

# Limit catalogue 25/26



**LIMIT**  
Precision Made Easy

# LUNA GROUP

## LUNA GROUP ESTONIA AS

info@luna.ee | luna.ee

Registrikood: 14576169

### TALLINN

Kadaka tee 131/1, Tallinn  
+372 5340 8770

**Avatud** E-R 8-17

### TARTU

Sirbi 13, Tartu  
+372 744 4447

**Avatud** E-R 8.30-17

### VILJANDI

Leola 58, Viljandi  
+372 5393 9333

**Avatud** E-R 8-17

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## SCRIBING TOOLS

### CALIPERS LIMIT

Wing divider. Of steel. Rectangular shanks. With side-mounted arc and holder for pencil. Supplied without pencil.



<b>Article no.</b>	<b>24280109</b>	<b>24280208</b>
ETIM class code	EC001195	EC001195
Length	175 m	300 m
Size, max	190 mm	350 mm
Number/pack.	1 PCS	1 PCS

### WING DIVIDER LIMIT

Made of steel. Rectangular shanks. With hardened points. Side-mounted arc. Length 400–500 mm. With round shanks.



<b>Article no.</b>	<b>24290207</b>	<b>24290405</b>	<b>24290702</b>	<b>24290801</b>
ETIM class code	EC001195	EC001195	EC001195	EC001195
Length	150 m	200 m	300 m	400 m
Size, max	170 mm	235 mm	390 mm	545 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

<b>Article no.</b>	<b>24291007</b>
ETIM class code	EC001195
Length	500 m
Size, max	670 mm
Number/pack.	1 PCS

### DIVIDER LIMIT

Dividers. With flat shanks and hardened points. Fitted with adjusting nut.



<b>Article no.</b>	<b>24440406</b>	<b>24440505</b>	<b>24440703</b>
ETIM class code	EC002229	EC002229	EC002229
Length	150 m	200 m	300 m
Size, max	150 mm	190 mm	275 mm
Number/pack.	1 PCS	1 PCS	1 PCS

### INSIDE CALIPER 150/200/300 MM LIMIT

Inside calipers. With flat shanks and hardened points. Fitted with adjusting nut.



<b>Article no.</b>	<b>24450405</b>	<b>24450504</b>	<b>24450702</b>
ETIM class code	EC002229	EC002229	EC002229
Length	150 m	200 m	300 m
Size, max	150 mm	180 mm	260 mm
Number/pack.	1 PCS	1 PCS	1 PCS

### SPRING CALIPERS LIMIT

Outside calipers. With flat shanks and hardened points. Fitted with adjusting nut.



<b>Article no.</b>	<b>24430407</b>	<b>24430506</b>	<b>24430704</b>
ETIM class code	EC002229	EC002229	EC002229
Length	150 m	200 m	300 m
Size, max	125 mm	170 mm	250 mm
Number/pack.	1 PCS	1 PCS	1 PCS

## SCRIBING TOOLS

### DIVIDER LIMIT

Made of steel. Rectangular shanks. With hardened points.

Article no.	24320400	24320707
ETIM class code	EC001195	EC001195
Length	200 m	300 m
Size, max	380 mm	580 mm
Number/pack.	1 PCS	1 PCS



### INSIDE CALIPERS 200/300/500 MM LIMIT

With flat shanks and adjusting nut.

Article no.	24400509	24400707	24401002
ETIM class code	EC001195	EC001195	EC001195
Length	200 m	300 m	500 m
Size, max	370 mm	570 mm	950 mm
Number/pack.	1 PCS	1 PCS	1 PCS



### OUTSIDE CALIPERS LIMIT

With flat shanks and adjusting nut.

Article no.	24390502	24390700	24391005	24391104
ETIM class code	EC001195	EC001195	EC001195	EC001195
Length	200 m	300 m	500 m	900 m
Size, max	300 mm	500 mm	850 mm	1500 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



### SCRIBER 2482-150 LIMIT

Propelling pen with automatic locking. Point of hard metal. With clip.

Article no.	24821001
ETIM class code	EC002187
Length	150 m
Number/pack.	1 PCS



Article no.	Accessories	decription_table	Number/pack.
24821001	24820201	SPARE POINT 2,0X20MM	1 PCS

### SCRIBER HM TIP WITH CLIP LIMIT 150MM

With tungsten carbide tip. Hexagonal, smooth shaft. With clip. Article 24740201 contains 10 pcs without hanger.

Article no.	24740201	24741001
Diameter	6 mm	6 mm
ETIM class code	EC002137	EC002187
Length	150 m	150 m
Number/pack.	1 PCS	1 PCS



## SCRIBING TOOLS

### SCRIBER LIMIT

With hard metal point. Round, knurled handle. With clip.



<b>Article no.</b>	<b>24750101</b>
Diameter	7 mm
ETIM class code	EC002137
Length	130 m
Number/pack.	1 PCS

### SCRIBER WITH HOLDER LIMIT

With hard metal tip. The blade is reversible and can be pushed into the holder. With plastic holder.



<b>Article no.</b>	<b>24850109</b>
Diameter	7 mm
ETIM class code	EC002137
Length	90 m
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
24850109	24850208	EXTRA BLADE 2485	1 PCS

### SCRIBER WITH AUTOMATIC CENTRE PUNCH LIMIT

For both scribing and centre punching. Pressing the tip in the pen releases the mainspring for the centre punch. Tip of chrome vanadium steel. Rubber grip.



<b>Article no.</b>	<b>102300100</b>
ETIM class code	EC002187
Length	140 m
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
102300100	102300209	EXTRA TIP FOR AUTOM.CENT.PUNCH	1 PCS

### SCRIBER LIMIT

With a straight and a curved scriber tip. Hardened. Round, knurled shaft. Packaged individually in a plastic pouch. 52530102 with steel tip. 52530201 with tungsten carbide tip.



Article no.	52530102	52530201
ETIM class code	EC002137	EC002137
Length	240 m	240 m
Tip diameter	4 mm	4 mm
Tip format	Round	Round
Number/pack.	1 PCS	1 PCS

### SCRIBING GAUGE 200 MM LIMIT

Of stainless steel. Measuring rod and slide as sliding caliper. Roller housed in ball bearings as stock when scribing to edge of workpiece. Graduated in mm with vernier scale 1/10 mm of 39 mm length. Replaceable hardened scriber. Supplied in plastic case.



<b>Article no.</b>	<b>97170104</b>
ETIM class code	EC004392
Graduated length	200 mm
Tip diameter	2 mm
Tip length	32 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
97170104	97170203	SCRIBING PIN	1 PCS



## SCRIBING TOOLS

### TRAMMEL LIMIT

Flat beam and with fine adjustment. Interchangeable hardened scriber. Reading 0,1 mm.

Article no.	24202004	24202103	24202202	24202301
Diameter	1000 mm	2000 mm	3000 mm	4000 mm
ETIM class code	EC002229	EC002229	EC002229	EC002229
Length	500 m	1000 m	1500 m	2000 m
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
24202004	24202400	EXTRA POINT	1 PCS
24202103	24202400	EXTRA POINT	1 PCS
24202202	24202400	EXTRA POINT	1 PCS
24202301	24202400	EXTRA POINT	1 PCS



### SCRIBING TEMPLATE LIMIT 200 300

Scribing template in matt chrome plated aluminium for scribing against the edge with a scriber. Graduated scale. Hardened scribing edge.

Article no.	272380106	272380205
Design	Analogue	Analogue
ETIM class code	EC004392	EC004392
Manufacturer's description	MGB 200	MGB 300
Measurement length	0-200 mm	0-300 mm
Measurement units	Mm	Mm
Width	38 mm	38 mm
Number/pack.	1 PCS	1 PCS



272380106



272380205

### SCRIBING GAUGE LIMIT

For scribing with scriber to edge. Graduated scale. Hardened scribing edge.

Article no.	23790108	23790207
ETIM class code	EC004392	EC004392
Length	0-200 mm	0-300 mm
Width	40 mm	40 mm
Number/pack.	1 PCS	1 PCS



### SCRIBING GAUGE 2396 LIMIT

Made of steel. Scale graduated in millimetres. Enamelled. Supplied complete with lead-pencil.

Article no.	23960107
ETIM class code	EC004392
Graduated length	200 mm
Number/pack.	1 PCS



### SCRIBING GAUGE 300 MM FOR METAL LIMIT

Chromium-plated scale round rod. Cast round stop of cast iron. Replaceable scriber. With fine adjustment. Nonie reading 0.1 mm.

Article no.	24131005
ETIM class code	EC004392
Length	300 m
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
24131005	24131104	EXTRA POINT	1 PCS



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## SCRIBING TOOLS

### SURFACE GAUGE SGA 300MM LIMIT

Round base. Holder for lifting and lowering scribe. With one straight and one bent steel point.



Article no.	52380409
ETIM class code	EC002187
Height	300 mm
Weight	700 kg
Number/pack.	1 PCS

### SURFACE GAUGE SGB 300MM LIMIT

Heavy duty base with V-groove in bottom. The base has two through guide pins. The spindle is mounted in a rocker arm, with screw for fine adjusting. With one straight and one bent steel point.



Article no.	52430204
ETIM class code	EC002187
Height	300 mm
Weight	1500 kg
Number/pack.	1 PCS

## SCRIBING TEMPLATE

### SCRIBING TEMPLATE 24144

Scribing template for marking and scribing on plate 5-100 mm. Made of 1.3 mm stainless steel sheet.



Article no.	241440106
ETIM class code	EC004392
Length	95 mm
Width	135 mm
Number/pack.	1 PCS



## AIR HUMIDITY METER

### INDUSTRIAL THERMOMETER LIMIT 60

Digital sensor thermometer. Two channels for simultaneous measurement with two different sensors. Up to 99 measurements can be stored over time, either with preset time intervals or manual registration. Stored measurements can be transferred to PC. Register max/min value, difference between measurement points. Hold function. The instrument is easy to adjust if the sensor gives an incorrect reading. Display lighting. Switch between °C and °F. Low battery power warning. Sensor types K, J and E can be used. Includes wire sensor max. 260 °C, USB cable, software, battery and Swedish user manual. 15321-0208 Plug-in sensor air/liquid type K -50 to +600 °C. Sensor length 180 mm. Cable length 1000 mm. 15321-0307 Surface sensor type K -50 to +500 °C. Sensor length 125 mm. Cable length 1000 mm. 12860-0301 Wire sensor -50 to +260 °C. Wire length 900 mm.

<b>Article no.</b>	<b>153210109</b>
Battery	9 (1 x 6F22)
Battery size	6F22 (9 V)
Length	175 mm
Manufacturer's description	60
Max. working temperature	50 °C
Measurement range	-200 till +1370 mm
Precision	0.8 ±0.5% °C
Resolution	0.1 mm
Storage temperature, max	60 °C
Storage temperature, min	-40 °C
Thickness	8 mm
Weight	270 kg
Width	30 mm
Work temperature, min	-10 °C
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
153210109	153210307	PROBE TYPE-K	1 PCS
153210109	153210208	PROBE TYPE-K	1 PCS



## AIR HUMIDITY METERS – ACCESSORIES

### PLUG-IN SENSOR AND SURFACE SENSOR FOR INDUSTRIAL THERMOMETER LIMIT 60

Accessories for industrial thermometer Limit 60.

Article no.	153210208	153210307
Description	Plug-in sensor air/liquid type K -50 to +600 °C	Surface sensor type K -50 to +500 °C.
ETIM class code	EC001195	EC001195
Number/pack.	1 PCS	1 PCS



153210208



153210307

## IR THERMOMETERS

### IR THERMOMETER LIMIT 94

Professional, non-contact infrared thermometer in an ergonomic design. Measures outdoor temperature up to 380°C with high accuracy and quick reading. Reliable measurement thanks to the two laser points that mark the outer edges of the measuring range diameter. D:S factor 12:1. Adjustable emission factor. Records max and min temperatures. Inverted LCD display with 8 mm main digits. Switch between °C and °F. Suitable for the food industry, property, safety and fire inspections, plastic moulding, asphaltting, industrial maintenance, etc. 9V battery included.



<b>Article no.</b>	<b>272840109</b>
Background lit Display	Yes
Battery type IEC	6F22
Emission factor, max	0.95
Emission factor, min	0.95
Enclosure class IP	IP4X
Height	131 mm
High/low alarm	No
Length	96 mm
Manufacturer's description	94
Max. working temperature	50 °C
Measurement units	°C, °F
No. of batteries	1 qty
Number of laser markers	2
Ratio distance/measurement area	12:1
Shatter test	1 m
Spectral range	8-14 μm
Temperature inaccuracy	-50°C > 20°C (-58°F > 68°F) ±2.5°C (4.5°F), 20°C > 380°C (68°F > 716°F) ±1.0% ±1.0°C (1.8°F),
Temperature measurement range , max	380 IR
Temperature measurement range , min	-50 IR
Temperature resolution	0.1 °C
Weight	130 kg
Width	35 mm
Work temperature, min	0 °C
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
272840109	644700825	BATTERY LONGLIFE POWER 6LR61 9	1 PCS

### IR THERMOMETER LIMIT 95

Professional, non-contact infrared thermometer in an ergonomic design. Measures outdoor temperature up to 550°C with high accuracy and quick reading. Reliable measurement thanks to the two laser points that mark the outer edges of the measuring range diameter. D:S factor 12:1. Adjustable emission factor. Records max temperature. Alarm function when a preset value is reached. A special function allows continuous measurement without pressing the trigger. LCD display with 10mm main digits and backlighting. Switch between °C and °F. Suitable for the food industry, property, safety and fire inspections, plastic moulding, asphaltting, industrial maintenance, etc. 9V battery included.



<b>Article no.</b>	<b>272840208</b>
Background lit Display	Yes
Battery type IEC	6F22
Emission factor, max	1
Emission factor, min	0.1
Enclosure class IP	IP4X
Height	146 mm
High/low alarm	Yes
Length	104 mm

## IR THERMOMETERS

### IR THERMOMETER LIMIT 95

<b>Article no.</b>	<b>272840208</b>		
Manufacturer's description	95		
Max. working temperature	50 °C		
Measurement units	°C, °F		
No. of batteries	1 qty		
Number of laser markers	2		
Ratio distance/measurement area	12:1		
Shatter test	1 m		
Spectral range	8-14 µm		
Temperature inaccuracy	-50°C > 20°C (-58°F > 68°F) ±2.5°C (4.5°F), 20°C > 300°C (68°F > 572°F) ±1.0% ±1.0°C (1.8°F),		
Temperature measurement range , max	550 IR		
Temperature measurement range , min	-50 IR		
Temperature resolution	0.1 °C		
Weight	177 kg		
Width	43 mm		
Work temperature, min	0 °C		
Number/pack.	1 PCS		
<b>Article no.</b>	<b>Accessories</b>	<b>decription_table</b>	<b>Number/pack.</b>
272840208	644700825	BATTERY LONGLIFE POWER 6LR61 9	1 PCS

### IR THERMOMETER LIMIT 96

Professional, non-contact infrared thermometer in an ergonomic design. Measures outdoor temperature up to 800°C with high accuracy and quick reading. Reliable measurement thanks to the two laser points that mark the outer edges of the measuring range diameter. D:S factor 10:1. Adjustable emission factor. Records max and min temperatures. Alarm function when a preset values are reached. A special function allows continuous measurement without pressing the trigger. LCD display with 12 mm main digits and backlighting. Switch between °C and °F. Suitable for the food industry, property, safety and fire inspections, plastic moulding, asphaltting, industrial maintenance, etc. 9V battery included.



<b>Article no.</b>	<b>272840307</b>		
Background lit Display	Yes		
Battery type IEC	6F22		
Emission factor, max	1		
Emission factor, min	0.1		
Enclosure class IP	IP4X		
Height	160 mm		
High/low alarm	Yes		
Length	82 mm		
Manufacturer's description	96		
Max. working temperature	50 °C		
Measurement units	°C, °F		
No. of batteries	1 qty		
Number of laser markers	2		
Ratio distance/measurement area	10:1		
Shatter test	1 m		

## IR THERMOMETERS

### IR THERMOMETER LIMIT 96

<b>Article no.</b>	<b>272840307</b>
Spectral range	8-14 µm
Temperature inaccuracy	-35°C > 20°C (-58°F > 68°F) ±2.5°C (4.5°F), 20°C > 300°C (68°F > 572°F) ±1% ± 1, 300°C > 800°C (572°F > 1472°F) ±1.5% ± 1,
Temperature measurement range , max	800 IR
Temperature measurement range , min	-35 IR
Temperature resolution	0.1 °C
Weight	292 kg
Width	41.5 mm
Work temperature, min	0 °C
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
272840307	644700825	BATTERY LONGLIFE POWER 6LR61 9	1 PCS

### IR THERMOMETER LIMIT 97 IP 65

Our new infrared thermometer Limit 97 is a solid and durable product. It uses infrared measurement with twin points that measure the temperature quickly and precisely. With an IP 65 classification, it can handle the toughest environments. You can set it to measure either °C or °F, as well as different materials and surfaces, memorize max and min temperatures and use it in dark spaces thanks to the LCD display and backlight. Battery 9V included.



