320	40	95	40	520	17
40350580	3	150	360	50	125	50	580	33
40350666	4	175	400	60	145	58	666	53

## EXTENTION BASE WITH MOVABLE JAW

Incl. accessories:

Clamps, t-slots 16x18 mm, wrench- and hexagon key.

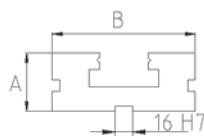


Item no.	Series	Length base	Jaw width mm	Jaw height mm	Base width (B) mm	Base height (-0,02) (A) mm	Weight kg
40355140	1	140	100	30	75	35	4
40355160	2	160	125	40	95	40	7
40355230	3	230	150	50	125	50	15
40355240	4	240	175	60	145	58	22
40355300	5	300	200	65	170	70	35

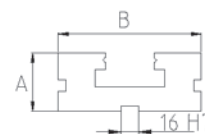
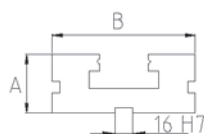
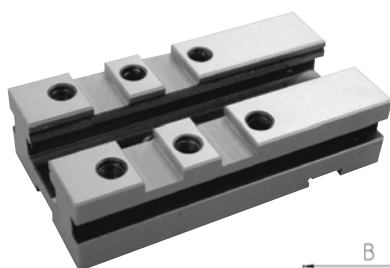
## EXTENTION BASE WITH FIXED JAW

Incl. accessories:

Clamps, t-slots 16 x 18 mm, workpiece stop.

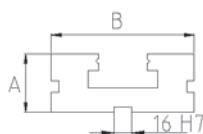


Item no.	Series	Længde base mm	Jaw width mm	Jaw height mm	Base width (B) mm	Base height (-0,02) (A) mm	Weight kg
40356140	1	140	100	30	75	35	4
40356160	2	160	125	40	95	40	6
40356230	3	230	150	50	125	50	13
40356240	4	240	175	60	145	58	18
40356300	5	300	200	65	170	70	30



## VICE BASE FOR FIXED JAWS

Item no.	Series	Length base mm	(B) Base width mm	Base height (-0,02) (A) mm	Weight kg
40353140	1	140	75	35	3
40353160	2	160	95	40	5
40353230	3	230	125	50	12
40353240	4	240	145	58	16
40353300	5	300	170	70	27



## VICE BASE FOR MOVABLE JAW

Item no.	Series	Length base mm	(B) Base width mm	Base height (-0,02) (A) mm	Weight kg
40354140	1	140	75	35	3
40354160	2	160	95	40	5
40354230	3	230	125	50	12
40354240	4	240	145	58	16
40354300	5	300	170	70	27



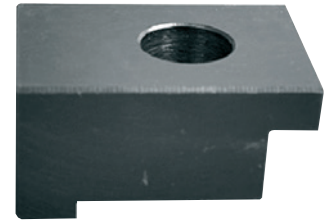
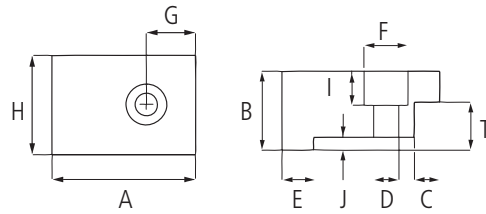
## FIXED DOUBLE JAW SECTION

Item no.	Series	Measure w x h x t	Content
40358100	1	100 x 30 x 84,78 mm	1 pc
40358125	2	125 x 40 x 84,78 mm	1 pc
40358150	3	150 x 50 x 101,78 mm	1 pc
40358175	4	175 x 60 x 110,78 mm	1 pc

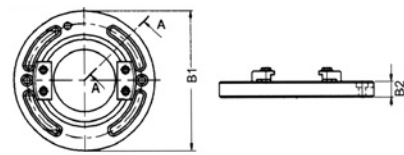
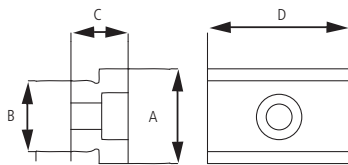
## FIXED JAW WITH JAW PLATE

Item no.	Series	For vice ART.	Content
40357125	2	40335150	1 pc
40357150	3	40335175 > 40335200	1 pc
40357175	4	40335225 > 40335300	1 pc
40357200	5	40335325 > 40335425	1 pc

## CLAMPS



Item no.	Series	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	T mm	For vice ART.	Contents
40380100	1	50	25	8	8	10	14	17	34	11	4	15	40335125	4 pcs
40380125	2	50	25	8	10	10	17	21	34	11	4	15	40335150	4 pcs
40380150	3+4	60	30	8	12	13	19	23	42	12	4	20	40335175 > 40335300	4 pcs
40380155 (XL)	3+4	70	30	8	18	13	27	33	42	18	4	20	40335175 > 40335300	4 pcs
40380200	5	60	40	10	12	15	17	27	50	10	4	26	40335325 > 40335425	4 pcs
40380205 (XL)	5	75	40	10	20	15	31	42	50	20	4	26	40335325 > 40335425	4 pcs



## T-SLOT NUTS

Tolerance: h6 / h7.

Diesella precision vice type GT have a 16 mm slot (B)

Item no.	A	B	C	D	Content	For M
40385510	12 mm	16 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385525	14 mm	16 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385570	16 mm	16 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385600	18 mm	16 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385645	20 mm	16 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385680	22 mm	16 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385725	24 mm	16 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385540	14 mm	18 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385555	14 mm	20 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385585	16 mm	18 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385615	18 mm	18 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385630	18 mm	20 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385660	20 mm	18 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385675	20 mm	20 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385695	22 mm	18 mm	10 mm	25 mm	2 pcs	M5 x 10 mm
40385710	22 mm	20 mm	10 mm	25 mm	2 pcs	M5 x 10 mm

For ART. 40404xxx / 40405xxx, which have 18 mm slot (B).

Item no.	A	B	C	D	Content	For M
40385850	14 mm	18 mm	12 mm	25 mm	2 pcs	M6 x 10 mm
40385860	16 mm	18 mm	12 mm	25 mm	2 pcs	M6 x 10 mm
40385870	18 mm	18 mm	12 mm	25 mm	2 pcs	M6 x 10 mm
40385880	20 mm	18 mm	12 mm	25 mm	2 pcs	M6 x 10 mm
40385890	22 mm	18 mm	12 mm	25 mm	2 pcs	M6 x 10 mm

## SWIVELBASE FOR GT-SERIES

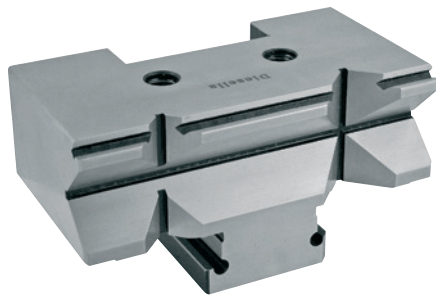
Item no.	Series	B1	B2	For vice ART.
40394100	1	180 mm	18 mm	40335125
40394125	2	225 mm	23 mm	40335150
40394150	3	290 mm	28 mm	40335175 > 40335200
40394175	4	320 mm	28 mm	40335225 > 40335300
40394200	5	370 mm	34 mm	40335325 > 40335425



## WORK PIECE STOP

Item no.	Series	For vice ART.	Content
40390100	1	40335125	1 pc
40390125	2	40335150	1 pc
40390150	3 + 4	40335175 > 40335300	1 pc
40390200	5	40335325 > 40335425	1 pc

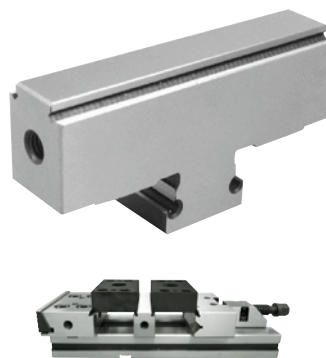




### STEP PRISMATIC MOVEABLE GUIDED JAW

Vertical and horizontal, with seats for retaining flat workpieces.

Item no.	Series	For vice ART.	Meas. mm	Ø max horizontal / vertical mm	Content
40374125	2	40335150	121 x 38	Ø 15-12/15	1 pc
40374150	3	40335175 > 40335200	146 x 48	Ø 25-15/25	1 pc
40374175	4	40335225 > 40335300	171 x 58	Ø 38-25/38	1 pc
40374200	5	40335325 > 40335425	195 x 62	Ø 40-38/40	1 pc

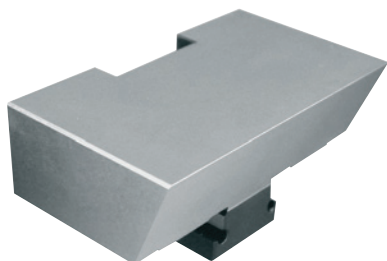


### FLOATING DOUBLE CENTER JAW

With seats for retaining flat workpieces.

\* Art. 40373155 is WITHOUT step.

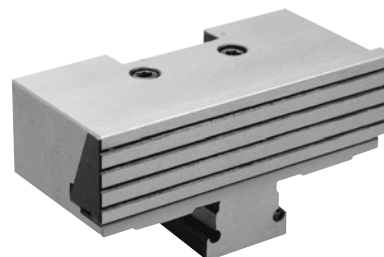
Item no.	Series	For vice ART.	Jaw width	Jaw height	Content
40373125	2	40335150	121 mm	40 mm	1 pc
40373150	3	40335175 > 40335200	146 mm	50 mm	1 pc
40373155*	3	40335225 > 40335300	146 mm	60 mm	1 pc
40373175	4	40335225 > 40335300	171 mm	60 mm	1 pc
40373200	5	40335325 > 40335425	196 mm	65 mm	1 pc



### MOVEABLE GUIDED JAW

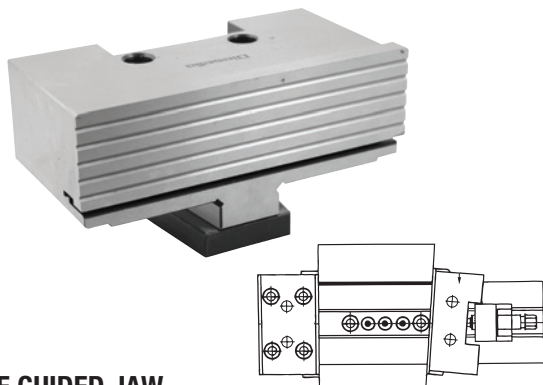
For round materials.

Item no.	Series	For vice ART.	Meas. mm	Ø max horizontal / vertical mm	Contents
40372125	2	40335150	121 x 38	50	1 pc
40372150	3	40335175 > 40335200	146 x 48	65	1 pc
40372175	4	40335225 > 40335300	171 x 58	80 mm	1 pc



### MOVEABLE JAW BODY WITH JAW PLATE

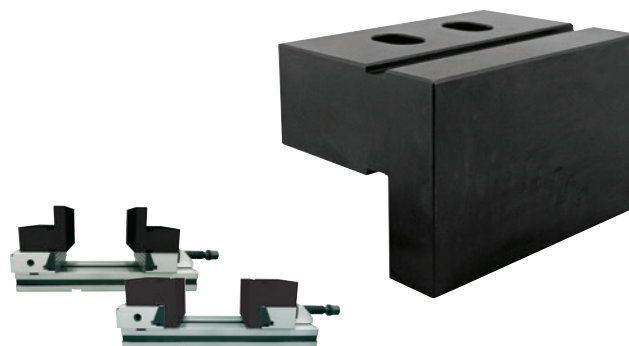
Item no.	Series	For vice ART.	Content
40386100	1	40335125	1 pc
40386125	2	40335150	1 pc
40386150	3	40335175 > 40335200	1 pc
40386175	4	40335225 > 40335300	1 pc
40386200	5	40335325 > 40335425	1 pc



### MOVEABLE GUIDED JAW

For workpieces with angle errors.

Item no.	Series	For vice ART.	Jaw width	Jaw height	Content
40370150	3	40335175 > 40335200	150 mm	50 mm	1 pcs
40370175	4	40335225 > 40335300	175 mm	60 mm	1 pcs
40370200	5	40335325 > 40335425	200 mm	65 mm	1 pcs



### SQUARE JAW STACK-TYPE

Soft-type. Material: 20Cr.Mn.Ti.

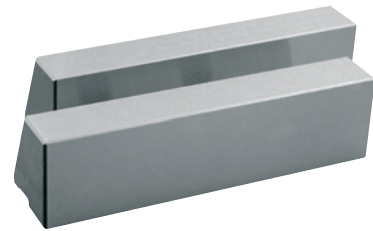
Item no.	Series	For vice ART.	Measurements	Contents
40371125	2	40335150	121 x 78 x 20 mm	2 pcs
40371150	3	40335175 > 40335200	146 x 98 x 30 mm	2 pcs
40371175	4	40335225 > 40335300	171 x 118 x 30 mm	2 pcs
40371200	5	40335325 > 40335425	196 x 128 x 30 mm	2 pcs



## PLAIN JAW PLATES

Set of 2 pcs.

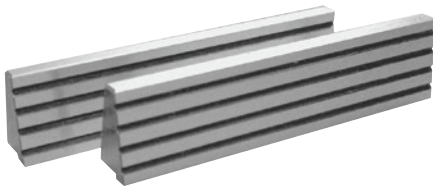
Item no.	Series	For vice ART.
40377125	2	40335150
40377150	3	40335175 > 40335200
40377175	4	40335225 > 40335300
40377200	5	40335325 > 40335425



## SOFT JAW

Set of 2 pcs.

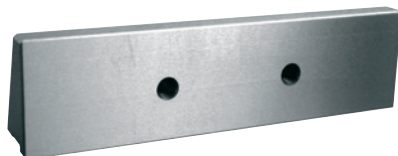
Item no.	Series	For vice ART.	Measuring
40376100	1	40335125	100 x 22 mm
40376125	2	40335150	125 x 22 mm
40376150	3	40335175 > 40335200	150 x 22 mm
40376175	4	40335225 > 40335300	175 x 22 mm
40376200	5	40335325 > 40335425	200 x 22 mm



## JAW PLATE

Set of 2 pcs.

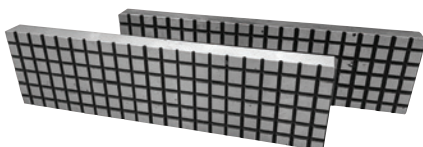
Item no.	Series	For vice ART.
40379115	1	40335125
40379125	2	40335150
40379150	3	40335175 > 40335200
40379175	4	40335225 > 40335300
40379200	5	40335325 > 40335425



## PLAIN JAW PLATES

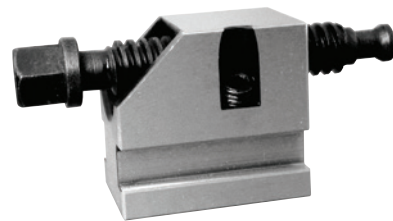
Two thread holes for special solutions. Set of 2 pcs.

Item no.	Series	Thread	For vice ART.
40379800	1	M6	40335125
40379825	2	M8	40335150
40379850	3	M8	40335175 > 40335200
40379875	4	M8	40335225 > 40335300



## CROSS GROOVED JAWS

Item no.	Series	For vice ART.
40379550	3	40335175 > 40335200



## HEADSTOCK (COMPLETE)

\* Installed with 2 fixation screws.

Item no.	Series	For vice ART.	Content
40378100	1	40335125	1 pc
40378125	2	40335150	1 pc
40378150	3	40335175 > 40335200	1 pc
40378155*	3	40335175 > 40335200	2 pcs
40378175	4	40335225 > 40335300	1 pc
40378180*	4	40335225 > 40335300	2 pcs
40378200	5	40335325 > 40335425	1 pc



## SPINDLE

Made with trapezoidal thread or MM thread.

Item no.	Series	Thread	For vice ART.
40387305	1	M12	40335125
40387315	1	M14	40335125
40387325	1	TR14x4	40335125
40387345	2	TR18x4	40335150
40387375	3+4	TR24x5	40335175 > 40335300
40387405	5	TR36x6	40335325 > 40335425

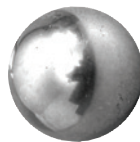


## LOCKING SCREW

Item no.	Series	For vice ART.	Content
40393100	1	40335125	1 pc
40393125	2	40335150	1 pc
40393150	3	40335175 > 40335200	1 pc
40393175	4	40335225 > 40335300	1 pc
40393200	5	40335325 > 40335425	1 pc



ART. 40389xxx



ART. 40388xxx

## SPRING AND BALL

Item no.	Series	For vice ART.	Content
<b>Spring</b>			
40389100	1+2	40335125 > 40335150	2 pcs
40389150	3+4	40335175 > 40335300	2 pcs
40389200	5	40335325 > 40335425	2 pcs
<b>Ball</b>			
40388100	1	40335125	1 pc
40388125	2	40335150	1 pc
40388150	3+4	40335175 > 40335300	1 pc
40388200	5	40335325 > 40335425	1 pc



## WRENCH

Item no.	Series	For vice ART.	NV	Content
40391100	1	40335125	12	1 pc
40391125	2	40335150	19	1 pc
40391150	3+4	40335175 > 40335300	22	1 pc
40391200	5	40335325 > 40335425	30	1 pc
40391215	5	-	36	1 pc

## UNIVERSAL DIVIDING HEAD BS-2

The universal dividing head is designed for all types of gear cutting. Ratio of gear is 40:1.

The dividing heads front can be adjusted from 90° to -10°.

This dividing head is included tailstock, dividing plates and chuck backplate.

Plate A: 15-16-17-18-19-20

Plate B: 21-13-27-29-31-33

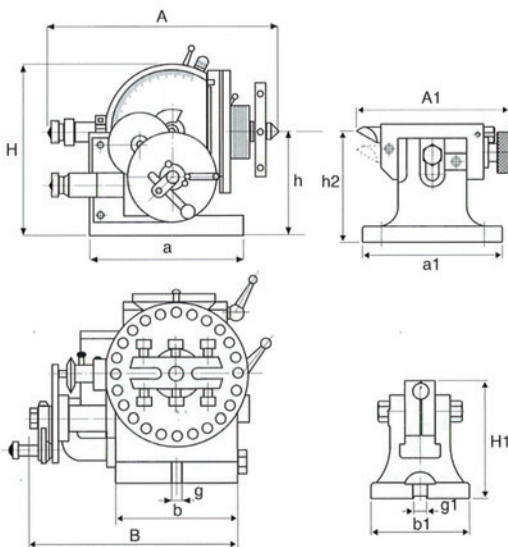
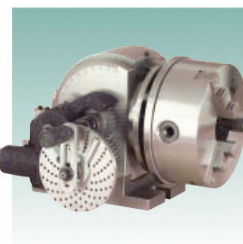
Plate C: 37-39-41-43-47-49

Optional accessory: 3 jaw chuck 150 mm or 175 mm. Also available in smaller dimensions, BS-0 and BS-1.



### ACCESSORIES:

3 jaw chuck for BS-2  
150 mm or 175 mm



## MEASUREMENT ON DIVIDING HEAD BS-2

Item no.	Model	A mm	B mm	H mm	h mm	a mm	b mm	g mm	Taper of center	Weight kg
40418507	BS - 2	365	272	236	132,7	213	134	16	B&S no. 10	73

## MEASUREMENT ON TAIL STOCK FOR DIVIDING HEAD BS-2

Item no.	Model	A1 mm	a1 mm	b1 mm	g1 mm	H1 mm	Tailstock height (h2)	Weight kg
40418507	BS - 2	194	177	125	16	147	Max. 138 / min. 115	Packed with the dividing head

Number of holes in div. plate	Plate A	15	16	17	18	19	20
	Plate B	21	23	27	29	31	33
	Plate C	37	39	41	43	47	49

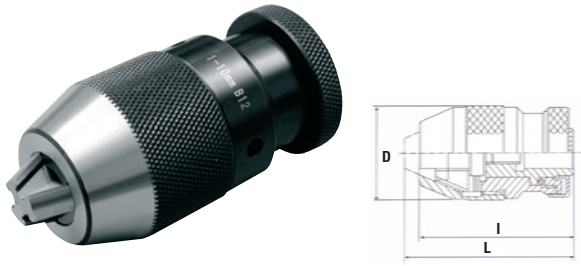


# Machine accessories



2018/19





### PRECISION SELF-TIGHTENING DRILL CHUCKS

High precision and self-tightening jaws are hardend and ground. Tapering hole according to DIN238.

Item no.	Clamping range	Taper	L mm	I mm	D mm
50025180	1 - 10 mm	B12	92	82	44
50025630	1 - 13 mm	B16	96	86	44
50025670	1 - 16 mm	B16	115	101	51
50025690	1 - 16 mm	B18	115	101	51

### PRECISION HEAVY DUTY DRILL CHUCKS WITH LOCK

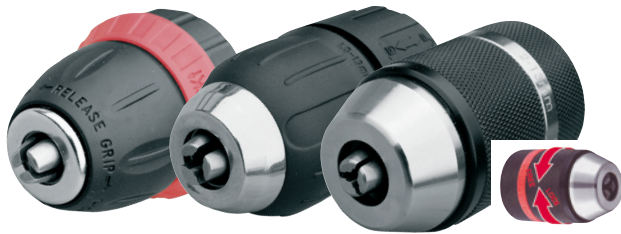
Locking system prevents the chuck from loosening by sudden stops or reversing, for both left and right rotation, tapering hole according to DIN238.

Item no.	Clamping range	Taper	L mm	I mm	D mm
50025420	1 - 13 mm	B16	96	86	44
50025460	1 - 16 mm	B16	115	101	51
50025480	1 - 16 mm	B18	115	101	51
50040230	Key (see below)				

ART. 50034212

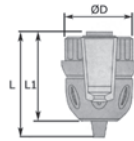
ART. 50036440

ART. 50038610



### SELF-TIGHTENING DRILL CHUCKS

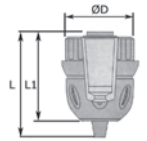
With radially locking system. Through-going hole for locking screw. For both left and right rotation.



Item no.	Clamping range	Taper	L mm	I mm	D mm
50034212	0,8 - 10 mm	3/8 - 24UNF	65	54	43
50034228	0,8 - 10 mm	1/2 - 20UNF	65	54	43
50036440	1,5 - 13 mm	3/8 - 24UNF	80	68	43
50036465	1,5 - 13 mm	1/2 - 20UNF	80	68	43
50038610	0,8 - 10 mm	3/8 - 24UNF	66	56	41
50038635	0,8 - 10 mm	1/2 - 20UNF	66	66	66
50038725	1,5 - 13 mm	3/8 - 24UNF	75	67	43
50038740	1,5 - 13 mm	1/2 - 20UNF	75	67	43

### KEY TYPE DRILL CHUCK

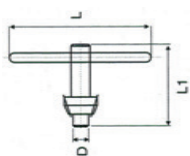
Precision drill chuck, key type. Even suitable for impact drilling machines, tapering hole according to DIN238 or threadhole. \* Hole for locking screw.



Item no.	Size	Clamping range	Taper	L mm	I mm	D mm
50030225	1	1,5 - 10 mm	B12	58,5	49	34
50030234	2	1,5 - 13 mm	B16	71,5	59	42
50030248	3	3,0 - 16 mm	B16	86,0	67	52
50032410*	1	1,5 - 10 mm	3/8 - 24UNF	58,5	49	34
50032425*	1	1,5 - 10 mm	1/2 - 20UNF	58,5	49	34
50032440*	2	1,5 - 13 mm	1/2 - 20UNF	71,5	59	42
50032455*	3	3,0 - 16 mm	1/2 - 20UNF	86,0	67	52
500403xx	Key (see below)					

### KEYS AND ADAPTERS

\* = Röhm S2  
\*\* = Röhm S3



ART. 500403xx



ART. 50040230



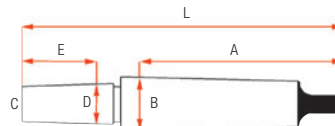
ART. 50040514 - thread 1/2-20

Item no.	D	L1	L
50040230		Key	
50040315	6 mm	31,5 mm	56 mm
50040318*	6 mm	41,0 mm	80 mm
50040321**	8 mm	51,0 mm	90 mm

Item no.	Description
50040513	Screw for adapter ART. 50040512
50040514	Adapter for drill chuck
50040515	Screw for adapter ART. 50040514

## TAPER SHANK ARBOR

DIN238.

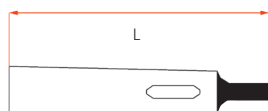


Item no.	MK	Taper	L mm	A mm	B mm	C mm	D mm	E mm
50131110	1	B10	86	62	12,06	9,4	10,09	14,5
50131112	1	B12	89	62	12,06	11,1	12,07	18,5
50131116	1	B16	97	62	12,06	14,5	15,73	24
50131118	1	B18	106	62	12,06	16,2	17,78	32
50131160	1	Jacobs J6	95	62	12,06	15,9	17,17	25,4
50131210	2	B10	103,5	75	17,78	9,4	10,09	14,5
50131212	2	B12	106,5	75	17,78	11,1	12,07	18,5
50131216	2	B16	110,5	75	17,78	14,5	15,73	24
50131218	2	B18	117,5	75	17,78	16,2	17,78	32
50131260	2	Jacobs J6	109,5	75	17,78	15,9	17,17	24,4
50131275	2	M20 x 2,5	109,5	75	17,78	-	-	-
50131312	3	B12	125	94	23,83	11,1	12,07	18,5
50131316	3	B16	134	94	23,82	14,5	15,73	24
50131318	3	B18	141	94	23,82	16,2	17,78	32
50131322	3	B22	147	94	23,83	19,8	21,79	40,5
50131360	3	Jacobs J6	129	94	23,82	15,9	17,17	25,4
50131375	3	M20 x 2,5	129	94	23,82	-	-	-
50131416	4	B16	159	117,5	31,26	14,5	15,73	24
50131418	4	B18	168	117,5	31,26	14,5	15,73	24
50131422	4	B22	176	117,5	31,26	19,8	21,79	40,5
50131460	4	Jacobs J6	156	117,5	31,26	15,9	17,17	25,4
50131475	4	M20 x 2,5	156	117,5	31,26	-	-	-
50131516	5	B16	196	149,5	44,39	14,5	15,73	24
50131518	5	B18	204,5	149,5	44,39	16,2	17,78	32



## REDUCING SLEEVES

DIN2185. Grounded and microlapped.



Item no.	Taper external	Taper internal	L
50125021	2	1	92 mm
50125031	3	1	99 mm
50125032	3	2	112 mm
50125041	4	1	124 mm
50125042	4	2	124 mm
50125043	4	3	140 mm
50125051	5	1	156 mm
50125052	5	2	156 mm
50125053	5	3	156 mm
50125054	5	4	171 mm
50125065	6	5	218 mm



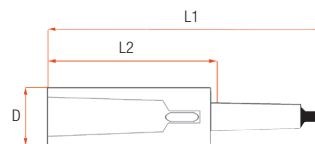
## SET OF REDUCTIONS SLEEVES INCL. TAPER DRIFTERS

Item no.	Include
92027310	1 pc MK2/1 (ART. 50125021) / 1 pc MK3/1 (ART. 50125031) 1 pc MK3/2 (ART. 50125032) / 1 pc taper drift, external taper 1+2 (ART. 50129122) / 1 pc taper drift, external taper 3 (ART. 50129123)



## EXTENSION SLEEVES

DIN2187. Ground and microlapped.