<b>Article no.</b>	<b>266880103</b>
Background lit Display	Yes
Battery type IEC	6F22
Emission factor, max	1
Emission factor, min	0.1
Enclosure class IP	IP65
Height	65 mm
High/low alarm	Yes
Length	189 mm
Manufacturer's description	97
Max. working temperature	50 °C
Measurement units	°C, °F
No. of batteries	1 qty
Ratio distance/measurement area	12:1
Shatter test	3 m
Temperature inaccuracy	0°C - 100°C +1.8°C / 101°C - 650°C ±1.8%.< 0°C: ± (1.8°C+0.1 °C/°C)
Temperature measurement range , max	650 IR
Temperature measurement range , min	-35 IR
Temperature resolution	0.1 °C
Weight	292 kg
Width	118 mm
Work temperature, min	0 °C
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
266880103	644700825	BATTERY LONGLIFE POWER 6LR61 9	1 PCS

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## IR THERMOMETERS

### IR-THERMOMETER LIMIT 98

Professional, non-contact infrared thermometer in an ergonomic design. Measures outdoor temperature up to 2200 °C with high accuracy and quick reading. Reliable measurement thanks to the two laser points that mark the outer edges of the measuring range diameter. D:S factor 50:1. Adjustable emission factor. Records max-min difference average values. Alarm function when a preset values are reached. A special function allows continuous measurement without pressing the trigger, IR measurement and KP measurement. LCD display with 12 mm main digits and backlighting. Switch between °C and °F. Can transfer the results to your computer via USB cable.

Suitable for the food industry, property, safety and fire inspections, plastic moulding, asphaltting, industrial maintenance, etc.

Supplied with a practical case, table tripod, 9V battery, USB cable, KP sensor 0-250°C.



<b>Article No.</b>	<b>272840406</b>
Manufacturer's description	98
Temperature measurement range (IR), max	2200 °C
Temperature measurement range (IR), min	-50 °C
Number of laser markers	2
Temperature measurement range (K-sensor), max	1370 °C
Temperature measurement range (K-sensor), min	-50 °C
Temperature inaccuracy	-50°C > 20°C (-58°F > 68°F) ±3.0°C (5.4°F), 20°C > 500°C (68°F > 932°F) ±1.0% ± 1.0°C (1.8°F), 500°C > 1000°C (932°F > 1832°F) ±1.5%, 1000°C > 2200°C (1832°F > 3992°F) ±2.0%
High/low alarm	Yes
Temperature resolution	0.1
Ratio distance/measurement area	50:1
Emission factor, max	1
Emission factor, min	0.1
Max. working temperature	50 °C
Background lit Display	Yes
Spectral range	8-14 µm
Shatter test	1 m
No. of batteries	1 st
Weight	320 g
Width	52 mm
Height	204 mm
Length	155 mm
Enclosure class IP	IP4X
Measurement units	°C, °F
Battery type IEC	6F22

## MATERIAL MOISTURE METERS

### MOISTURE METER LIMIT 6101

Easy-to-use, handheld moisture meter for measuring the moisture content in timber/wood by pressing two measuring tips into the material. The measurement result is displayed directly on the LCD screen. The protective cover also has a calibration section to ensure accurate readings. The unit has 5 material groups that are easy to select depending on the type of wood to be measured. The display features 12 mm high digits and backlighting which switches off automatically after 30 seconds. Suitable for carpenters, house inspectors, woodworkers and homeowners. Battery included.



<b>Article no.</b>	<b>233840206</b>
Air humidity resolution	1 %
Battery type	Alkaline
Battery type IEC	6F22
ETIM class code	EC003424
Length	160 mm
Material groups	5
Max. working temperature	0 <75% RH °C
Moisture content , max	42 wood
Moisture content , min	5 wood
No. of batteries	1 qty
Precision	±2% <28%, ±5% >28% °C
Storage temperature, max	+50 <85% RH °C
Storage temperature, min	-20 <85% RH °C
Thickness	30 mm
Weight	136 kg
Width	63 mm
Work temperature, min	40 <75% RH °C
Number/pack.	1 PCS

### MOISTURE METER SCANNER LIMIT 6200

Non-destructive moisture meter in a compact design. The instrument is used to detect moisture and water damage in construction materials such as wood and concrete structures, to a depth of approx. 30–40 mm. It is also possible to detect moisture behind tiles or under/behind different floor or wall surface layers. Capacitative measuring method with a high frequency dielectric field. Provides a quick indication of the moisture content of the material. Move the detector over the surface and read the moisture values in the display. The backlit display also shows the air temperature. Temperature compensated for increased measuring accuracy. Supplied complete with 9 V battery. Manual included.



<b>Article no.</b>	<b>267150100</b>
Air humidity resolution	0.1 %
Battery type	Alkaline
Battery type IEC	6F22
ETIM class code	EC003424
Length	104 mm
Manufacturer's description	6200
Max. working temperature	50 °C
Measurement depth wood and building materials approx.	30-40 mm
Moisture content , max	50 wood
Moisture content , min	0 wood
No. of batteries	1 qty
Thickness	24 mm
Weight	110 kg
Width	64 mm
Work temperature, min	0 °C
Number/pack.	1 PCS

## SOUND LEVEL METER

### DECIBEL METER LIMIT 7000

Digital sound level meter. Two different filter curves A or C and Fast or Slow sound recording. The A-filter corresponds to the human ear's sensitivity to frequencies and is suitable for environmental sound measurements. The C-filter is linear and is ideal for inspecting machines. 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 measured instantaneously or by giving a mean value over a selected time period, from 10 seconds to 24 hours. Integrated memory for 30 measurements, or the instrument can be connected to a PC to register the measurement values. Registration of max. value. Alarm function indicates via an 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 shut-off. Integrated calibration function 94 dB. Swedish user guide. Battery not included. Conforms to standard IEC 651 Type 2, ANSI 1.4 Type 2.



<b>Article no.</b>	<b>151520103</b>
Battery type ANSI	AAA
ETIM class code	EC011083
Frequency range, max	12500 Hz
Frequency range, min	20 Hz
Length	236 mm
Manufacturer's description	7000
Memory slots	30 qty
No. of batteries	4 qty
Noise level measurement range, max	130 dB
Noise level measurement range, min	30 dB
Noise level resolution	0.1 dB
Precision	±1 °C
Thickness	26 mm
Updating rate	125 m/s
Weight	170 kg
Width	63 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
151520103	151520202	CABEL AND SOFTWARE RS232	1 PCS
151520103	151520400	AC ADAPTER 230V	1 PCS
151520103	151520301	SOUND CALIBRATOR	1 PCS

## SOUND LEVEL METERS – ACCESSORIES

### BATTERY ADAPTER FOR DECIBEL METER LIMIT 7000

Accessories for decibel meter Limit 7000.

<b>Article no.</b>	<b>151520400</b>
ETIM class code	EC001187
Number/pack.	1 PCS



### DATA CABLE FOR DECIBEL METER LIMIT 7000

Accessories for decibel meter Limit 7000.

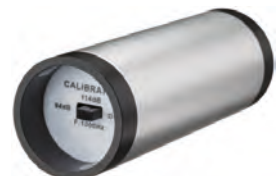
<b>Article no.</b>	<b>151520202</b>
Description	Data cable with software for connection to PC. Connection RS-232
Number/pack.	1 PCS



### SOUND CALIBRATOR FOR DECIBEL METER LIMIT 7000

Accessories for decibel meter Limit 7000.

<b>Article no.</b>	<b>151520301</b>
Description	Sound calibrator 94 and 114 dB
ETIM class code	EC001195
Number/pack.	1 PCS





## CLIP-ON AMMETERS

### CLIP-ON AMMETER LIMIT DCM 2

Digital clamp multimeter with NCV detecting measures DC/AC voltage, AC current and current frequency, resistance. Also testing diode, continuity with buzzer, datahold, low battery capacity warning. Supplied completely with test leads, carrying case, 2x AAA batteries and manual. Max. display 4099. Safety insulation CAT II 600 V/CAT III 300 V according to IEC 61010.



<b>Article no.</b>	<b>128560117</b>
Automatic shutoff	15 min
Background lit Display	Yes
Battery type	Alkaline
Battery type ANSI	AAA
Current inaccuracy	± (4%+10) AC
Current measurement range , max	400 AC
Current measurement range , min	4 AC
Current resolution	0,001A AC
Digit height	15 mm
ETIM class code	EC000069
Length	215 mm
Manufacturer's description	DCM 2
No. of batteries	2 qty
Resistance inaccuracy	± 1%+2
Resistance measurement range, max	40 MΩ
Resistance measurement range, min	400 Ω
Resistance resolution	0,1 Ω
Safety classification	CAT II 600V/ CAT III 300V
Voltage inaccuracy	± (1%+5) AC
Voltage measurement range max	600 AC
Voltage measurement range min	400 DC
Voltage resolution	0,1 DC
Weight	0.248 kg
Width	63,5 mm
Number/pack.	1 PCS

## CLIP-ON AMMETERS

### CLIP-ON AMMETER LIMIT DCM 3

True RMS digital clip-on ammeter/multimeter with automatic range. For measuring direct/alternating voltage, AC/DC, resistance, diode, continuity, frequency and duty ratio. None-contact voltage detection, auto power off saving battery. Supplied complete with test cables, storage case, batteries and manual. Safety isolation CAT II 600 V, CAT III 300V.



<b>Article no.</b>	<b>144870110</b>
Automatic shutoff	15 min
Background lit Display	Yes
Battery type	Alkaline
Battery type ANSI	AAA
Current inaccuracy	± (2%+5) DC
Current measurement range , max	400 DC
Current measurement range , min	40 DC
Current resolution	0,01 DC
ETIM class code	EC000069
Frequency inaccuracy	± (0.1%+4)
Frequency measurement range, max	10 MHz
Frequency measurement range, min	10 Hz
Frequency resolution	0,01 Hz
Length	215 m
Manufacturer's description	DCM 3
No. of batteries	2 qty
Resistance inaccuracy	± (1.0 + 2) - ± (2.5 % + 5)
Resistance measurement range, max	40 MΩ
Resistance measurement range, min	400 Ω
Resistance resolution	0,1 Ω
Safety classification	CAT II 600 V, CAT III 300V
Thickness	36 mm
Voltage inaccuracy	± (1.0 +5) - ± (0. 5%+2) AC
Voltage measurement range max	600 AC
Voltage measurement range min	400 DC
Voltage resolution	0,1 DC
Weight	0.235 kg
Width	63.5 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
144870110	200580306	CABLES FOR ALIGATOR CLIPS	1 PCS

## CLIP-ON AMMETERS

### CLIP-ON AMMETER LIMIT DCM 4

True RMS digital clip-on ammeter/multimeter with automatic range. Large display for clear reading. For measuring direct/alternating voltage, AC/DC current, resistance, diode, continuity, capacitance, frequency and duty ratio. None-contact voltage detection. Supplied complete with test cables, storage case, batteries and manual. 6000- counts. Safety isolation CAT IV 600 V / CAT III 1000 V.



<b>Article no.</b>	<b>144860111</b>
Automatic shutoff	15 min
Background lit Display	Yes
Battery type	Alkaline
Battery type ANSI	AAA
Capacitance inaccuracy	$\pm (4.0\%+25)- \pm (10.0\%+9)$
Capacitance measurement range, max	60 mF
Capacitance measurement range, min	60 nF
Capacitance resolution	0.01 nF
Current inaccuracy	$\pm (2.0\%+5 \text{ digits}) \text{ DC}$
Current measurement range , max	1000 DC
Current measurement range , min	60 DC
Current resolution	0,01 DC
ETIM class code	EC000069
Frequency inaccuracy	$\pm 0.1\%+3 \text{ siffror}$
Frequency measurement range, max	1 MHz
Frequency measurement range, min	10 Hz
Frequency resolution	0.01 Hz
Length	272 mm
Manufacturer's description	DCM 4
No. of batteries	3 qty
Resistance inaccuracy	$\pm 1.0 + 3$
Resistance measurement range, max	60 M $\Omega$
Resistance measurement range, min	600 $\Omega$
Resistance resolution	0.1 $\Omega$
Safety classification	CAT III 1000V, CAT IV 600V
Thickness	43.5 mm
Voltage inaccuracy	$\pm 1.2\% (+3 \text{ digits})-\pm (1.0\%+8 \text{ digits}) \text{ AC}$
Voltage measurement range max	1000 AC
Voltage measurement range min	600 DC
Voltage resolution	0.1 DC
Weight	0.447 kg
Width	81 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
144860111	200580306	CABLES FOR ALIGATOR CLIPS	1 PCS

## MULTIMETER

### MULTIMETER LIMIT DM 320

Limit DM 320 multimeter is a handheld digital multimeter with high reliability and security (2000 counts). With its large screen, high-resolution display, overload protection, and unique design, it is a new and highly practical digital multimeter. The meter can measure AC/DC voltage/ current, resistance, continuity, temperature and be used to test diodes. With a backlit display to allow easy reading in dark environments. Featuring data hold, Max measurement, low battery indication and auto power off, the meter is ideal for many applications.

<b>Article No.</b>	<b>289550006</b>
Backlight	Yes
Working temperature	40 °C
Voltage measurement range (AC) max	500 V
Voltage measurement range (AC) min	200 mV
Voltage inaccuracy (AC)	$\pm(0,8\% +3) - \pm(1,2\% +5)$
Voltage resolution (AC)	0,1 mV
Voltage measurement range (DC) max	500 V
Voltage measurement range (DC) min	200 mV
Voltage inaccuracy (DC)	$\pm(0,5\% +3) - \pm(1\% +5)$
Voltage resolution (DC)	0,1 mV
Current measurement range (AC), max	10 A
Current measurement range (AC), min	200 $\mu$ A
Current inaccuracy (AC)	$\pm(1,8\% +3) - \pm(3\% +10)$
Current resolution (AC)	0,1 $\mu$ A
Current measurement range (DC), max	10 A
Current measurement range (DC), min	200 $\mu$ A
Current inaccuracy (DC)	$\pm(1\% +5) - \pm(2,5\% +5)$
Current resolution (DC)	0,1 $\mu$ A
Resistance measurement range, max	20 M $\Omega$
Resistance measurement range, min	200 $\Omega$
Resistance inaccuracy	$\pm(1\% +2) - \pm(1,2\% +8)$
Resistance resolution	0,1 $\Omega$
Temperature measurement range, min	-20 °C / -4 °F
Temperature inaccuracy	$\pm(2\%+3) - \pm(3\%+5)$
Temperature resolution	1 °C / 1 °F
Weight	200g
Number of batteries	1 st
Battery type	Alkaliska
Safety classification	CAT III 600V
Width	74 mm
Length	147 mm
Depth	46 mm
Nbattery type IEC	6F22
Auto Power off	15 min
Font height	18,5 mm



## MULTIMETER

### MULTIMETER LIMIT DM 410

Limit DM 410 multimeter is a handheld true RMS digital multimeter with high reliability and security (4000 counts). With its large screen, high-resolution display, overload protection, and unique design, it is a new and highly practical digital multimeter. The meter can measure AC/DC voltage/ current, resistance, continuity, capacitance, frequency, temperature and be used to test diodes, etc. With a backlit display to allow easy reading in dark environments. Featuring data hold, Min, Max and relative measurement, low battery indication, auto power off, live wire identification and non-contact voltage detection (NCV) functions, the meter is ideal for many applications.