Item no.	Taper internal	Taper external	D mm	L1 mm	L2 mm
50128011	1	1	20	145	83
50128012	1	2	30	160	98
50128021	2	1	20	160	85
50128022	2	2	30	175	100
50128023	2	3	36	196	121
50128031	3	1	20	175	81
50128032	3	2	30	194	100
50128033	3	3	36	215	121
50128034	3	4	48	240	145
50128042	4	2	30	215	97,5
50128043	4	3	36	240	122
50128044	4	4	48	265	147
50128045	4	5	63	300	182
50128054	5	4	48	300	150
50128055	5	5	63	335	164

## TAPER SHANK VS. DRILL DIAMETER

Taper shank	Drill dimension
MT 1	5 - 14 mm
MT 2	14,25 - 23 mm
MT 3	23,25 - 31,5 mm
MT 4	32 - 50 mm
MT 5	51 - 75 mm





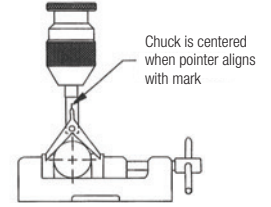
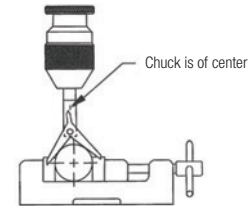
### TAPER DRIFT DIN317

Item no.	For MT	Length
50129122	1 + 2	140 mm
50129123	3	190 mm
50129124	4	225 mm
50129125	5	265 mm



### AUTOMATIC TAPER DRIFT

Item no.	For MT	Length
50129523	1 - 2 - 3	320 mm
50129524	4 - 5 - 6	385 mm



### CENTER FINDER

Item no.	Shank diameter	Overall length
50051215	9,5 mm	105 mm



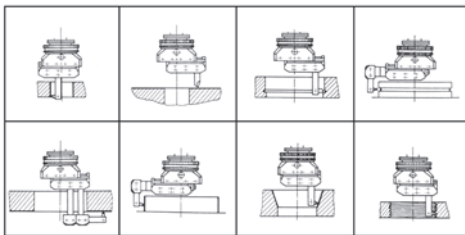
Boring head



### SHANK FOR BORING HEADS

DIN2080, thread UNEF 1 1/2X18".

Item no.	ISO / MK	For boring head ART.
50317030	ISO 30	50318050 - 50318100
50317040	ISO 40	50318050 - 50318100
50317050	ISO 50	50318050 - 50318100
50317125	MK 2	50318050 - 50318100
50317150	MK 3	50318050 - 50318100
50317175	MK 4	50318050 - 50318100



### BORING HEAD WITH AUTOMATIC ADJUSTMENT

Set complete with boring head, boring shank, boring bars adapters and L-shape hex key. Processing with or without automatic adjustment.

Diameter of body: Ø 85 mm

Slide travel, max: 20 mm

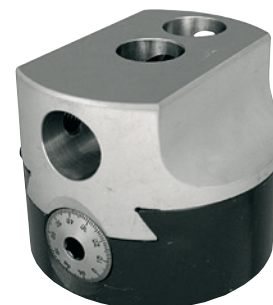
Facing diameter, max: 250 mm

3 Vertical tool positions: Ø 18 mm. Distance between

centers: 23 mm. Adapters: Ø 10 mm and Ø 12 mm, included

5 Carbide tipped boring bar, 2 boring bar for 6 mm square tool bits

Item no.	Working area	Processing shank
50319250	Ø 5-250 mm	ISO 40 / M16 (DIN2080)



### MANUAL BORING HEAD

For use in horizontal or vartical direction.

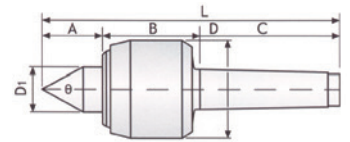
Item no.	Ø hole	Range	Ø head
50318050	12 mm	16 mm	50 mm
50318100	25 mm	41 mm	100 mm

## REVOLVING TAILSTOCK CENTER

Revolving tailstock center with ground and hardened body.

Tip angle: 60°

Accuracy: 0,006 mm

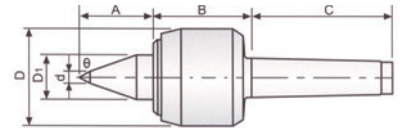


Item no.	MK	A mm	B mm	C mm	D mm	D1 mm	L mm	Φ	Max. weight	Max. RPM
50301510	1	20	41	55	34	18	115	60°	320 kg	2800
50301520	2	27	34	66	45	25	130	60°	400 kg	2800
50301530	3	31	43	83	52	28	160	60°	800 kg	2000
50301540	4	36	47	107	60	32	192	60°	1250 kg	1800
50301550	5	50	59	135	80	45	251	60°	1500 kg	1300

## REVOLVING TAILSTOCK CENTER WITH EXTENDED LIVE CENTER

Hardened and grinded.

Accuracy: 0,006 mm

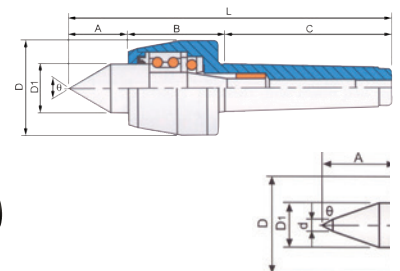


Vare nr.	MK	A mm	B mm	C mm	D mm	D1 mm	d mm	L mm	Φ	Max. weight	Max. RPM
50302620	2	34	38	67	45	20	10	139	60°	140 kg	5000
50302630	3	47	44	85	60	25	12	176	60°	400 kg	3000
50302640	4	53	56	107	70	32	14	217	60°	500 kg	2800
50302650	5	65	71	134	90	40	16	273	60°	1200 kg	1800

## LIVE CENTER

High-Speed and Water-Proof, made of alloy steel and hardened to provide higher rigidity HRC 60 ±1, dualball bearing and needle roller bearing assembly.

Accuracy: ±0,003 mm.



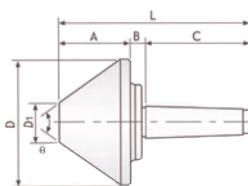
Drawing of type B, long tip

Vare nr.	Type	MK	A mm	B mm	C mm	D mm	D1 mm	d mm	L mm	Max. workpiece	Max. RPM
50310305	A	3	39	55	86	53	30	-	273	1200 kg	1800
50310410	A	4	42	62	108	63	32	-	208	800 kg	4500
50310515	A	5	49	71	136	83	40	-	256	1600 kg	3500
50311305	B	3	45	55	86	53	30	10	186	500 kg	5000
50311410	B	4	52	62	108	63	32	12	218	800 kg	4500
50311515	B	5	59	71	136	83	40	14	266	1600 kg	3500

## BULL NOSE CENTER

Manufactured from high, quality alloy steel, centre point hardened to approx. 60HRC.

Φ: 75°



Item no.	MK	A mm	B mm	C mm	D mm	D1 mm	L mm	Max. workpiece	Max. RPM
50315310	3	59	16	86	106	25	161	500 kg	2600
50315420	4	108	8	109	200	41	235	1000 kg	1200

## LIVE CENTER W/ EXCHANGEABLE POINTS

Supplied in a suitcase..



Item no.	MK	D1 mm	L1 mm	Weight
50302730	3	12	24	1,87 kg
50302740	4	15	30	2,42 kg
50302750	5	20	40	4,12 kg

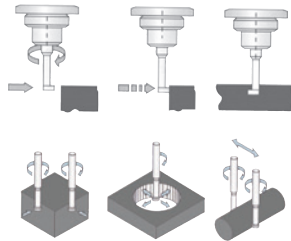
ART. 50322110



ART. 50322165



ART. 50323610

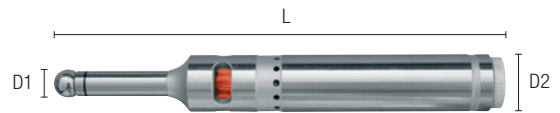


### MECHANICAL EDGEFINDERS

Grounded on all faces, accuracy of zero point to point is within 0.005 mm  
R.P.M within: 400-600 rpm.  
HRC 56° +/- 1°.

Item no.	Shaft dia.	Edgefinder	Material	Length
50322110	10 mm	Ø10 mm	Steel	88 mm
50322165	10 mm	Ø10/4 mm	Steel	88 mm
50323610	10 mm	Ø10/4 mm	Ceramic	88 mm

Item no.	Spring for
50322585	ART. 50322110 / 50322165
50323625	ART. 50323610
50326450	ART. 50326210



### ACUSTIC OPTICAL EDGEFINDER

With light and sound signal, a safety spring puller directs the ball precise back to the ball seat, all faces grinded.

Tolerance: 0,005 mm.  
Light source: diode.

Item no.	Diameter D2	Length L	Ball dia. D1
50326210	20 mm	158 mm	10 mm

#### Spare parts

10238575	Battery 12V - type 23A 1 pc
50326425	Ball Ø 10 mm
50326450	Spring



### 3D EDGEFINDER WITH LED LIGHT, TSCHORN

High precision 3D edgefinder for 3-dimensional probing on CNC-machines - accuracy of probing less 0,005 mm in 3 axis (ART. 50328275).

Item no.	Diameter	Tracer diameter	Accuracy
50328275	Ø20 mm	Ø10 mm	< 0,005 mm
50328290	Ø20 mm	Ø10 mm	0,01 mm

ART. 50328200



ART. 50328215



ART. 50328215



### MECHANICAL EDGEFINDER, TSCHORN

Repeatability 0,005 mm! For quick positioning of the spindles position relative to the workpiece. Mechanical suspended and polished on all surfaces.  
Max. revolutions: 500 rpm.

Item no.	Shaft dia.	Edgefinder	Accuracy	Length
50328200	Ø10 mm	Ø10 mm	0,005 mm	83 mm
50328215	Ø10 mm	Ø10 - Ø4 mm	0,005 mm	89 mm
50328230	Ø6 mm	Ø6 mm	0,005 mm	51 mm
50328245	Repair kit for edgefinder (ART. 50328200 / 50328215)			
50328260	Repair kit for edgefinder (ART. 50328230)			

ART. 50328180



ART. 50324215



ART. 50325305

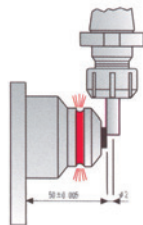


ART. 50328320

### TOOLSETTER WITH DIAL GAUGE

Item no.	Height +/- 0,005 mm	Dia. Ø mm	Graduation mm	Movement mm	Direction
50324215	50	68	0,01	2,8	Horizontal
50325305	65 / 47	50	+/- 0,005	0,5	Horizontal / vertical
50328180	100	54,5	0,01	3	Horizontal
50328320	Adaptor magnet (height 50 mm +/- 0,01) for ART. 50325305				





### OPTICAL TOOLSETTER W/ MAGNET

Red lightsignal, for horizontal and vertical application, spring loaded surface.

Item no.	Height +/- 0,005	Diameter Ø	Weight
50327320	50 mm	50 mm	0,6 kg
50327335	Spare part: Spring for Toolsetter		
10238500	Battery LR44 / A76 / G13 2 pcs		



### TOOLSETTER WITH DIAL INDICATOR

With magnets, tolerance +/- 0,005 mm, for horizontal and vertical applicatio, spring loaded surface table Ø42 mm, range of contactface: 2 mm

Weight: 1,2 kg

Item no.	Height +/- 0,005	Dia. Ø	Graduation	Scale
50328125	50 mm	50 mm	0,01 mm	0-50-0 mm
50328150	Dial indicator Ø35 mm for ART. 50328125			
50328175	Dial indicator Ø30 mm for ART. 50328125			



ART. 50387155

### 5D WORKPIECE STOPPER, TSCHORN

One of the various application of the workpiece stopper is as a versatile instrument for the positioning on processing machines or during assembly.

Including T-nut block M8x12 and wrench.  
Thread: M8.

Item no.	Arm length	Workpiece length	Base width
50387150	150 mm	190 mm	Ø39 mm
50387155	Combination element for ART. 50387150, enables the assembly of multiple workpieces		



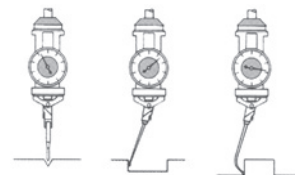
### CO-AX INDICATOR

For the central alignment of bores and spindels on tool machines

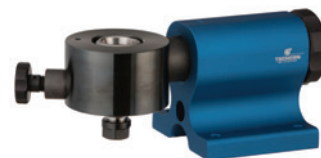
Accuracy of centering: 0,02 mm.

Working range: Ø 300 mm.

Shaft Ø 10 mm.



Item no.	Range mm	Resolution mm	Length of straight sensors mm	Length of bended sensors mm	Length of center sensor mm
50329415	0 - 3	0,01	45, 100, 154	46, 100, 154	52,5 mm
50329420	Sensors in set (8 pcs.) for ART. 50329415				



### ASSEMBLY SYSTEM, BASE UNIT

Aluminium body. Modular tool holders from steel.

Quick and easy exchange system. 4 x 90° revolving. Prevents conus from being damaged. Compact model which requires minimum space. Quick and safe tool exchange within seconds.

Item no.	Description	Type
50450000	Basic holder for tool holder	-
50450030	Adaptor for tool holder	SK30
50450040	Adaptor for tool holder	SK40
50450050	Adaptor for tool holder	SK50
50450240	Adaptor for tool holder	HSK40
50450250	Adaptor for tool holder	HSK50
50450263	Adaptor for tool holder	HSK63
50450280	Adaptor for tool holder	HSK80
50450300	Adaptor for tool holder	HSK100
50450320	Adaptor for tool holder	VDI20
50450330	Adaptor for tool holder	VDI30
50450340	Adaptor for tool holder	VDI40
50450350	Adaptor for tool holder	VDI50
50450363	Adaptor for tool holder	PSC63

### 3D-TESTER ANALOG, TSCHORN

It features a sleek and attractive design. Its precision and versatility allow quick and easy determination of workpiece zero points and lengths. The probing can be performed in all axis directions (X, Y, Z) with identical resolution. As soon as the pointer shows "0", the spindle axis stands precisely on the workpiece edge.

The protection of the measuring unit is of topmost priority. For this purpose, large travel paths, limited by mechanical stops, have been integrated into the probing unit. The probing unit tip has a breaking point that is mounted near the top. If your 3D probes are damaged by the effect of an external force, a simple repair is economically possible.

Resolution: 0,01 mm.  
Waterproof IP67, except ART. 50329475.

ART. 50329475

ART. 50329525

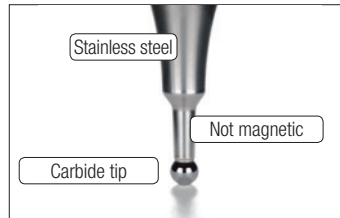
ART. 50329530



ART. 50329535  
Turning tip  
ART. 50329535  
Flat spids

ART. 50329545

ART. 50329540



Item no.	Shaft diameter	Total length without tip	Tip	Display diameter
50329475	Ø12 mm	135 mm	Ø3 mm	35 mm
50329525	Ø12 mm	130 mm	Ø3 mm	37 mm
50329530	Ø12 mm	150 mm	Ø3 mm	49 mm
50329535	Ø20 mm	150 mm	Ø3,2 / 3,6 mm	37 mm

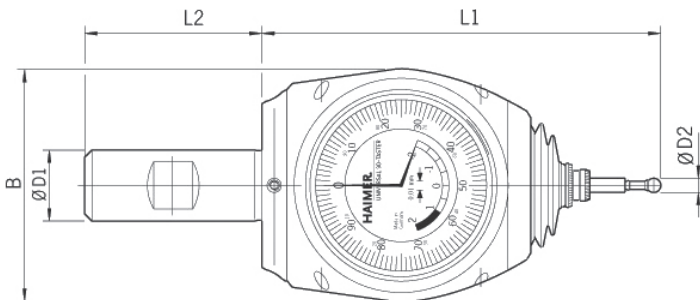
#### Accessories

50329540	Probe tip standard Ø3 mm. Length: 27 mm
50329545	Probe tip long Ø6 mm. Length: 62 mm

### UNIVERSAL 3D-SENSOR WITH WELDON SHANK

The universal 3D-sensor from Haimer is a very precise and versatile measuring instrument for milling and EDM machines (insulated probe). It gives you the opportunity to find the exact positioning of the spindle axis on the edges of the workpiece.

The 3D-sensor can be used in any direction (X-, Y-, Z- axis).

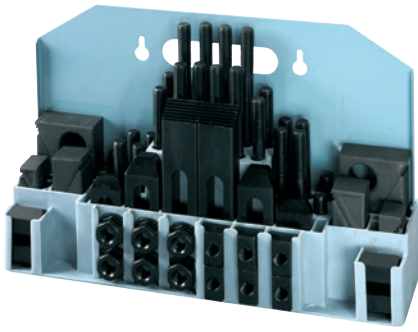


ART. 50329785

ART. 50329780



Item no.	Total length (L1 + L2)	Shaft length (L2)	Shaft (ØD1)	Ptobe tip diameter D2	Width (B)	Accuracy
50329750	163 mm	50 mm	20 mm	4 mm	65 mm	0,01 mm
50329780			Probe tip for Haimer 3D-sensor / Ø4 mm			
50329785			Probe tip for Haimer 3D-sensor / Ø8 mm			



### CLAMPING SET, 58 PCS.

Supplied in a stable PVC / steel box. All clamps are hardened, stepped blocks are made of sintered steel. All parts are black oxidized.

Item no.	Thread	T-slot
50332120	M10	12 mm
50332135	M12	14 mm
50332150	M12	16 mm
50332165	M14	16 mm
50332180	M16	18 mm

Item no.	Content
50332120	24 pcs stud bolts: 4 pcs 75, 100, 125, 150, 175, 200
50332135	6 pcs T-slot nuts
50332150	6 pcs hexagon nuts with collar
50332165	4 pcs extension nuts
50332165	12 pcs (6 pair) stepped blocks
50332180	6 pcs (3 pairs) stepped finger straps: 100, 150, 200 mm



### CLAMPING SET, 50 PCS.

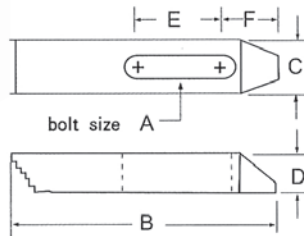
Supplied in a wooden block. All clamps are hardened, stepped blocks are made of sintered steel. All parts are black oxidized.

Item no.	Thread	T-slot
50332195	M20	22 mm
50332210	M24	28 mm



### CLAMPING SET

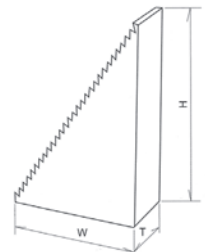
Item no.	Thread	T-slot	Quantity
50332410	M12	14 mm	52 pcs
50332420	M14	16 mm	52 pcs
50332430	M16	18 mm	52 pcs



### CLAMPS WITH STEPPED TEETH

HRC 15-25.

Item no.	Fits bolt size	B mm	C mm	D mm	E mm	F mm
50335150	M10	63	25	12	20	21
50335155	M10	101	25	15	36	26
50335160	M10	152	28	18	55	29
50335165	M12	63	28	12	17	23
50335170	M12	101	31	18	33	29
50335175	M12	152	31	21	52	29
50335180	M14 - M16	63	31	15	20	24
50335185	M14 - M16	101	37	18	30	30
50335190	M14 - M16	152	38	21	33	34
50335195	M18 - M20	101	40	20	26	32
50335200	M18 - M20	152	40	20	33	37
50335205	M18 - M20	203	50	25	55	48
50335210	M22 - M24	152	50	20	42	43
50335215	M22 - M24	203	60	30	50	51
50335220	M22 - M24	254	60	30	75	51

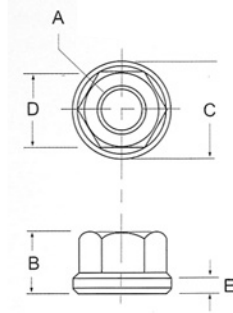
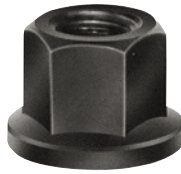


### STEP BLOCKS

Delivered as one pair (2 pcs.)

Item no.	Length (W)	Width (T)	Height (H)	Max. height
50337125	19 mm	25 mm	31 mm	45 mm
50337140	28 mm	25 mm	46 mm	70 mm
50337155	47 mm	25 mm	78 mm	130 mm
50337170	57 mm	25 mm	92 mm	150 mm
50337185	28 mm	27 mm	46 mm	70 mm
50337200	47 mm	27 mm	78 mm	130 mm
50337215	70 mm	27 mm	115 mm	180 mm

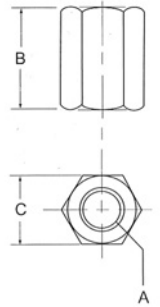
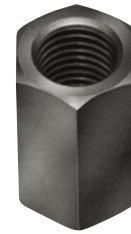




## FLANGE NUT

HRC 15-25.

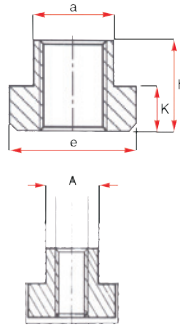
Item no.	Thread (A)	B mm	C mm	D mm	E mm
50332008	M8	13	19	14	3
50332010	M10	17	22	17	3
50332012	M12	19	26	19	3,5
50332014	M14	22	28	22	3,5
50332016	M16	24	31	24	4
50332018	M18	27	35	27	4
50332020	M20	30	40	30	5
50332022	M22	33	45	32	6
50332024	M24	36	50	36	6



## EXTENSION NUT

HRC 15-25.

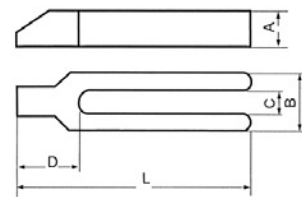
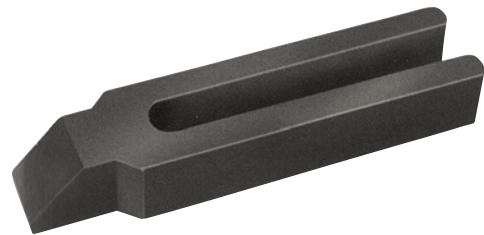
Item no.	Thread (A)	B	C
50333008	M8	22 mm	14 mm
50333010	M10	25 mm	17 mm
50333012	M12	30 mm	19 mm
50333014	M14	35 mm	22 mm
50333016	M16	40 mm	24 mm
50333018	M18	45 mm	27 mm
50333020	M20	50 mm	30 mm
50333022	M22	55 mm	32 mm
50333024	M24	60 mm	36 mm



## T-SLOT NUT

DIN508.

Item no.	Thread	A mm	a mm	e mm	h mm	k mm
50330100	M8	10	9,3	15	12	6
50330115	M8	12	11,7	18	14	7
50330130	M8	14	13,7	22	16	8
50330145	M8	16	15,7	25	18	9
50330160	M8	18	17,7	28	20	10
50330175	M10	12	11,7	18	14	7
50330190	M10	14	13,7	22	16	8m
50330205	M10	16	15,7	25	18	9
50330220	M10	18	17,7	28	20	10
50330235	M12	14	13,7	22	16	8
50330250	M12	16	15,7	25	18	9
50330265	M12	18	17,7	28	20	10
50330280	M12	20	19,7	32	24	12
50330295	M12	22	21,7	35	28	14
50330300	M14	16	15,7	25	18	9
50330310	M16	18	17,7	28	20	10
50330325	M16	20	19,7	32	24	12
50330340	M18	20	19,7	32	24	12
50330355	M18	22	21,7	35	28	14
50330360	M20	22	21,7	35	28	14
50330370	M20	24	23,7	40	32	16
50330385	M22	24	23,7	40	32	16
50330395	M24	28	27,7	44	36	18



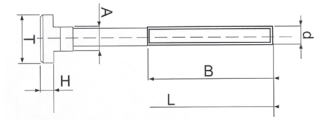
## FORKED VICE CLAMPS WITH NOSE

HRC 15-25.

Item no.	Fits bolt size	L mm	A mm	B mm	C mm
50336205	M8	100	15	30	9
50336210	M10	125	20	30	11
50336215	M12 - M14	160	25	40	14
50336220	M12 - M14	200	25	40	14
50336225	M16 - M18	200	30	50	18
50336230	M16 - M18	250	30	50	18
50336235	M20 - M22	250	40	60	22
50336240	M20 - M22	315	40	60	22
50336245	M24 - M26	250	40	70	26
50336250	M24 - M26	315	40	70	26

## T-STUD

HRC 15-25.

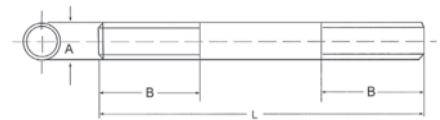


Item no.	Thread	A mm	L mm	B mm	T mm	H mm
50331230	M10	10	60	30	17	6
50331235	M10	10	80	35	17	6
50331240	M10	10	100	45	17	6
50331245	M10	10	120	55	17	6
50331250	M10	10	140	45	17	6
50331255	M10	10	160	45	17	6
50331260	M12	12	50	30	20	7
50331265	M12	12	60	35	20	7
50331270	M12	12	80	40	20	7
50331275	M12	12	100	45	20	7
50331280	M12	12	115	45	20	7
50331285	M12	12	125	55	20	7
50331290	M12	12	145	55	20	7
50331295	M12	12	175	55	20	7
50331300	M12	12	205	55	20	7
50331305	M14	14	60	35	23	9
50331310	M14	14	70	40	23	9
50331315	M14	14	80	45	23	9
50331320	M14	14	100	45	23	9
50331325	M14	14	120	55	23	9
50331330	M14	14	150	75	23	9
50331335	M14	14	180	75	23	9
50331340	M14	14	200	65	23	9
50331345	M14	14	240	80	23	9
50331350	M16	16	60	40	25	10
50331355	M16	16	80	45	25	10
50331360	M16	16	100	45	25	10

Item no.	Thread	A mm	L mm	B mm	T mm	H mm
50331365	M16	16	120	55	25	10
50331370	M16	16	160	65	25	10
50331375	M16	16	180	75	25	10
50331380	M16	16	210	75	25	10
50331385	M16	16	240	75	25	10
50331390	M18	18	80	45	30	10,5
50331395	M18	18	100	45	30	10,5
50331400	M18	18	120	55	30	10,5
50331405	M18	18	160	65	30	10,5
50331410	M18	18	180	65	30	10,5
50331415	M18	18	210	65	30	10,5
50331420	M18	18	240	65	30	10,5
50331425	M20	20	80	35	32	12
50331430	M20	20	100	55	32	12
50331435	M20	20	120	55	32	12
50331440	M20	20	150	75	32	12
50331445	M20	20	180	70	32	12
50331450	M20	20	210	70	32	12
50331455	M20	20	240	75	32	12
50331460	M22	22	130	80	35	14,5
50331465	M22	22	210	80	35	14,5
50331470	M22	22	265	80	35	14,5
50331475	M22	22	315	80	35	14,5
50331480	M24	24	130	70	40	16
50331485	M24	24	210	70	40	16
50331490	M24	24	265	80	40	16
50331495	M24	24	310	80	40	16

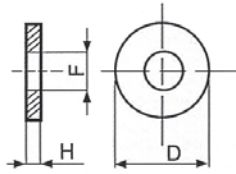
## STUD SCREW

HRC 15-25.