<b>Article No.</b>	<b>289600009</b>
Backlight	Yes
Working temperature	40 °C
Voltage measurement range (AC) max	600 V
Voltage measurement range (AC) min	40 mV
Voltage inaccuracy (AC)	$\pm(0.8\%+3) - \pm(1.2\%+3)$
Voltage resolution (AC)	0,01 mV
Voltage measurement range (DC) max	600 V
Voltage measurement range (DC) min	40 mV
Voltage inaccuracy (DC)	$\pm(0.5\%+1) - \pm(0.8\%+2)$
Voltage resolution (DC)	0,01 mV
Current measurement range (AC), max	10 A
Current measurement range (AC), min	400 $\mu$ A
Current inaccuracy (AC)	$\pm(1\%+3) - \pm(1.0\%+10)$
Current resolution (AC)	0,1 $\mu$ A
Current measurement range (DC), max	10 A
Current measurement range (DC), min	400 $\mu$ A
Current inaccuracy (DC)	$\pm(0.8\%+1) - \pm(1\%+10)$
Current resolution (DC)	0,1 $\mu$ A
Resistance measurement range, max	40 M $\Omega$
Resistance measurement range, min	400 $\Omega$
Resistance inaccuracy	$\pm(0.8\%+1) - \pm(1\%+2)$
Resistance resolution	0,1 $\Omega$
Frequency measurement range, max	10 MHz
Frequency measurement range, min	4 Hz
Frequency inaccuracy	$\pm(0.1\%+2)$
Frequency resolution	0,001 Hz - 0,01 MHz
Capacitance measurement range, max	40 mF
Capacitance measurement range, min	40 nF
Capacitance inaccuracy	$\pm(4\%+15) - \pm(5\%+25)$
Capacitance resolution	10 pF
Temperature measurement range, max	750 °C / 1382 °F
Temperature measurement range, min	-20 °C / -4 °F
Temperature inaccuracy	$\pm(1\%+4) - \pm(3\%+3)$
Temperature resolution	1 °C / 1 °F
True RMS	Yes
Weight	229g
Number of batteries	2 st
Battery type	Alkaliska
Safety classification	CAT III 600V
Width	74 mm
Length	147 mm
Depth	46 mm
Battery type ANSI	AAA
Auto Power off	15 min
Font height	17,5 mm

## MULTIMETER

### MULTIMETER LIMIT DM 510

Limit DM 510 multimeter is a handheld true RMS digital multimeter with high reliability and security (3999 counts). With its large screen, high-resolution display, overload protection, and unique design, it is a new and highly practical digital multimeter. The meter can measure AC/DC voltage/ current, resistance, continuity, capacitance, frequency, temperature and be used to test transistors and diodes, etc. With a backlit display to allow easy reading in dark environments. Built in flashlight to help finding connections in dark places. Featuring data hold, low battery indication, auto power off, live wire identification and non-contact voltage detection (NCV) functions, the meter is ideal for many applications.

<b>Article No.</b>	<b>289500001</b>
Backlight	Yes
Working temprature	40 °C
Voltage measurement range (AC) max	750 V
Voltage measurement range (AC) min	4 V
Voltage inaccuracy (AC)	$\pm(0.8\%+3) - \pm(1.0\%+5)$
Voltage resolution (AC)	1mV
Voltage measurement range (DC) max	400 mV
Voltage inaccuracy (DC)	10 A
Current measurement range (AC), min	400 uA
Current inaccuracy (DC)	$\pm(0.8\%+1) - \pm(1\%+10)$
Current resolution (DC)	0,1 uA
Resistance measurement range, max	40 MΩ
Resistance measurement range, min	400 Ω
Resistance inaccuracy	$\pm(0.8\%+3) - \pm(1.5\%+10)$
Resistance resolution	0,1 Ω
Frequency measurement range, max	5 kHz
Frequency measurement range, min	9.999 Hz
Frequency inaccuracy	$\pm(0.1\%+2)$
Frequency resolution	0,001 Hz
Capacitance measurement range, max	40mF
Capacitance measurement range, min	9.999nF
Capacitance inaccuracy	$\pm(3\%+5) - \pm(10\%+5)$
Capacitance resolution	0,001 nF
Temperature measurement range, max	1000 °C / 1832 °F
Temperature measurement range, min	-40 °C / -40 °F
Temperature inaccuracy	$\pm(2\%+3) - \pm(3\%+3)$
Temperature resolution	1 °C / 1 °F
True RMS	Yes
Weight	347 g
Number of batteries	2 st
Battery type	Alkaliska
Safety classification	CAT III 1000V, CAT IV 600V
With	88 mm
Length	187 mm
Depth	54 mm
Battery type ANSI	AA
Auto Power off	15 min
Font height	25 mm



## MULTIMETER

### MULTIMETER LIMIT DM 510 AUTO

Limit DM 510 AUTO multimeter is a handheld true RMS digital multimeter with high reliability and security (6000 counts). With its large screen, high-resolution display, overload protection, and unique design, it is a new and highly practical digital multimeter. The meter can measure Dwell, Tachometer, AC/DC voltage/ current, resistance, continuity, capacitance, frequency, temperature and be used to test diodes, etc. With a backlit display to allow easy reading in dark environments. Built in flashlight to help finding connections in dark places. Featuring data hold, Min, Max and relative measurement, low battery indication, auto power off, the meter is ideal for many applications.



<b>Article No.</b>	<b>289450009</b>
Backlight	Yes
Working temperature	40 °C
Voltage measurement range (AC) max	750 V
Voltage measurement range (AC) min	6 V
Voltage inaccuracy (AC)	$\pm(0.8\%+3) - \pm(1.0\%+5)$
Voltage resolution (AC)	1 mV
Voltage measurement range (DC) max	1000 V
Voltage measurement range (DC) min	600 mV
Voltage inaccuracy (DC)	$\pm(0.5\%+3) - \pm(0.8\%+3)$
Voltage resolution (DC)	0,1 mV
Current measurement range (AC), max	10 A
Current measurement range (AC), min	60 mA
Current inaccuracy (AC)	$\pm(1.5\%+5) - \pm(1\%+10)$
Current resolution (AC)	0,01 mA
Current measurement range (DC), max	10 A
Current measurement range (DC), min	60 mA
Current inaccuracy (DC)	$\pm(0.8\%+1) - \pm(1\%+10)$
Current resolution (DC)	0,01 mA
Resistance measurement range, max	60 M $\Omega$
Resistance measurement range, min	600 $\Omega$
Resistance inaccuracy	$\pm(0.8\%+3) - \pm(1.5\%+10)$
Resistance resolution	0,1 $\Omega$
Frequency measurement range, max	600kHz
Frequency measurement range, min	10Hz
Frequency inaccuracy	$\pm(0.1\%+2)$
Frequency resolution	0,001 Hz
Capacitance measurement range, max	100 mF
Capacitance measurement range, min	10 nF
Capacitance inaccuracy	$\pm(3\%+5) - \pm(10\%+5)$
Capacitance resolution	0,01 nF
Temperature measurement range, max	1000 °C / 1832 °F
Temperature measurement range, min	-20 °C / -4 °F
Temperature inaccuracy	$\pm(2\%+3) - \pm(3\%+3)$
Temperature resolution	1 °C / 1 °F
True RMS	Yes
Weight	364 g
Number of batteries	2 st
Battery type	Alkaliska
Safety classification	CAT III 1000V, CAT IV 600V
Width	88 mm
Length	187 mm
Depth	54 mm
Battery type ANSI	AA
Auto Power off	15 min
Font height	25 mm



## MULTIMETER

### MULTIMETER LIMIT DM 630

Limit DM 630 multimeter is a handheld true RMS digital multimeter with high reliability and security (6000 counts). With its large screen, high-resolution display, overload protection, and unique design, it is a new and highly practical digital multimeter. The meter can measure AC/DC voltage/ current, resistance, continuity, capacitance, frequency, temperature and be used to test diodes, etc. With a backlit display to allow easy reading in dark environments. Built in flashlight to help finding connections in dark places. Featuring data hold, Min, Max, low battery indication, auto power off, live wire identification and non-contact voltage detection (NCV) functions and Bluetooth for data transfer makes this meter ideal for many applications.

Article No.	289420002
Backlight	Yes
Working temperature	40 °C
Voltage measurement range (AC) max	750 V
Voltage measurement range (AC) min	60 mV
Voltage inaccuracy (AC)	$\pm(0.8\%+3) - \pm(1.0\%+5)$
Voltage resolution (AC)	0,01 mV
Voltage measurement range (DC) max	1000 V
Voltage measurement range (DC) min	60 mV
Voltage inaccuracy (DC)	$\pm(0.5\%+3) - \pm(0.8\%+3)$
Voltage resolution (DC)	0,01 mV
Current measurement range (AC), max	10 A
Current measurement range (AC), min	600 $\mu$ A
Current inaccuracy (AC)	$\pm(1.5\%+5) - \pm(1\%+10)$
Current resolution (AC)	0,1 $\mu$ A
Current measurement range (DC), max	10 A
Current measurement range (DC), min	600 $\mu$ A
Current inaccuracy (DC)	$\pm(0.8\%+1) - \pm(1\%+10)$
Current resolution (DC)	0,1 $\mu$ A
Resistance measurement range, max	60 M $\Omega$
Resistance measurement range, min	600 $\Omega$
Resistance inaccuracy	$\pm(0.8\%+3) - \pm(1.5\%+10)$
Resistance resolution	0,1 $\Omega$
Frequency measurement range, max	10 MHz
Frequency measurement range, min	10 Hz
Frequency inaccuracy	$\pm(0.1\%+2)$
Frequency resolution	0,01 Hz
Capacitance measurement range, max	60 mF
Capacitance measurement range, min	60 nF
Capacitance inaccuracy	$\pm(3\%+5) - \pm(10\%+5)$
Capacitance resolution	0,01 nF
Temperature measurement range, max	1000 °C / 1832 °F
Temperature measurement range, min	-40 °C / -40°F
Temperature inaccuracy	$\pm(2\%+3) - \pm(3\%+3)$
Temperature resolution	1 °C / 1 °F
True RMS	Yes
Weight	347 g
Number of batteries	3 st
Battery type	Alkaliska
Safety classification	CAT III 1000V, CAT IV 600V
Width	88 mm
Length	187mm
Depth	54 mm
Battery type ANSI	AA
Auto Power off	15 min
Font height	25 mm



## MULTIMETERS - ACCESSORIES



### TEST CABLE FOR MULTIMETER, CLIP-ON AMMETER LIMIT

Accessories for multimeter, clip-on ammeter Limit.

Article no.	200580405
ETIM class code	EC001195
Number/pack.	1 SET

### TEST CABLES FOR CLIP-ON AMMETER

200580108. Test cables. Probes with spring sockets  $\varnothing$  4 mm, suitable for wall outlets, etc. Cable length 1.3 m. CAT III, 1000 V, 10 A. 200580207. 2 insulated crocodile clips. Opening 33 mm. CAT III, 1000V, 10A. 200580306. Cables for crocodile clips. Length 1.2 m. CAT III, 1000V, 10A. 198660102. Soft storage case. The above accessories are suitable for part no. 128600103, 128590106, 190180109, 128580107, 153220108, 128560109, 144870102, 144860103.



Article no.	200580108
Article description	Test cables 1.3 m. CAT III, 1000V, 10A
ETIM class code	EC001195
Number/pack.	1 PCS

### CABLES FOR CROCODILE CLIPS FOR MULTIMETER LIMIT

200580108. Test cables. Probes with spring sockets  $\varnothing$  4 mm, suitable for wall outlets, etc. Cable length 1.3 m. CAT III, 1000 V, 10 A. 200580207. 2 insulated crocodile clips. Opening 33 mm. CAT III, 1000V, 10A. 200580306. Cables for crocodile clips. Length 1.2 m. CAT III, 1000V, 10A. 198660102. Soft storage case. The above accessories are suitable for part no. 128600103, 128590106, 190180109, 128580107, 153220108, 128560109, 144870102, 144860103.



Article no.	200580306
ETIM class code	EC004142
Length	1.2 m
Number/pack.	1 PCS

### CROCODILE CLIPS FOR CLIP-ON AMMETERS AND MULTIMETERS

200580108. Test cables. Probes with spring sockets  $\varnothing$  4 mm, suitable for wall outlets, etc. Cable length 1.3 m. CAT III, 1000 V, 10 A. 200580207. 2 insulated crocodile clips. Opening 33 mm. CAT III, 1000 V, 10 A. 200580306. Cables for crocodile clips. Length 1.2 m. CAT III, 1000 V, 10 A. 198660102. Soft storage case. The above accessories are suitable for part no. 128600103, 128590106, 190180109, 128580107, 153220108, 128560109, 144870102, 144860103.



Article no.	200580207
Article description	Insulated crocodile clips CAT III, 1000V, 10A
ETIM class code	EC001195
Number/pack.	1 PCS

### CASE FOR MULTIMETER LIMIT

200580108. Test cables. Probes with spring sockets  $\varnothing$  4 mm, suitable for wall outlets, etc. Cable length 1.3 m. CAT III, 1000 V, 10 A. 200580207. 2 insulated crocodile clips. Opening 33 mm. CAT III, 1000V, 10A. 200580306. Cables for crocodile clips. Length 1.2 m. CAT III, 1000V, 10A. 198660102. Soft storage case. The above accessories are suitable for part no. 128600103, 128590106, 190180109, 128580107, 153220108, 128560109, 144870102, 144860103.



Article no.	198660102
ETIM class code	EC001195
Number/pack.	1 PCS

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## MULTIMETERS - ACCESSORIES

### TEMPERATURE SENSOR FOR MULTIMETER LIMIT

Accessories for multimeter, clip-on ammeter Limit.

Article no.	128600301
Article description	Extra temperature sensor for max. 260°C
ETIM class code	EC001195
Number/pack.	1 PCS

### EXTRA UNIVERSAL PLUG FOR MULTIMETER LIMIT 500

Accessories for multimeter, clip-on ammeter Limit.

Article no.	128590205
ETIM class code	EC001195
Number/pack.	1 PCS



## VOLTAGE DETECTORS

### VOLTAGE DETECTOR LIMIT 101

Used to check if electrical voltage is present in cables, wall sockets, etc. Distinguishes between phase and zero. Non-contact, just keep the tip close to an AC cable. LED torch used to illuminate dark working environments. Warning signal with red or green light and buzzer when the cable is live. Both automatic or manual shut-off. The instrument continuously checks and displays function and battery status with a regular flashing LED. Supplied with battery and manual. Built-in insulation CAT IV 1 000 V.



Article no.	145010112
Battery type	Alkaline
Battery type ANSI	AAA
ETIM class code	EC002781
Frequency measurement range, max	60 Hz
Frequency measurement range, min	50 Hz
Length	150 mm
Manufacturer's description	101
No. of batteries	2 qty
Voltage measurement range max	1000 AC
Voltage measurement range min	24 AC
Weight	0.026 kg
Width	18 mm
Number/pack.	1 PCS

## VOLTAGE TESTERS

### VOLTAGE TESTER LIMIT 110 / 112

Voltage tester and continuity tester with buzzer. Can also distinguish the phase from zero in single phase systems. Phase sequence test to check direction of rotation of 3-phase motors. Function check for RCD. Shows polarity + or - when measuring DC voltage. Built-in flash light. One-handed operation from the wall outlet controls. Switches on and off automatically. Supplied with tip cap, batteries and Swedish user guide. Insulation CAT IV 600 V according to IEC 61010. Water-resistant according to IP 65. 110. LEDs show voltage in 7 steps. 12-24-50-120-230-400-690 V. 112. Actual voltage value appears on the display plus LEDs.

## VOLTAGE TESTERS

### VOLTAGE TESTER LIMIT 112



<b>Article No.</b>	<b>144890100</b>
Voltage measurement range (AC) max	690 V
Voltage measurement range (AC) min	12 V
Voltage measurement range (DC) max	690 V
Voltage measurement range (DC) min	12 V
Optic continuity test	Yes
No. of batteries	2 st
Width	56 mm
Length	260 mm
Thickness	20 mm
Battery type ANSI	AAA

### VOLTAGE TESTER LIMIT 112



<b>Article no.</b>	<b>144890209</b>
Battery type ANSI	AAA
Display	Yes
ETIM class code	EC000494
Length	260 mm
Manufacturer's description	112
No. of batteries	2 qty
Optic continuity test	Yes
Thickness	20 mm
Voltage measurement range max	690 DC
Voltage measurement range min	12 DC
Width	56 mm
Number/pack.	1 PCS

## POCKST LENSES

### WORKSHOP LOUPE WITH 6X LENGTH SCALE LIMIT LPF

Foldable loupe with 6x magnification, with graduation in mm and inches, takes up almost no space at all, easy to carry.



<b>Article no.</b>	<b>272530106</b>
Magnification	6 times
Manufacturer's description	LIMIT LPF
Measuring scale graduation	1 mm
Scale length	26 mm
View size diameter	28 mm
Number/pack.	1 PCS

### LOUPE LIMIT 15 X FOLDING MODEL 21MM

Measuring loupe with 15 X magnification. Foldable and protected in a metal housing. Small and robust loupe suitable for quick analysis work.

<b>Article no.</b>	<b>167700202</b>
ETIM class code	EC004383
Length	25 mm
Magnification	15 X times
View size diameter	21 mm
Number/pack.	1 PCS

## POCKST LENSES

WORKSHOP LOUPE LIMIT WITH MEASURING SCALE. FOCUSING RING FOR SHARPNESS.



167800101



167800309



167800408

Workshop loupe Limit. Measuring loupe with measuring scale. Focusing ring for sharpness. 167800101 With length scale. LED lighting. 167800200 With length, angle and radius scale. LED lighting. 167800309 Measuring loupe with length scale, Focusing ring. 167800408 Set of scales to fit the loupe. Batteries included, 4 x 1.5 V AG9.