Item no.	Thread (A)	L	B
50334520	M8	75 mm	30 mm
50334525	M8	100 mm	32 mm
50334530	M8	125 mm	32 mm
50334535	M8	150 mm	32 mm
50334540	M8	175 mm	32 mm
50334545	M8	200 mm	32 mm
50334550	M10	75 mm	30 mm
50334555	M10	100 mm	30 mm
50334560	M10	125 mm	32 mm
50334565	M10	150 mm	32 mm
50334570	M10	175 mm	32 mm
50334575	M10	200 mm	32 mm
50334580	M12	75 mm	30 mm
50334585	M12	100 mm	30 mm
50334590	M12	125 mm	35 mm
50334595	M12	150 mm	35 mm
50334600	M12	175 mm	35 mm
50334605	M12	200 mm	35 mm
50334610	M14	75 mm	30 mm
50334615	M14	100 mm	30 mm
50334620	M14	125 mm	35 mm
50334625	M14	150 mm	35 mm
50334630	M14	175 mm	35 mm
50334635	M14	200 mm	35 mm
50334640	M16	75 mm	40 mm
50334645	M16	100 mm	40 mm
50334650	M16	125 mm	40 mm

Item no.	Thread (A)	L	B
50334655	M16	150 mm	40 mm
50334660	M16	175 mm	40 mm
50334665	M16	200 mm	40 mm
50334670	M18	75 mm	45 mm
50334675	M18	100 mm	45 mm
50334680	M18	125 mm	45 mm
50334685	M18	150 mm	45 mm
50334690	M18	175 mm	45 mm
50334695	M18	200 mm	45 mm
50334700	M20	100 mm	50 mm
50334705	M20	125 mm	50 mm
50334710	M20	150 mm	50 mm
50334715	M20	175 mm	50 mm
50334720	M20	200 mm	50 mm
50334725	M20	250 mm	50 mm
50334730	M22	100 mm	50 mm
50334735	M22	125 mm	50 mm
50334740	M22	150 mm	55 mm
50334745	M22	175 mm	55 mm
50334750	M22	200 mm	55 mm
50334755	M22	250 mm	55 mm
50334760	M24	125 mm	50 mm
50334765	M24	150 mm	50 mm
50334770	M24	175 mm	60 mm
50334775	M24	200 mm	60 mm
50334780	M24	225 mm	60 mm
50334785	M24	250 mm	60 mm



## WASHERS

Item no.	Fits bolt size	F	D x H
50339120	M8	8,2 mm	25 x 4 mm
50339125	M10	10,5 mm	25 x 4 mm
50339130	M12	13 mm	30 x 5 mm
50339135	M14	15 mm	35 x 6 mm
50339140	M16	17 mm	40 x 6 mm
50339145	M18	19 mm	45 x 7 mm
50339150	M20	21 mm	45 x 7 mm



## THREAD HEAD FOR DIES

Set of 9 pcs.

Consist of:

4 pcs. die holders M2 - M10

4 pcs. tap holders M3 - M12

Length extension: 32 mm.

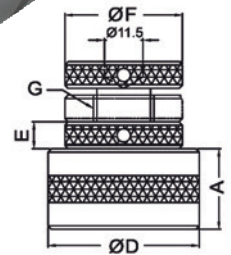
Item no.	MK	Ø	Length
50425216	3	49 mm	182 mm



## 5-AXIS CLAMPING UNIT

For CNC machining centers etc.. High efficiency and saves space. Easy to take off and load workpieces. Weight: 1,6 kg.

Item no.	Ø D mm	Ø d mm	A mm	B mm	C mm	D mm	E mm
50338265	70	60	49	50	67	70	53



## SCREW SUPPORTER WITH MAGNET

High quality screw supporter with adjustable height for support of work pieces. The built-in magnet ensures optimum retention and allows fastening/ supporting in both horizontal and vertical direction.

Item no.	A mm	Adjustable height mm	D mm (Ø)	E mm	F mm (Ø)	G
50338235	24	40 - 50	45	8	35	Tr18x2
50338240	34	50 - 65	45	8	35	Tr18x2
50338245	49	65 - 85	45	8	35	Tr20x3
50338250	63	85 - 110	45	12	40	Tr25x4
50338255	85	110 - 165	50	12	45	Tr25x4
50338260	135	165 - 265	60	12	50	Tr32x5



ART. 61300030

ART. 61300025

ART. 61300020



Nozzle

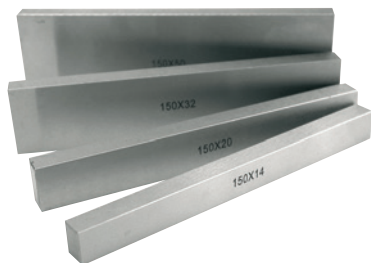
## NOGA COOLING ARMS

For mounting on CNC machines. For high pressure use. Supplied ready for use; arm, nozzle, adjustment key and adapter.

Item no.	Thread, int.	Adjustable	Length	Nozzle dimension
61300025	M6	Yes	84 mm	3 mm
61300020	NPT 1/4"	No	164 mm	4 mm
61300030	NPT 1/4"	Yes	206 mm	4 mm

Item no.	Type	Fits ART.	Dimension
61300101	Key	61300020 + 61300030	5 mm
61300102	Nozzle	61300020 + 61300030	2 mm
61300104	Nozzle	61300020 + 61300030	4 mm
61300106	Nozzle	61300020 + 61300030	6 mm
61300107	Nozzle	61300025	3 mm
61300110	Adapter	61300025	NPT 1/4" / M6
61300112	Adapter	61300020 + 61300030	NPT 1/4" / NPT 1/4"





## PARALLEL GAUGES IN PAIRS

Parallelitie  $\pm 0,005$  mm. Length  $\pm 0,02$  mm.  
Width  $\pm 0,02$  mm. Height  $\pm 0,01$  mm.

Item no.	Height	Width	Length
50354105	11 mm	8 mm	150 mm
50354110	13 mm	10 mm	150 mm
50354115	14 mm	3 mm	150 mm
50354120	14 mm	5 mm	150 mm
50354125	14 mm	10 mm	150 mm
50354130	15 mm	12 mm	150 mm
50354135	16 mm	3 mm	150 mm
50354140	16 mm	5 mm	150 mm
50354145	16 mm	8 mm	150 mm
50354150	16 mm	10 mm	150 mm
50354155	17 mm	14 mm	150 mm
50354160	18 mm	3 mm	150 mm
50354165	18 mm	5 mm	150 mm
50354170	18 mm	10 mm	150 mm
50354175	20 mm	3 mm	150 mm
50354180	20 mm	5 mm	150 mm
50354185	20 mm	10 mm	150 mm
50354190	20 mm	12 mm	150 mm
50354195	21 mm	8 mm	150 mm
50354200	22 mm	3 mm	150 mm
50354205	22 mm	5 mm	150 mm
50354210	22 mm	10 mm	150 mm
50354220	22 mm	14 mm	150 mm
50354225	23 mm	10 mm	150 mm
50354230	24 mm	3 mm	150 mm
50354235	24 mm	5 mm	150 mm
50354240	24 mm	10 mm	150 mm
50354241	25 mm	5 mm	150 mm
50354245	25 mm	12 mm	150 mm
50354250	26 mm	3 mm	150 mm
50354255	26 mm	5 mm	150 mm
50354260	26 mm	8 mm	150 mm
50354265	26 mm	10 mm	150 mm
50354270	27 mm	14 mm	150 mm
50354275	28 mm	3 mm	150 mm
50354280	28 mm	5 mm	150 mm
50354285	28 mm	10 mm	150 mm
50354290	30 mm	3 mm	150 mm
50354295	30 mm	5 mm	150 mm
50354300	30 mm	10 mm	150 mm
50354305	30 mm	12 mm	150 mm
50354310	31 mm	8 mm	150 mm
50354315	32 mm	3 mm	150 mm
50354320	32 mm	5 mm	150 mm
50354325	32 mm	10 mm	150 mm
50354330	32 mm	14 mm	150 mm
50354335	33 mm	10 mm	150 mm
50354340	35 mm	3 mm	150 mm
50354345	35 mm	5 mm	150 mm
50354350	35 mm	10 mm	150 mm
50354355	35 mm	12 mm	150 mm
50354360	36 mm	8 mm	150 mm

50354365	37 mm	14 mm	150 mm
50354370	38 mm	10 mm	150 mm
50354375	40 mm	3 mm	150 mm
50354380	40 mm	5 mm	150 mm
50354385	40 mm	10 mm	150 mm
50354390	40 mm	12 mm	150 mm
50354395	42 mm	14 mm	150 mm
50354400	45 mm	3 mm	150 mm
50354405	45 mm	5 mm	150 mm
50354410	45 mm	10 mm	150 mm
50354415	50 mm	3 mm	150 mm
50354420	50 mm	5 mm	150 mm
50354425	50 mm	10 mm	150 mm
50354430	55 mm	10 mm	150 mm
50354435	55 mm	5 mm	150 mm



Parallelitie:  $\pm 0,005$  mm  
Length:  $\pm 0,02$  mm  
Width:  $\pm 0,02$  mm  
Height:  $\pm 0,01$  mm

## PARALLEL GAUGES IN SETS OF 14 PAIR

ISO 2768 M.

Pairs	50352003 Width	50352005 Width	50352010 Width	Height	Length
1 Pair	3 mm	5 mm	10 mm	14 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	16 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	18 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	20 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	22 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	24 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	26 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	28 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	30 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	32 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	35 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	40 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	45 mm	150 mm
1 Pair	3 mm	5 mm	10 mm	50 mm	150 mm

Pair	50352105 Width	50352110 Width	Height	Length
1 Pair	5 mm	10 mm	14 mm	150 mm
1 Pair	5 mm	10 mm	16 mm	150 mm
1 Pair	5 mm	10 mm	18 mm	150 mm
1 Pair	5 mm	10 mm	20 mm	150 mm
1 Pair	5 mm	10 mm	25 mm	150 mm
1 Pair	5 mm	10 mm	30 mm	150 mm
1 Pair	5 mm	10 mm	35 mm	150 mm
1 Pair	5 mm	10 mm	38 mm	150 mm
1 Pair	5 mm	10 mm	40 mm	150 mm
1 Pair	5 mm	10 mm	42 mm	150 mm
1 Pair	5 mm	10 mm	44 mm	150 mm
1 Pair	5 mm	10 mm	46 mm	150 mm
1 Pair	5 mm	10 mm	48 mm	150 mm
1 Pair	5 mm	10 mm	50 mm	150 mm



## PARALLEL GAUGES IN SET OF 24 PAIRS

Hardened and lapped according to HRC 55-62.

Parallelitie: 0,01 mm. Length: 150 mm.

Item no.	Length
50357124	150 mm

Number of pairs	Sorted by width		Sorted by height	
	Width	Height	Height	Width
1 pair	8 mm	11 mm	11 mm	8 mm
1 pair	8 mm	16 mm	13 mm	10 mm
1 pair	8 mm	21 mm	15 mm	12 mm
1 pair	8 mm	26 mm	16 mm	8 mm
1 pair	8 mm	31 mm	17 mm	14 mm
1 pair	8 mm	36 mm	18 mm	10 mm
1 pair	10 mm	13 mm	20 mm	12 mm
1 pair	10 mm	18 mm	21 mm	8 mm
1 pair	10 mm	23 mm	22 mm	14 mm
1 pair	10 mm	28 mm	23 mm	10 mm
1 pair	10 mm	33 mm	25 mm	12 mm
1 pair	10 mm	38 mm	26 mm	8 mm
1 pair	12 mm	15 mm	27 mm	14 mm
1 pair	12 mm	20 mm	28 mm	10 mm
1 pair	12 mm	25 mm	30 mm	12 mm
1 pair	12 mm	30 mm	31 mm	8 mm
1 pair	12 mm	35 mm	32 mm	14 mm
1 pair	12 mm	40 mm	33 mm	10 mm
1 pair	14 mm	17 mm	35 mm	12 mm
1 pair	14 mm	22 mm	36 mm	8 mm
1 pair	14 mm	27 mm	37 mm	14 mm
1 pair	14 mm	32 mm	38 mm	10 mm
1 pair	14 mm	37 mm	40 mm	12 mm
1 pair	14 mm	42 mm	42 mm	14 mm



## CLAMPING NUT

Item no.	Description
50413125	415 E / DIN 16. Nut for collet w/ ball bearing, 43 x 24 mm. Thread M33 x 1,5
50413140	462 E / DIN 25. Nut for collet w/ ball bearing, 60 x 30 mm. Thread M48 x 2,0
50413155	467 E / DIN 32. Nut for collet w/ ball bearing, 72 x 33,5 mm. Thread M60 x 2,5
50418016	Nut for collet ER16A w/ ball bearing, 28 x 17,5 mm. Thread M22 x 1,5
50418225	Nut for collet ER 25B w/ ball bearing, 42 x 20 mm. Thread M32 x 1,5
50418332	Nut for collet ER 32B w/ ball bearing, 50 x 22,5 mm. Thread M40 x 1,5
50418440	Nut for collet ER 40B w/ ball bearing, 63 x 25,5 mm. Thread M50 x 1,5



## WAVED PARALLEL GAUGES IN SET (8 PAIRS)

Length: 110 mm.

Parallelitie ± 0,005 mm.

Number of pair	503259023 Height	50359039 Height	Length
1 pair	9 mm	25 mm	110 mm
1 pair	11 mm	27 mm	110 mm
1 pair	13 mm	29 mm	110 mm
1 pair	15 mm	31 mm	110 mm
1 pair	17 mm	33 mm	110 mm
1 pair	19 mm	35 mm	110 mm
1 pair	21 mm	37 mm	110 mm
1 pair	23 mm	39 mm	110 mm



## COLLETS IN SET

50410xxx - 50412xxx = DIN6388B. 50415xxx - 50417xxx = DIN6499B.

Item no.	Type	Content	Quantity
50410350	415 E / DIN 16	2 - 16 mm	15 pcs
50411625	462 E / DIN 25	4 - 25 mm	15 pcs
50412675	467 E / DIN 32	5 - 32 mm	16 pcs
50415500	ER 16	1 - 10 mm	10 pcs
50416550	ER 25	2 - 16 mm	15 pcs
50417600	ER 32	3 - 20 mm	18 pcs
50420200	ER 16 Waterproof	1 - 10 mm	9 pcs
50421250	ER 20	3 - 13 mm	10 pcs
50422350	ER 25 Waterproof	2 - 16 mm	14 pcs
50423500	ER 32 Waterproof	3 - 20 mm	17 pcs
50424650	ER 40 Waterproof	3 - 26 mm	23 pcs



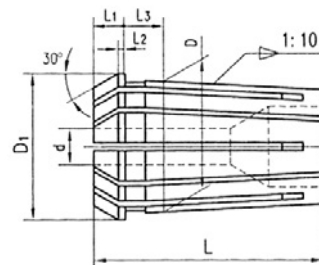
## SPANNER

Item no	Type	Fits nut no.	Dimension
50419625	ER 25	ART. 50418225	37 x 210 mm
50419632	ER 32	ART. 50418332	45 x 250 mm

## COLLET ER-SERIES

DIN6499B.

Model	D mm	D1 mm	d mm	L mm	L1 mm	L2 mm	L3 mm
50415xxx	16	17	1 - 10	27,5	6,26	4,0	2,7
50416xxx	25	26	1 - 16	34,0	6,66	5,0	3,1
50417xxx	32	33	2 - 20	40,0	7,16	5,5	3,6



### STANDARD

Ø max. mm	ER 16 17 x 27,5 mm Item no.	ER 25 26 x 34 mm Item no.	ER 32 33 x 40 mm Item no.
1,0	50415120	50416222	-
1,5	50415127	50416229	-
2,0	50415134	50416236	50417325
2,5	50415141	50416243	50417332
3,0	50415148	50416250	50417339
3,5	-	-	50417346
4,0	50415155	50416257	50417353
5,0	50415162	50416264	50417360
6,0	50415169	50416271	50417367
7,0	50415176	50416278	50417374
8,0	50415183	50416285	50417381
9,0	50415190	50416292	50417388
10,0	50415197	50416299	50417395
11,0	-	50416306	50417402
12,0	-	50416313	50417409
13,0	-	50416320	50417416
14,0	-	50416327	50417423
15,0	-	50416334	50417430
16,0	-	50416341	50417437
17,0	-	-	50417444
18,0	-	-	50417451
19,0	-	-	50417458
20,0	-	-	50417465

### WATERPROOF

Ø max. mm	ER 16 17 x 27,5 mm Item no.	ER 20 21 x 31 mm Item no.	ER 25 26 x 35 mm Item no.	ER 32 33 x 40 mm Item no.	ER 40 41 x 46 mm Item no.
1,0	50420133	-	-	-	-
2,0	50420140	-	50422244	-	-
3,0	50420147	50421149	50422251	50423347	50424466
4,0	50420156	50421156	50422258	50423354	50424473
5,0	50420163	50421163	50422265	50423361	50424480
6,0	50420170	50421170	50422272	50423368	50424487
7,0	50420177	50421177	50422279	50423375	50424494
8,0	50420184	50421184	50422286	50423382	50424501
9,0	50420191	50421191	50422293	50423389	50424508
10,0	50420198	50421198	50422300	50423396	50424515
11,0	-	50421205	50422307	50423403	50424522
12,0	-	50421213	50422314	50423410	50424529
13,0	-	50421220	50422321	50423417	50424536
14,0	-	-	50422328	50423424	50424543
15,0	-	-	50422335	50423431	50424550
16,0	-	-	50422342	50423438	50424557
17,0	-	-	-	50423445	50424564
18,0	-	-	-	50423452	50424571
19,0	-	-	-	50423459	50424578
20,0	-	-	-	50423466	50424585
21,0	-	-	-	-	50424592
22,0	-	-	-	-	50424599
23,0	-	-	-	-	50424606
24,0	-	-	-	-	50424613
25,0	-	-	-	-	50424620
25,0	-	-	-	-	50424627



### NOGA COBRA COOL KIT

ART. 50430400 - NOGA no. CB2100

The cobra drop ejector is designed to accurately shoot small quantities of liquid to distinct targets. Liquids up to 250 cst viscosity can be applied.



### NOGACOOOL

ART. 50430161 - NOGA no. MC1601

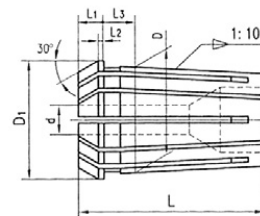
NOGACOOOL consist of a manifold and Loc-Line flexible hose with a nozzle on top and a valve at the bottom. Assembled on a powerful on/off magnet.



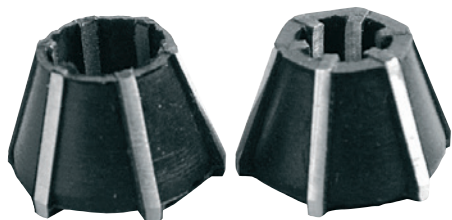
## COLLETS DIN-SERIES

DIN6388B.

Type	D mm	D1 mm	d mm	L mm	L1 mm	L2 mm	L3 mm
50410xxx	22,65	25,5	2 - 16	40	5,5	1,2	9,5
50411xxx	32,9	35,05	2 - 25	52	6,0	1,4	10,0
50412xxx	41,3	43,7	4 - 32	60	6,0	1,45	11,0



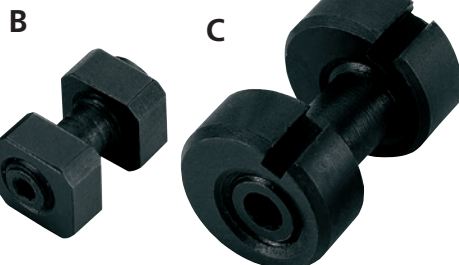
Ø max.	DIN 16 / 414E 25,5 x 40 mm Item no.	DIN 25 / 462E 35,50 x 52 mm Item no.	DIN 32 / 467E 43,7 x 60 mm Item no.
2,0 mm	50410028	50411220	-
3,0 mm	50410036	50411228	-
4,0 mm	50410044	50411236	50412320
5,0 mm	50410052	50411244	50412328
6,0 mm	50410060	50411252	50412336
7,0 mm	50410068	50411260	50412344
8,0 mm	50410076	50411268	50412352
9,0 mm	50410084	50411276	50412360
10,0 mm	50410092	50411284	50412368
11,0 mm	50410100	50411292	50412376
12,0 mm	50410108	50411300	50412384
13,0 mm	50410116	50411308	50412392
14,0 mm	50410124	50411316	50412400
15,0 mm	50410132	50411324	50412408
16,0 mm	50410140	50411332	50412416
17,0 mm	-	50411340	50412424
18,0 mm	-	50411348	50412432
19,0 mm	-	50411356	50412440
20,0 mm	-	50411364	50412448
21,0 mm	-	50411372	50412456
22,0 mm	-	50411380	50412464
23,0 mm	-	50411388	50412472
24,0 mm	-	50411396	50412480
25,0 mm	-	50411404	50412488
26,0 mm	-	-	50412496
27,0 mm	-	-	50412504
28,0 mm	-	-	50412512
29,0 mm	-	-	50412520
30,0 mm	-	-	50412528
31,0 mm	-	-	50412536
32,0 mm	-	-	50412544



## RUBBER COLLETS

Content: set (2 pcs)

Item no.	Size	Collet Ø	Collet Ø
50445155	A	2,5 - 4,5 mm	4,5 - 6,5 mm
50445235	B	3,5 - 6,5 mm	6,5 - 10,0 mm
50445370	C	4,5 - 10,0	10,0 - 16,0 mm



## LOCKING BOLT

Keeps the tap in place.

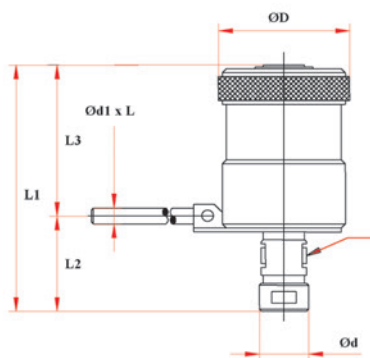
Item no.	Size	Fits to
50445230	B	ART. 50445212
50445365	C	ART. 50445320

## TAPPING CHUCK (REVERSIBLE)

Diesella reversible tapping chuck with overload-pin, adjustable torque and double speed at reversing.

Incl. taper shank and 2 pcs. collet chucks.

Spareparts, see previous page.



Item no.	Size	Thread range	Taper shank incl.	Collets incl.
50445107	A	M2 - M7	MK1 + 3 (J6)	2,5-4,5 + 4,5-6,5
50445212	B	M5 - M12	MK3 + 4 (J6)	3,5-6,5 + 6,5-10
50445320	C	M8 - M20	MK3 + 4 (M20x2,5)	4,5-10 + 10-16

Item no.	Max. R.P.M	Ø d x L mm	Ø D mm	Ø d mm	L1 mm	L2 mm	L3 mm
50445107	1500	6 x 150	55	23	130	42	88
50445212	1000	10 x 160	75	28	156	59	97
50445320	600	13 x 190	91	40	204	84	120



ART. 50373525



ART. 50374540



ART. 50371310



ART. 50372325

### ROLLER STAND FOR PIPES AND FLAT WORK PIECES

Ideal for supporting of large and heavy work pieces, adjustable in height, solid tripod cast construction. Aids material handling and increases productivity.

Item no.: 50373525

### ROLLER STAND FOR PIPES - V-GROOVE

Ideal for supporting of large and heavy work pieces, adjustable in height, solid tripod cast construction. Aids material handling and increases productivity.

Roller dia. Ø: 52 mm. Diameter stand pipe Ø: 52 mm.

Item no.: 50374540

### ROLLER STAND FOR PIPES AND FLAT WORK PIECES

Ideal for supporting of work pieces, adjustable in height, Aids material handling and increases productivity.

Roller dia. Ø: 38 mm. Diameter stand pipe Ø: 40 mm.

Item no.: 50371310

### ROLLER STAND WITH BALL BEARINGS

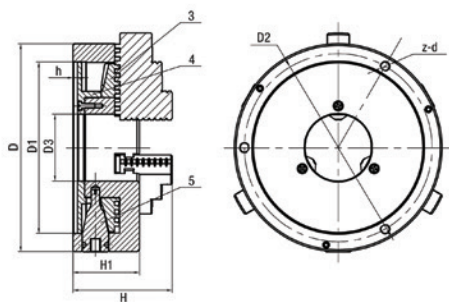
Ideal for supporting of work pieces, adjustable in height, Aids material handling and increases productivity. Diameter stand pipe Ø: 40 mm.

Item no.: 50372325

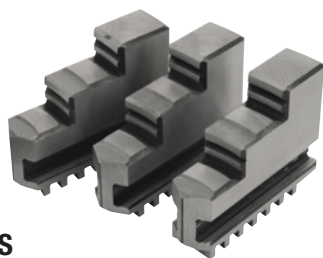
Item no.	Roller width	Height adjustment	Max. load capacity	Weight
50371310	400 mm	680 - 1100 mm	80 kg	7 kg
50372325	400 mm	700 - 1110 mm	100 kg	8 kg
50373525	350 mm	530 - 870 mm	700 kg	14 kg
50374540	2 x 125 mm	610 - 920 mm	700 kg	15 kg

## DIESELLA 3-JAW SELF-CENTERING SCROLL CHUCK

Cast iron. Incl. jaws and wrench.



Item no.	Diameter A	D1 mm	D2 mm	D3 mm	H mm	H1 mm	h mm	z-d mm	Weight
50201080	80 mm	55 mm	66 mm	16 mm	66 mm	50 mm	3,5 mm	3-M6	1,9 kg
50201100	100 mm	72 mm	84 mm	22 mm	74,5 mm	55 mm	3,5 mm	3-M8	3,2 kg
50201125	125 mm	95 mm	108 mm	30 mm	84 mm	58 mm	4 mm	3-M8	5 kg
50201160	160 mm	130 mm	142 mm	40 mm	95 mm	65 mm	5 mm	3-M8	8,8 kg
50201200	200 mm	165 mm	180 mm	65 mm	109 mm	75 mm	5 mm	3-M10	15,5 kg
50201250	250 mm	206 mm	226 mm	80 mm	120 mm	80 mm	5 mm	3-M12	25,7 kg
50201315	315 mm	260 mm	285 mm	100 mm	147 mm	90 mm	6 mm	3-M16	47 kg



### DIESELLA JAWS

Hard solid jaws, outside  
Hard solid jaws, inside

Item no.	Type	Fits ART.
50202080	External	50201080
50202100	External	50201100
50202125	External	50201125
50202160	External	50201160
50202200	External	50201200
50202250	External	50201250
50202315	External	50201315
50203080	Internal	50201080
50203100	Internal	50201100
50203125	Internal	50201125
50203160	Internal	50201160
50203200	Internal	50201200
50203250	Internal	50201250
50203315	Internal	50201315



### DIESELLA KEY

Item no.	Ø diameter	4-□
50204020	Ø80 + Ø100 mm	8 x 8 mm
50204030	Ø125 mm	10 x 10 mm
50204040	Ø160 mm	10 x 10 mm
50204050	Ø200 mm	12 x 12 mm
50204060	Ø250 mm	12 x 12 mm
50204070	Ø315 mm	13 x 13 mm



BISON Quick Action vice are also available  
- see section 5



Diesella can supply the whole range from BISON  
- one of the leading companies for chucks

Need another set of jaws?  
- see more on [www.myjawfinder.com](http://www.myjawfinder.com)



## 3504

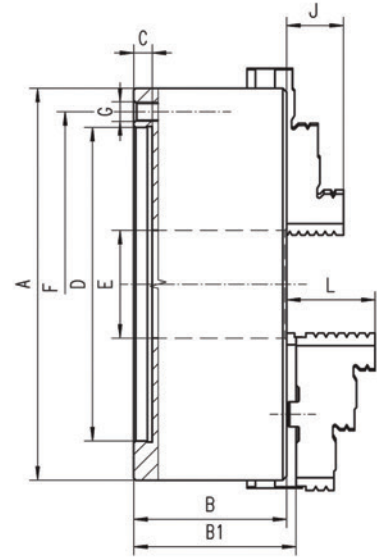


-  1 Satz harte einteilige Bohrbacken  
1 Set of hard outside solid jaws
-  1 Satz harte einteilige Drehbacken  
1 Set of hard inside solid jaws
-  1 Schlüssel  
1 Wrench

## 3505



-  1 Satz harte Aufsatzbacken  
1 Set of hard top jaws
-  1 Satz harte Grundbacken  
1 Set of hard master jaws
-  1 Schlüssel  
1 Wrench



Typ	Typ	A	B	B1	C	D H7	E	F	G	J	L	kg
Type	Type											
3504-80	-	80	44,0	-	3	56	16,0	67,0	3xM6	13	-	1,5
3504-100	-	100	50,0	-	3	70	20,0	83,0	3xM8	16	-	2,8
3504-125	3505-125	125	59,5	64,3	4	95	35,5	108,0	3xM8	20	40,0	5,0
3504-160	3505-160	160	68,0	72,8	4	125	42,0	140,0	6xM10	32	43,0	10,0
3504-200	3505-200	200	78,0	82,8	4	160	55,0	176,0	6xM10	29	45,0	17,5
3504-250	3505-250	250	89,0	92,8	5	200	76,0	224,0	6xM12	34	53,0	29,0
3504-315	3505-315	315	96,2	101,3	5	260	103,0	286,0	6xM16	43	57,0	50,0
3504-400	3505-400	400	109,0	116,8	5	330	136,0	362,0	6xM16	55	67,0	85,0
3504-500	3505-500	500	119,0	129,8	5	420	190,0	458,0	6xM16	60	79,0	145,0
3504-630	3505-630	630	129,0	140,3	7	545	252,0	586,0	6xM16	70	87,0	250,0

## 3204

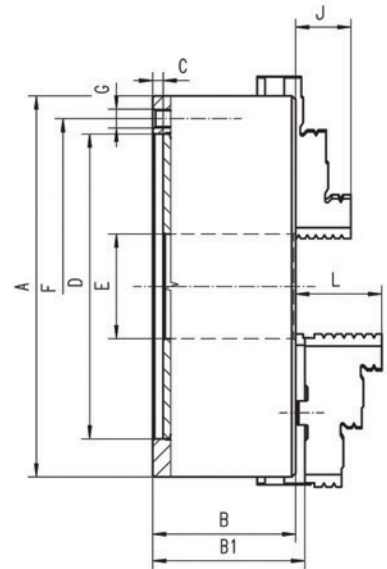


-  1 Satz harte einteilige Bohrbacken  
1 Set of hard outside solid jaws
-  1 Satz harte einteilige Drehbacken  
1 Set of hard inside solid jaws
-  1 Schlüssel  
1 Wrench

## 3205



-  1 Satz harte Aufsatzbacken  
1 Set of hard top jaws
-  1 Satz harte Grundbacken  
1 Set of hard master jaws
-  1 Schlüssel  
1 Wrench



Typ	Typ	A	B	B1	C	D H7	E	F	G	J	L	kg
Type	Type											
3204-80	-	80	44	-	3	56	16	67	3xM6	13	-	1,5
3204-100	-	100	50	-	3	70	20	83	3xM8	16	-	2,8
3204-125	3205-125	125	56	60,8	4	95	32	108	3xM8	20	40	5
3204-160	3205-160	160	64,5	69,3	4	125	42	140	6xM10	32	43	10
3204-200	3205-200	200	75	79,8	4	160	55	176	6xM10	29	45	17,5
3204-250	3205-250	250	85	88,8	5	200	76	224	6xM12	34	53	29
3204-315	3205-315	315	94	99,1	5	260	103	286	6xM16	43	57	50
3204-400	3205-400	400	105	113,8	5	330	136	362	6xM16	55	67	85
3204-500	3205-500	500	120	130,8	5	420	190	458	6xM16	60	79	145
3204-630	3205-630	630	135	146,3	7	545	252	586	6xM16	70	87	250

### 3534

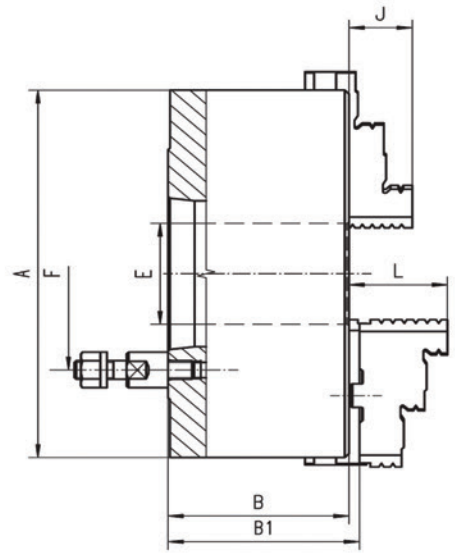


- 1 Satz harte einteilige Bohrbacken**  
1 Set of hard outside solid jaws
- 1 Satz harte einteilige Drehbacken**  
1 Set of hard inside solid jaws
- 1 Schlüssel**  
1 Wrench

### 3535



- 1 Satz harte Aufsatzbacken**  
1 Set of hard top jaws
- 1 Satz harte Grundbacken**  
1 Set of hard master jaws
- 1 Schlüssel**  
1 Wrench



Typ	Typ	A	KK 1:4		B	B1	E	F	Stehbolzen	J	L	kg
			Type	Type								
3534-125-3	3535-125-3	125	3		59,5	64,8	32,0	75,0	3	20	40,0	5
3534-125-4	3535-125-4	125	4		59,5	64,8	32,0	85,0	3	20	40,0	5
3534-160-4	3535-160-4	160	4		68,0	72,8	42,0	85,0	3	32	43,0	9
3534-160-5	3535-160-5	160	5		68,0	72,8	42,0	104,8	4	32	43,0	9
3534-200-5	3535-200-5	200	5		78,0	82,8	55,0	104,8	4	29	45,0	19
3534-200-6	3535-200-6	200	6		78,0	82,8	55,0	133,4	4	29	45,0	19
3534-250-6	3535-250-6	250	6		89,0	92,8	76,0	133,4	4	34	53,0	32
3534-250-8	3535-250-8	250	8		89,0	92,8	76,0	171,4	4	34	53,0	32
3534-315-6	3535-315-6	315	6		96,2	101,3	103,0	133,4	4	43	57,0	51
3534-315-8	3535-315-8	315	8		96,2	101,3	103,0	171,4	4	43	57,0	51
3534-315-11	3535-315-11	315	11		111,7	116,8	103,0	235,0	6	43	57,0	51
3534-400-8	3535-400-8	400	8		108,0	116,8	136,0	171,4	4	55	67,0	101
3534-400-11	3535-400-11	400	11		108,0	116,8	136,0	235,0	6	55	67,0	101

### 3234

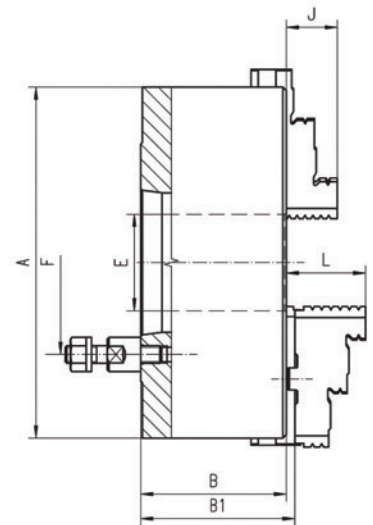


- 1 Satz harte einteilige Bohrbacken**  
1 Set of hard outside solid jaws
- 1 Satz harte einteilige Drehbacken**  
1 Set of hard inside solid jaws
- 1 Schlüssel**  
1 Wrench

### 3235



- 1 Satz harte Aufsatzbacken**  
1 Set of hard top jaws
- 1 Satz harte Grundbacken**  
1 Set of hard master jaws
- 1 Schlüssel**  
1 Wrench



Typ	Typ	A	KK 1:4		B	B1	E	F	Stehbolzen	J	L	kg
			Type	Type								
3234-100-3	-	100	3		80,0	-	20,0	75,0	3	16	-	3
3234-125-3	3235-125-3	125	3		70,0	74,8	32,0	75,0	3	20	40,0	5
3234-125-4	3235-125-4	125	4		70,0	74,8	32,0	85,0	3	20	40,0	5
3234-160-3	3235-160-3	160	3		81,5	86,3	42,0	75,0	3	32	43,0	9
3234-160-4	3235-160-4	160	4		81,5	86,3	42,0	85,0	3	32	43,0	9
3234-160-5	3235-160-5	160	5		81,5	86,3	42,0	104,8	4	32	43,0	9
3234-160-6	3235-160-6	160	6		91,0	95,8	51,5	133,4	4	29	45,0	19
3234-200-3	3235-200-3	200	3		91,0	95,8	55,0	75,0	3	29	45,0	19
3234-200-4	3235-200-4	200	4		91,0	95,8	55,0	85,0	3	29	45,0	19
3234-200-5	3235-200-5	200	5		91,0	95,8	55,0	104,8	4	29	45,0	19
3234-200-6	3235-200-6	200	6		103,5	107,3	55,0	133,4	4	34	53,0	32
3234-250-6	3235-250-6	250	6		103,5	107,3	76,0	133,4	4	34	53,0	32
3234-250-8	3235-250-8	250	8		103,5	107,3	76,0	171,4	4	34	53,0	32
3234-315-6	3235-315-6	315	6		117,7	122,8	103,0	133,4	4	43	57,0	51
3234-315-8	3235-315-8	315	8		117,7	122,8	103,0	171,4	4	43	57,0	51
3234-315-11	3235-315-11	315	11		140,0	145,0	103,0	235,0	6	43	57,0	51
3234-400-6	3235-400-6	400	6		128,5	137,3	103,0	133,4	4	55	67,0	101
3234-400-8	3235-400-8	400	8		128,5	137,3	136,0	171,4	4	55	67,0	101
3234-400-11	3235-400-11	400	11		128,5	137,3	136,0	235,0	6	55	67,0	101

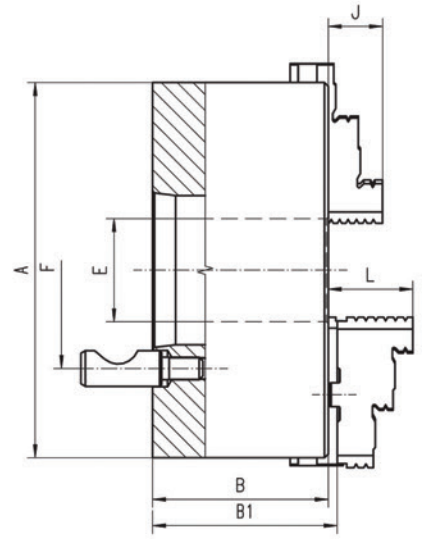


**3544**

-  1 Satz harte einteilige Bohrbacken  
1 Set of hard outside solid jaws
-  1 Satz harte einteilige Drehbacken  
1 Set of hard inside solid jaws
-  1 Schlüssel  
1 Wrench

**3545**

-  1 Satz harte Aufsatzbacken  
1 Set of hard top jaws
-  1 Satz harte Grundbacken  
1 Set of hard master jaws
-  1 Schlüssel  
1 Wrench

**BRISON**

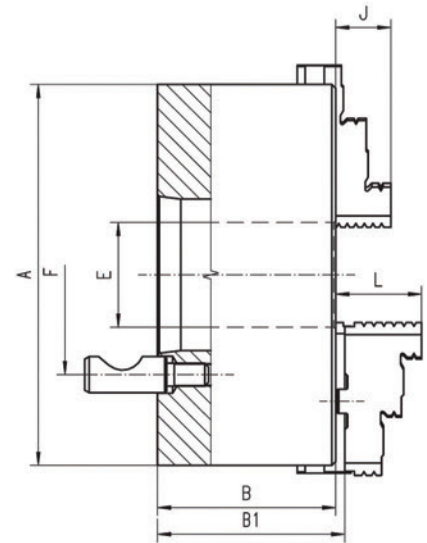
Typ	Typ	A	KK 1:4	B	B1	E	F	Stehbolzen	J	L	kg
Type	Type		ST 1:4					Stud bolts			
3544-125-3	3545-125-3	125	3	59,5	64,8	32,0	70,6	3	20	40,0	5
3544-125-4	3545-125-4	125	4	59,5	64,8	32,0	82,6	3	20	40,0	5
3544-160-3	3545-160-3	160	3	68,0	72,8	42,0	70,6	3	32	43,0	9
3544-160-4	3545-160-4	160	4	68,0	72,8	42,0	82,6	3	32	43,0	9
3544-160-5	3545-160-5	160	5	68,0	72,8	42,0	104,8	6	32	43,0	9
3544-200-4	3545-200-4	200	4	78,0	82,8	55,0	82,6	3	29	45,0	19
3544-200-5	3545-200-5	200	5	78,0	82,8	55,0	104,8	6	29	45,0	19
3544-200-6	3545-200-6	200	6	78,0	82,8	55,0	133,4	6	29	45,0	19
3544-250-6	3545-250-6	250	6	89,0	92,8	76,0	133,4	6	34	53,0	32
3544-250-8	3545-250-8	250	8	89,0	92,8	76,0	171,4	6	34	53,0	32
3544-315-6	3545-315-6	315	6	96,2	101,3	103,0	133,4	6	43	57,0	51
3544-315-8	3545-315-8	315	8	96,2	101,3	103,0	171,4	6	43	57,0	51
3544-315-11	3545-315-11	315	11	111,7	116,8	103,0	235,0	6	43	57,0	51
3544-400-8	3545-400-8	400	8	108,0	116,8	136,0	171,4	6	55	67,0	101
3544-400-11	3545-400-11	400	11	108,0	116,8	136,0	235,0	6	55	67,0	101

**3244**

-  1 Satz harte einteilige Bohrbacken  
1 Set of hard outside solid jaws
-  1 Satz harte einteilige Drehbacken  
1 Set of hard inside solid jaws
-  1 Schlüssel  
1 Wrench

**3245**

-  1 Satz harte Aufsatzbacken  
1 Set of hard top jaws
-  1 Satz harte Grundbacken  
1 Set of hard master jaws
-  1 Schlüssel  
1 Wrench



Typ	Typ	A	KK 1:4	B	B1	E	F	Stehbolzen	J	L	kg
Type	Type		ST 1:4					Stud bolts			
3244-100-3	-	100	3	80,0	-	20,0	70,6	3	16	-	3
3244-125-3	3245-125-3	125	3	70,0	74,8	32,0	70,6	3	20	40,0	5
3244-125-4	3245-125-4	125	4	70,0	74,8	32,0	82,6	3	20	40,0	5
3244-160-3	3245-160-3	160	3	81,5	86,3	42,0	70,6	3	32	43,0	9
3244-160-4	3245-160-4	160	4	81,5	86,3	42,0	82,6	3	32	43,0	9
3244-160-5	3245-160-5	160	5	81,5	86,3	42,0	104,8	6	32	43,0	9
3244-200-3	3245-200-3	160	3	81,5	86,3	42,0	70,6	3	32	43,0	9
3244-200-4	3245-200-4	200	4	91,0	95,8	51,5	82,6	3	29	45,0	19
3244-200-5	3245-200-5	200	5	91,0	95,8	55,0	104,8	6	29	45,0	19
3244-200-6	3245-200-6	200	6	91,0	95,8	55,0	133,4	6	29	45,0	19
3244-250-5	3245-250-5	200	5	91,0	95,8	55,0	104,8	6	29	45,0	19
3244-250-6	3245-250-6	250	6	103,5	107,3	76,0	133,4	6	34	53,0	32
3244-250-8	3245-250-8	250	8	103,5	107,3	76,0	171,4	6	34	53,0	32
3244-315-6	3245-315-6	315	6	117,7	122,8	103,0	133,4	6	43	57,0	51
3244-315-8	3245-315-8	315	8	117,7	122,8	103,0	171,4	6	43	57,0	51
3244-315-11	3245-315-11	315	11	125,0	130,0	103,0	235,0	6	43	57,0	51
3244-400-6	3245-400-6	400	6	128,5	137,3	103,0	133,4	6	55	67,0	101
3244-400-8	3245-400-8	400	8	128,5	137,3	136,0	171,4	6	55	67,0	101
3244-400-11	3245-400-11	400	11	128,5	137,3	136,0	235,0	6	55	67,0	101

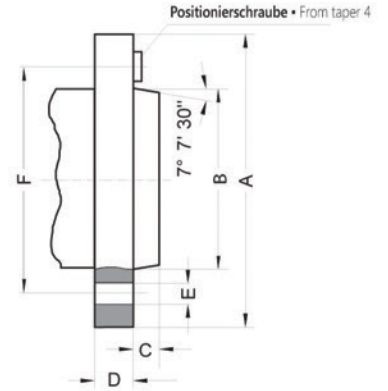


# SPINDEL NORMER



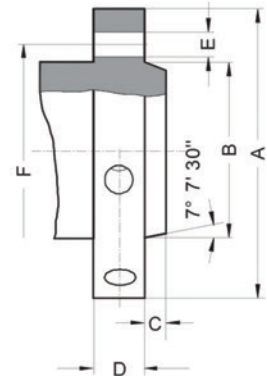
**DIN 55027**  
Bajonet mount.

Spindelgröße Spindle nose size	A	B max.	C	D	E	F
3	102	53,983	11	16	3x21	75,0
4	112	63,521	11	20	3x21	85,0
5	135	82,573	13	22	4x21	104,8
6	170	106,385	14	25	4x23	133,4
8	220	139,731	16	28	4x29	171,4
11	290	196,883	18	35	6x36	235,0
15	400	285,791	19	42	6x43	330,2
20	540	412,795	21	48	6x43	463,6



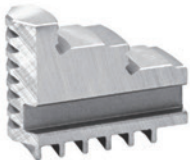
**DIN 55029**  
Camlock mount.

Spindelgröße Spindle nose size	A	B max.	C	D	E	F
3	92	53,983	11	32	3x15,1	70,6
4	117	63,521	11	34	3x16,7	82,6
5	146	82,573	13	38	6x19,8	104,8
6	181	106,385	14	45	6x23,0	133,4
8	225	139,731	16	50	6x26,2	171,4
11	298	196,883	18	60	6x31,0	235,0
15	403	285,791	19	70	6x35,7	330,2
20	546	412,795	21	82	6x42,1	463,6

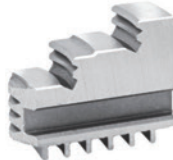


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**HARD SOLID JAWS**  
Outside clamping (highest inside)



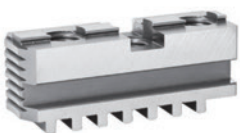
**HARD SOLID JAWS**  
Inside clamping (highest outside)



**SOFT SOLID JAWS**



**HARD MASTER JAWS**



**HARD TOP JAWS**



**SOFT TOP JAWS**





# Machine lights





ART. 50530110  
ART. 50530120

ART. 50530230  
ART. 50530240

### LED MACHINELIGHT 9,5 W

Powerful LED lights supplied with 8 pcs. LED bulbs, with very long service life - approx. 50,000 hours and minimal heat development in the lamp. The lamp head and arms are made of hard anodized aluminum with tensionable joints. The foot comes with 4 pieces. screw holes for M6 screw (45 x 45 mm).

Item no.	Power	Lumen	Beam	Color temp.	Color rendering
50530110	24V DC				
50530120	230V AC				
50530230	24V DC	830 Lm	45°	4000-4500 K	Ra > 70
50530240	230V AC				



ART. 50530055  
ART. 50530070

ART. 50530025  
ART. 50530040

### LED MACHINELIGHT W/ GOOSENECK

Lamp of black anodised aluminum with long service life - approx. 50,000 hours and minimal heat development in the lamp. The foot comes with 5 pcs. screw holes for M6 screw (47 x 47 mm). Color temp.: 4000-4500 K.

Item no.	Power	IP prot. class	Arm length	Lumen	Beam	Power cons.	No. of LED
50530025	24V DC	IP30	500 mm	320 Lm	45°	5 W	1 pc
50530040	230V AC	IP30	500 mm	320 Lm	45°	5 W	1 pc
50530055	24V DC	IP65	550 mm	830 Lm	60°	4,5 W	3 pcs
50530070	230V AC	IP56	550 mm	830 Lm	60°	4,5 W	3 pcs



### MAGNETIC BASE FOR LED MACHINELIGHT

Item no.	Ø	Dimensions
50530490	80 mm	45 x 45 mm
50530495	80 mm	47 x 47 mm



### IP65 LED MACHINE LIGHT (FLAT TYPE)

Made of hard anodized aluminum with integrated thermal management for long service life. Work temp: -18 - + 45°C. Color temperature: 4000K.

Item no.	Power	Length	Power consump.
50530420	24V DC	280 mm	8W
50530465	24V DC	580 mm	20W



### LED MACHINE LIGHTBAR IP65

For fixed mounting with brackets, horizontal/vertical on machines. The lamphouse is fitted with hardened glass and is made of hard anodized aluminum. Working temperature: -20 to + 40° C.

Item no.	Power	Length	Power consumption
50530325	24V DC	400 mm	12 W
50530340	230 V AC	400 mm	12 W
50530355	24V DC	600 mm	16 W
50530370	20 V AC	600 mm	16 W

### FIND THE RIGHT LED BULB

Color rendering (CRI)	Lumen	Kelvin
Color rendering tells how good the light reproduces color. Daylight has a CRI of 100, a incandescent bulb have 99. LED bulbs can typically comes from 80 and 97 CRI.	Lumen tells how much light a bulb provides. Should you use something that matches the old 40 watt light bulb, choose a bulb that gives 470 lumens.	A warm light is at 2400-2900 Kelvin, which corresponds to an incandescent bulb. The higher the number is, the whiter and more bluish the light is - and the lower the number is, the more red and yellow is the light. LEDs are made from 2000 to 8000 Kelvin.

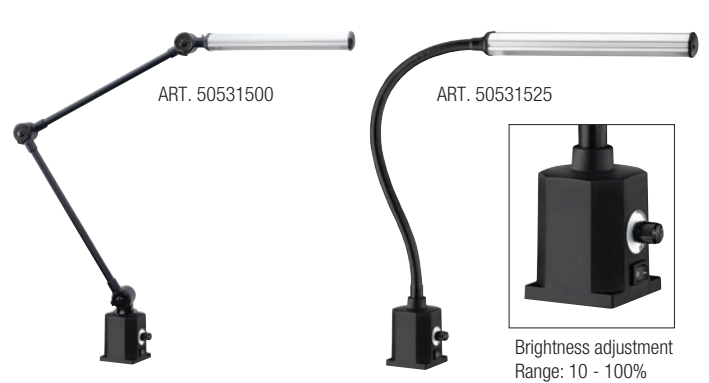




### LED MACHINELIGHT WITH FLEX ARM

IP65. Adjustable focus.

Item no.	Volt	Power consumption
50531310	24V DC	3W
50531320	230V AC	3W



### LED LAMP

Aluminum lamp head. Choose between clamp, lock or magnetic base.  
Color: black or silver.

Item no.	Volt	Power consumption	Arm length	Arm
50531500	230V AC	14W	400 + 400 mm	Articulated
50531525	230V AC	3W	700 mm	Flex



### LED MACHINELIGHT WITH FLEX ARM

IP65. Consist of 3 LED bulbs (1W). With 30° and 60° lighting angle.

Item no.	Volt	Power consumption
50531410	24V DC	3W
50531420	230V AC	3W



### LED MACHINE STRIP LIGHT

IP67. Consist of 12 bulbs (2W). 40°, 60° or 90° lighting angle.  
40.000 lighting hours.

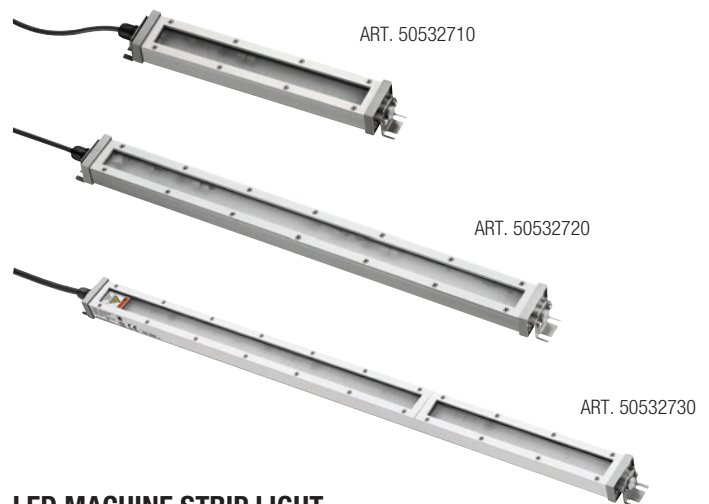
Item no.	Volt	Power consumption	Length
50532610	24V DC	24W	515 mm
50532620	230V AC	24W	515 mm



### LED MACHINELIGHT

IP65. Consist of 3 LED bulbs (1W). With 30° and 60° lighting angle.

Item no.	Volt	Power consumption	Arm length
50531430	24V DC	12W	400 + 400 mm
50531440	230V AC	12W	400 + 400 mm
50531470	24V DC	12W	400 + 400 mm
50531485	230V AC	12W	400 + 400 mm



### LED MACHINE STRIP LIGHT

IP67. Color temperature: 5600 - 6000K. 120° lighting angle.  
40.000 lighting hours.

Item no.	Volt	Power consumption	Length
50532710	24V DC	14W	350 mm
50532720	24V DC	28W	640 mm
50532730	24V DC	42W	930 mm





# Welding





- ART. 35120150      ● ART. 35120145
- ART. 35120155      ● ART. 35120160

### WELDING HELMET AUTO DARKENING

Automatic welding helmet with adjustable shade level DIN9-13. Light and comfortable welding helmet with good visibility (100x49 mm). Made of impact-resistant polyamide nylon. Outside, stepless adjustment of shading level DIN9-13, inside adjustment of the sensitivity and delay. 2 sensors, self rechargeable solar panel that extends battery life (2 pcs. battery backup).