Article no.	167800101	167800309	167800408
ETIM class code	EC004383	EC004383	EC004383
Length	-	55 mm	-
Magnification	10 X times	10 X times	-
Measuring scale graduation	0.1 mm	0.1 mm	-
Scale length	20 mm	-	-
View size diameter	25 mm	25 mm	25 mm
Number/pack.	1 PCS	1 PCS	1 SET

Article no.	Accessories	decription_table	Number/pack.
167800101	644704405	BATTERY BUTTONC WA V377 SR66 2	1 PCS

## WORKSHOP POCKET LENS

With length scale. Ring for focussing of both object and length scale. Transparent acrylic tube underneath ensures good lighting.

Article no.	17100108
ETIM class code	EC004383
Magnification	10 times
Measuring scale graduation	0.1 mm
Scale length	20 mm
View size diameter	28 mm
Number/pack.	1 PCS



## MICROSCOPE

### MINI MICROSCOPE LIMIT

Mini microscope with length scale and LED light. Focusing ring for sharpness. Turnable length scale through 360°. Battery type AAA, not included.



<b>Article no.</b>	<b>167810100</b>
Battery type ANSI	AAA
ETIM class code	EC003973
Magnification	20 X times
Measuring scale graduation	0.1 mm
No. of batteries	2 qty
Scale length	5.6 mm
View size diameter	5.6 mm
Number/pack.	1 PCS

### MICROSCOPE LIMIT MINI LED 40 X SCALE

Microscope with 40 X magnification and built-in LED lighting. Flexible instrument used for workshop analysis. Battery not included.



<b>Article no.</b>	<b>167810209</b>
Battery type IEC	SR45
ETIM class code	EC003973
Length	170 mm
Magnification	40 X times
Measuring scale graduation	0.05 mm
No. of batteries	4 qty
View size diameter	3 mm
Number/pack.	1 PCS

## CROSS LINE LASERS

### CROSS DOT LASER LIMIT 1002 HVP

Combined cross laser and dot laser. Very bright and sharp laser lines. One horizontal line and one vertical line and 5 dots. The vertical line runs 115 degrees up to the ceiling. Self-levelling with magnetic damping compensator. Warns with flashing laser and audio when the laser does not manage to level. The lines and dots can be lit individually or together. The main power switch provides mechanical locking of the pendulum thus act as transit protection. Can be used outdoors or in bright rooms with a separate laser detector (not included). 2 laser diodes class 15 mw, 635 nm for lines and 1 x 10 mw 635 nm for dots. Supplied together with mount for tripod/wall mounting, reflective target plate, soft case and batteries.



<b>Article no.</b>	<b>178631008</b>
Battery	AA 1.5 (3 x AA)
Battery type	Alkaline
Depth	110 mm
Dimensions	120x110x65 mm
Dot accuracy	±4 mm/10 m mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	120 mm
Inaccuracy, horizontal, points	±4 mm/10 m
Inaccuracy, line	±3 mm/10 m
Inaccuracy, vertical, points	±4 mm/10 m
Laser type	Cross line laser
Levelling range	± 3 °
Line accuracy	±3 mm/10 m mm
Manufacturer's description	1002 HVP
Max. working temperature	45 °C
No. of batteries	3 qty

## CROSS LINE LASERS

### CROSS DOT LASER LIMIT 1002 HVP

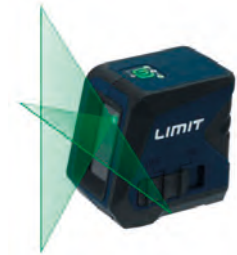
<b>Article no.</b>	<b>178631008</b>
Operating time	7 h
Threaded mount	1/4,5/8 inch
Weight	500 kg
Width	65 mm
Work temperature, min	-10 °C
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
178631008	178630307	TARGET PLATE RED	1 PCS
178631008	200570109	SUPPORT POLE	1 PCS
178631008	178630406	LASER GLASSES RED	1 PCS
178631008	178650800	WALL MOUNTING 1200/1300	1 PCS
178631008	181120106	SMALL TRIPOD	1 PCS
178631008	178630604	WALL MOUNT. CROSSL.LASER TILT	1 PCS
178631008	178680104	ALUMINIUM TRIPOD	1 PCS
178631008	178690103	ELEVATOR TRIPOD	1 PCS
178631008	244651303	TRIPOD FOR LASER 1/4 INCH	1 PCS
178631008	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS

### CROSS LINE LASER LIMIT CUBE 1000-G

Compact and lightweight green cross line laser with a horizontal and a vertical line. Self-levelling with magnetic damping compensator. Alternatively, self-levelling can be disconnected to show a sloping line. Mechanical locking of the pendulum acts both as a main switch and transport lock. Two laser diodes class 2M (For hanging pictures and installing shelves, kitchen frames, tiles or stairs and similar items indoors.) Supplied in a soft case with 2x AA batteries. Adapter 181120205 may be needed for accessories 181120106, 200570109, 178680104 and 178690103.

<b>Article no.</b>	<b>277460200</b>
Battery type	Alkaline
Battery type ANSI	AA
Depth	47 mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	66 mm
Inaccuracy, line	± 3 mm/10 m
Laser class	2M <1 mW
Laser diode	515 nm
Laser type	Cross line laser
Levelling range	± 3 °
Manufacturer's description	Limit 1000-G
Max. working temperature	45 °C
No. of batteries	2 qty
Operating time	13 h
Threaded mount	1/4 inch
Visibility	10- 15 m depending on lighting conditions
Weight	190 kg
Width	71 mm
Work range with receiver	40 m
Work temperature, min	-10 °C
Number/pack.	1 PCS





## CROSS LINE LASERS

### CROSS LINE LASER LIMIT CUBE 1000-G

Article no.	Accessories	decription_table	Number/pack.
277460200	200570109	SUPPORT POLE	1 PCS
277460200	644700734		4 PCS
277460200	277461000	UNIVERSAL CLAMP FOR LASER 1000	1 PCS
277460200	181120106	SMALL TRIPOD	1 PCS
277460200	178630604	WALL MOUNT. CROSSL.LASER TILT	1 PCS
277460200	644799512		10 PCS
277460200	178680104	ALUMINIUM TRIPOD	1 PCS
277460200	178630505	LASER GLASSES GREEN	1 PCS
277460200	178690103	ELEVATOR TRIPOD	1 PCS
277460200	244651303	TRIPOD FOR LASER 1/4 INCH	1 PCS
277460200	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS

### CROSS LINE LASER LIMIT CUBE 1000-R

Compact and lightweight red cross line laser with a horizontal and a vertical line. Self-levelling with magnetic damping compensator. Alternatively, self-levelling can be disconnected to show a sloping line. Mechanical locking of the pendulum acts both as a main switch and transport lock. Two laser diodes class 2M (For hanging pictures and installing shelves, kitchen frames, tiles or stairs and similar items indoors.) Supplied in a soft case with 2x AA batteries. Adapter 181120205 may be needed for accessories 181120106, 200570109, 178680104 and 178690103.



<b>Article no.</b>	<b>277460101</b>
Battery type	Alkaline
Battery type ANSI	AA
Depth	47 mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	66 mm
Inaccuracy, line	± 3 mm/10 m
Laser class	2M <1 mW
Laser diode	635 nm
Laser type	Cross line laser
Levelling range	± 3 °
Manufacturer's description	Limit 1000-R
Max. working temperature	45 °C
No. of batteries	2 qty
Operating time	22 h
Threaded mount	1/4 inch
Visibility	10 m depending on lighting conditions
Weight	190 kg
Width	71 mm
Work temperature, min	-10 °C
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
277460101	178630307	TARGET PLATE RED	1 PCS
277460101	200570109	SUPPORT POLE	1 PCS
277460101	178630406	LASER GLASSES RED	1 PCS
277460101	644700734		4 PCS
277460101	277461000	UNIVERSAL CLAMP FOR LASER 1000	1 PCS
277460101	181120106	SMALL TRIPOD	1 PCS
277460101	178630604	WALL MOUNT. CROSSL.LASER TILT	1 PCS
277460101	644799512		10 PCS

## CROSS LINE LASERS

### CROSS LINE LASER LIMIT CUBE 1000-R

Article no.	Accessories	decription_table	Number/pack.
277460101	178680104	ALUMINIUM TRIPOD	1 PCS
277460101	178690103	ELEVATOR TRIPOD	1 PCS
277460101	244651303	TRIPOD FOR LASER 1/4 INCH	1 PCS
277460101	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS

### CROSS LINE LASER LIMIT 1101-G

Cross line laser with very bright green laser light that provides a horizontal and a vertical line which runs 120 degrees up to the ceiling. Self-levelling function warns with flashing lines when the incline exceeds the self-levelling range. Alternatively, self-levelling can be disconnected to show a sloping line. Mechanical locking of the pendulum acts both as a main switch and transport lock. 2 laser diodes class 2, <1mw 635 nm. Can be used in bright rooms with a separate laser receiver 244652517 (not included) for up to 50 meters. Supplied with rechargeable battery with charger and USB cable, magnetic wall bracket and reflective target plate in a soft case. Adapter 244652418 may be needed for accessories 181120106, 200570109, 178650800, 178680104 & 178690103.



<b>Article no.</b>	<b>277460408</b>
Battery size	3_7_V_3_2_AH
Battery type	Li-ion
Depth	90 mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	95 mm
Inaccuracy, line	±3mm/10m
Laser class	2, < 1 mW
Laser diode	520 nm
Laser type	Cross line laser
Levelling range	3 ± 1 °
Manufacturer's description	1101-G
Max. working temperature	50 °C
No. of batteries	1 qty
Operating time	13 h
Threaded mount	1/4 inch
Visibility	30 m depending on lighting conditions
Weight	0.403 kg
Width	60 mm
Work range with receiver	50 m
Work temperature, min	-10 °C
Number/pack.	1 SET

Article no.	Accessories	decription_table	Number/pack.
277460408	200570208	BRACKET FOR LASER POLE	1 PCS
277460408	178680104	ALUMINIUM TRIPOD	1 PCS
277460408	244651303	TRIPOD FOR LASER 1/4 INCH	1 PCS
277460408	200570307	FOOT FOR LASER POLE	1 PCS
277460408	200570109	SUPPORT POLE	1 PCS
277460408	178630505	LASER GLASSES GREEN	1 PCS
277460408	181120106	SMALL TRIPOD	1 PCS
277460408	178690103	ELEVATOR TRIPOD	1 PCS
277460408	178630604	WALL MOUNT. CROSS.LASER TILT	1 PCS
277460408	244652517	LASER RECEIVER RED/GREEN LIMIT	1 PCS
277460408	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS

## CROSS LINE LASERS

### CROSS LINE LASER LIMIT 1101-G

Article no.	Accessories	decription_table	Number/pack.
277460408	244652210	BACK CLAMP FOR LIMIT LASER 1101/1180	1 PCS
277460408	244652111	USB CABLE & PLUG FOR RECHARGEABLE BATTERY LIMIT	1 PCS
277460408	244652012	BATTERY RECHARGEABLE FOR LIMIT LASER 1101/1180	1 PCS
277460408	244652319	TRIPOD ALUMINIUM FOR LIMIT 1180	1 PCS

### CROSS LINE LASER LIMIT 1101-R

Cross line laser with very bright red laser light that provides a horizontal and a vertical line which runs 120 degrees up to the ceiling. The lines can be lit individually or together. Self-levelling function warns with flashing lines when the incline exceeds the self-levelling range. Alternatively, self-levelling can be disconnected to show a sloping line. Mechanical locking of the pendulum acts both as a main switch and transport lock. 2 laser diodes class 2, <1mw 520 nm. Can be used in bright rooms with a separate laser receiver 244652517 (not included) for up to 50 meters. Supplied with rechargeable battery with charger and USB cable, magnetic wall bracket and reflective target plate in a soft case. Adapter 244652418 will be needed for accessories 181120106, 200570109, 178650800, 178680104 & 178690103.



<b>Article no.</b>	<b>277460309</b>
Battery size	3_7_V_3_2_AH
Battery type	Li-ion
Depth	90 mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	95 mm
Inaccuracy, line	±3mm/10m
Laser class	2, < 1 mW
Laser diode	635 nm
Laser type	Cross line laser
Levelling range	3 ± 1 °
Manufacturer's description	1101-R
Max. working temperature	50 °C
No. of batteries	1 qty
Operating time	20 h
Threaded mount	1/4 inch
Visibility	20 m depending on lighting conditions
Weight	0.403 kg
Width	60 mm
Work range with receiver	50 m
Work temperature, min	-10 °C
Number/pack.	1 SET

Article no.	Accessories	decription_table	Number/pack.
277460309	200570208	BRACKET FOR LASER POLE	1 PCS
277460309	178680104	ALUMINIUM TRIPOD	1 PCS
277460309	178630307	TARGET PLATE RED	1 PCS
277460309	244651303	TRIPOD FOR LASER 1/4 INCH	1 PCS
277460309	200570307	FOOT FOR LASER POLE	1 PCS
277460309	200570109	SUPPORT POLE	1 PCS
277460309	178630406	LASER GLASSES RED	1 PCS
277460309	181120106	SMALL TRIPOD	1 PCS

## CROSS LINE LASERS

### CROSS LINE LASER LIMIT 1101-R

Article no.	Accessories	decription_table	Number/pack.
277460309	178690103	ELEVATOR TRIPOD	1 PCS
277460309	178630604	WALL MOUNT. CROSSL.LASER TILT	1 PCS
277460309	244652517	LASER RECEIVER RED/GREEN LIMIT	1 PCS
277460309	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS
277460309	244652210	BACK CLAMP FOR LIMIT LASER 1101/1180	1 PCS
277460309	244652111	USB CABLE & PLUG FOR RECHARGEABLE BATTERY LIMIT	1 PCS
277460309	244652012	BATTERY RECHARGEABLE FOR LIMIT LASER 1101/1180	1 PCS
277460309	244652319	TRIPOD ALUMINIUM FOR LIMIT 1180	1 PCS

### MULTI CROSS LINE LASER LIMIT 1180-G

Multi cross line laser with green laser light that shows 3 very bright 360° lines. One horizontal 360° line and two vertical 360° lines that are lit at 90° to each other. The lines can be lit individually or together. Laser with green light offers 4 times more visibility compared with red laser light, making it ideal for use in bright environment and/or over long distances. The laser is self-levelling, it warns with sound and lines flash when the incline exceeds the self-levelling range. Self-levelling can be switched off when you want to show an inclined plane by mechanically locking the pendulum mechanism, which functions as both a main circuit breaker and a transport lock. Limit 1180 also features a pulsating light for use in bright room together with a separate laser receiver 24465-2517 (not included). Powered by an rechargeable Li-ion battery. Supplied with rechargeable battery and charger with USB cable, magnetic wall bracket and reflective target in a protective case. Adapter 244652418 is needed for accessories 181120106, 200570109, 178650800, 178680104 & 178690103.



<b>Article no.</b>	<b>244650404</b>
Battery	5200 mAh V
Battery size	3_7_V_3_2_AH
Battery type	Li-ion
Depth	125 mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	125 mm
Inaccuracy, line	±3mm/10m
Laser class	2, < 1 mW
Laser diode	520 nm
Laser type	Cross line laser
Levelling range	±3 °
Manufacturer's description	1180-G
Max. working temperature	50 °C
No. of batteries	1 qty
Operating time	8 h
Support	No
Threaded mount	1/4 inch
Visibility	30 m depending on lighting conditions
Weight	0.545 kg
Width	90 mm
Work range with receiver	50 m
Work temperature, min	-10 °C
Number/pack.	1 SET

## CROSS LINE LASERS

### MULTI CROSS LINE LASER LIMIT 1180-G

Article no.	Accessories	decription_table	Number/pack.
244650404	244652517	LASER RECEIVER RED/GREEN LIMIT	1 PCS
244650404	178680104	ALUMINIUM TRIPOD	1 PCS
244650404	244652111	USB CABLE & PLUG FOR RECHARGEABLE BATTERY LIMIT	1 PCS
244650404	244651303	TRIPOD FOR LASER 1/4 INCH	1 PCS
244650404	178630505	LASER GLASSES GREEN	1 PCS
244650404	244652012	BATTERY RECHARGEABLE FOR LIMIT LASER 1101/1180	1 PCS
244650404	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS
244650404	181120106	SMALL TRIPOD	1 PCS
244650404	178690103	ELEVATOR TRIPOD	1 PCS
244650404	178630604	WALL MOUNT. CROSSL.LASER TILT	1 PCS
244650404	244652319	TRIPOD ALUMINIUM FOR LIMIT 1180	1 PCS

### MULTI CROSS LINE LASER LIMIT 1180-GH

Multi cross line laser with green laser light that shows 3 very bright 360° lines. One horizontal 360° line and two vertical 360° lines that are lit at 90° to each other. The lines can be lit individually or together. Laser with green light offers 4 times more visibility compared with red laser light, making it ideal for use in bright environment and/or over long distances. The laser is self-levelling, it warns with sound and lines flash when the incline exceeds the self-levelling range. Self-levelling can be switched off when you want to show an inclined plane by mechanically locking the pendulum mechanism, which functions as both a main circuit breaker and a transport lock. Limit 1180 also features a pulsating light for use in bright room together with a separate laser receiver 24465-2517 (not included). Powered by an rechargeable Li-ion battery. Supplied with double rechargeable batteries and charger with USB cable, tripod, magnetic wall bracket and reflective target in a protective case. Adapter 244652418 will be needed for accessories 181120106, 200570109, 178650800, 178680104 & 178690103.