Weight: 490 g. Power: Solar cell/battery

Item no.
35120145
35120150
35120155
35120160



ART. 35120166



ART. 35120169

### FRONT COVER LENS FOR WELDING HELMET

Item no.	Measurement	Type	Fit model
35120166	120 x 94/99 mm	External	35120xxx
35120169	104 x 55 mm	Internal	35120xxx



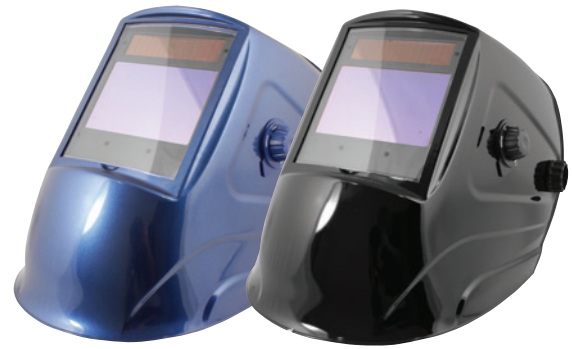
ART. 35122083



ART. 35122086

### FRONT COVER LENS FOR WELDING HELMET

Item no.	Measurement	Type	Fit model
35122083	133 x 114 mm	External	35122060 + 35122075
35122086	104 x 70 mm	Internal	35122060 + 35122075



- ART. 35122075      ● ART. 35122060

### PROF. WELDING HELMET AUTO DARKENING

Professional welding helmet with grinding function and DIN5-13 shade level. Light and comfortable welding helmet with high visibility. Made of impact-resistant polyamide nylon. Outside, stepless adjustment of shading level DIN5-13 and grinding function, inside adjustment of the sensitivity and delay. 4 sensors, self rechargeable solar panel that extends battery life (2 pcs. battery backup). Weight: 495 g. Power: Solar cell/battery. Clips for mounting of magnifying glass.

Item no.
35122075
35122060



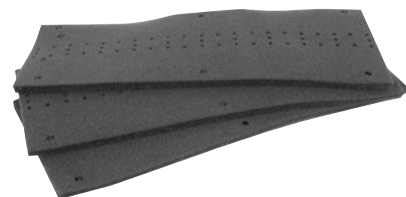
ART. 35120172



ART. 35122089

### HEADBAND FOR WELDING HELMET

Item no.	Fit model
35120172	ART. 351201xx
35122089	ART. 35122xxx



### SWEATBAND FOR WELDING HELMET

Item no.	Fit model	Quantity
35120175	ART. 351201xx	10 pcs



### MAGNIFYING GLASS FOR WELDING HELMET

For internal use in prof. welding helmet (ART 35122075 + ART. 35122060).

Item no.	Dimension	Strength	Fits model
35122100	51 x 108 mm	+1,0	ART 35122xxx
35122105	51 x 108 mm	+1,5	ART 35122xxx
35122110	51 x 108 mm	+2,0	ART 35122xxx
35122115	51 x 108 mm	+2,5	ART 35122xxx



### LOCKING PLIER WITH TIP PLATE JAWS

Chrom-vanadium, wide arms can reach over or around most obstructions. The movable pressure pads conform automatically to the shape of the workpiece.

Item no.	Length	Max. clamping
35133012	5"/125 mm	20 mm
35133015	6"/150 mm	30 mm
35133028	11"/280 mm	80 mm
35133045	18"/450 mm	90 mm



### LOCKING PLIER WITH LONG STRAIGHT JAW

Chrom-vanadium, long heavy-duty gripping nose provides excellent control and reach for work in confined spaces.

Item no.	Length	Max. clamping
35134012	5"/125 mm	40 mm
35134015	6"/150 mm	40 mm
35134021	9"/210 mm	50 mm



### LOCKING PLIER WITH STRAIGHT JAW

Chrom-vanadium, straight jaws give an excellent grip.

Item no.	Length	Max. clamping
35131417	7"/175 mm	25 mm
35131424	10"/240 mm	32 mm



### LOCKING PLIER WITH WIDE JAWS

Extra strong and wide jaws, pressure is applied evenly along the entire front edge, perfect for bending small pieces of sheet metal.

Item no.	Length	Max. clamping	Jaw width
35137020	8"/200 mm	35 mm	50 mm



### LOCKING PLIER WITH CURVED JAWS

Chrom-vanadium, curved jaws give an excellent grip, especially on round objects.

Item no.	Length	Max. clamping
35132012	5"/125 mm	30 mm
35132017	7"/175 mm	40 mm
35132024	10"/240 mm	50 mm



### LOCKING PLIER WITH STRAIGHT JAWS

Chrome plated, straight jaws give an excellent grip.

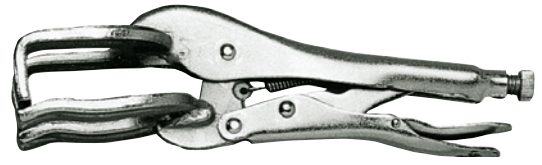
Item no.	Length	Max. clamping
35142012	5"/125 mm	20 mm
35142017	7"/175 mm	25 mm
35142024	10"/240 mm	32 mm



### LOCKING PLIER WITH CURVED JAWS

Chrome plated, curved jaws give an excellent grip, especially on round objects.

Item no.	Length	Max. clamping
35143017	175 mm	25 mm
35143024	240 mm	32 mm



### LOCKING PLIER W. DOUBLE JAWS

Chrome plated, ideal for holding two items side by side for welding.

Item no.	Length	Max. clamping
35147028	10"/280 mm	44 mm



### LOCKING PLIER WITH TIP PLATE JAWS

Chrome plated, can be attached to a workbench, or machine bed with a T-slot, takes up very little space on the workpiece, also excellent clamping tool for drilling, fitting, glueing or welding jigs, for T-slot M8-M10-M12.

Item no.	Length	Max. clamping
35144024	240 mm	90 mm
35144038	Spring for ART. 35144024	



### LOCKING PLIER WITH DOUBLE LOCK

Nickel plated carbon steel, double rubber handles for increased comfort/grip, can range over most obstacles. The movable pressure pads conform automatically to the shape of the workpiece and distribute pressure evenly, pressure pads protect vulnerable surfaces. Jaw type: tip plate.

Item no.	Length	Max. clamping
35150525	250 mm	55 mm



### LOCKING PLIER WITH TIP PLATE JAW

Chrome plated, wide arms can reach over or around most obstructions. The movable pressure pads conform automatically to the shape of the workpiece and distribute pressure evenly, pressure pads protect vulnerable surfaces.

Item no.	Length	Max. clamping
35145028	11"/280 mm	80 mm



### LOCKING PLIER WITH DOUBLE LOCK

Nickel plated carbon steel, double rubber handles for increased comfort/grip, long gripping nose provides excellent control and reach for work in confined spaces. Jaw type: straight.

Item no.	Length	Max. clamping
35151018	185 mm	40 mm



### LOCKING PLIER WITH POINTED JAWS

Chrome plated, clamp even on the smallest or most awkward surfaces. The ends of the jaws are pointed a little forward, giving the possibility to clamp closely up against a flat surface.

Item no.	Length	Max. clamping
35146028	11"/280 mm	110 mm

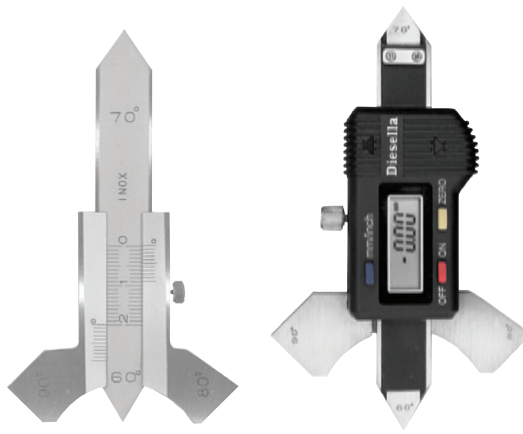


### LOCKING PLIER WITH DOUBLE LOCK

Nickel plated carbon steel, double rubber handles for increased comfort/grip, curved jaws give an excellent grip, especially on round objects. Jaw type: curved.

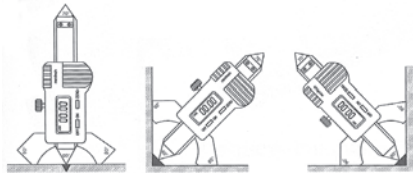
Item no.	Length	Max. clamping
35152015	150 mm	25 mm
35152020	200 mm	40 mm
35152022	225 mm	45 mm





ART. 35160125

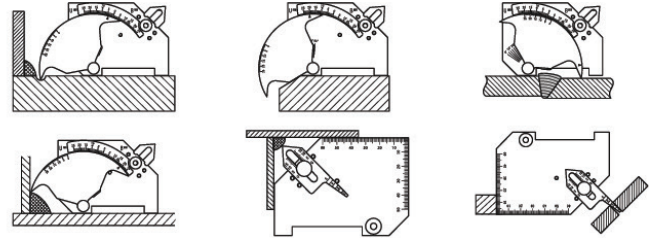
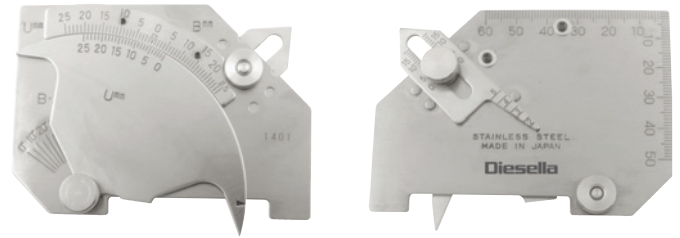
ART. 35161250



### WELDING SEAM CONTROL

For control of 60° - 70° - 80° - 90° welding seams, satin Chrome plated.

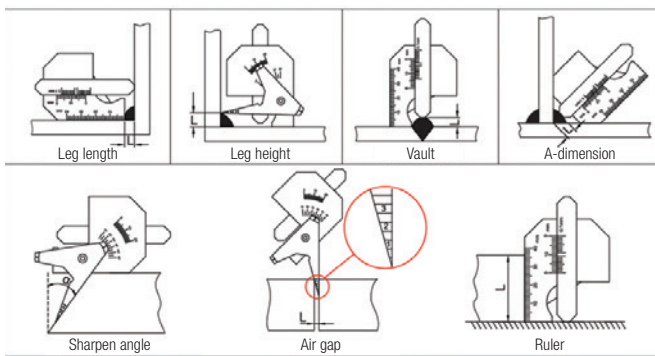
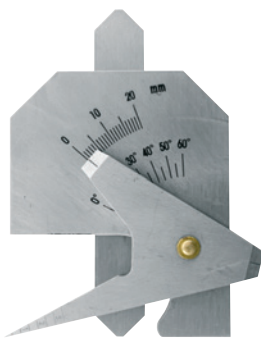
Item no.	Range	Resolution
35160125	0 - 20,0 mm	0,1 mm
35161250	0 - 25,0 mm	0,01 mm
10238500	Battery SR44Q 1,5 V	



### WELDING GAUGE CAM-TYPE (MODEL E)

Stainless universal welding to control of welds. This can also be used to check welds with "notched error" remove carbon or mechanically removed, weakened material. Used at ship and bridge constructions.

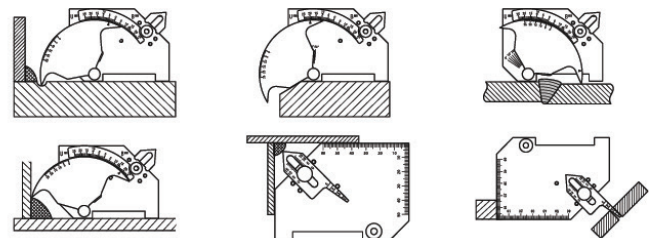
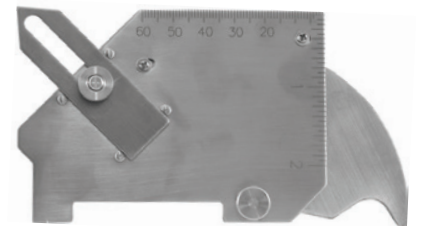
Item no.	Undercut depth	Beveling angle	Height of bead weld
35162320	0 - 25 mm	0 - 60°	25 mm



### WELDING GAUGE KL-2 (MODEL D)

An essential tool for rapidly checking the dimensions of weld preparations, butt welds and fillet welds. Made of stainless steel, parallax-free scales graduated in metric and imperial units.

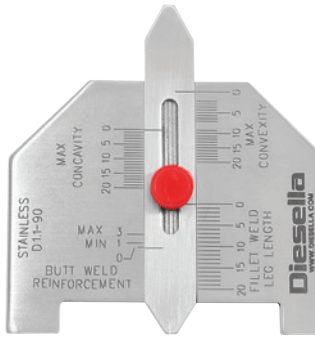
Item no.	Fillet weld throat	Weld height	Angle of preparation
35162265	0 - 20 mm	0 - 40 mm	0° - 60°
35162280	Incl. certificate		



### WELDING GAUGE BRIDGE CAM-TYPE (MODEL E2)

Stainless universal welding to control of welds. This can also be used to check welds with "notched error" remove carbon or mechanically removed, weakened material. Used at ship and bridge constructions.

Item no.	Beveling angle	Height of fillet weld	Root Openings
35162335	0 - 60°	0 - 25 mm	2 - 5 mm



**AUTOMATIC WELD SIZE GAUGE (MODEL H)**

Stainless automatic weld size gauge for checking concave or convex welds.

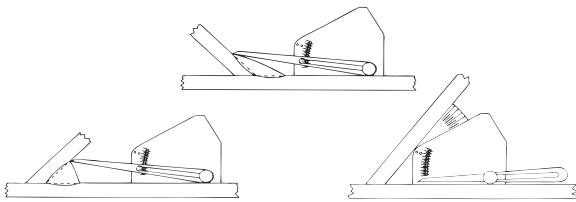
Item no.
35162345



**FAN-SHAPED WELDING GAUGE (MODEL G)**

Stainless welding gauge with "A" scale for control of concave and "B" scale for control of convex welds. Scale "C" for the control of the skewed seam.

Item no.
35162340



**SKEW-T FILLET WELDING GAUGE WITH CALCULATOR (MODEL F)**

Stainless welding gauge, for control of welds in angle structures 30-150 gr. and protractor 30-90 gr.

Item no.
35162338



**7 PCS. WELD FILLET GAUGE (MODEL K)**

Stainless welding fillet gauge with 7 blades, 28 sizes clearly engraved marking for control of convex and concave welds.

Item no.
35162360



**HI-LOW WELDING GAUGE (MODEL I2)**

Stainless hi-low welding gauge 0-35 mm, air gap 1,6 and 2,4 mm. With a high foot for control of edge displacement, mm and inch scale.

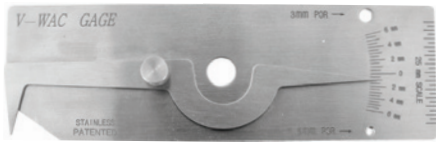
Item no.
35162353



**HI-LOW SINGLE PURPOSE WELDING GAUGE (MODEL I)**

With the gap dimension. For measurement of edge displacement (inside) 0-30 mm and control of air gap from 0,6 to 4 mm.

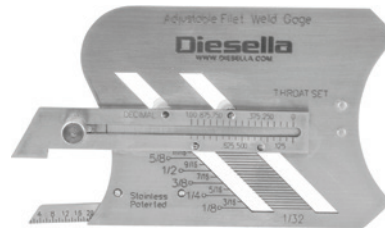
Item no.
35162350



### WELDING GAUGE V-WAC (MODEL J)

Stainless welding gauge (over / under the collar) and edge displacement measuring range  $\pm 0-6$  mm. 25 mm ruler, for the measurement, as well as 1,5 and 3,0 mm holes for comparing of the pore holes.

Item no.  
35162355



### HI-LOW WELDING GAUGE (MODEL K2)

Adjustable. Stainless welding gauge with "inch" scale for measuring the weld leg length 1/8 "to 1".

Item no.  
35162363



### WELDING SEAM CONTROL 12 BLADES (MODEL A)

For control of the A-seam dimension from 4 - 12 mm 90° angles.

Item no.  
35163270



### PIT WELDING GAUGE (MODEL L)

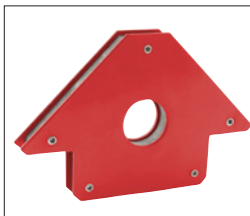
Adjustable. Stainless welding gauge for the control of undercuts 0-2 mm.

Item no.  
35162370

	Max. operating temperature °C	Corrosion resistance uncoated	Resistance to demagnetization
Ferrit	250	Very high	High
Alnico	550	Good	Low
Neodymium	80*	Bad	Very high

\* Only class N35. Other classes are reached up to 230°C.

## FOR WELDING MAGNETS, SEE NEXT CHAPTER



Welding magnet



Welding magnet



Welding magnet with on/off function



Welding magnet



Shallow pot magnet



Shallow pot magnet



Cylindrical pot magnet



Button magnet



Horseshoe magnet



Horseshoe magnet





ART. 20149535



ART. 20149520

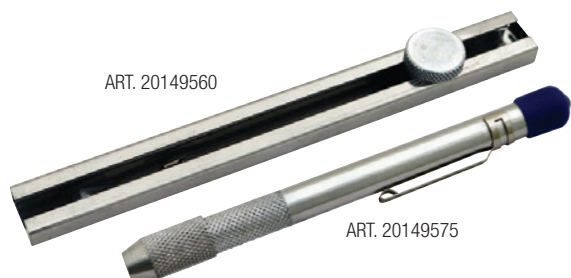


ART. 20149535

### SOAPSTONE CHALK

For marking on metal and steel, welding and cutting up to 2000 degrees visible with welding glass.

Item no.	Size	Form	Packing
20149520	10 x 10 x 100 mm	Square	50 pcs
20149535	127 x 12,7 x 4,8 mm	Flat	144 pcs
20149550	125 x Ø6,4 mm	Round	144 pcs



ART. 20149560

ART. 20149575

### HOLDER FOR SOAPSTONE CHALK

Item no.	Dimensions on chalk	Type
20149560	127 x 12,7 x 5 mm	Flat
20149575	125 x Ø6,4 mm	Round



### PROFI MARKER WELDING SET

Professional marking set for especially steel industry. Supplied with red pins for normal marking and "soapstone pins" for marking by welding work. Incl. 2 pencils and 10 soapstones and 5 red + 2 in pencils.

Item no.	Colour	Material	Pack size
20149425	● ○	Metal pencil	1 set



### RED LEAD REFILLS (5 PCS.)

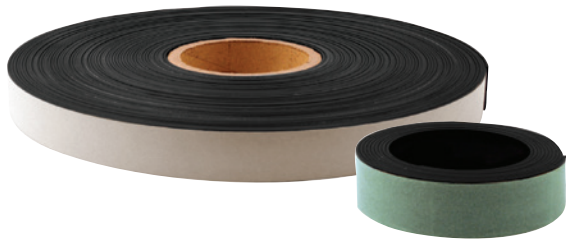
For Profi-Marker welding set.

Item no.	Colour	Material	Pack size
20149430	●	Crayon (-20 - +30°)	1 set
2014435	○	Soapstone (up to 2000°)	1 set



# Magnets





### FLEXIBLE MAGNETIC TAPE

A flexible and inexpensive solution which can be used for signage, labeling of storage racks etc.

Thickness: 1,5 mm.

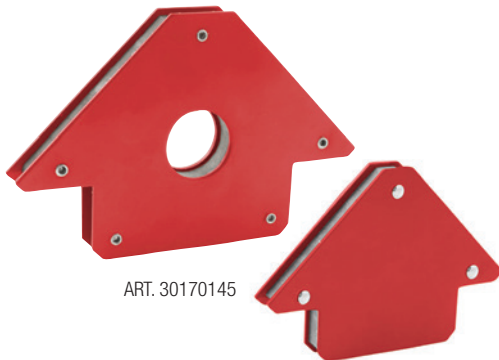
Item no.	Standard	Adhesive backing	Length	Width
30128100	X		3 m	25 mm
30128105		X	3 m	25 mm
30128310	X		30 m	25,4 mm
30128320		X	30 m	25,4 mm



### WELDING MAGNET WITH ON/OFF SWITCH 45°/90° ANGLES.

For quick and easy clamping of cylindrical tubes and square tubes at angles of 45° and 90°. Ideal for welding and assembly work.

Item no.	Length	Height	Width	Holding force
30170315	95 mm	110 mm	25 mm	125N / 12 kg
30170330	150 mm	150 mm	32 mm	245N / 25 kg



ART. 30170145

ART. 30170140

### WELDING MAGNET

For flat and round materials, 45°, 90° and 135° angles.

Item no.	Length	Height	Width	Magnetic traction
30170140	120 mm	83 mm	14 mm	110N / 11 kg
30170145	156 mm	102 mm	18 mm	220N / 22 kg
30170150	135 mm	125 mm	25 mm	330N / 33 kg



ART. 30171190

ART. 30171295

### WELDING MAGNET

ART. 30171190: 90° angle.

ART. 30171295: Adjustable angle 90°-45° (75°, 60°, 45°).

Item no.	Magnet dim. (LxWxH)	Width	Force	Weight
30171190	140 / 140 mm	20 mm	390N / 40 kg	1,5 kg
30171295	140 / 140 mm	20 mm	390N / 40 kg	1,5 kg



ART. 30170160

ART. 30170155

### WELDING MAGNET

For flat and round materials, 30°, 45°, 60°, 75° and 90° angles.

Item no.	Length	Height	Width	Magnetic traction
30170155	95 mm	64 mm	14 mm	110N / 11 kg
30170160	98 mm	65 mm	16 mm	220N / 22 kg
30170165	145 mm	110 mm	25 mm	330N / 33 kg



ART. 30172120

ART. 30172140

### MAGNETIC TORCH REST

Used for fixing the welding pistol when it is not in use.

Item no.	Type	Magnet	Total height
30172120	TIG	Ø85 mm	145 mm
30172140	MIG	Ø85 mm	145 mm

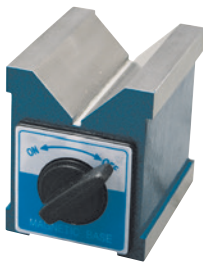




### PERMANENT MAGNET BLOCK

Adjustable magnetic welding clamp can hold components at any angle for welding and assembly. Ideal for use where space is restricted. Both units can be locked at any angle by adjusting wingnuts. Dim. per block: 60x25x25 mm.

Item no.	Magnet measures	Weight	Force
30174127	60 x 25 x 25 mm	0,65 kg	118N / 12 kg



ART. 30175070



ART. 30175120

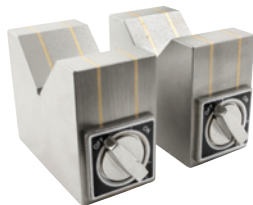
### PRISME MAGNET 90°

On/off function.

Item no.	Dimension (LxWxH)	Diameter max.	Clamping force	Weight
30175070	70 x 60 x 70	Ø 5 - 50 mm	58 kg	1,8 kg
30175120	100 x 70 x 95	Ø 5 - 60 mm	117 kg	4,0 kg



ART. 30175270

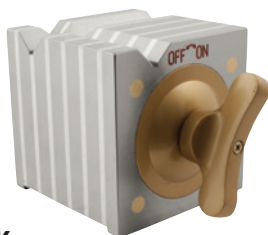


ART. 30175285

### MAGNETIC V-BLOCK

With on/off function (2 pcs.). Steel-brass.

Item no.	Dimension (LxWxH)	Quantity
30175270	72 x 40 x 50 mm	2 (1 pair)
30175285	100 x 50 x 80 mm	2 (1 pair)



### MAGNETIC BLOCK

With on/off function (50 kg).

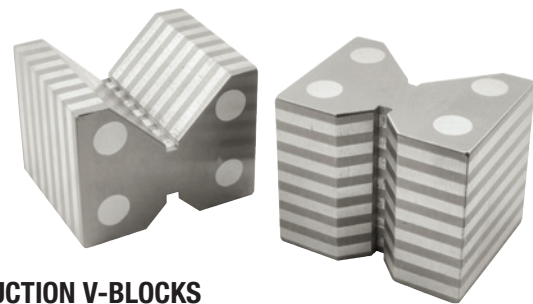
Item no.	Dimension (LxWxH)	Parallelitie	Accuracy	Quantity
30175300	100 x 100 x 100 mm	0,01 / 100 mm	0,02 mm	1



### INDUCTION BLOCKS

100 x 50 x 25 mm in set. Steel-aluminium combined.

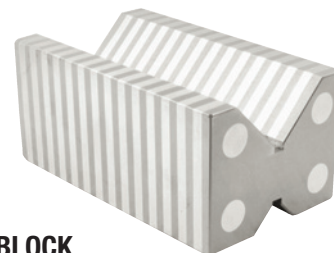
Item no.	Dimension (LxWxH)	Quantity	Weight
30175410	100 x 50 x 25 mm	2 pcs (1 pair)	0,6 x 2 kg



### INDUCTION V-BLOCKS

50 x 58 x 46 mm in set. Steel-aluminium combined.

Item no.	Dimension (LxWxH)	Quantity	Weight
30175425	100 x 58 x 46 mm	2 pcs (1 pair)	0,6 x 2 kg



### INDUCTION V-BLOCK

Steel-aluminium combined.

Item no.	Dimension (LxWxH)	Quantity	Weight
30175440	100 x 58 x 46 mm	1 pc	1,2 kg



### FERRIT POT MAGNET

Zinc housing with strong magnetic force. Withstands temperatures up to 120°.

Item no.	Ø diameter	Pot height	Hole diameter	Force
30176225	25 mm	7,0 mm	5,5 mm	35N / 3,6 kg
30176240	40 mm	8,0 mm	5,5 mm	85N / 9,0 kg
30176050	50 mm	10,0 mm	M6	170N / 17 kg
30176063	63 mm	14,0 mm	M8	350N / 35 kg
30176080	80 mm	18,0 mm	M8	550N / 55 kg
30176085	80 mm	18,0 mm	M10	550N / 55 kg



### FERRIT POT MAGNET WITH THREADED HOLE

Zinc housing with strong magnetic force.  
Withstands temperatures up to 120°.

Item no.	Ø dia.	Pot height	Total height	Thread size	Force
30176116	16 mm	4,5 mm	11,5 mm	M3	15N / 1,8 kg
30176125	25 mm	7 mm	15 mm	M4	35N / 4,0 kg
30176132	32 mm	7 mm	15 mm	M4	75N / 8,0 kg
30176140	40 mm	8 mm	18 mm	M5	110N / 12,5 kg
30176150	50 mm	10 mm	22 mm	M6	200N / 22,0 kg
30176163	63 mm	14 mm	30 mm	M8	320N / 35,0 kg
30176180	80 mm	18 mm	34 mm	M10	570N / 60,0 kg
30176200	100 mm	22 mm	43 mm	M12	875N / 90,0 kg



### CYLINDRICAL POT MAGNET

Withstands high temperatures (Alnico).  
With threaded hole.