<b>Article no.</b>	<b>244650602</b>
Battery	5200 mAh V
Battery size	3_7_V_3_2_AH
Battery type	Li-ion
Depth	122 mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	125 mm
Inaccuracy, line	±3mm/10m
Laser class	2, < 1 mW
Laser diode	520 nm
Laser type	Cross line laser
Levelling range	±3 °
Manufacturer's description	1180-GH
Max. working temperature	50 °C
No. of batteries	1 qty
Operating time	8 h
Support	No
Threaded mount	1/4 inch
Visibility	30 m depending on lighting conditions
Weight	0.545 kg
Width	90 mm
Work range with receiver	50 m
Work temperature, min	-10 °C
Number/pack.	1 SET

## CROSS LINE LASERS

### MULTI CROSS LINE LASER LIMIT 1180-GH

Article no.	Accessories	decription_table	Number/pack.
244650602	244652517	LASER RECEIVER RED/GREEN LIMIT	1 PCS
244650602	178680104	ALUMINIUM TRIPOD	1 PCS
244650602	244652111	USB CABLE & PLUG FOR RECHARGEABLE BATTERY LIMIT	1 PCS
244650602	244651303	TRIPOD FOR LASER 1/4 INCH	1 PCS
244650602	178630505	LASER GLASSES GREEN	1 PCS
244650602	244652012	BATTERY RECHARGEABLE FOR LIMIT LASER 1101/1180	1 PCS
244650602	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS
244650602	181120106	SMALL TRIPOD	1 PCS
244650602	178630604	WALL MOUNT. CROSSL.LASER TILT	1 PCS
244650602	244652319	TRIPOD ALUMINIUM FOR LIMIT 1180	1 PCS

### MULTI CROSS LINE LASER LIMIT 1180-R

Multi cross line laser with red laser light that shows 3 very bright 360° lines. One horizontal 360° line and two vertical 360° lines that are lit at 90° to each other. The lines can be lit individually or together. The laser is self-levelling, it warns with sound and lines flash when the incline exceeds the self-levelling range. Self-levelling can be switched off when you want to show an inclined plane by mechanically locking the pendulum mechanism, which functions as both a main circuit breaker and a transport lock. Limit 1180 also features a pulsating light for use in bright environment and/or over long distance together with a separate laser receiver 24465-2517 (not included). Powered by an rechargeable Li-ion battery. Supplied with rechargeable battery and charger with USB cable, magnetic wall bracket and reflective target in a protective case. Adapter 244652418 is needed for accessories 181120106, 200570109, 178650800, 178680104 & 178690103.



<b>Article no.</b>	<b>244650305</b>
Battery	5200 mAh V
Battery size	3_7_V_3_2_AH
Battery type	Li-ion
Depth	125 mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	125 mm
Inaccuracy, line	±3mm/10m
Laser class	2, < 1 mW
Laser diode	638 nm
Laser type	Cross line laser
Levelling range	±3 °
Manufacturer's description	1180-R
Max. working temperature	50 °C
No. of batteries	1 qty
Operating time	12 h
Support	No
Threaded mount	1/4 inch
Visibility	30 m depending on lighting conditions
Weight	0.545 kg
Width	90 mm
Work range with receiver	50 m
Work temperature, min	-10 °C
Number/pack.	1 SET

Article no.	Accessories	decription_table	Number/pack.
244650305	178630307	TARGET PLATE RED	1 PCS
244650305	200570109	SUPPORT POLE	1 PCS
244650305	178630406	LASER GLASSES RED	1 PCS
244650305	181120106	SMALL TRIPOD	1 PCS

## CROSS LINE LASERS

### MULTI CROSS LINE LASER LIMIT 1180-R

Article no.	Accessories	decription_table	Number/pack.
244650305	178630604	WALL MOUNT. CROSSL.LASER TILT	1 PCS
244650305	178680104	ALUMINIUM TRIPOD	1 PCS
244650305	178690103	ELEVATOR TRIPOD	1 PCS
244650305	244652517	LASER RECEIVER RED/GREEN LIMIT	1 PCS
244650305	244651303	TRIPOD FOR LASER 1/4 INCH	1 PCS
244650305	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS
244650305	244652111	USB CABLE & PLUG FOR RECHARGEABLE BATTERY LIMIT	1 PCS
244650305	244652012	BATTERY RECHARGEABLE FOR LIMIT LASER 1101/1180	1 PCS
244650305	244652319	TRIPOD ALUMINIUM FOR LIMIT 1180	1 PCS

### MULTI CROSS LINE LASER LIMIT 1180-RH

Multi cross line laser with red laser light that shows 3 very bright 360° lines. One horizontal 360° line and two vertical 360° lines that are lit at 90° to each other. The lines can be lit individually or together. The laser is self-levelling, it warns with sound and lines flash when the incline exceeds the self-levelling range. Self-levelling can be switched off when you want to show an inclined plane by mechanically locking the pendulum mechanism, which functions as both a main circuit breaker and a transport lock. Limit 1180 also features a pulsating light for use in bright environment and/or over long distance together with a separate laser receiver 24465-2517 (not included). Powered by an rechargeable Li-ion battery. Supplied with double rechargeable batteries and charger with USB cable, tripod, magnetic wall bracket and reflective target in a protective case. Adapter 244652418 is needed for accessories 181120106, 200570109, 178650800, 178680104 & 178690103.



<b>Article no.</b>	<b>244650503</b>
Battery	5200 mAh V
Battery size	3_7_V_3_2_AH
Battery type	Li-ion
Depth	125 mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	125 mm
Inaccuracy, line	±3mm/10m
Laser class	2, < 1 mW
Laser diode	638 nm
Laser type	Cross line laser
Levelling range	±3 °
Manufacturer's description	1180-RH
Max. working temperature	50 °C
No. of batteries	1 qty
Operating time	12 h
Support	No
Threaded mount	1/4 inch
Visibility	30 m depending on lighting conditions
Weight	0.545 kg
Width	90 mm
Work range with receiver	50 m
Work temperature, min	-10 °C
Number/pack.	1 SET

## CROSS LINE LASERS

### MULTI CROSS LINE LASER LIMIT 1180-RH

Article no.	Accessories	decription_table	Number/pack.
244650503	244652517	LASER RECEIVER RED/GREEN LIMIT	1 PCS
244650503	178680104	ALUMINIUM TRIPOD	1 PCS
244650503	178630307	TARGET PLATE RED	1 PCS
244650503	244652111	USB CABLE & PLUG FOR RECHARGEABLE BATTERY LIMIT	1 PCS
244650503	244651303	TRIPOD FOR LASER 1/4 INCH	1 PCS
244650503	200570109	SUPPORT POLE	1 PCS
244650503	178630406	LASER GLASSES RED	1 PCS
244650503	244652012	BATTERY RECHARGEABLE FOR LIMIT LASER 1101/1180	1 PCS
244650503	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS
244650503	181120106	SMALL TRIPOD	1 PCS
244650503	178690103	ELEVATOR TRIPOD	1 PCS
244650503	178630604	WALL MOUNT. CROSSL.LASER TILT	1 PCS
244650503	244652319	TRIPOD ALUMINIUM FOR LIMIT 1180	1 PCS

## CROSS LINE LASERS - ACCESSORIES

### BATTERY OR CHARGER FOR MULTI CROSS LINE LASER LIMIT 1180/1101

Battery and charger for cross line laser Limit 1180 and 1101.

Article no.	244652012	244652111
Depth	85 mm	100 mm
ETIM class code	EC001199	EC001576
Height	35 mm	25 mm
Weight	0.142 kg	0.065 kg
Width	52 mm	50 mm
Number/pack.	1 PCS	1 PCS



244652012



244652111

### RECEIVER FOR LIMIT CROSS LINE LASERS

Laser line receiver for both red and green cross line lasers, including holder for level rod, scope 50 m. Delivered with 2 pieces AA batteries.

Article no.	244652517
Battery type	Alkaline
Battery type ANSI	AA
Depth	80 mm
ETIM class code	EC001195
Height	80 mm
No. of batteries	2 qty
Weight	0.305 kg
Width	180 mm
Work range with receiver	50 m
Number/pack.	1 PCS





## CROSS LINE LASERS - ACCESSORIES

### ADAPTERS FOR LIMIT LASERS

Laser adapters 5/8" female to 1/4" male and 5/8" male to 1/4" female. The adapters make it possible to connect to many different accessories such as tripods, wall brackets.



Article no.	244652418
ETIM class code	EC001187
Threaded mount	1/4,5/8 inch
Weight	0.015 kg
Number/pack.	1 PCS

### BACK CLAMP TO UNIVERSAL BRACKET

Use together with Limit universal bracket 244652616 for hanging the laser upside down.



Article no.	244652210
Depth	73 mm
ETIM class code	EC001195
Height	190 mm
Weight	0.244 kg
Width	80 mm
Number/pack.	1 PCS

### METAL CLIP/UNIVERSAL MOUNT FOR LIMIT CROSS LINE LASER CUBE 1000-R & 1000-G

Metal clip/universal mount with 1/4 thread, fits Limit cube laser 1000-R and 1000-G.



Article no.	277461000
Depth	80 mm
Height	114 mm
Thread	1/4
Width	110 mm
Number/pack.	1 PCS

### UNIVERSAL BRACKET FOR LIMIT CROSS LINE LASERS

Universal magnetic wall bracket, for crossline lasers with 1/4 " & 5/8" thread for tripod mounting. Fine adjustable the height and in all directions, including adapter to have 1180 suspended.



Article no.	244652616
Depth	145 mm
ETIM class code	EC001195
Height	220 mm
Threaded mount	1/4 inch
Weight	0.46 kg
Width	90 mm
Number/pack.	1 PCS

## CROSS LINE LASERS - ACCESSORIES

### WALL BRACKET MAGNETIC AND TILTABLE LIMIT

Tilttable adapter bracket with magnet for stand/wall mounting, fits cross line lasers with a 1/4" mount.

Article no.	178630604
ETIM class code	EC001195
Number/pack.	1 PCS



## ROTARY LASERS

### ROTARY LASER LIMIT 1210 HV

Rotating red laser most suitable for indoor use. Automatic self-levelling both horizontally and vertically with manual slope setting on one plane. Scanning mode with adjustable scanning angle. Tilt function where the instrument must be manually restarted after the instrument has been moved from its initial level. The remote control can adjust the tilt, rotation speed, scanning angle and the rotating scanning area in both directions. Laser detector with dual indication window, display lighting, adjustable tone, fine or coarse accuracy. The instrument can be calibrated according to user guide. Laser diode class 2M, 1mw 635 nm. Enclosure class IP54. Remote control has a range of 30 metres. Supplied in a hard plastic case with remote control, laser receiver with holder, reflective target plate, rechargeable battery pack with charger and user guide.



Article no.	198640104
Battery size	Battery pack
Control with remote control	Yes
Depth	175 mm
Enclosure class IP	IP54
ETIM class code	EC000641
Height	130 mm
Inaccuracy, horizontal	±1.0 mm/10 m
Inaccuracy, vertical	±1.5 mm/10 m
Levelling	Horizontal,Vertical
Levelling range	±5 °
Manufacturer's description	1210HV
Max. working temperature	40 °C
Operating time	24 h
Rotation speed	0,300,600 R_MIN
Weight	2 kg
Width	210 mm
Work temperature, min	-10 °C
Working range diameter	200 m
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
198640104	198640203	BATTERY FOR 1210	1 PCS
198640104	178650602	RECIVER CLAMP	1 PCS
198640104	178650503	RECIVER 1200/1300	1 PCS
198640104	178680104	ALUMINIUM TRIPOD	1 PCS
198640104	178630307	TARGET PLATE RED	1 PCS
198640104	178630406	LASER GLASSES RED	1 PCS
198640104	178650800	WALL MOUNTING 1200/1300	1 PCS
198640104	198640302	CHARGER FOR 1210	1 PCS
198640104	178690103	ELEVATOR TRIPOD	1 PCS
198640104	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS

## ROTARY LASERS

### LASER PACKAGE LIMIT 1210 HV

Complete package containing Rotary laser 1210, 198640104, laser receiver with holder, remote control, rechargeable battery pack with charger, wall bracket/floor plate, reflector target, red glasses, tripod 178680104 and level rod 178670105.



<b>Article no.</b>	<b>198642001</b>
ETIM class code	EC000641
Manufacturer's description	1210 HV
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
198642001	178680104	ALUMINIUM TRIPOD	1 PCS
198642001	178630307	TARGET PLATE RED	1 PCS
198642001	178630406	LASER GLASSES RED	1 PCS
198642001	198640203	BATTERY FOR 1210	1 PCS
198642001	178650602	RECIVER CLAMP	1 PCS
198642001	178650800	WALL MOUNTING 1200/1300	1 PCS
198642001	178690103	ELEVATOR TRIPOD	1 PCS
198642001	178650503	RECIVER 1200/1300	1 PCS
198642001	198640302	CHARGER FOR 1210	1 PCS
198642001	178670105	TELESCOPIC LEVELING STAFF 5M	1 PCS

## ROTARY LASERS - ACCESSORIES

### BATTERY AND CHARGER FOR ROTATING LASER LIMIT

Accessories for rotary laser 1210HV and 1300H Limit.



198640203



198640302

<b>Article no.</b>	<b>198640203</b>	<b>198640302</b>
ETIM class code	EC001199	EC001184
Number/pack.	1 PCS	1 PCS

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## ROTARY LASERS - ACCESSORIES

### WALL BRACKET AND REMOTE CONTROL FOR ROTARY LASER LIMIT

Receiver, clip and remote control for rotary lasers 1210HV and 1300H Limit.

<b>Article no.</b>	<b>178650602</b>	<b>178650503</b>
Description	Extra clamp for laser receiver	-
ETIM class code	EC001195	EC001195
Number/pack.	1 PCS	1 PCS



178650602



178650503

### LASER GLASSES FOR ROTATING LASER LIMIT

Red laser glasses. Increases the visibility of the laser beam.

<b>Article no.</b>	<b>178630406</b>
ETIM class code	EC002098
Number/pack.	1 PCS



### LASER GLASSES GREEN LIMIT

Green laser glasses that increase visibility of the laser beam when working outdoors or in bright environments.

<b>Article no.</b>	<b>178630505</b>
ETIM class code	EC002098
Number/pack.	1 PCS



## ROTARY LASERS - ACCESSORIES

### TARGET FOR ROTATING LASER LIMIT

Target. Increases the visibility of the laser beam. With the magnetic mount, suspension hole and leg support.



Article no.	178630307
ETIM class code	EC001195
Length	105 mm
Width	75 mm
Number/pack.	1 PCS



### TARGET FOR ROTATING LASER LIMIT

Wall bracket. With thread 5/8". Fine height adjustment 110 mm and graduated scale.

Article no.	178650800
Description	Wall bracket. With 5/8" fastening screw.
ETIM class code	EC001195
Number/pack.	1 PCS



200570208

### LASER SHELF AND FOOT FOR LASER ROD LIMIT

Accessories for laser rod Limit.

Article no.	200570208	200570307
ETIM class code	EC001195	EC001195
Number/pack.	1 PCS	1 PCS



200570307

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## LASER ROD

### LASER ROD LIMIT

Laser rod that can stand freely on the floor with leg supports, or clamped between floor and ceiling without leg supports to take up less space in tight spaces. Suitable for indoor use both cross laser or rotary laser e.g. Limit 1210. The shelf can be locked at the desired height along the entire length of the rod. The bar consists of 5 sections that are screwed together to the desired length. Spring feet. Easy to transport and assemble. Manufactured of aluminium. Supplied in case.

Article no.	200570109
ETIM class code	EC001195
Height max	360 mm
Threaded mount	5/8 inch
Weight	2.4 kg
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
200570109	200570208	BRACKET FOR LASER POLE	1 PCS
200570109	200570307	FOOT FOR LASER POLE	1 PCS



### LEVEL ROD LIMIT

Telescopic level rod aluminium, length 5 m. E-scale on one side and mm scale on the other side. Each section locks automatically when fully extended. Supplied with circular level and protective case.

Article no.	178670105
ETIM class code	EC001195
Measurement length, max	5 m
Weight	1.2 kg
Number/pack.	1 PCS



## LASER STANDS

### ALUMINIUM STAND FOR SURVEYING INSTRUMENTS LIMIT

Aluminium tripod for line lasers. Mounting screw thread 1/4". Fine height adjustment via rack pillar and crank.

Article no.	244652319
ETIM class code	EC001195
Height adjustment with crank	Yes
Height max	1040 mm
Length, retracted	36 mm
Threaded mount	1/4 inch
Weight	0.4 kg
Number/pack.	1 PCS



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## LASER STANDS

### ALUMINIUM STAND FOR SURVEYING INSTRUMENTS LIMIT

Aluminium tripod for line lasers. Mounting screw thread 5/8". Fine height adjustment via rack pillar and crank.



<b>Article no.</b>	<b>181120106</b>
ETIM class code	EC001195
Height adjustment with crank	Yes
Height max	1700 mm
Length, retracted	600 mm
Threaded mount	5/8 inch
Weight	1.2 kg
Number/pack.	1 PCS

### ALUMINIUM STAND FOR SURVEYING INSTRUMENTS LIMIT

Aluminium tripod. Suitable for all types of surveying instrument and laser instrument with 5/8" threaded mount. With carrying strap.



<b>Article no.</b>	<b>178680104</b>
ETIM class code	EC001195
Height max	1650 mm
Threaded mount	5/8 inch
Weight	3.6 kg
Number/pack.	1 PCS

### STURDY ALUMINIUM STAND FOR SURVEYING INSTRUMENTS LIMIT

Sturdy aluminium tripod. Gear rack post with crank for precise height adjustment. For levelling lasers and surveying instruments. Suitable for all brands with 5/8" threaded mount.



<b>Article no.</b>	<b>178690103</b>
ETIM class code	EC001195
Height adjustment with crank	Yes
Height max	2300 mm
Threaded mount	5/8 inch
Weight	7.5 kg
Number/pack.	1 PCS

## MEASURING WHEELS

### MEASURING WHEEL LIMIT

Used for measuring longer distances, for example, at roadworks and the like. The measuring wheel is weight balanced for comfortable use. Wheel brake in the handle and standing frame. Folds in two parts for easy transport. Supplied with transport bag.

Article no.	174280107
ETIM class code	EC001195
Inaccuracy	±0.5 mm
Measurement range	10000 mm
Resolution	10 mm
Weight	2.5 kg
Wheel diameter	320 mm
Number/pack.	1 PCS



## RANGE FINDERS

### RANGEFINDER LIMIT LDM 40

Limit LDM 40 is a robust compact laser rangefinder designed for professional use. Measures up to 40 metres and is easy to carry in a bag or pocket. Fast response time. High accuracy of ±2 mm. Illuminated display. Single point-to-point measurement, Area and volume measurement, Pythagoras measurement, Continuous measurement function (tracking). Addition and subtraction as well as simple recording function. Adjustable reference point from the front edge, centre or rear edge. Switch between metric and imperial measurements. Automatic shut-off. Supplied with storage case and hand strap. Batteries included.

Article no.	281130104
Addition/subtraction	Yes
Area measurement	Yes
Background lit Display	Yes
Battery type	Alkaline
Battery type ANSI	AAA
Camera function	No
Continuous measurement/tracking	Yes
Depth	25 mm
ETIM class code	EC000641
Height	112 mm
Inaccuracy	±2 mm
Laser class	635 nm, < 1 mW
Manufacturer's description	Limit LDM 40
Max. working temperature	40 °C
Measurement range, max	40 mm
Measurement range, min	0.05 mm
Measurement units	Feet,inch,m
Memory slots	30 qty
Min/max measurement	Yes
No. of batteries	2 qty
Storage temperature, max	60 °C
Storage temperature, min	-20 °C
Volume measurement	Yes
Weight	95 kg
Width	50 mm
Work temperature, min	0 °C
Number/pack.	1 PCS





## RANGE FINDERS

### RANGEFINDER LIMIT LDM 40

Article no.	Accessories	decription_table	Number/pack.
281130104	644700700		4 PCS
281130104	644700734		4 PCS
281130104	644701609		1 PCS
281130104	644799215	BATTERY LONGLIFE LR03 AAA 1,5V	4 PCS
281130104	644700015		4 PCS

### RANGEFINDER LIMIT LDM 80

Limit LDM 80 is a robust compact laser rangefinder designed for professional use. Measures up to 80 metres and is easy to carry in a bag or pocket. Fast response time. High accuracy of  $\pm 2$  mm. Illuminated display. Single point-to-point measurement, Delay function, Staking-out function, Area and volume measurement, Pythagoras measurement, Continuous measurement function (tracking). Addition and subtraction as well as recording function. Adjustable reference point from front edge, centre or with extended end piece. Switch between metric and imperial measurements. Automatic shut-off. Supplied with storage case and hand strap. Batteries included.



Article no.	281130203
Addition/subtraction	Yes
Area measurement	Yes
Background lit Display	Yes
Battery type	Alkaline
Battery type ANSI	AAA
Camera function	Yes
Continuous measurement/tracking	Yes
Depth	28 mm
ETIM class code	EC000641
Height	118 mm
Inaccuracy	$\pm 2$ mm
Manufacturer's description	Limit LDM 80
Max. working temperature	40 °C
Measurement range, max	80 mm
Measurement range, min	0.05 mm
Measurement units	Feet,inch,m
Memory slots	100 qty
Min/max measurement	Yes
No. of batteries	2 qty
Storage temperature, max	60 °C
Storage temperature, min	-20 °C
Volume measurement	Yes
Weight	110 kg
Width	54 mm
Work temperature, min	0 °C
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
281130203	644700700		4 PCS
281130203	644700734		4 PCS
281130203	644701609		1 PCS
281130203	644799215	BATTERY LONGLIFE LR03 AAA 1,5V	4 PCS
281130203	644700015		4 PCS

## ADJUSTABLE SQUARES

### ADJUSTABLE SQUARE LIMIT

Removable stop along graduated steel guide. Stop length 70 mm. Tolerance according to DIN 875/2.

<b>Article no.</b>	<b>151250107</b>	<b>151250206</b>
ETIM class code	EC002111	EC002111
Length	100 mm	150 mm
Number/pack.	1 PCS	1 PCS



## ANGLE GAUGES

### DIGITAL ANGLE GAUGE AND RULER LIMIT AFA

Digital angle gauge and ruler in one unit, with LCD display for quick readings. Lock function (at any angle) and durable stainless steel scale.

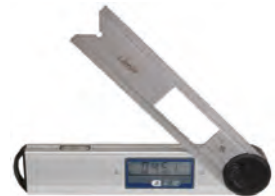
<b>Article no.</b>	<b>272510108</b>
ETIM class code	EC004337
Inaccuracy	$\pm 0.3^\circ$ mm
Length	300x300 mm
Material Bits	Stainless steel
Measuring scale graduation	0.1 mm
Reading	0-999.9 °
Weight	230 kg
Number/pack.	1 PCS



### DIGITAL ANGLE GAUGE LIMIT

Digital angle gauge. Spirit level vial on top. Display with large digits, 13 mm. The display can be reset in all positions and switched to absolute value. Hold button to freeze the measurement value. The arm is lockable using the lock handle which can be moved to different positions. Supplied with 1 x 3V battery, type 2032.

<b>Article no.</b>	<b>166580100</b>
ETIM class code	EC003965
Inaccuracy	$\pm 0.25$ mm
Leg length	250 mm
Measuring scale graduation	0.1 mm
Reading	0-360 °
Number/pack.	1 PCS



### DIGITAL ANGLE GAUGE LIMIT AFB

Robust digital angle gauge that measures angles up to 225 degrees and calculates different angles quickly and easily, e.g. supplementary angle, mid angle and miter saw angles. LCD with 12.7 mm large digits that can be rotated through 180 degrees. The display is automatically set to an absolute value but can be reset in all positions. Hold button to freeze the measurement value. The arm is lockable in different positions with a lock handle. Automatic calculation of supplementary angle and mid angle. Cornice module calculates miter saw angles directly by entering the wall angle and the corner angle. Battery type LR03, 2 pcs included.

<b>Article no.</b>	<b>272500109</b>
Depth	54 mm
ETIM class code	EC004337
Height	63 mm
Inaccuracy	$\pm 0.1$ mm
Length	490 mm



## ANGLE GAUGES

### DIGITAL ANGLE GAUGE LIMIT AFB

<b>Article no.</b>	<b>272500109</b>
Manufacturer's description	Limit AFB
Material Bits	Aluminium
Number of vials	2 qty
Reading	0.05 -0.1 °
Weight	0.88 kg
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
272500109	644700700		4 PCS
272500109	644701609		1 PCS
272500109	644799215	BATTERY LONGLIFE LR03 AAA 1,5V	4 PCS
272500109	644700015		4 PCS
272500109	644705667	BATTERY BUTTONCELL LITCR2032 2	2 PCS
272500109	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

### DIGITAL SPIRIT LEVEL/ANGLE GAUGE LIMIT LDD 400 / LDD 600

Digital spirit level measuring angles in °, mm/m, %, in/ft. Measuring ranges 0°-360°, sound indication at 0° and 90°, accuracy ±0.05° at 0° and 90° and remaining ranges ±0.2°. Large backlit display. Magnets in the base that can be attached to metal objects. Made from a non-warping, tempered aluminium profile 54x26 mm. Unbreakable vials which can be read from all sides. Supplied with a storage case and 2 pcs 1.5V batteries.



272490103



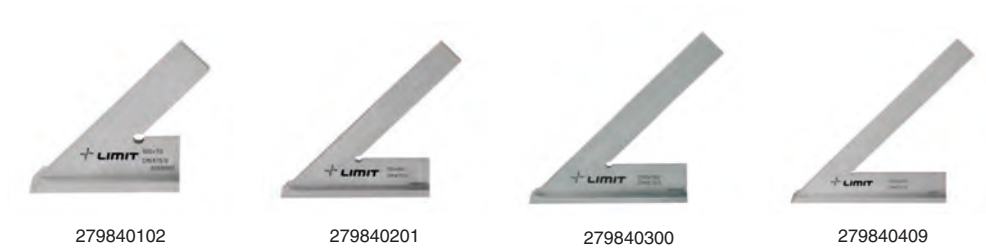
272490202

Article no.	272490103	272490202
ETIM class code	EC000145	EC000145
Inaccuracy	0° and 90°: ±0.05° (remaining measuring range: ±0.2°), Vials ±0.25° mm	0° and 90°: ±0.05° (remaining measuring range: ±0.2°), Vials ±0.25° mm
Length	400 mm	600 mm
Manufacturer's description	Limit LDD 400	Limit LDD 600
Material Bits	Aluminium	Aluminium
No. of batteries	2 qty	-
Number of vials	1 qty	2 qty
Reading	0° – 360° (4 x 90°) 1000 mm/m, 100%, 12 in/ft °	0° – 360° (4 x 90°) 1000 mm/m, 100%, 12 in/ft °
Weight	400 kg	600 kg
Width	60 mm	60 mm
Number/pack.	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
272490202	644700700		4 PCS
272490202	644701609		1 PCS
272490202	644799215	BATTERY LONGLIFE LR03 AAA 1,5V	4 PCS
272490202	644700015		4 PCS
272490202	644705667	BATTERY BUTTONCELL LITCR2032 2	2 PCS
272490202	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
272490103	644700700		4 PCS
272490103	644701609		1 PCS
272490103	644799215	BATTERY LONGLIFE LR03 AAA 1,5V	4 PCS
272490103	644700015		4 PCS
272490103	644705667	BATTERY BUTTONCELL LITCR2032 2	2 PCS
272490103	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

## BASE SQUARES

### BASE SQUARE 45° 875/2 LIMIT



Base square in steel 45°. Precision design ground on all sides. Manufactured according to tolerance DIN 875/2.

Article no.	279840102	279840201	279840300	279840409
ETIM class code	EC004336	EC004336	EC004336	EC004336
Foot width	20 mm	20 mm	25 mm	25 mm
Long leg length	100 mm	150 mm	200 mm	300 mm
Short leg length	70 mm	100 mm	130 mm	200 mm
Thickness	5 mm	5 mm	5 mm	7,5 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

### BASE SQUARE 120° 875/2 LIMIT

Base squares steel 120°. Precision design ground on all sides. Manufactured according to tolerance DIN 875/2.

Article No.	279850101	279850200	279850309	279850408
Long leg length	100 mm	150 mm	200 mm	300 mm
Short leg length	70 mm	100 mm	130 mm	200 mm
Foot width	20 mm	20 mm	25 mm	25 mm
Width	20 mm	20 mm <td 25 mm	25 mm	
Thickness	5 mm	5 mm	5 mm	7,5 mm



### BASE SQUARE 135° 875/2 LIMIT

Base squares steel 135°. Precision design ground on all sides. Manufactured according to tolerance DIN 875/2.

Article No.	279870109	279870208	279870307	279870406
Long leg length	100 mm	150 mm	200 mm	300 mm
Short leg length	70 mm	100 mm	130 mm	200 mm
Foot width	20 mm	20 mm	25 mm	25 mm
Thickness	5 mm	5 mm	5 mm	7,5 mm



## BASE SQUARES

### BASE SQUARE LIMIT 2534

Made of steel. Precision design. All faces machined. Manufactured according to tolerance DIN 875/2.



Article no.	25342007	25342106	25342205	25342304
ETIM class code	EC004336	EC004336	EC004336	EC004336
Foot width	20 mm	30 mm	40 mm	40 mm
Long leg length	100 mm	200 mm	300 mm	400 mm
Short leg length	70 mm	130 mm	200 mm	265 mm
Thickness	5 mm	6 mm	8 mm	9 mm
Width	20 mm	30 mm	40 mm	40 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

### BASE SQUARE LIMIT 2534 CALIBRATED

Calibrated. Made of steel. Precision design. All faces machined. Manufactured according to tolerance DIN 875/2.



Article no.	25341751	25341850
ETIM class code	EC004336	EC004336
Foot width	30 mm	40 mm
Long leg length	200 mm	300 mm
Short leg length	130 mm	200 mm
Thickness	7 mm	8 mm
Width	30 mm	40 mm
Number/pack.	1 PCS	1 PCS

### BASE SQUARE LIMIT

Zinc plated steel Legs with a uniform thickness and horizontal underside. The base is attached by soldering in the milled slot. All faces machined. 3-quality.



120480116



120480215



120480314



120480413



120480512



120480611

Article no.	120480116	120480215	120480314	120480413	120480512	120480611
ETIM class code	EC004336	EC004336	EC004336	EC004336	EC004336	EC004336
Foot width	25 mm	25 mm	25 mm	30 mm	30 mm	30 mm
Long leg length	150 mm	200 mm	300 mm	400 mm	500 mm	600 mm

## BASE SQUARES

### BASE SQUARE LIMIT

Article no.	120480116	120480215	120480314	120480413	120480512	120480611
Rectangularity	0,10 mm	0,15 mm	0,20 mm	0,35 mm	0,40 mm	0,45 mm
Short leg length	100 mm	130 mm	180 mm	230 mm	280 mm	330 mm
Thickness	5 mm	5 mm	5 mm	6 mm	6 mm	6 mm
Weight	0.25 kg	0.42 kg	0.63 kg	1.15 kg	1.42 kg	1.7 kg
Width	25 mm	25 mm	25 mm	30 mm	30 mm	30 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS

### BASE SQUARE LIMIT

Made of tool steel. With ground edges. The base is screwed in position.

Article no.	190161000	190161109	190161208	190161307
ETIM class code	EC004336	EC004336	EC004336	EC004336
Leg dimensions	30x5 mm	30x5 mm	30x5 mm	40x5 mm
Long leg length	750 mm	1000 mm	1500 mm	2000 mm
Short leg length	375 mm	500 mm	750 mm	1000 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



## FLAT SQUARES

### FLAT SQUARE 875/2 LIMIT

With equally thick legs. Of steel. All faces ground and polished.

Article no.	25331505	25331604	25331703	25331802
ETIM class code	EC004336	EC004336	EC004336	EC004336
Long leg length	75 mm	100 mm	150 mm	200 mm
Short leg length	50 mm	70 mm	100 mm	130 mm
Thickness	5 mm	5 mm	5 mm	6 mm
Width	15 mm	20 mm	25 mm	30 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	25331901	25332008
ETIM class code	EC004336	EC004336
Long leg length	300 mm	400 mm
Short leg length	200 mm	250 mm
Thickness	8 mm	9 mm
Width	40 mm	40 mm
Number/pack.	1 PCS	1 PCS



### FLAT SQUARE 120° 875/2 LIMIT

Flat squares steel 120°. Precision design ground on all sides. Manufactured according to tolerance DIN 875/2.

Article No.	279860100	279860209	279860308	279860407
Long leg length	50 mm	75 mm	150 mm	200 mm
Short leg length	50 mm	75 mm	150 mm	200 mm
Width	20 mm	20 mm	20 mm	25 mm
Thickness	5 mm	5 mm	5 mm	5 mm



## FLAT SQUARES

### FLAT SQUARE LIMIT

Zinc plated steel with uniformly thick legs. All faces machined. 3-quality.