Item no.	Ø dia.	Height	Thread	Force
30178095	9,5 mm	15 mm	M3	9,5N / 1 kg
30178127	12,7 mm	15,9 mm	M4	19N / 2 kg
30178175	17,5 mm	16 mm	M6	28N / 3 kg
30178205	20,5 mm	19 mm	M6	38N / 4 kg
30178270	27,0 mm	25 mm	M6	57N / 6 kg
30178350	35,0 mm	30 mm	M6	135N / 14 kg
30178450	45,0 mm	30 mm	M8	240N / 25 kg
30178500	50,0 mm	40 mm	M8	195N / 20 kg
30178550	55,0 mm	14 mm	M8	7,5 kg
30178650	65,0 mm	20 mm	M8	12 kg



### SHALLOW POT MAGNET

With M10 mm threaded hole.

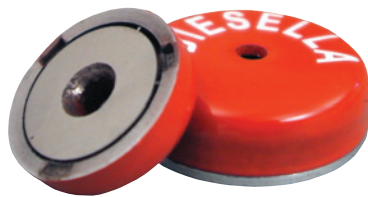
Item no.	Diameter	Height	Ø hole	Force
30176800	80 mm	20 mm	M10	585N / 60 kg



### NEODYMIUM POT MAGNET

Countersunk screw hole. Withstands temperatures up to 80°.

Item no.	Ø dia. mm	Height mm	Screw hole	Screw head	Pull force	Max. working temp.
30178616	16,0	4,5 mm	3,5 mm	M3	72N / 7,5 kg	80° C
30178620	20,0	6 mm	4,5 mm	M4	100N / 10,5 kg	80° C
30178625	25,0	7 mm	4,5 mm	M4	150N / 16,0 kg	80° C
30178632	32,0	7 mm	5,5 mm	M5	300N / 31,0 kg	80° C
30178640	40,0	8 mm	5,5 mm	M5	480N / 50, kg	80° C



### SHALLOW POT MAGNET

Withstands temperatures up to 550° (Alnico).  
High magnetic force for thin materials.

Item no.	Diameter	Height	Ø hole	Force
30177190	19,0 mm	7,75 mm	3,50 mm	29N / 3,0 kg
30177285	28,5 mm	8,75 mm	4,75 mm	49N / 5,0 kg
30177380	38,0 mm	10,50 mm	4,75 mm	127N / 13,0 kg



### BUTTON MAGNET

Withstands temperatures up to 550° (Alnico). Can be used as an indicator base, magnetic collector, tool holder etc.

Item no.	Ø dia. mm	Height mm	Ø hole mm	Pole width	Force
30179110	12,7	9,5	4,5	4,0 - 7,2 mm	0,7 kg
30179120	19,1	12,7	4,8	5,6 - 8,7 mm	1,9 kg
30179130	22,2	19,1	4,8	6,4 - 6,8 mm	3,0 kg
30179140	25,4	15,9	4,8	5,6 - 8,7 mm	3,4 kg
30179150	31,8	25,4	7,1	8,0 - 12,7 mm	4,8 kg

	Max. operating temp. °C	Corrosion resistance uncoated	Resistance to demagnetization
Ferrit	250	Very high	High
Alnico	550	Good	Low
Neodymium	80*	Bad	Very high

\* Only class N35. Other classes are reached up to 230°C.



### HORSESHOE POT MAGNET

Withstands temp. up to 550° (Alnico)  
Large magnetic force relative to its weight and size.

Item no.	Length mm	Width mm	Height mm	Ø hole mm	Pole width mm	Force
30179240	30,0	20,0	20,0	Ø4,0	15,0	49N / 5,0 kg
30179250	40,0	25,0	25,0	Ø5,0	20,0	90N / 9,2 kg
30179260	45,0	30,0	30,0	Ø5,0	23,0	118N / 11,8 kg
30179270	57,0	40,5	35,0	2 x Ø7,9	27,8	250N / 25,0 kg



### HORSESHOE POT MAGNET

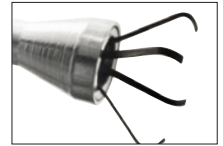
Withstands temperatures up to 550° (Alnico).  
Very useful for "fishing" up small metal objects

Item no.	Length	Width	Height	Pole width	Force
30179380	22,2 mm	8,2 mm	25,4 mm	6,7 mm	24N / 2,4 kg
30179390	27,0 mm	15,9 mm	35,0 mm	7,9 mm	4,0 kg



ART. 30278425

Item no.	Lifting cap. flat workpieces	Lifting cap. round workpieces	Ø min/max	Length	Width	Height	Weight
30274150	150 kg	65 kg	40 / 100 mm	93 mm	60 mm	120 mm	3 kg
30274300	300 kg	150 kg	60 / 200 mm	152 mm	100 mm	180 mm	10 kg
30274600	600 kg	300 kg	65 / 270 mm	246 mm	120 mm	180 mm	21 kg
30274775	1000 kg	500 kg	100 / 300 mm	306 mm	146 mm	236 mm	40 kg
30274855	2000 kg	1000 kg	150 / 350 mm	478 mm	165 mm	273 mm	90 kg
30278425	90 kg	35 kg	-	160 mm	150 mm	27 mm	1,4 kg



### FLEXIBLE PICK-UP TOOL W. MAGNET

Item no.	Length	Holding force
30184010	620 mm	Max. 2 kg



### FLEXIBLE PICK-UP WITH MAGNET AND LED LIGHT

Item no.	Length	Holding force
30184012	635 mm	Max. 2 kg



ART. 30185190

ART. 30185210

ART. 30185200

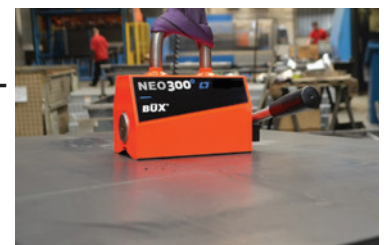
ART. 30185150

### MAGNETIC CHIPS PICK UP WITH QUICK-RELEASE

Item no.	Length	Lifting capacity
30185150	400 mm	6 kg
30185190	690 mm	11 kg
30185200	240 mm (Ø125 mm)	15,5 kg
30185210	685 mm (Ø90 mm)	13,5 kg

### PERMANENT MAGNETIC LIFTING MAGNETS FOR FLAT AND ROUND WORKPIECES

These lifting magnets have a rated lift capacity up to 2000 kg for flat material and 1000 kg for rounds.



(\* model 150 - 1000 kg).



SEE MORE INFORMATION ABOUT THESE PRODUCTS  
ON OUR WEBSITE WWW.DIESELLA.DK

## PERMANENT MAGNET CHUCK FOR MILLING

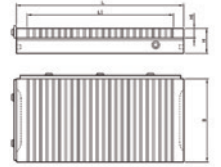
Clamping for heavy machining operation.

### Features:

- Pole pitch 4 mm brass + 11 mm steel.
- Highest clamping force up to 180N/cm<sup>2</sup>.
- Low magnetic field concentrated over the top plate without stray fields and no magnetization of the tool.
- Coolant and water proof structure.
- Very light switching force.
- High precision and low remaining magnetism.



\* On stock.



Item no.	Size	Item no.	Size	Item no.	Size	Item no.	Size
* 30350210	150 x 250 mm	* 30350240	200 x 400 mm	30342320	250 x 350 mm	30342410	300 x 500 mm
30342150	150 x 300 mm	30342250	200 x 450 mm	30342330	250 x 400 mm	30342425	300 x 600 mm
* 30350225	150 x 350 mm	* 30350255	200 x 500 mm	30342340	250 x 450 mm	30342430	400 x 400 mm
30342210	150 x 450 mm	* 30350270	200 x 600 mm	30342350	300 x 300 mm		
30342220	200 x 300 mm	30342310	250 x 300 mm	30342360	300 x 400 mm		

## PERMANENT MAGNETIC CHUCK

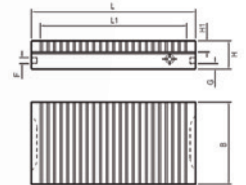
For clamping of small and thin workpiece.

### Features:

- PMF with pole pitch 0.5 brass + 1.5 mm steel.  
(pitch 1+3 mm also possible)
- Highest uniform clamping force up to 120N/cm<sup>2</sup>.
- Coolant and water proof structure.
- Very light switching force.
- High precision and low remaining magnetism.



\* On stock.



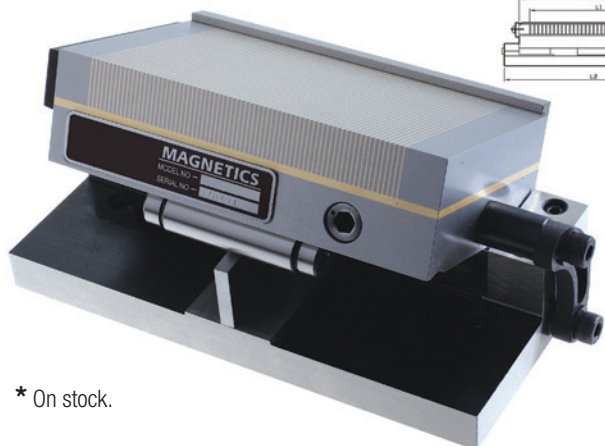
Item no.	Size	Item no.	Size	Item no.	Size	Item no.	Size
30315125	70 x 130 mm	* 30349105	150 x 300 mm	30315500	200 x 500 mm	30315565	300 x 300 mm
30315175	100 x 175 mm	30315350	150 x 350 mm	30315525	200 x 600 mm	30315570	300 x 400 mm
30315200	100 x 250 mm	* 30391120	150 x 400 mm	30315530	200 x 630 mm	30315575	300 x 500 mm
30315225	130 x 250 mm	30315425	150 x 450 mm	30315540	250 x 350 mm	* 30349150	300 x 600 mm
30315250	130 x 400 mm	30315450	200 x 300 mm	30315545	250 x 400 mm	30315610	300 x 630 mm
30315255	140 x 260 mm	30315460	200 x 350 mm	* 30349135	250 x 450 mm	30315620	400 x 600 mm
30315275	150 x 150 mm	30315475	200 x 400 mm	30315550	250 x 500 mm		
30315300	150 x 250 mm	30315485	200 x 450 mm	30315560	250 x 630 mm		

## PRECISION SINE TABLE

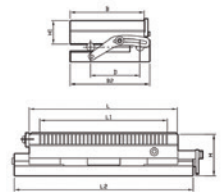
Clamping for grinding, EDM and measuring angle accuracy.

### Features:

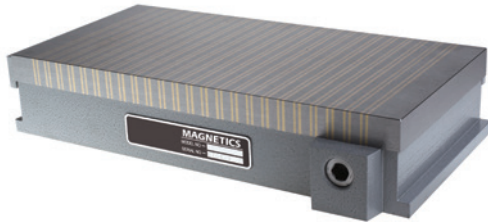
- Pole pitch 0,5 + 1,5 mm (brass/steel).
- Highest clamping force up to 120N/cm<sup>2</sup>.
- Single piece, hardened (HRC60), precision ground base offering extreme rigidity.
- Stable locking of chuck with slotted link on the side.
- Maximum angular accuracy +/- 0,5"
- Parallelism: +/- 0,002mm/100mm. Angle range: 0-45 degree.



\* On stock.



Item no.	Size	Item no.	Size	Item no.	Size
30320140	70 x 130 mm	30320255	150 x 250 mm	* 30355630	150 x 450 mm
* 30355600	100 x 175 mm	30320300	150 x 300 mm	* 30355640	200 x 500 mm
30320225	130 x 250 mm	* 30355620	150 x 350 mm		
* 30355610	150 x 150 mm	30320400	150 x 400 mm		



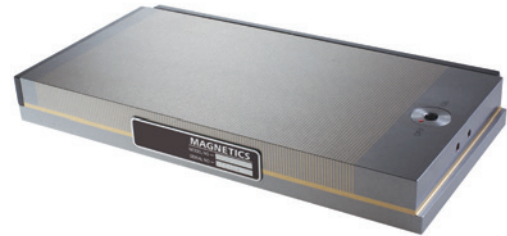
### PERMANENT MAGNETIC CHUCK

Clamping for grinding and light milling.

#### Features:

- Pole pitch 1.5 mm brass + 2 mm steel + 1.5 mm brass + 6 mm steel.
- Highest clamping force up to 160N/cm<sup>2</sup>.
- Much more uniform magnetic holding power.
- Coolant and water proof structure.
- Very light switching force.
- High precision and low remaining magnetism.

Item no. from  
**30316125**  
**70 x 130 mm**  
to  
**30316320**  
**250 x 630 mm**



### PERMANENT MAGNETIC CHUCK

For spark erosion and precision grinding of small and thin workpieces.

#### Features:

- Pole pitch 0.5 + 1.5 mm.
- Highest clamping force up to 120N/cm<sup>2</sup>.
- Low height and switching from above.
- Suitable for adaption on zero reference system.
- Lav magnetfelt, højde 6 mm og uden magnetspredningsfelter.
- Low magnetic field height of 6 mm and the absence of stray magnetic fields.
- Allow sparking operations close to the chuck surface and easy cleaning and adding to the overall accuracy.

Item no. from  
**30317105**  
**70 x 130 mm**  
to  
**30317300**  
**300 x 400 mm**

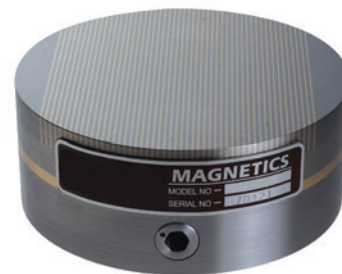


### PALLET CHUCK

#### Features:

- Pole pitch 0,5 mm brass + 1,5 mm steel.
- Highest clamping force up to 120N/cm<sup>2</sup>.
- Without stray fields and no magnetization of the tool.
- High precision and low magnetic field.
- Very light switching force.
- High accuracy guaranteed through usage.

Item no. from  
**30345240**  
**240 x 240 mm**  
to  
**30345440**  
**320 x 320 mm**



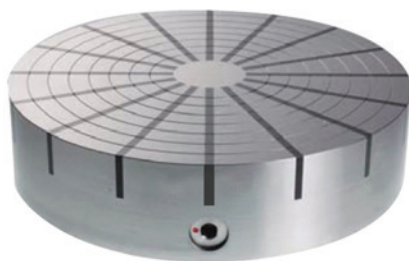
### CIRCULAR PERMANENT MAGNET

Clamping for grinding.

#### Features:

- Pole pitch 1,0 mm brass/ 3,0 mm steel.
- Highest clamping force up to 120N/cm<sup>2</sup>.
- Suitable for small and thin workpieces.
- Low height and light weight.
- High precision and low remaining magnetism.

Item no. from  
**30312100**  
**Ø100 mm**  
to  
**30312600**  
**Ø600 mm**



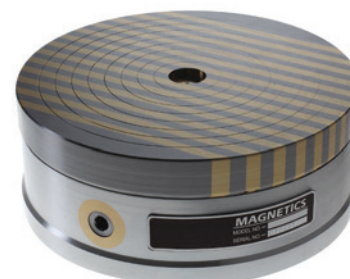
### CIRCULAR PERMANENT MAGNETIC CHUCK

Clamping for grinding and turning. Mainly on circular workpieces.

#### Features:

- Highest clamping force up to 180N/cm<sup>2</sup>.
- On request, the magnet can be delivered with center hole
- On request, the magnet can be supplied with T-slot in the top plate.

Item no. from  
**30336100**  
**Ø100 mm**  
to  
**30336600**  
**Ø600 mm**



### CIRCULAR PERMANENT MAGNETIC CHUCK

Clamping for grinding and turning.

#### Features:

- Pole pitch 5 + 8 (brass/steel).
- Highest clamping force up to 140N/cm<sup>2</sup>.
- Centre drilling of location hole is available on request.
- High precision and low remaining magnetism.

Item no. from  
**30313150**  
**Ø150 mm**  
to  
**30313550**  
**Ø700 mm**





# Cutting tools



## HOLE SAWS HSS M42 BI-METAL (8% COBALT)

Metal edge welded to alloy steel back for heavy duty cutting, variable teeth 4/6 TPI teeth. Cuts through steel, stainless steel, nail-embedded wood, hard wood floors, plywood and plastics.



Item no.	Size Ø	Size Ø	Use arbor ART.
60265014	14 mm	9/16"	60306xxx
60265016	16 mm	5/8"	60306xxx
60265017	17 mm	11/16"	60306xxx
60265019	19 mm	3/4"	60306xxx
60265020	20 mm	-	60306xxx
60265021	21 mm	13/16"	60306xxx
60265022	22 mm	7/8"	60306xxx
60265024	24 mm	15/16"	60306xxx
60265025	25 mm	1"	60306xxx
60265027	27 mm	1 1/16"	60306xxx
60265028	28 mm	1 1/8"	60306xxx
60265029	29 mm	-	60306xxx
60265030	30 mm	1 3/16"	60306xxx
60265032	32 mm	1 1/4"	60308xxx
60265033	33 mm	1 5/16"	60308xxx
60265035	35 mm	1 3/8"	60308xxx
60265037	37 mm	1 7/16"	60308xxx
60265038	38 mm	1 1/2"	60308xxx
60265040	40 mm	1 9/16"	60308xxx
60265041	41 mm	1 5/8"	60308xxx
60265043	43 mm	1 11/16"	60308xxx
60265044	44 mm	1 3/4"	60308xxx
60265046	46 mm	1 13/16"	60308xxx
60265048	48 mm	1 7/8"	60308xxx
60265051	51 mm	2"	60308xxx
60265052	52 mm	2 1/16"	60308xxx
60265054	54 mm	2 1/8"	60308xxx
60265057	57 mm	2 1/4"	60308xxx
60265059	59 mm	2 5/16"	60308xxx
60265060	60 mm	2 3/8"	60308xxx
60265062	62 mm	2 7/16"	60308xxx
60265064	64 mm	2 1/2"	60308xxx

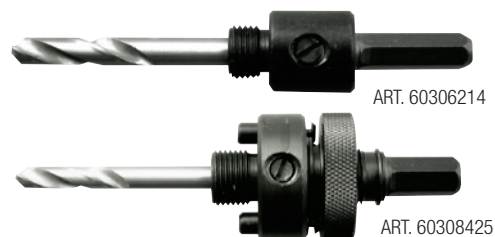
Item no.	Size Ø	Size Ø	Use arbor ART.
60265065	65 mm	2 9/16"	60308xxx
60265067	67 mm	2 5/8"	60308xxx
60265068	68 mm	2 11/16"	60308xxx
60265070	70 mm	2 3/4"	60308xxx
60265073	73 mm	2 7/8"	60308xxx
60265076	76 mm	3"	60308xxx
60265079	79 mm	3 1/8"	60308xxx
60265083	83 mm	3 1/4"	60308xxx
60265086	86 mm	3 3/8"	60308xxx
60265089	89 mm	3 1/2"	60308xxx
60265092	92 mm	3 5/8"	60308xxx
60265095	95 mm	3 3/4"	60308xxx
60265098	98 mm	3 7/8"	60308xxx
60265102	102 mm	4"	60308xxx
60265105	105 mm	4 1/8"	60308xxx
60265108	108 mm	4 1/4"	60308xxx
60265111	111 mm	4 3/8"	60308xxx
60265114	114 mm	4 1/2"	60308xxx
60265121	121 mm	4 3/4"	60308xxx
60265127	127 mm	5"	60308xxx
60265133	133 mm	5 1/4"	60308xxx
60265140	140 mm	5 1/2"	60308xxx
60265146	146 mm	5 3/4"	60308xxx
60265152	152 mm	6"	60308xxx
60265160	160 mm	6 19/64"	60308xxx
60265165	165 mm	6 1/2"	60308xxx
60265168	168 mm	6 39/64"	60308xxx
60265178	178 mm	7"	60308xxx
60265200	200 mm	7 7/8"	60308xxx
60265210	210 mm	8 1/4"	60308xxx



## HOLE SAW KITS HSS BI-METAL M42 (8% COBALT)

Combination kit. Delivered in hard, plastic case. For hole cutting in alloy and non-alloy steel, aluminum, cast iron, stainless steel, copper, bronze, wood and plastic.

Item no.	Content
60266310	1 pc. hole saw Ø 44, 56, 62, 68, 71, 76 mm. 2 pcs. arbor: 60306139 and 60306214 1 pc. adapter (ART. 60312505)
60266320	1 pc. hole saw Ø 19, 22, 25, 29, 35, 38, 44, 51, 57, 64, 76 mm 2 pcs. arbor: 60306214 and 60308413 / 1 pc. extension, 300 mm



## ARBOR

With HSS pilot drill.

Item no.	Saw diameter Ø	Shank	Thread size
60306214	14 - 30 mm	7/16"	1/2"x20UNF
60306126	14 - 30 mm	1/4"	1/2"x20UNF
60306139	14 - 30 mm	3/8"	1/2"x20UNF
60306152	14 - 30 mm	SDS	1/2"x20UNF
60308413	32 - 250 mm	7/16"	5/8"x18UNF
60308425	32 - 250 mm	3/8"	5/8"x18UNF
60308336	32 - 250 mm	5/8"	5/8"x18UNF
60308348	32 - 250 mm	SDS	5/8"x18UNF



### EJECTOR SPRING

Fits over pilot drill.

Item no.	Fit hole saw Ø
60312525	14 - 250 mm



### EXTENSION BAR

Fits: ART. 60306113 + 60308312.

Item no.	Length	Hexagon shaft
60322182	300 mm	7/16"
60322283	450 mm	7/16"



### PILOT DRILL HSS

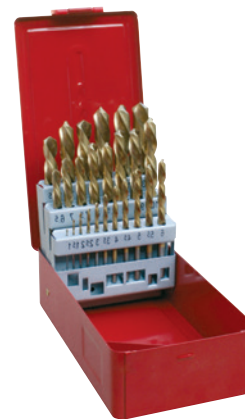
Item no.	Length	Ø diameter
60310213	76 mm	6,35 mm
60310224	105 mm	6,35 mm



### TWIST DRILLS HSS-CO IN SET

DIN338.

Item no.	Content	Quantity
60227170	1 - 10 mm x 0,5 mm	170 pcs



### STRAIGHT SHANK DRILLS IN SETS DIN338 N HSS-TING

Cross Grinded acc. to DIN1412 C. Point angle 118°.

Item no.	Content
60225910	Drill box, 1-10 mm in 0,5 mm steps
60225925	Drill box, 1-13 mm in 0,5 mm steps
60225940	Drill box excl. drills, 1-13 mm in 0,5 mm steps



### MORSE TAPER HSS MK2/MK3

Set with 9 pcs. of fully ground drills.

Item no.	MT	Content (1 pc. of each)
60242120	MK2	14, 5, 16, 18, 20, 22, 24, 26, 28,30 mm
60242130	MK3	



### TWIST DRILLS HSS-CO IN SET

DIN338.

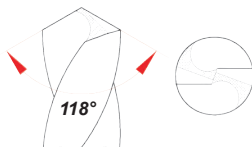
Item no.	Content
60227170	1 - 13 mm x 0,5 mm



## STRAIGHT SHANK DRILLS

DIN338, HSS - TIN coated, point angle 118°.

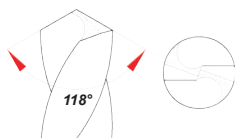
Grossgrinded acc. to DIN1412 C.



TIN = long service time, better abrasion- and heat resistance.

Item no.	Diameter	Total length	Cutting length	Packing
60225010	1,00 mm	34 mm	12 mm	10 pcs
60225014	1,20 mm	37 mm	16 mm	10 pcs
60225018	1,50 mm	40 mm	18 mm	10 pcs
60225022	1,60 mm	43 mm	20 mm	10 pcs
60225026	1,70 mm	43 mm	20 mm	10 pcs
60225030	1,75 mm	46 mm	22 mm	10 pcs
60225034	1,80 mm	46 mm	22 mm	10 pcs
60225038	1,90 mm	46 mm	22 mm	10 pcs
60225042	2,00 mm	49 mm	24 mm	10 pcs
60225046	2,10 mm	49 mm	24 mm	10 pcs
60225050	2,20 mm	53 mm	27 mm	10 pcs
60225054	2,25 mm	53 mm	27 mm	10 pcs
60225058	2,30 mm	53 mm	27 mm	10 pcs
60225062	2,40 mm	57 mm	30 mm	10 pcs
60225066	2,50 mm	57 mm	30 mm	10 pcs
60225070	2,60 mm	57 mm	30 mm	10 pcs
60225074	2,70 mm	61 mm	33 mm	10 pcs
60225078	2,75 mm	61 mm	33 mm	10 pcs
60225082	2,80 mm	61 mm	33 mm	10 pcs
60225086	2,90 mm	61 mm	33 mm	10 pcs
60225090	3,00 mm	61 mm	33 mm	10 pcs
60225094	3,10 mm	65 mm	36 mm	10 pcs
60225098	3,20 mm	65 mm	36 mm	10 pcs
60225106	3,30 mm	65 mm	36 mm	10 pcs
60225110	3,40 mm	70 mm	39 mm	10 pcs
60225114	3,50 mm	70 mm	39 mm	10 pcs
60225118	3,60 mm	70 mm	39 mm	10 pcs
60225122	3,70 mm	70 mm	39 mm	10 pcs
60225130	3,80 mm	75 mm	43 mm	10 pcs
60225134	3,90 mm	75 mm	43 mm	10 pcs
60225138	4,00 mm	75 mm	43 mm	10 pcs
60225142	4,10 mm	75 mm	43 mm	10 pcs
60225146	4,20 mm	75 mm	43 mm	10 pcs
60225154	4,30 mm	80 mm	47 mm	10 pcs
60225158	4,40 mm	80 mm	47 mm	10 pcs
60225162	4,50 mm	80 mm	47 mm	10 pcs
60225166	4,60 mm	80 mm	47 mm	10 pcs
60225170	4,70 mm	80 mm	47 mm	10 pcs
60225174	4,80 mm	86 mm	52 mm	10 pcs
60225178	4,90 mm	86 mm	52 mm	10 pcs
60225182	5,00 mm	86 mm	52 mm	10 pcs
60225186	5,10 mm	86 mm	52 mm	10 pcs
60225190	5,20 mm	86 mm	52 mm	10 pcs
60225194	5,30 mm	86 mm	52 mm	10 pcs
60225198	5,40 mm	93 mm	57 mm	10 pcs
60225202	5,50 mm	93 mm	57 mm	10 pcs
60225206	5,60 mm	93 mm	57 mm	10 pcs
60225210	5,70 mm	93 mm	57 mm	10 pcs
60225218	5,80 mm	93 mm	57 mm	10 pcs
60225222	5,90 mm	93 mm	57 mm	10 pcs
60225226	6,00 mm	93 mm	57 mm	10 pcs
60225230	6,10 mm	101 mm	63 mm	10 pcs
60225234	6,20 mm	101 mm	63 mm	10 pcs
60225238	6,30 mm	101 mm	63 mm	10 pcs
60225242	6,40 mm	101 mm	63 mm	10 pcs
60225246	6,50 mm	101 mm	63 mm	10 pcs
60225250	6,60 mm	101 mm	63 mm	10 pcs
60225254	6,70 mm	101 mm	63 mm	10 pcs
60225258	6,80 mm	109 mm	69 mm	10 pcs

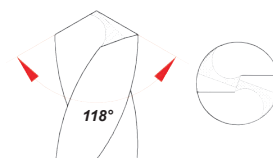
Item no.	Diameter	Total length	Cutting length	Packing
60225262	6,90 mm	109 mm	69 mm	10 pcs
60225266	7,00 mm	109 mm	69 mm	10 pcs
60225270	7,10 mm	109 mm	69 mm	10 pcs
60225274	7,20 mm	109 mm	69 mm	10 pcs
60225278	7,30 mm	109 mm	69 mm	10 pcs
60225282	7,40 mm	109 mm	69 mm	10 pcs
60225286	7,50 mm	109 mm	69 mm	10 pcs
60225290	7,60 mm	117 mm	75 mm	10 pcs
60225294	7,70 mm	117 mm	75 mm	10 pcs
60225298	7,80 mm	117 mm	75 mm	10 pcs
60225302	7,90 mm	117 mm	75 mm	10 pcs
60225306	8,00 mm	117 mm	75 mm	10 pcs
60225310	8,10 mm	117 mm	75 mm	10 pcs
60225314	8,20 mm	117 mm	75 mm	10 pcs
60225322	8,30 mm	117 mm	75 mm	10 pcs
60225326	8,40 mm	117 mm	75 mm	10 pcs
60225330	8,50 mm	117 mm	75 mm	10 pcs
60225334	8,60 mm	125 mm	81 mm	10 pcs
60225338	8,70 mm	125 mm	81 mm	10 pcs
60225342	8,80 mm	125 mm	81 mm	10 pcs
60225346	8,90 mm	125 mm	81 mm	10 pcs
60225350	9,00 mm	125 mm	81 mm	10 pcs
60225354	9,10 mm	125 mm	81 mm	5 pcs
60225358	9,20 mm	125 mm	81 mm	5 pcs
60225366	9,30 mm	125 mm	81 mm	5 pcs
60225370	9,40 mm	125 mm	81 mm	5 pcs
60225374	9,50 mm	125 mm	81 mm	5 pcs
60225378	9,60 mm	133 mm	87 mm	5 pcs
60225382	9,70 mm	133 mm	87 mm	5 pcs
60225386	9,80 mm	133 mm	87 mm	5 pcs
60225390	9,90 mm	133 mm	87 mm	5 pcs
60225394	10,00 mm	133 mm	87 mm	5 pcs
60225398	10,20 mm	133 mm	87 mm	5 pcs
60225402	10,50 mm	133 mm	87 mm	5 pcs
60225406	11,00 mm	142 mm	94 mm	5 pcs
60225410	11,50 mm	142 mm	94 mm	5 pcs
60225414	12,00 mm	151 mm	101 mm	5 pcs
60225418	12,50 mm	151 mm	101 mm	5 pcs
60225422	13,00 mm	151 mm	101 mm	5 pcs
60225426	13,50 mm	160 mm	108 mm	5 pcs
60225430	14,00 mm	160 mm	108 mm	5 pcs
60225434	14,50 mm	169 mm	114 mm	5 pcs
60225438	15,00 mm	169 mm	114 mm	5 pcs
60225442	15,50 mm	178 mm	120 mm	5 pcs
60225446	16,00 mm	178 mm	120 mm	5 pcs



## HSS-TIN STUB TWIST DRILLS

Crossgrinded acc. to DIN1412 C, point angle 118°.