120470117



120470216



120470315



120470414



120470513



120470612

Article no.	120470117	120470216	120470315	120470414	120470513	120470612
ETIM class code	EC004336	EC004336	EC004336	EC004336	EC004336	EC004336
Long leg length	150 mm	200 mm	300 mm	400 mm	500 mm	600 mm
Rectangularity	0,10 mm	0,15 mm	0,20 mm	0,35 mm	0,40 mm	0,45 mm
Short leg length	100 mm	130 mm	180 mm	230 mm	280 mm	330 mm
Thickness	5 mm	5 mm	5 mm	6 mm	6 mm	6 mm
Weight	0.17 kg	0.29 kg	0.43 kg	0.82 kg	1.01 kg	1.24 kg
Width	25 mm	25 mm	25 mm	30 mm	30 mm	30 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS

## FLAT SQUARES

### FLATSQUARE 750/1000/1500/2000 MM LIMIT

Zink plated steel.



Article no.	190151001	190151100	190151209	190151308
ETIM class code	EC004336	EC004336	EC004336	EC004336
Long leg length	750 mm	1000 mm	1500 mm	2000 mm
Short leg length	375 mm	500 mm	750 mm	1000 mm
Thickness	5 mm	5 mm	5 mm	5 mm
Width	30 mm	30 mm	30 mm	40 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## SET-SQUARES

### FLANGE ANGLE LIMIT

To adjust and control flange on pipes. Chromed pattern steel.

Article no.	25411109	25411208	25411000
ETIM class code	EC004337	EC004337	EC004337
Length	400 mm	500 mm	300 mm
Material Bits	Steel	Steel	Steel
Width	400 mm	500 mm	300 mm
Number/pack.	1 PCS	1 PCS	1 PCS



## SHARP-EDGED SQUARES

### SHARP-EDGED SQUARE LIMIT

Of hardened steel. Smooth ground faces and polished edge. Equally thick legs. Tolerance according to DIN 875/00.

Article no.	52171006	52171105	52171204	52171303
ETIM class code	EC004336	EC004336	EC004336	EC004336
Long leg length	50 mm	75 mm	100 mm	150 mm
Short leg length	40 mm	50 mm	70 mm	100 mm
Thickness	4 mm	4 mm	5 mm	6 mm
Width	13.5 mm	15 mm	20 mm	25 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



Article no.	52171402
ETIM class code	EC004336
Long leg length	200 mm
Short leg length	130 mm
Thickness	7 mm
Width	30 mm
Number/pack.	1 PCS



## ENGINEERS SQUARES

### ENGINEER'S SQUARE LIMIT

Made of tool steel. All sides precision machined. DIN 875/2.

Article no.	162460109	162460208	162460307	162460406
ETIM class code	EC002111	EC002111	EC002111	EC002111
Long leg length	75 mm	100 mm	150 mm	200 mm
Long leg thickness	1.5 mm	1.5 mm	1.5 mm	1.5 mm
Long leg width	20 mm	20 mm	25 mm	25 mm
Short leg length	50 mm	70 mm	100 mm	130 mm
Short leg thickness	9 mm	9 mm	11 mm	12.5 mm
Short leg width	20 mm	20 mm	25 mm	25 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



Article no.	162460604	162460703	162460802	162460505
ETIM class code	EC002111	EC002111	EC002111	EC002111
Long leg length	300 mm	400 mm	500 mm	260 mm
Long leg thickness	2 mm	2 mm	2 mm	2 mm
Long leg width	30 mm	38 mm	50 mm	30 mm



## ENGINEERS SQUARES

### ENGINEER'S SQUARE LIMIT

Article no.	162460604	162460703	162460802	162460505
Short leg length	175 mm	250 mm	265 mm	160 mm
Short leg thickness	19 mm	19 mm	21 mm	17.5 mm
Short leg width	30 mm	38 mm	50 mm	30 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
162460109	162460901	75, 100, 150, 200	1 SET
162460208	162460901	75, 100, 150, 200	1 SET
162460307	162460901	75, 100, 150, 200	1 SET
162460406	162460901	75, 100, 150, 200	1 SET
162460604	162460901	75, 100, 150, 200	1 SET
162460703	162460901	75, 100, 150, 200	1 SET
162460802	162460901	75, 100, 150, 200	1 SET
162460505	162460901	75, 100, 150, 200	1 SET

### ANGLE SET FOR ENGINEER'S SQUARE LIMIT

Accessories for engineer's square Limit.

Article no.	162460901
Contents	4 squares, 75x50, 100x70, 150x100, 200x130 mm
Description	Set of 4 squares, 75x50, 100x70, 150x100, 200x130 mm
Number/pack.	1 SET



## CENTRE SQUARE

### CENTRE SQUARE LIMIT

Of steel. Intended for round workpieces, but can also be used as stock or T-squares.

Article no.	25420209
Edge length	200 mm
ETIM class code	EC004337
Stock length	150 mm
Number/pack.	1 PCS



## COMBINATION SQUARES

### COMBINED ANGLE LIMIT

Made of carbon steel with a stainless steel rule. With protractor, angle stop and centre head. All the parts can slide on the graduated rule. Vial on protractor and angle stop. The rule shows both metric and imperial graduations.

Article no.	266850106
Angle stop length	110 mm
Centre head length	63 mm
Graduation measurement	0-180 g
Measurement units	Mm,inch
Rule length	300 mm
Number/pack.	1 PCS



Article no.	Accessories	decription_table	Number/pack.
266850106	119180305	SPARE PARTSET SCREW,NUT,SPRING	1 SET

### RULER AND SPARE PARTS SET FOR COMBINATION SQUARE LIMIT

Accessories for combination square Limit.

Article no.	119180156	119180206
ETIM class code	EC002178	EC002178
Number/pack.	1 PCS	1 PCS



119180156



119180206

## DEPTH GAUGES

### DEPTH GAUGE 300 MM LIMIT

Made of stainless steel. Matt chromium-plated scale. Graduated in mm. Vernier scale 0.05 mm. Tolerance according to DIN 862.



<b>Article no.</b>	<b>22550107</b>
Design	Analogue
ETIM class code	EC000157
Hook dimension	2 x 2.5 mm
Measurement units	Mm
Measuring depth	300 mm
Stock length	150 mm
Number/pack.	1 PCS

### DEPTH GAUGE DIGITAL 200 MM LIMIT

Depth gauge with digital display made of stainless steel according to the DIN 862 standard. Quick reading with a 3m/sec. response time. Relative measurement, reading in mm or inches. Switches on and off automatically. Fine adjustment screw. Resolution 0.01 mm. Battery type CR2032, included.



<b>Article no.</b>	<b>21460613</b>
Depth gauge thickness	4 mm
Depth gauge width	14.5 mm
Design	Digital
ETIM class code	EC000157
Inaccuracy	±0.03 mm
Measuring depth	200 mm
Stock length	100 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
21460613	644705667	BATTERY BUTTONCELL LITCR2032 2	2 PCS
21460613	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

### DEPTH GAUGE 2643 LIMIT

Made of stainless steel. Matt chromium-plated scale. The ends of the blade and the stop are hardened. The scale is graduated in mm with 1/20 mm Vernier. Lockable. Tolerance according to DIN 862.



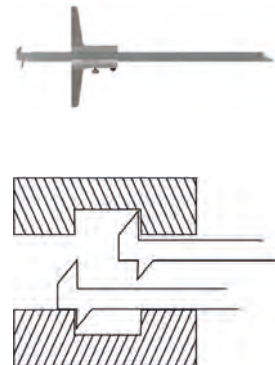
Article no.	26430108	26430207	26430405	26430504
Design	Analogue	Analogue	Analogue	Analogue
ETIM class code	EC000157	EC000157	EC000157	EC000157
Measuring depth	150 mm	200 mm	300 mm	500 mm
Stock length	100 mm	100 mm	100 mm	150 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## DEPTH GAUGES

### DEPTH GAUGE 200 MM LIMIT

Made of stainless steel. Matt chromium-plated scale. Reversible scale for hook or tip measurement. Graduated in millimetres. Vernier scale 0.05 mm. Stop length is 100 mm and hook length is 6 mm. Tolerance according to DIN 862.

<b>Article no.</b>	<b>122570104</b>
Design	Analogue
ETIM class code	EC000157
Measurement units	Mm
Measuring depth	200 mm
Stock length	100 mm
Number/pack.	1 PCS



### DEPTH GAUGE LIMIT

Made of stainless steel. Matt chromium-plated scale. With replaceable, hardened steel pin. The scale is graduated in mm and has 1/20 mm vernier. Lockable. Tolerance according to DIN 862.

<b>Article no.</b>	<b>26450106</b>	<b>26450205</b>
Design	Analogue	Analogue
ETIM class code	EC000157	EC000157
Measurement units	Mm	Mm
Measuring depth	80 mm	200 mm
Stock length	50 mm	100 mm
Number/pack.	1 PCS	1 PCS



## TREAD DEPTH GAUGE

### TREAD DEPTH GAUGE LIMIT

Digital depth gauge for measuring the tread on car tyres, etc. Battery type SR44, included.

<b>Article no.</b>	<b>132360108</b>
ETIM class code	EC000157
Measuring depth	25 mm
Tip length	5 mm
Tip width	4 mm
Number/pack.	1 PCS



<b>Article no.</b>	<b>Accessories</b>	<b>decription_table</b>	<b>Number/pack.</b>
132360108	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS

## DIAL GAUGES

### DIAL GAUGE (CENTRICATOR) LIMIT

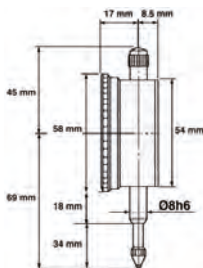
The centricator is used to quickly and easily find the centre of the workpiece or fixtures set up on column drills, milling machines and the like. The dial gauge stands still when the spindle rotates, which leaves the operator with both hands free to position the machine bed. Both internal and external centring are possible. Internal measurement range:  $\varnothing$  3-400 mm External measurement range:  $\varnothing$  0-300 mm Length with 45 mm sensing arm: 180 mm Supplied with three straight, three curved and one centring arm.



Article no.	242150100
ETIM class code	EC003591
Inaccuracy	0.02 mm
Measurement range, total	3 mm
Number/pack.	1 PCS

### DIAL INDICATOR LIMIT

With turnable scale and two adjustable tolerance indexes. Extra pointer, graduated in 0.2 mm up to whole mm. Body made of aluminium. Replaceable measuring tip. Without mounting lug. Tolerance according to DIN 878.



Article no.	119120103
Design	Analogue
Diameter, dial	58 mm
Dimension A	45 mm
Dimension B	69 mm
Dimension D	17 mm
Dimension F	18 mm
Dimension G	34 mm
Dimension H	54 mm
Dimension J	8.5 mm
ETIM class code	EC003591
Measurement range, total	1 mm
Measurement units	Mm
Measuring scale graduation	0.001 mm
One pointer turn =	0.2 mm
Scale graduation	0-100, 100-0
Securing pin diameter	8 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
119120103	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
119120103	174240200	LUG BACK TYPE 4	1 PCS
119120103	26510404	MEASURING BAR 90 MM	1 PCS
119120103	26510305	MEASURING BAR 60 MM	1 PCS
119120103	26510206	MEASURING BAR 30 MM	1 PCS
119120103	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
119120103	26510131	MEASURING BAR 10MM	1 PCS
119120103	53181202	EX. POINT FLAT 5318-573/20	1 PCS
119120103	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
119120103	53181103	EX. POINT CONICAL 5318-573/15	1 PCS

## DIAL GAUGES

### DIAL INDICATOR WITH TURNABLE SCALE LIMIT

With turnable scale and two adjustable tolerance indexes. Extra pointer that indicates whole millimetres. Body made of aluminium. Replaceable measuring tip. Without mounting lug. Tolerance according to DIN 878.

Article no.	119110104	119110203
Design	Analogue	Analogue
Diameter, dial	58 mm	58 mm
Dimension A	44 mm	38 mm
Dimension B	69 mm	81 mm
Dimension D	17 mm	17 mm
Dimension F	18 mm	18 mm
Dimension G	21 mm	34 mm
Dimension H	54 mm	54 mm
Dimension J	8.5 mm	8.5 mm
ETIM class code	EC003591	EC003591
Measurement range, total	10 mm	25 mm
Measurement units	Mm	Mm
Measuring scale graduation	0.01 mm	0.01 mm
One pointer turn =	1 mm	1 mm
Scale	0-100 100-0	0-100 100-0
Securing pin diameter	8 mm	8 mm
Number/pack.	1 PCS	1 PCS

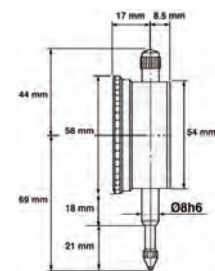
Article no.	Accessories	decription_table	Number/pack.
119110203	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
119110203	174240200	LUG BACK TYPE 4	1 PCS
119111003	174240200	LUG BACK TYPE 4	1 PCS
119110104	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
119110104	174240101	LUG BACK TYPE 3	1 PCS
119110104	26510404	MEASURING BAR 90 MM	1 PCS
119110104	26510305	MEASURING BAR 60 MM	1 PCS
119110104	26510206	MEASURING BAR 30 MM	1 PCS
119110104	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
119110104	26510131	MEASURING BAR 10MM	1 PCS
119110104	53181202	EX. POINT FLAT 5318-573/20	1 PCS
119110104	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
119110104	53181103	EX. POINT CONICAL 5318-573/15	1 PCS
119110203	26510404	MEASURING BAR 90 MM	1 PCS
119110203	26510305	MEASURING BAR 60 MM	1 PCS
119110203	26510206	MEASURING BAR 30 MM	1 PCS
119110203	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
119110203	26510131	MEASURING BAR 10MM	1 PCS
119110203	53181202	EX. POINT FLAT 5318-573/20	1 PCS
119110203	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
119110203	53181103	EX. POINT CONICAL 5318-573/15	1 PCS



119110104



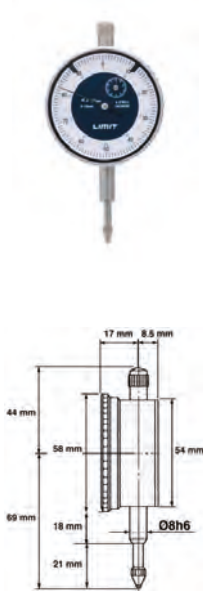
119110203



## DIAL GAUGES

### DIAL INDICATOR LIMIT

In impact resistant design. With turnable scale and two adjustable tolerance indexes. Extra pointer that shows whole mm. Casing of heavy duty plastic. Replaceable measuring tip. Without mounting lug (cannot be fitted with mounting lug). Tolerance according to DIN 878.



<b>Article no.</b>	<b>43970201</b>
Design	Analogue
Diameter, dial	58 mm
Dimension A	44 mm
Dimension B	69 mm
Dimension D	17 mm
Dimension F	18 mm
Dimension G	21 mm
Dimension H	54 mm
Dimension J	8.5 mm
ETIM class code	EC003591
Measurement range, total	10 mm
Measurement units	Mm
Measuring scale graduation	0.01 mm
One pointer turn =	1 mm
Scale	0-100 100-0
Securing pin diameter	8 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
43970201	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
43970201	174240101	LUG BACK TYPE 3	1 PCS
43970201	26510404	MEASURING BAR 90 MM	1 PCS
43970201	26510305	MEASURING BAR 60 MM	1 PCS
43970201	26510206	MEASURING BAR 30 MM	1 PCS
43970201	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
43970201	26510131	MEASURING BAR 10MM	1 PCS
43970201	53181202	EX. POINT FLAT 5318-573/20	1 PCS
43970201	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
43970201	53181103	EX. POINT CONICAL 5318-573/15	1 PCS

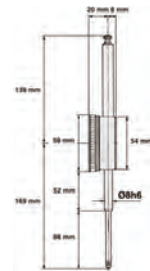
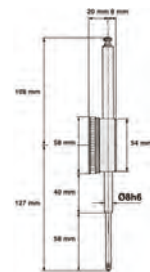
## DIAL GAUGES

### DIAL INDICATOR 50/00.1-80/0.01 LIMIT

In impact resistant design. With turnable scale and two adjustable tolerance indexes. Extra pointer that indicates whole millimetres. Body made of aluminium. Replaceable measuring tip. Without mounting lug. Tolerance according to DIN 878.