Item no.	Diameter	Total length	Cutting length	Packing
60232208	1,00 mm	26 mm	6 mm	10 pcs
60232216	1,50 mm	32 mm	9 mm	10 pcs
60232224	2,00 mm	38 mm	12 mm	10 pcs
60232232	2,50 mm	43 mm	14 mm	10 pcs
60232240	3,00 mm	46 mm	16 mm	10 pcs
60232248	3,20 mm	46 mm	18 mm	10 pcs
60232256	3,30 mm	49 mm	18 mm	10 pcs
60232264	3,50 mm	52 mm	20 mm	10 pcs
60232272	3,60 mm	52 mm	20 mm	10 pcs
60232280	3,70 mm	52 mm	20 mm	10 pcs
60232288	3,80 mm	52 mm	20 mm	10 pcs
60232296	4,00 mm	55 mm	22 mm	10 pcs
60232304	4,10 mm	55 mm	22 mm	10 pcs
60232312	4,20 mm	55 mm	22 mm	10 pcs
60232320	4,50 mm	58 mm	24 mm	10 pcs
60232328	4,90 mm	62 mm	26 mm	10 pcs
60232336	5,00 mm	62 mm	26 mm	10 pcs
60232344	5,20 mm	62 mm	26 mm	10 pcs
60232352	5,50 mm	66 mm	28 mm	10 pcs
60232360	6,00 mm	66 mm	28 mm	10 pcs
60232368	6,50 mm	70 mm	31 mm	10 pcs
60232376	6,80 mm	74 mm	34 mm	10 pcs
60232384	7,00 mm	74 mm	34 mm	10 pcs
60232392	7,50 mm	74 mm	34 mm	10 pcs
60232400	8,00 mm	79 mm	37 mm	10 pcs
60232408	8,50 mm	79 mm	37 mm	10 pcs
60232416	9,00 mm	84 mm	40 mm	10 pcs
60232424	9,50 mm	84 mm	40 mm	5 pcs
60232432	10,00 mm	89 mm	43 mm	5 pcs
60232440	10,25 mm	89 mm	43 mm	5 pcs
60232448	10,50 mm	89 mm	43 mm	5 pcs
60232456	11,00 mm	95 mm	47 mm	5 pcs
60232464	11,50 mm	95 mm	47 mm	5 pcs
60232472	12,00 mm	102 mm	51 mm	5 pcs
60232480	12,50 mm	102 mm	51 mm	5 pcs
60232488	13,00 mm	102 mm	51 mm	5 pcs
60232496	13,50 mm	107 mm	54 mm	5 pcs
60232504	14,00 mm	107 mm	54 mm	5 pcs
60232512	14,50 mm	115 mm	58 mm	5 pcs
60232520	15,00 mm	115 mm	58 mm	5 pcs
60232528	15,50 mm	115 mm	58 mm	5 pcs
60232536	16,00 mm	115 mm	58 mm	5 pcs
60232544	16,50 mm	119 mm	60 mm	5 pcs
60232552	17,00 mm	119 mm	60 mm	5 pcs
60232560	17,50 mm	123 mm	62 mm	5 pcs



## MORSE TAPER SHANK DRILLS DIN345 N

Point angle 118°.

Item no.	Diameter	Total length	Cutting length	MT
60241412	14,50 mm	212 mm	114 mm	1
60241418	15,00 mm	212 mm	114 mm	2
60241424	15,50 mm	218 mm	120 mm	2
60241430	16,00 mm	218 mm	120 mm	2
60241436	16,50 mm	223 mm	125 mm	2
60241442	17,00 mm	223 mm	125 mm	2
60241448	17,50 mm	228 mm	130 mm	2
60241454	18,00 mm	228 mm	130 mm	2
60241460	18,50 mm	233 mm	135 mm	2
60241466	19,00 mm	233 mm	135 mm	2
60241472	19,50 mm	238 mm	140 mm	2
60241478	20,00 mm	238 mm	140 mm	2
60241484	20,50 mm	243 mm	145 mm	2
60241490	21,00 mm	243 mm	145 mm	2
60241496	21,50 mm	248 mm	150 mm	2
60241502	22,00 mm	248 mm	150 mm	2
60241508	22,50 mm	248 mm	155 mm	2
60241514	23,00 mm	253 mm	155 mm	2
60241520	23,50 mm	276 mm	155 mm	3
60241526	24,00 mm	281 mm	160 mm	3
60241532	24,50 mm	281 mm	160 mm	3
60241538	25,00 mm	281 mm	160 mm	3
60241544	25,50 mm	248 mm	165 mm	3
60241550	26,00 mm	248 mm	165 mm	3
60241556	26,50 mm	248 mm	165 mm	3
60241562	27,00 mm	291 mm	170 mm	3
60241568	27,50 mm	291 mm	170 mm	3
60241574	28,00 mm	291 mm	170 mm	3
60241580	28,50 mm	296 mm	175 mm	3
60241586	29,00 mm	296 mm	175 mm	3
60241592	29,50 mm	296 mm	175 mm	3
60241598	30,00 mm	296 mm	175 mm	3



## TIN-TOP COATED HSS STUB DRILL (118GR. POINT ANGLE)

DIN1897R, Tin-top cylindrical stub twist drill is self-centering, increases the productivity considerably and has a longer tool life compared to other conventional stub twist drills.

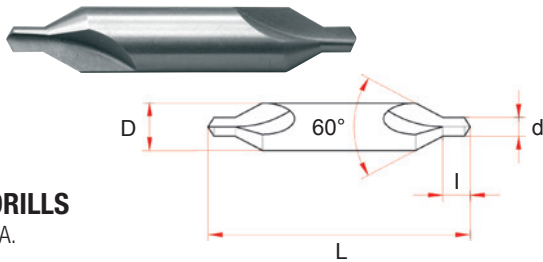
Item no.	Diameter	Total length	Cutting length	Packing
60233020	2,0 mm	38 mm	12 mm	10 pcs
60233032	3,2 mm	49 mm	18 mm	10 pcs
60233033	3,3 mm	49 mm	18 mm	10 pcs
60233042	4,2 mm	58 mm	24 mm	10 pcs
60233050	5,0 mm	62 mm	26 mm	10 pcs
60233052	5,2 mm	66 mm	28 mm	10 pcs
60233068	6,8 mm	74 mm	34 mm	10 pcs
60233070	7,0 mm	74 mm	34 mm	10 pcs



### TIN-TOP COATED HSS JOBBER DRILL (118GR. POINT ANGLE)

DIN338. Tin-top cylindrical jobber twist drill is self-centering, increases the productivity considerably and has a longer tool life compared to other conventional twist drills.

Item no.	Diameter	Total length	Cutting length	Packing
60226025	2,50 mm	57 mm	30 mm	10 pcs
60226030	3,00 mm	61 mm	33 mm	10 pcs
60226035	3,50 mm	70 mm	39 mm	10 pcs
60226040	4,00 mm	75 mm	43 mm	10 pcs
60226045	4,50 mm	80 mm	47 mm	10 pcs
60226050	5,00 mm	86 mm	52 mm	10 pcs
60226055	5,50 mm	93 mm	57 mm	10 pcs
60226060	6,00 mm	93 mm	57 mm	10 pcs
60226062	6,20 mm	101 mm	63 mm	10 pcs
60226065	6,50 mm	101 mm	63 mm	10 pcs
60226068	6,80 mm	109 mm	69 mm	10 pcs
60226070	7,00 mm	109 mm	69 mm	10 pcs
60226075	7,50 mm	109 mm	69 mm	10 pcs
60226080	8,00 mm	117 mm	75 mm	10 pcs
60226085	8,50 mm	117 mm	75 mm	10 pcs
60226090	9,00 mm	125 mm	81 mm	10 pcs
60226095	9,50 mm	125 mm	81 mm	5 pcs
60226100	10,00 mm	133 mm	87 mm	5 pcs
60226110	11,00 mm	142 mm	94 mm	5 pcs
60226120	12,00 mm	151 mm	101 mm	5 pcs
60226125	12,50 mm	151 mm	101 mm	5 pcs



### CENTER DRILLS

HSS DIN333 A.

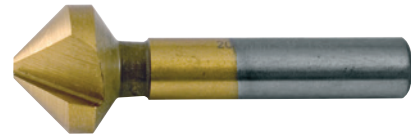
Item no.	Flute dia. (d)	Shank dia. (D)	Flute length (l)	Total length (L)
60011125	1,25 mm	3,15 mm	1,80 mm	31,50 mm
60011160	1,60 mm	4,00 mm	2,70 mm	36,00 mm
60011200	2,00 mm	5,00 mm	3,10 mm	41,00 mm
60011250	2,50 mm	6,30 mm	4,25 mm	46,00 mm
60011315	3,15 mm	8,00 mm	4,50 mm	50,00 mm
60011400	4,00 mm	10,00 mm	6,00 mm	55,50 mm
60011500	5,00 mm	12,50 mm	6,60 mm	63,00 mm



### HSS TIN STEP DRILLS IN SET

Cylindrical shaft.

Item no.	Ø head mm	Max. plate thickness mm	Ø shaft mm
60205400	complete set contains no. 1 + no. 2 + no. 3		
60205410	No 1: 4-5-6-7-8-9-10-11-12	5	6
60205440	No. 2: 6-8-10-12-14-16-18-20	4	8
60205455	No. 3: 6-8-10-14-16-18-20-22-24-26-28-30	4	10



### HSS-TIN COUNTERSINK 90° 3-FLUTE

90° 3-flute, DIN335, cyl. Shaft, (HSS-E) Cobolt Alloy.

Item no.	Ø head	Ø point	Ø shaft	Total length
60016063	6,3 mm	1,5 mm	5 mm	45 mm
60016083	8,3 mm	2,0 mm	6 mm	50 mm
60016104	10,4 mm	2,5 mm	6 mm	50 mm
60016124	12,4 mm	2,8 mm	8 mm	56 mm
60016165	16,5 mm	3,2 mm	10 mm	60 mm
60016205	20,5 mm	3,3 mm	10 mm	63 mm
60016250	25,0 mm	3,8 mm	10 mm	67 mm
60016310	31,0 mm	4,2 mm	12 mm	71 mm



### HSS-TIN COUNTERSINKS IN SET 90° 3-FLUTE

Form C, cylindrical shaft and HSS-TIN.

Contents:

1 pc. Ø 6,3 - Ø 8,3 - Ø 10,4 - Ø 12,4 - Ø 16,5 - Ø 20,5.

Item no.	Contents	Ø head	Alloy
60015620	6 pcs	6,3 - 20,5 mm	HSS-TIN

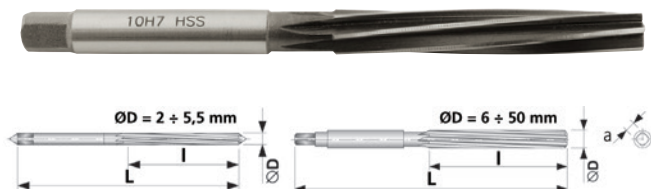


### HSS COUNTERSINK SET Ø6,3 - 20.5 MM (90°)

DIN335, form C.

Item no.	Contents	Ø mm	Alloy
321013	6 pcs countersinks	6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5	HSS

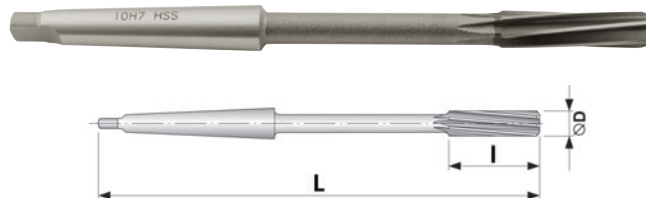




### HSS HAND REAMER H7 DIN206 FORM B

Hand Reamer with equal numbers of flutes, cylindrical shank with clamping square, 7° left hand spiral flute ensures good surface quality. For through-holes only.

Item no.	Ø D	L	I	Numbers of flutes
69300020	2 mm	50 mm	25 mm	4
69300022	2,2 mm	54 mm	27 mm	4
69300025	2,5 mm	58 mm	29 mm	4
69300028	2,8 mm	62 mm	31 mm	4
69300030	3 mm	62 mm	31 mm	4
69300035	3,5 mm	71 mm	35 mm	4
69300040	4 mm	76 mm	38 mm	4
69300045	4,5 mm	81 mm	41 mm	4
69300050	5 mm	87 mm	44 mm	4
69300055	5,5 mm	93 mm	47 mm	4
69300060	6 mm	93 mm	47 mm	6
69300065	6,5 mm	100 mm	50 mm	6
69300070	7 mm	107 mm	54 mm	6
69300075	7,5 mm	107 mm	54 mm	6
69300080	8 mm	115 mm	58 mm	6
69300085	8,5 mm	115 mm	58 mm	6
69300090	9 mm	124 mm	62 mm	6
69300100	10 mm	133 mm	66 mm	6
69300110	11 mm	142 mm	71 mm	6
69300120	12 mm	152 mm	76 mm	8
69300130	13 mm	152 mm	76 mm	8
69300140	14 mm	163 mm	81 mm	8
69300150	15 mm	163 mm	81 mm	8
69300160	16 mm	175 mm	87 mm	8
69300170	17 mm	175 mm	87 mm	8
69300180	18 mm	188 mm	93 mm	8
69300190	19 mm	188 mm	93 mm	8
69300200	20 mm	201 mm	100 mm	8
69300210	21 mm	201 mm	100 mm	8
69300220	22 mm	215 mm	107 mm	8
69300230	23 mm	215 mm	107 mm	8
69300240	24 mm	231 mm	115 mm	8
69300250	25 mm	231 mm	115 mm	8
69300260	26 mm	231 mm	115 mm	8
69300270	27 mm	247 mm	124 mm	10
69300280	28 mm	247 mm	124 mm	10
69300300	30 mm	247 mm	124 mm	10
69300320	32 mm	265 mm	133 mm	10
69300340	34 mm	284 mm	142 mm	10
69300360	36 mm	284 mm	142 mm	10
69300380	38 mm	305 mm	152 mm	10
69300400	40 mm	305 mm	152 mm	10
69300420	42 mm	305 mm	152 mm	12
69300440	44 mm	326 mm	163 mm	12
69300450	45 mm	326 mm	163 mm	12
69300460	46 mm	326 mm	163 mm	12
69300480	48 mm	347 mm	174 mm	12
69300500	50 mm	347 mm	174 mm	12



### HSS MACHINE REAMER H7 MK DIN208 FORM B

Reamer with equal number of flutes, short inlet, Morse taper, 7° left-hand spiral to ensure a good surface quality.

Item no.	Ø D	L	I	MK	Numbers of flutes
<b>HSS</b>					
69301050	5 mm	133 mm	23 mm	1	6
69301060	6 mm	138 mm	26 mm	1	6
69301070	7 mm	150 mm	31 mm	1	6
69301080	8 mm	156 mm	33 mm	1	6
69301090	9 mm	162 mm	36 mm	1	6
69301100	10 mm	168 mm	38 mm	1	6
69301110	11 mm	175 mm	41 mm	1	6
69301120	12 mm	182 mm	44 mm	1	8
69301130	13 mm	182 mm	44 mm	1	8
69301140	14 mm	189 mm	47 mm	1	8
69301150	15 mm	204 mm	50 mm	2	8
69301160	16 mm	210 mm	52 mm	2	8
69301170	17 mm	214 mm	54 mm	2	8
69301180	18 mm	219 mm	56 mm	2	8
69301190	19 mm	223 mm	58 mm	2	8
69301200	20 mm	228 mm	60 mm	2	8
69301210	21 mm	232 mm	62 mm	2	8
69301220	22 mm	237 mm	64 mm	2	8
69301230	23 mm	241 mm	66 mm	2	8
69301240	24 mm	268 mm	68 mm	3	8
69301250	25 mm	268 mm	68 mm	3	8
69301260	26 mm	273 mm	70 mm	3	10
69301270	27 mm	277 mm	71 mm	3	10
69301280	28 mm	277 mm	71 mm	3	10
69301290	29 mm	281 mm	73 mm	3	10
69301300	30 mm	281 mm	73 mm	3	10
69301310	31 mm	285 mm	75 mm	3	10
69301320	32 mm	317 mm	77 mm	4	10
<b>HSSCo</b>					
69304350	35 mm	321 mm	78 mm	4	10
69304400	40 mm	329 mm	81 mm	4	10
69304470	47 mm	340 mm	84 mm	4	12
69304500	50 mm	344 mm	86 mm	4	12



### ENDMILLS IN SETS

HSS-TIN 12 pcs., incl. racket.

Item no.	Ø 2-flute	Ø 4-flute
60354625	6+8+10+12+16+20	6+8+10+12+16+20



## HSS-TIN 2-FLUTE ENDMILLS

DIN327. 30° Spiral, One end tooth, Cutting over centre, Surface Treatment Tin (Titanium Nitride). Weldon Shank.

Item no.	Diameter Ø	Shaft Ø	Flute length	Total length
60325207	3 mm	6 mm	7 mm	49 mm
60325214	4 mm	6 mm	7 mm	52 mm
60325221	5 mm	6 mm	9 mm	52 mm
60325228	6 mm	6 mm	10 mm	52 mm
60325235	8 mm	10 mm	11 mm	61 mm
60325242	9 mm	10 mm	11 mm	62 mm
60325249	10 mm	10 mm	14 mm	63 mm
60325256	11 mm	12 mm	14 mm	70 mm
60325263	12 mm	12 mm	16 mm	74 mm
60325270	14 mm	12 mm	18 mm	74 mm
60325277	16 mm	16 mm	18 mm	79 mm
60325284	18 mm	16 mm	21 mm	79 mm
60325291	20 mm	20 mm	23 mm	89 mm



## HSS-TIN 4-FLUTES ENDMILLS

DIN844. 30° Spiral, One end tooth. Cutting over centre, Surface Treatment Tin (Titanium Nitride). Weldon Shank.

Item no.	Diameter Ø	Shaft Ø	Flute length	Total length
60351325	4 mm	6 mm	11 mm	43 mm
60351332	6 mm	6 mm	13 mm	57 mm
60351339	8 mm	10 mm	19 mm	63 mm
60351346	10 mm	10 mm	22 mm	72 mm
60351353	12 mm	12 mm	26 mm	83 mm
60351360	14 mm	12 mm	26 mm	83 mm
60351367	16 mm	16 mm	32 mm	92 mm
60351374	18 mm	16 mm	32 mm	92 mm
60351381	20 mm	20 mm	38 mm	104 mm



## HSS-TIN ENDMILLS, COARSE PITCH, ROUGH

DIN844. 30° spiral, one end tooth, cutting over centre, surface treatment tin (Titanium Nitride). Weldon Shank.

Item no.	Diameter Ø	Shaft Ø	Flute length	Total length
60353412	12 mm	12 mm	26 mm	83 mm
60353414	14 mm	12 mm	26 mm	83 mm
60353416	16 mm	16 mm	32 mm	92 mm
60353418	18 mm	16 mm	32 mm	92 mm
60353420	20 mm	20 mm	38 mm	104 mm
60353422	22 mm	20 mm	38 mm	104 mm
60353425	25 mm	25 mm	45 mm	121 mm
60353430	30 mm	25 mm	45 mm	125 mm
60353432	32 mm	32 mm	53 mm	133 mm



## MACHINE TAP HSS-TIN

35° spiral flute DIN376, tap tolerance 6H for 6H fit. Chamfer thread no. 3, cutting rake 12°.

Item no.	Thread dim.	Pitch	Length	Thread length	Shaft Ø mm	Square	Drill Ø mm
60206220	M2	0,40 mm	45 mm	9 mm	1,3	1,3 mm	1,60
60206225	M3	0,50 mm	56 mm	10 mm	2,2	2,6 mm	2,50
60206230	M4	0,70 mm	63 mm	12 mm	2,8	2,1 mm	3,30
60206235	M5	0,80 mm	70 mm	16 mm	3,5	2,7 mm	4,20
60206240	M6	1,00 mm	80 mm	19 mm	4,5	3,4 mm	5,00
60206245	M8	1,25 mm	90 mm	22 mm	6	4,9 mm	6,80
60206250	M10	1,50 mm	100 mm	24 mm	7	5,5 mm	8,50
60206255	M12	1,75 mm	110 mm	29 mm	9	7 mm	10,25
60206265	M16	2,00 mm	110 mm	32 mm	12	9 mm	14,00
60206275	M20	2,50 mm	140 mm	34 mm	16	12 mm	17,50



## HSS-TIN MACHINE TAP

45° Spiral Flute Din 371/376, Tap Tolerance 6H for 6H fit. Chamfer Thread No. 3, Cutting Rake 12°. Note: Please see spiral fluted taps in set on next page.

Item no.	Thread dim.	Pitch	Length	Thread length	Shaft Ø mm	Square	Drill Ø mm
60207115	M3	0,50 mm	56 mm	11 mm	3,5	2,7 mm	2,50
60207118	M4	0,70 mm	63 mm	13 mm	4,5	3,4 mm	3,30
60207121	M5	0,80 mm	70 mm	16 mm	6,0	4,9 mm	4,20
60207124	M6	1,00 mm	80 mm	19 mm	6,0	4,9 mm	5,00
60207127	M8	1,25 mm	90 mm	22 mm	8,0	6,2 mm	6,80
60207130	M10	1,50 mm	100 mm	24 mm	10,0	8,0 mm	8,50
60207133	M12	1,75 mm	110 mm	29 mm	10,0	7,0 mm	10,25
60207136	M14	2,00 mm	110 mm	30 mm	11,0	9,0 mm	12,00
60207139	M16	2,00 mm	110 mm	32 mm	12,0	9,0 mm	14,00
60207145	M20	2,50 mm	140 mm	34 mm	16,0	12,0 mm	17,50



## HSS-TIN MACHINE TAP

Straight flutes, DIN371/376, tap tolerance 6H for 6H fit. Chamfer thread no. 3, cutting rake 10°.

Item no.	Thread dim.	Pitch	Length	Thread length	Shaft Ø mm	Square	Drill Ø mm
60215125	M3	0,50 mm	56 mm	11 mm	3,5	2,7 mm	2,50
60215130	M4	0,70 mm	63 mm	13 mm	4,5	3,4 mm	3,30
60215135	M5	0,80 mm	70 mm	16 mm	6,0	4,9 mm	4,20
60215140	M6	1,00 mm	80 mm	19 mm	6,0	4,9 mm	5,00
60215145	M8	1,25 mm	90 mm	22 mm	8,0	6,2 mm	6,80
60215150	M10	1,50 mm	100 mm	24 mm	10,0	8,0 mm	8,50
60215155	M12	1,75 mm	110 mm	29 mm	10,0	7,0 mm	10,25
60215160	M14	2,00 mm	110 mm	30 mm	11,0	9,0 mm	12,00
60215165	M16	2,00 mm	110 mm	32 mm	12,0	9,0 mm	14,00
60215170	M18	2,50 mm	125 mm	34 mm	14,0	11,0 mm	15,50
60215175	M20	2,50 mm	140 mm	34 mm	16,0	12,0 mm	17,50



ART. 60705320



ART. 60705305

## HSS TAPS AND DIES SETS

ART. 60705305: set of 32 pcs.

ART. 60705320: set of 54 pcs.

Item no.	Content	MK
60705305	Taps (3 pcs. of each): M3, M4, M5, M6, M8, M10, M12 Dies (3 pcs. of each): M4, M5, M6, M8, M10, M12 1 pc. Of each: Tap wrench, die stock, screw driver, screw gauge	M3-M12
60705320	2 pcs. tap wrench M1-M20 6 pcs. die stocks (20x5, 20x7, 25x9, 30x11, 38x14, 45x18) 11 pcs. dies(M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20) 11 pcs. handtap (M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20) 1 pc. screw pitch gauge (mm 60°: 0,4 - 6,00) 1 pc. screw driver	M3-M20



## HSS TAP AND DRILL SET M3 - M12

Item no.	Content
60650175	1 pcs. tap wrench M3-M12 7 pcs. drills: Ø 2,5 - 3,3 - 4,2 - 5,0 - 6,8 - 8,5 - 10,2 mm 7 pcs. hand Taps: M3 - M4 - M5 - M6 - M8 - M10 - M12 Incl. cassette



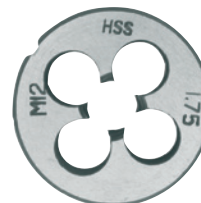
## SPIRAL FLUTED TAP AND DRILL SET M3-M12 MM

Item no.	Content
60207425	7 pcs. drills: Ø 2,5 - 3,3 - 4,2 - 5,0 - 6,8 - 8,5 - 10,2 mm 7 pcs. machine taps: M3 - M4 - M5 - M6 - M8 - M10 - M12 Incl. cassette



## TAP WRENCH DIN1814

Item no.	Total length	No.	Tap range	Square
60372110	170 mm	1	M1 - M10	2,5 - 8,0 mm
60372412	300 mm	2	M4 - M12	4,0 - 9,0 mm
60372520	400 mm	3	M5 - M20	4,9 - 12,0 mm



## METRIC COARSE DIES HSS

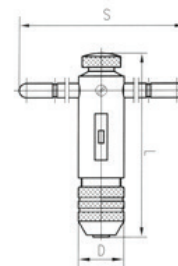
DIN223, metric thread.

Item no.	Thread dia.	Pitch	Dies dia. x height
60356125	M2	0,40 mm	20 x 5 mm
60356128	M3	0,50 mm	20 x 5 mm
60356131	M4	0,70 mm	20 x 5 mm
60356134	M5	0,80 mm	20 x 7 mm
60356137	M6	1,00 mm	20 x 7 mm
60356140	M7	1,00 mm	25 x 9 mm
60356143	M8	1,25 mm	25 x 9 mm
60356146	M9	1,25 mm	25 x 9 mm
60356149	M10	1,50 mm	30 x 11 mm
60356152	M11	1,50 mm	30 x 11 mm
60356155	M12	1,75 mm	38 x 14 mm
60356158	M14	2,00 mm	38 x 14 mm
60356161	M16	2,00 mm	45 x 14 mm



## DIE STOCK DIN225

Item no.	For metric coarse die Ø	Height
60359110	16 mm	5 mm
60359125	20 mm	5 mm
60359140	20 mm	7 mm
60359155	25 mm	9 mm
60359170	30 mm	11 mm
60359185	38 mm	14 mm
60359200	45 mm	18 mm
60359215	55 mm	22 mm



## TAP WRENCH

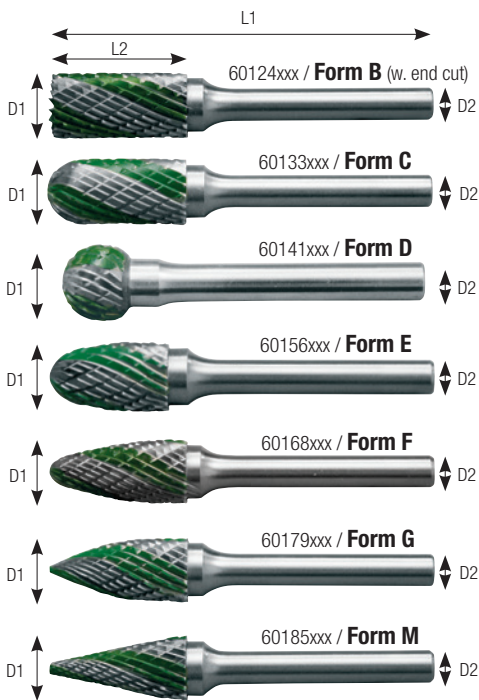
Item no.	Length L	Width D	S	Thread range
60375310	86,8 mm	20,8 mm	100 mm	M3 - M10
60375512	101 mm	25,5 mm	130 mm	M5 - M12



## CARBIDE BURRS (SPEED CUT)

Form B, C, D, E, F, G, M.

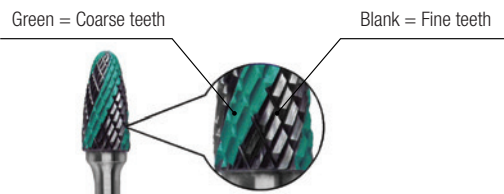
Tungsten carbide. Speedway combi-cut.



## CARBIDE BURR IN SET OF 5 PCS. (SPEED CUT)

Form B, C, D, F and G.

Item no.	Ø head
60120310	10 mm
60120412	12 mm



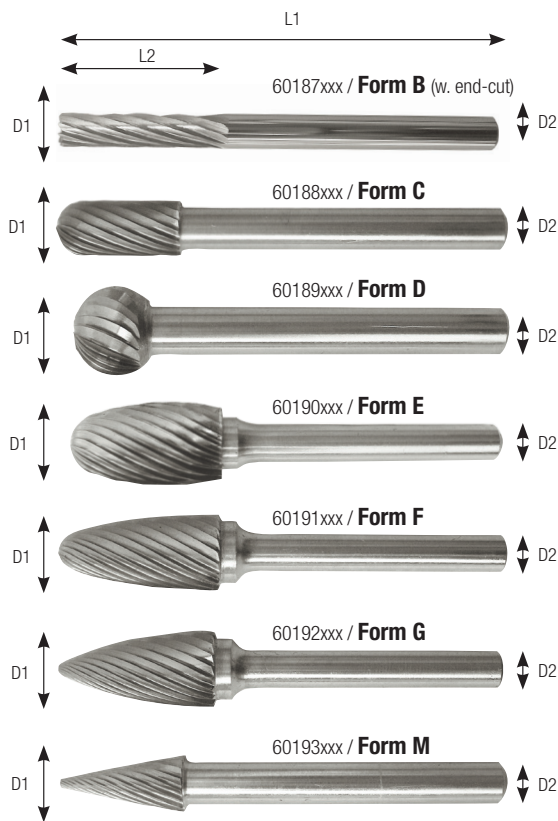
### SPEED CUT BURRS:

The patented combi-tooth eliminates flaking and gives up to 30% more efficiency and higher brightness than normal double cut rotary burrs.

Coarse teeth: Big chip space allows fast stock removal with high efficiency. Green paint is only for distinguishing coarse cut from fine cut.

Fine teeth: Fine-machining of a glabrous surface.

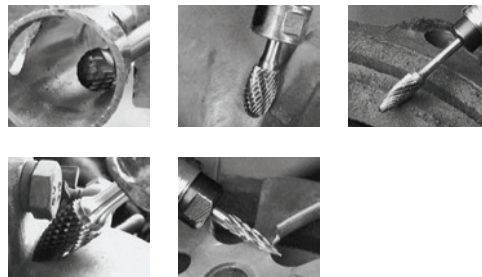
Item no.	Description	Form	D1 Ø	L2	L1	D2 Ø	Application
60124115	Cylindrical w. end-cut	B	6 mm	18 mm	56 mm	6 mm	Suitable for processing of slot and right angled corners.
60124130	Cylindrical w. end-cut	B	8 mm	18 mm	64 mm	6 mm	
60124145	Cylindrical w. end-cut	B	10 mm	20 mm	65 mm	6 mm	
60124160	Cylindrical w. end-cut	B	12 mm	25 mm	70 mm	6 mm	
60133115	Cylindrical ballhead	C	6 mm	18 mm	56 mm	6 mm	Suitable for processing of radius and circular surfaces.
60133130	Cylindrical ballhead	C	8 mm	18 mm	64 mm	6 mm	
60133145	Cylindrical ballhead	C	10 mm	20 mm	65 mm	6 mm	
60133160	Cylindrical ballhead	C	12 mm	25 mm	70 mm	6 mm	
60141115	Ballshaped	D	6 mm	5 mm	56 mm	6 mm	Suitable for contour and radius processing of welds and holes.
60141130	Ballshaped	D	8 mm	7 mm	52 mm	6 mm	
60141145	Ballshaped	D	10 mm	9 mm	54 mm	6 mm	
60141160	Ballshaped	D	12 mm	11 mm	56 mm	6 mm	
60156115	Dropshaped	E	6 mm	10 mm	56 mm	6 mm	Suitable for processing of rounded edges.
60156130	Dropshaped	E	8 mm	13 mm	58 mm	6 mm	
60156145	Dropshaped	E	10 mm	16 mm	61 mm	6 mm	
60156160	Dropshaped	E	12 mm	20 mm	65 mm	6 mm	
60168115	Arc cylindrical	F	6 mm	18 mm	56 mm	6 mm	Suitable for processing rounded edge in small places.
60168130	Arc cylindrical	F	8 mm	18 mm	63 mm	6 mm	
60168145	Arc cylindrical	F	10 mm	20 mm	65 mm	6 mm	
60168160	Arc cylindrical	F	12 mm	25 mm	70 mm	6 mm	
60179115	Point tree	G	6 mm	18 mm	56 mm	6 mm	Suitable for processing small places and acute angled contour.
60179130	Point tree	G	8 mm	20 mm	64 mm	6 mm	
60179145	Point tree	G	10 mm	20 mm	65 mm	6 mm	
60179160	Point tree	G	12 mm	25 mm	70 mm	6 mm	
60185115	Cone shaped	M	6 mm	13 mm	53 mm	6 mm	Suitable for processing of rounded edge and surface in small places.
60185130	Cone shaped	M	8 mm	18 mm	65 mm	6 mm	
60185145	Cone shaped	M	10 mm	20 mm	65 mm	6 mm	
60185160	Cone shaped	M	12 mm	25 mm	70 mm	6 mm	



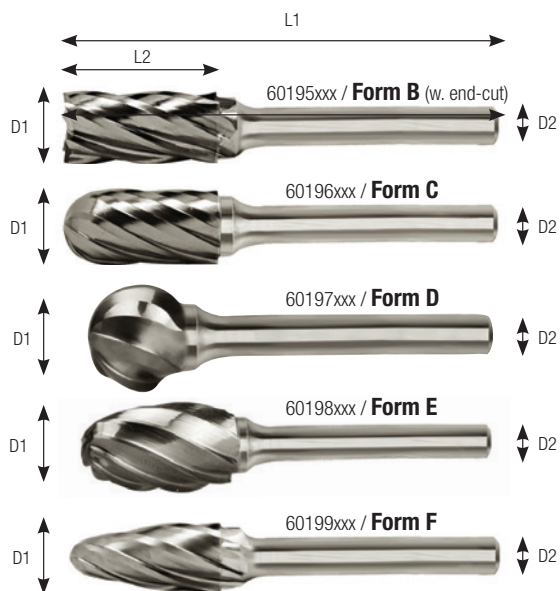
## CARBIDE BURRS (SINGLE CUT)

For use in material which produces long chips. Suitable for; Cast iron, cast steel, Bronze, Hardened Aluminium alloys, Titanium alloys and stainless steel.

Photos for illustrative purposes only  
- for different applications.



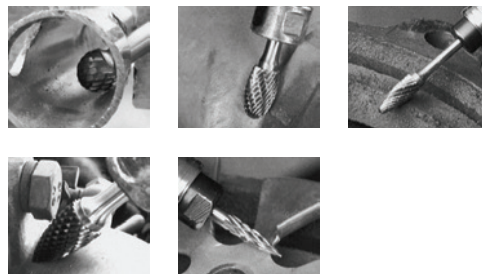
Item no.	Description	Form	D1 Ø	L2	L1	D2 Ø	Application
60187010	Cylindrical with end-cut	B	6 mm	18 mm	56 mm	6 mm	Suitable for processing of slot and right angled corners.
60187025	Cylindrical with end-cut	B	10 mm	20 mm	65 mm	6 mm	
60187040	Cylindrical with end-cut	B	12 mm	25 mm	70 mm	6 mm	
60188010	Cylindrical ballhead	C	6 mm	18 mm	56 mm	6 mm	Suitable for processing of radius and circular surfaces.
60188025	Cylindrical ballhead	C	8 mm	18 mm	64 mm	6 mm	
60188040	Cylindrical ballhead	C	10 mm	20 mm	65 mm	6 mm	
60188055	Cylindrical ballhead	C	12 mm	25 mm	70 mm	6 mm	
60189010	Ballshaped	D	6 mm	5 mm	56 mm	6 mm	Suitable for contour and radiu processing of welds and holes.
60189025	Ballshaped	D	8 mm	7 mm	52 mm	6 mm	
60189040	Ballshaped	D	10 mm	9 mm	54 mm	6 mm	
60189055	Ballshaped	D	12 mm	11 mm	56 mm	6 mm	
60190010	Dropshaped	E	6 mm	10 mm	56 mm	6 mm	Suitable for processing of rounded edges.
60190025	Dropshaped	E	8 mm	13 mm	58 mm	6 mm	
60190040	Dropshaped	E	10 mm	16 mm	61 mm	6 mm	
60190055	Dropshaped	E	12 mm	20 mm	65 mm	6 mm	
60191010	Arch cylindrical	F	6 mm	18 mm	56 mm	6 mm	Suitable for processing rounded edge in small places.
60191025	Arch cylindrical	F	8 mm	18 mm	63 mm	6 mm	
60191040	Arch cylindrical	F	10 mm	20 mm	65 mm	6 mm	
60191055	Arch cylindrical	F	12 mm	25 mm	70 mm	6 mm	
60192010	Point tree	G	6 mm	18 mm	56 mm	6 mm	Suitable for processing small places, and acute angled contour.
60192025	Point tree	G	8 mm	20 mm	64 mm	6 mm	
60192040	Point tree	G	10 mm	20 mm	65 mm	6 mm	
60192055	Point tree	G	12 mm	25 mm	70 mm	6 mm	
60193010	Cone shaped	M	6 mm	13 mm	53 mm	6 mm	Suitable for processing of rounded edge and surface in small places.
60193025	Cone shaped	M	8 mm	18 mm	65 mm	6 mm	
60193040	Cone shaped	M	10 mm	20 mm	65 mm	6 mm	
60193055	Cone shaped	M	12 mm	25 mm	70 mm	6 mm	



## CARBIDE BURRS (ALU CUT)

For use in Aluminium. The large chip space and sharp cutting edge allows fast chip removal. Also suitable for plastic, hard rubber and wood.

Photos for illustrative purposes only  
- for different applications.



Item no.	Beskrivelse	Form	D1 Ø	L2	L1	D2 Ø	Application	
60195010	Cylindrical w. end-cut	B	6 mm	18 mm	56 mm	6 mm	Suitable for processing of slot and right angled corners.	
60195025	Cylindrical w. end-cut	B	10 mm	20 mm	65 mm	6 mm		
60195040	Cylindrical w. end-cut	B	12 mm	25 mm	70 mm	6 mm		
60196010	Cylindrical ballhead	C	6 mm	18 mm	56 mm	6 mm	Suitable for processing of radius and circular surfaces.	
60196025	Cylindrical ballhead	C	8 mm	18 mm	64 mm	6 mm		
60196040	Cylindrical ballhead	C	10 mm	20 mm	65 mm	6 mm		
60196055	Cylindrical ballhead	C	12 mm	25 mm	70 mm	6 mm	Suitable for contour and radius processing of welds and holes.	
60197010	Ballshaped	D	6 mm	5 mm	56 mm	6 mm		
60197025	Ballshaped	D	8 mm	7 mm	52 mm	6 mm		
60197040	Ballshaped	D	10 mm	9 mm	54 mm	6 mm		
60197055	Ballshaped	D	12 mm	11 mm	56 mm	6 mm	Suitable for processing of rounded edges.	
60198010	Dropshaped	E	6 mm	10 mm	56 mm	6 mm		
60198025	Dropshaped	E	8 mm	13 mm	58 mm	6 mm		
60198040	Dropshaped	E	10 mm	16 mm	61 mm	6 mm		
60198055	Dropshaped	E	12 mm	20 mm	65 mm	6 mm	Suitable for processing rounded edge in small places.	
60199010	Arc cylindrical	F	6 mm	18 mm	56 mm	6 mm		
60199025	Arc cylindrical	F	8 mm	18 mm	63 mm	6 mm		
60199040	Arc cylindrical	F	10 mm	20 mm	65 mm	6 mm		
60199055	Arc cylindrical	F	12 mm	25 mm	70 mm	6 mm		




# Tool cases



## DIESELLA CASES

The cases can be delivered with 3 different types of tool boards (P, L or M).

 = Airworthy for extreme conditions



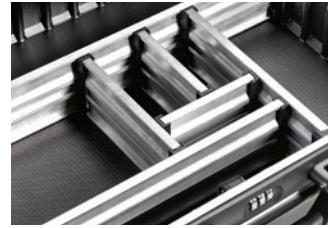
Pockets (P)



Tool loops (L)



Modul tool board (M)



Aluminiums-inndeling

Easy selection of cases. Our cases are divided into 5 categories



profi.cases  
ABS cases



top.cases  
HDPE cases



profi.bags  
leather bags



tec.bags  
nylon bags



tough.cases  
PP cases

## BASE TOOL CASE

Allround toolcase.



profi.cases  
ABS cases

**Ext. dim.** 495 x 415 x 195 mm | **Int. dim.** 460 x 355 x 170 mm  
**Weight** 5,7 kg | **Volume** 26 L | **Max. load** 25 kg

Item no.	B&W no.	PROFI.CASES
70050125	120.02/P	Pockets (37 pockets)
70050230	120.02/L	Tool loops (111 pcs.)
70050365	120.02/M	Modul tool board (9 modules)

The tools are for illustration only.

## GO TOOL CASE

Flexible tool case with wheels.



profi.cases  
ABS cases

**Ext. dim.** 515 x 440 x 255 mm | **Int. dim.** 485 x 375 x 200 mm  
**Weight** 8 kg | **Volume** 36 L | **Max. load** 30 kg

Item no.	B&W no.	PROFI.CASES
70070130	120.04/P	Pockets (37 pockets)
70070143	120.04/L	Tool loops (111 pcs.)
70070156	120.04/M	Modul tool board (9 modules)

The tools are for illustration only.

## RHINO TOOL CASE

Mobile fly-safe tool case.



top.cases  
HDPE cases

**Ext. dim.** 505 x 440 x 280 mm | **Int. dim.** 485 x 375 x 225 mm  
**Weight** 7,9 kg | **Volume** 46 L | **Max. load** 35 kg

Item no.	B&W no.	TOP.CASES
70145172	115.04/P	Pockets (61 pockets)
70145185	115.04/M	Modul tool boards (23 pockets + 9 modules)

The tools are for illustration only.

## JET 5000 TOOL CASE

Waterproof fly-safe tool case.  
Incl. shoulder strap.



tough.cases  
PP cases

**Ext. dim.** 470 x 365 x 190 mm | **Int. dim.** 432 x 301 x 170 mm  
**Weight** 4,7 kg | **Volume** 23 L | **Max. load** 25 kg

Item no.	B&W no.	TOUGH.CASES
70518205	117.17/P	Pockets (34 pockets + 25 tool loops)

The tools are for illustration only.

### JET 6000 TOOL CASE

Robust, waterproof and fly-safe tool case.  
Incl. shoulder strap.



**Ext. dim.** 510 x 420 x 215 mm | **Int. dim.** 437 x 351 x 197 mm  
**Weight** 6,4 kg | **Volume** 33 L | **Max. load** 25 kg

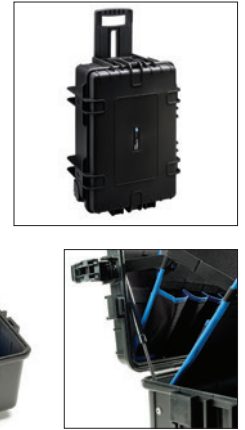


**Item no.** 70518305 | **B&W no.** 117.8/P | **TOUGH.CASES**  
Pockets (42 pockets + 67 tool loops)

*The tools are for illustration only.*

### JUMBO 6700 TOOL CASE

Tough, spacious and waterproof tool case.  
Gas damper in lid and Trolley-version.



**Ext. dim.** 610 x 430 x 265 mm | **Int. dim.** 535 x 360 x 195 mm  
**Weight** 9,8 kg | **Volume** 38 L | **Max. load** 35 kg



**Item no.** 70518405 | **B&W no.** 117.19/P | **TOUGH.CASES**  
Pockets (54 pockets + 94 tool loops)

*The tools are for illustration only.*

### SERVICE TOOL BAG

Padded room for documents/laptop  
and waterproof bottom.



**Ext. dim.** 450 x 340 x 200 mm | **Int. dim.** 440 x 320 x 180 mm  
**Weight** 2,7 kg | **Max. load** 12 kg | **Material** Nylon

**Item no.** 70215165 | **B&W no.** 116.01 | **TEC.BAGS**  
23 pockets + 2 rows with straps

*The tools are for illustration only.*

### MOVE TOOL BAG

Padded room for documents and  
waterproof bottom.



**Ext. dim.** 350 x 430 x 230 mm | **Weight** 2,3 kg | **Max. load** 12 kg  
**Material** Nylon

**Item no.** 70275130 | **B&W no.** 116.02 | **TEC.BAGS**  
16 pockets + 2 rows with straps

*The tools are for illustration only.*

### WORK TOOL BAG

Installation bag.



**Ext. dim.** 450 x 250 x 270 mm | **Int. dim.** 400 x 190 x 140 mm  
**Weight** 2 kg | **Max. load** 12 kg | **Material** Nylon

**Item no.** 70215270 | **B&W no.** 116.04 | **TEC.BAGS**  
15 pockets + 8 tool loops)

*The tools are for illustration only.*

### CARRY TOOL BAG

Technician universal bag.



**Ext. dim.** 400 x 200 x 290 mm | **Int. dim.** 390 x 195 x 285 mm  
**Weight** 0,95 kg | **Max. load** 12 kg | **Material** Nylon

**Item no.** 70215235 | **B&W no.** 116.03 | **TEC.BAGS**  
15 pockets + 8 tool loops)

*The tools are for illustration only.*



## MARS TOOL BAG

Technician bag with downfolding front and back.



**Ext. dim.** 497 x 360 x 225 mm | **Int. dim.** 450 x 330 x 200 mm  
**Weight** 3,5 kg | **Volume** 29,7 L | **Material** Reclaimed leather

**Item no.** 70250145 | **B&W no.** 201.01 | **PROFI.BAGS** 48 tool loops

*The tools are for illustration only.*

## JUPITER TOOL BAG

Technician bag with downfolding front.



**Ext. dim.** 450 x 296 x 205 mm | **Int. dim.** 420 x 250 x 160 mm  
**Weight** 2,8 kg | **Volume** 16,8 L | **Material** Reclaimed leather

**Item no.** 70256165 | **B&W no.** 201.01 | **PROFI.BAGS** 48 tool loops

*The tools are for illustration only.*

## SATURN TOOL BAG

Practical universal bag.



**Ext. dim.** 250 x 275 x 166 mm | **Int. dim.** 220 x 250 x 140 mm  
**Weight** 1,1 kg | **Volume** 7,7 L | **Material** Reclaimed leather

**Item no.** 70275160 | **B&W no.** 204.04 | **PROFI.BAGS** 18 pockets

*The tools are for illustration only.*

## SOLAIRE AND MERKUR ROLLBAGS

Simple storage of tools.



**Int. dim. SOLAIRE** 680 x 320 mm | **Int. dim. MERKUR** 790 x 320 mm  
**Material** Synthetic leather

**Item no.** 70265165 | **B&W no.** 206.53 | **PROFI.BAGS** 15 pockets  
**Item no.** 70265180 | **B&W no.** 206.54 | **PROFI.BAGS** 20 pockets

*The tools are for illustration only.*

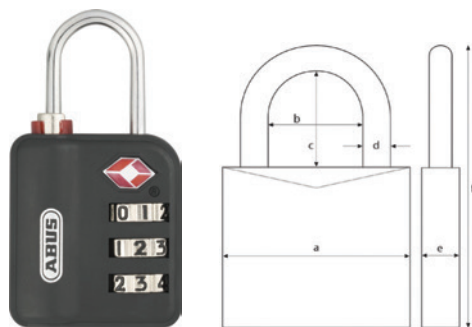
## PADLOCK

TSA approved Ø3/30 mm. 3 codedigits. Protection level 2.

**Item no.** 70413010

(TSA = can be opened by authority)

A	B	C	D	E	F
33	13	20,5	3	14	60



## SHARK TOOL CASE

Flightcase.



**PROFI.CASES**

**Item no.** 70143152 | **B&W no.** 115.03/P  
**Item no.** 70143165 | **B&W no.** 115.03/M

*The tools are for illustration only.*

## FLEX TOOL CASE

Tough with aluminum frame.



**Item no.** 70060130 | **B&W no.** 120.03/P  
**Item no.** 70060143 | **B&W no.** 120.03/L

## OUTDOOR.CASES

The outdoor cases has been developed for the toughest outdoor employment and is tested under the most extreme conditions.

The outdoor range is completely waterproof (tested to 5 metres), dustproof and airtight, and is for use in the temperature range -40°C to +80°C.



Foam



RPD

Type	Internal dimensions	External dimensions	Weight	Volume	Black / foam	Black / RPD	Yellow / foam	Yellow / RPD
200	135 x 75 x 20 mm	150 x 105 x 35 mm	-	-	70515003 (EMPTY)	-	-	-
500	205 x 145 x 80 mm	230 x 180 x 90 mm	0,5 kg	2,3 L	70515005	-	70515010	-
1000	250 x 175 x 95 mm	270 x 215 x 105 mm	0,7 kg	4,1 L	70515105	70515108	70515110	70515113
2000	250 x 175 x 155 mm	270 x 215 x 165 mm	0,9 kg	6,6 L	70515205	70515208	70515210	70515213
3000	330 x 235 x 150 mm	365 x 295 x 170 mm	1,7 kg	11,7 L	70515305	70515308	70515310	70515313
4000	385 x 265 x 165 mm	420 x 325 x 180 mm	2,3 kg	16,6 L	70515405	70515408	70515410	70515413
5000	430 x 300 x 170 mm	470 x 365 x 190 mm	2,9 kg	22,1 L	70515505	70515508	70515510	70515513
5500	430 x 300 x 300 mm	495 x 365 x 315 mm	4,0 kg	37,9 L	70515555	-	-	-
6000	475 x 350 x 200 mm	510 x 420 x 215 mm	3,9 kg	32,6 L	70515605	70515608	70515610	70515613
6500	585 x 415 x 210 mm	660 x 490 x 230 mm	6,2 kg	51,0 L	70515655	70515658	-	-
6700*	535 x 360 x 225 mm	610 x 430 x 265 mm	6,8 kg	42,8 L	70515675	70515678	-	-
6800*	585 x 410 x 295 mm	660 x 490 x 335 mm	8,7 kg	70,9 L	70515685	70515688	-	-

\* Can also be delivered as a trolley model with wheels and telescopic handle.



Solid handle, pressure relief membrane and option for nameplate  
- standard on every **OUTDOOR.CASES**



Strong locking mechanism is standard  
on every **OUTDOOR.CASES**



Special cutted foam, are available  
for every **OUTDOOR.CASES**



Case with foam, used for GoPro camera  
(type 1000/GoPro - contents are for illustration only).





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