Article no.	119130102	119130201
Design	Analogue	Analogue
Diameter, dial	58 mm	58 mm
Dimension A	108 mm	139 mm
Dimension B	127 mm	169 mm
Dimension D	20 mm	20 mm
Dimension F	40 mm	52 mm
Dimension G	58 mm	88 mm
Dimension H	54 mm	54 mm
Dimension J	8 mm	8 mm
ETIM class code	EC003591	EC003591
Measurement range, total	50 mm	80 mm
Measurement units	Mm	Mm
Measuring scale graduation	0.01 mm	0.01 mm
One pointer turn =	1 mm	1 mm
Scale	0-100	0-100
Scale graduation	0-100	0-100
Securing pin diameter	8 mm	8 mm
Number/pack.	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
119130102	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
119130102	174240200	LUG BACK TYPE 4	1 PCS
119130201	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
119130102	26510404	MEASURING BAR 90 MM	1 PCS
119130102	26510305	MEASURING BAR 60 MM	1 PCS
119130102	26510206	MEASURING BAR 30 MM	1 PCS
119130102	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
119130102	26510131	MEASURING BAR 10MM	1 PCS
119130102	53181202	EX. POINT FLAT 5318-573/20	1 PCS
119130102	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
119130102	53181103	EX. POINT CONICAL 5318-573/15	1 PCS
119130201	26510404	MEASURING BAR 90 MM	1 PCS
119130201	26510305	MEASURING BAR 60 MM	1 PCS
119130201	26510206	MEASURING BAR 30 MM	1 PCS
119130201	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
119130201	26510131	MEASURING BAR 10MM	1 PCS
119130201	53181202	EX. POINT FLAT 5318-573/20	1 PCS
119130201	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
119130201	53181103	EX. POINT CONICAL 5318-573/15	1 PCS

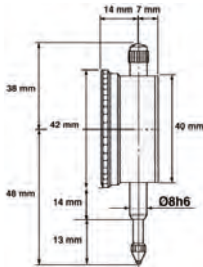




## DIAL GAUGES

### DIAL INDICATOR MINI LIMIT

Mini dial gauge. With turnable scale. Extra pointer that shows whole mm. Replaceable measuring tip. Without mounting lug. Tolerance according to DIN 878.



<b>Article no.</b>	<b>103900106</b>
Design	Analogue
Diameter, dial	40 mm
Dimension A	38 mm
Dimension B	48 mm
Dimension D	14 mm
Dimension F	14 mm
Dimension G	13 mm
Dimension H	40 mm
Dimension J	7 mm
ETIM class code	EC003591
Measurement range, total	5 mm
Measurement units	Mm
Measuring scale graduation	0.01 mm
One pointer turn =	0.5 mm
Scale	0-50 50-0
Scale graduation	0-50, 50-0
Securing pin diameter	8 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
103900106	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
103900106	174240101	LUG BACK TYPE 3	1 PCS
103900106	26510404	MEASURING BAR 90 MM	1 PCS
103900106	26510305	MEASURING BAR 60 MM	1 PCS
103900106	26510206	MEASURING BAR 30 MM	1 PCS
103900106	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
103900106	26510131	MEASURING BAR 10MM	1 PCS
103900106	53181202	EX. POINT FLAT 5318-573/20	1 PCS
103900106	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
103900106	53181103	EX. POINT CONICAL 5318-573/15	1 PCS

## DIAL GAUGES

### DIGITAL DIAL GAUGE DDA LIMIT

Digital dial gauge. Quick respond speed 1,6 m/s. Accuracy 0,02 mm. 11 mm digits. Data transfer. Tolerance function. Switch between absolute and incremental measurements. Zeroing. Switch between metric and imperial. DIN 878. Battery type CR2025, included.

Article no.	151300506	151300605
Battery	3V CR2032	3V CR2032
Design	Digital	Digital
Diameter, dial	56 mm	56 mm
Digit height	11 mm	11 mm
Dimension D	8 mm	8 mm
ETIM class code	EC003591	EC003591
Gauge thickness	27.8 mm	36.6 mm
Inaccuracy	0.02 mm	0.02 mm
Manufacturer's description	Limit DDA 12.7	Limit DDA 25.4
Measurement distance	0-12.7 mm	0-25.4 mm
Measurement range, min	0 mm	0 mm
Measurement range, total	12.7 mm	25.4 mm
Measurement units	Inch,mm	Inch,mm
No. of batteries	1 qty	1 qty
Resolution	0.01 mm	0.01 mm
Securing pin diameter	8 mm	8 mm
Number/pack.	1 PCS	1 PCS



151300506



151300605

Article no.	Accessories	decription_table	Number/pack.
151300506	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
151300506	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
151300605	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
151300605	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
151300506	26510404	MEASURING BAR 90 MM	1 PCS
151300506	26510305	MEASURING BAR 60 MM	1 PCS
151300506	26510206	MEASURING BAR 30 MM	1 PCS
151300506	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
151300506	26510131	MEASURING BAR 10MM	1 PCS
151300506	53181202	EX. POINT FLAT 5318-573/20	1 PCS
151300506	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
151300506	53181103	EX. POINT CONICAL 5318-573/15	1 PCS
151300605	26510404	MEASURING BAR 90 MM	1 PCS
151300605	26510305	MEASURING BAR 60 MM	1 PCS
151300605	26510206	MEASURING BAR 30 MM	1 PCS
151300605	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
151300605	26510131	MEASURING BAR 10MM	1 PCS
151300605	53181202	EX. POINT FLAT 5318-573/20	1 PCS
151300605	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
151300605	53181103	EX. POINT CONICAL 5318-573/15	1 PCS

## DIAL GAUGES

### DIGITAL DIAL GAUGE DDB LIMIT

Digital dial gauge. Ip 67. Quick respond speed 1,6 m/s. Accuracy 0,02 mm. 12 mm digits. Data transfer. Tolerance function. Switch between absolute and incremental measurements. Zeroing. Switch between metric and imperial. DIN 878. Battery type CR2032, included.



Article no.	292710092	292710100
Battery	3V CR2032 V	3V CR2032
Design	Digital	Digital
Diameter, dial	55.6 mm	55.6 mm
Digit height	11 mm	11 mm
Dimension D	8 mm	8 mm
Enclosure class IP	IP67	IP67
ETIM class code	EC003592	EC003592
Gauge thickness	25.7 mm	25.7 mm
Inaccuracy	0.008 mm	0.008 mm
Manufacturer's description	Limit DDB 12.5	Limit DDB 25.4
Measurement distance	0-12.5 mm	0-25.4 mm
Measurement range, min	0 mm	0 mm
Measurement range, total	12.5 mm	25.4 mm
Measurement units	Inch,mm	Inch,mm
No. of batteries	1 qty	1 qty
Resolution	5E-05 inch	0.001 mm
Securing pin diameter	8 mm	8 mm
Number/pack.	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
292710100	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
292710100	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
292710100	26510404	MEASURING BAR 90 MM	1 PCS
292710100	26510305	MEASURING BAR 60 MM	1 PCS
292710100	26510206	MEASURING BAR 30 MM	1 PCS
292710100	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
292710100	26510131	MEASURING BAR 10MM	1 PCS
292710100	53181202	EX. POINT FLAT 5318-573/20	1 PCS
292710100	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
292710100	53181103	EX. POINT CONICAL 5318-573/15	1 PCS
292710092	26510404	MEASURING BAR 90 MM	1 PCS
292710092	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
292710092	26510305	MEASURING BAR 60 MM	1 PCS
292710092	26510206	MEASURING BAR 30 MM	1 PCS
292710092	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
292710092	26510131	MEASURING BAR 10MM	1 PCS
292710092	53181202	EX. POINT FLAT 5318-573/20	1 PCS
292710092	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
292710092	53181103	EX. POINT CONICAL 5318-573/15	1 PCS
292710092	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

## DIAL GAUGES

### DIGITAL DIAL GAUGE DDC ABS LIMIT

Absolute Digital dial gauge with high accuracy. IP54. 330° swiveling of display for easy reading. Accuracy 0,004 mm. 10 mm digits. Data transfer. Tolerance and preset function. With origin system. Switch between absolute and incremental measurements. Zeroing. Switch between metric and imperial. DIN 878. Battery type CR2025 included.

Article no.	292720109	292720208
Battery	3V CR2032	3V CR2032
Data transfer	Cable	Cable
Design	Digital	Digital
Diameter, dial	61.1 mm	61.1 mm
Digit height	11 mm	11 mm
Dimension D	8 mm	8 mm
Enclosure class IP	IP54	IP54
ETIM class code	EC003591	EC003591
Gauge thickness	40.2 mm	46.2 mm
Inaccuracy	0.004 mm	0.004 mm
Manufacturer's description	Limit DDC 12.7	Limit DDC 25.4
Measurement distance	0-12.7 mm	0-25.4 mm
Measurement range, min	0 mm	0 mm
Measurement range, total	12.7 mm	25.4 mm
Measurement units	Inch,mm	Inch,mm
No. of batteries	1 qty	1 qty
Resolution	0.001 mm	0.001 mm
Securing pin diameter	8 mm	8 mm
Number/pack.	1 PCS	1 PCS



292720109



292720208

Article no.	Accessories	decription_table	Number/pack.
292720109	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
292720109	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
292720208	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
292720208	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
292720109	26510404	MEASURING BAR 90 MM	1 PCS
292720109	26510305	MEASURING BAR 60 MM	1 PCS
292720109	26510206	MEASURING BAR 30 MM	1 PCS
292720109	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
292720109	26510131	MEASURING BAR 10MM	1 PCS
292720109	53181202	EX. POINT FLAT 5318-573/20	1 PCS
292720109	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
292720109	53181103	EX. POINT CONICAL 5318-573/15	1 PCS
292720208	26510404	MEASURING BAR 90 MM	1 PCS
292720208	26510305	MEASURING BAR 60 MM	1 PCS
292720208	26510206	MEASURING BAR 30 MM	1 PCS
292720208	53181301	SEP.MEASURE POINT FLAT 573/11	1 PCS
292720208	26510131	MEASURING BAR 10MM	1 PCS
292720208	53181202	EX. POINT FLAT 5318-573/20	1 PCS
292720208	53181004	EX. POINT HALF-RO 5318-573/16	1 PCS
292720208	53181103	EX. POINT CONICAL 5318-573/15	1 PCS

## DIAL GAUGES – ACCESSORIES

### EXTENSION BAR FOR DIAL GAUGE LIMIT



Measuring rods for Limit dial gauges.

Article no.	26510131	26510206	26510305	26510404
ETIM class code	EC001195	EC001195	EC001195	EC001195
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## HOLDERS FOR DIAL GAUGES

**HOLDER FOR INDICATOR DIAL AND LEVEL TYPE DIAL INDICATOR LIMIT**  
151290103. Holder for indicator dial. With 8 and 6 mm holes and dovetail slot for level type dial indicator. 151290202. Holder with ball joint for level type dial indicator. Dovetail slot.



151290103



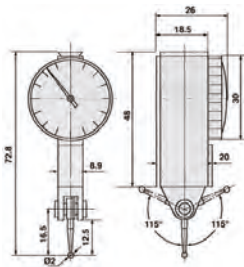
151290202

Article no.	151290103	151290202
Dimensions	6 x 12 x 76 mm	Ø 8 mm
ETIM class code	EC001195	EC001195
Hole diameter	8 och 6 mm	8 x 70 mm
Length	100 mm	80 mm
Number/pack.	1 PCS	1 PCS

## LEVER TYPE DIAL INDICATORS

### LEVEL TYPE DIAL INDICATOR LIMIT

The movement of the pointer is reversible. Turnable scale for zeroing. Supplied with two fixing pins, diameter 8 mm and 6 mm.



Article no.	22590103
Diameter, dial	30 mm
ETIM class code	EC003591
Flip-tip length	15 mm
Lever movement	Vertical
Measurement range, total	0.8 mm
Measuring scale graduation	0.01 mm
Scale graduation	0-40-0
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
22590103	151290103	HOLDER FOR DIAL INDICATOR	1 PCS
22590103	151290202	HOLDER FOR FLIP FLOP INDICATOR	1 PCS
22590103	22590301	EXTRA DOVETAIL BAR 8MM	1 PCS
22590103	22590202	EXT.BALL CONTACT POINT F.2259	1 PCS

## INDICATOR STANDS

### MEASURING STAND WITH INDICATOR DIAL LIMIT

Magnetic stand 119080208 with indicator dial 119110104.



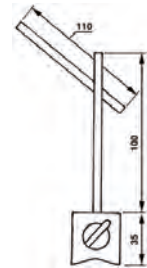
Article no.	119081008
Diameter, dial	58 mm
ETIM class code	EC001195
Height max	330 mm
Magnet pulling force	80 kg
Magnetic base height	58 mm
Magnetic base length	55 mm
Magnetic base width	50 mm
Measurement range	10 mm
Measuring scale graduation	0.01 mm
One pointer turn =	1 mm
Scale graduation	0-100, 100-0
Securing hole diameter	8 mm
Number/pack.	1 PCS

## INDICATOR STANDS

### INDICATOR STANDS LIMIT

Mini stand with magnetic base. V-slot in magnetic bases bottom. Magnetism switched on and off with a lever.

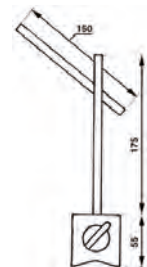
<b>Article no.</b>	<b>151280104</b>
ETIM class code	EC001195
Height max	230 mm
Magnet pulling force	40 kg
Magnetic base height	36 mm
Magnetic base length	35 mm
Magnetic base width	30 mm
Net weight	2 kg
Securing hole diameter	6,8 MM
Number/pack.	1 PCS



### MEASURING STAND STANDARD LIMIT

With fine adjustment. With magnetic base. The bottom and back are magnetic. The magnetism is switched on and off with the button. Vertically and horizontally adjustable. Supplied with top and bottom holder, but without dial indicator.

<b>Article no.</b>	<b>60191004</b>
ETIM class code	EC001195
Height max	250 mm
Magnet pulling force	75 kg
Magnetic base height	58 mm
Magnetic base length	55 mm
Magnetic base width	50 mm
Net weight	1.5 kg
Securing hole diameter	8 MM
Number/pack.	1 PCS



Article no.	Accessories	decription_table	Number/pack.
60191004	60190600	MAGNETIC BASE 100KG	1 PCS
60191004	60190402	UPPER AND LOWER HOLDER	1 PCS

## INDICATOR STANDS

### MEASURING STAND FLEXIBLE ARM LIMIT

Flexible arm - lockable with lever in every required position. Magnetic base - on the V-shaped bottom and one side. The magnetism is switched on and off with a knob. Supplied without dial indicator.



<b>Article no.</b>	<b>60200201</b>
Arm length, total	330 mm
ETIM class code	EC001195
Magnet pulling force	80 kg
Magnetic base height	58 mm
Magnetic base length	55 mm
Magnetic base width	50 mm
Net weight	1.6 kg
Securing hole diameter	6,8 MM
Number/pack.	1 PCS

### MEASURING STAND LIMIT



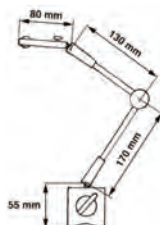
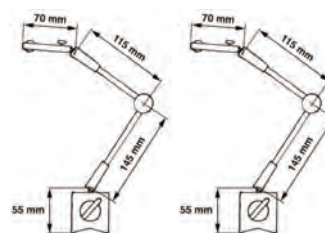
119080208



119080257



119080307



With fine adjustment in the top holder. Holder with holes for indicator dial and dovetail slot for rocker indicator. Central locking with one knob for the bottom, middle and top joints. Magnetic base with V-slot in the bottom. Supplied without indicator dial. 11908-0257. With fine adjustment at the magnetic base.

Article no.	119080208	119080257	119080307
Dimension A	70 mm	70 mm	80 mm
Dimension B	115 mm	115 mm	130 mm
Dimension D	55 mm	55 mm	55 mm
ETIM class code	EC001195	EC001195	EC001195
Height max	330 mm	330 mm	385 mm
Magnet pulling force	80 kg	80 kg	100 kg
Magnetic base length	55 mm	55 mm	75 mm
Magnetic base width	50 mm	50 mm	50 mm
Net weight	1.9 kg	1.9 kg	2.2 kg
Securing hole diameter	8 MM	8 MM	8 MM
Number/pack.	1 PCS	1 PCS	1 PCS

## INDICATOR STANDS – ACCESSORIES

### HOLDER AND MAGNETIC FOOT FOR MEASURING STAND LIMIT

Accessories for measuring stand Limit.

Article no.	60190402	60190600
Depth	-	74 mm
ETIM class code	EC001195	EC001195
Height	-	55 mm
Thread	-	M8
Width	-	50 mm
Number/pack.	1 PCS	1 PCS



60190402

## HOLE GAUGES

### CYLINDER GAUGE LIMIT



61931002



61931101



61931200



61931309

For precision measurements in holes and grooves. Equipped with interchangeable measuring tips and spacers for different dimensions. The indicator is centred automatically with a spring-loaded support and has a tungsten carbide coated measurement tip. Complete with dial gauge. Accuracy is  $\pm 15 \mu\text{m}$  plus the gauge accuracy according to DIN 878. The bottom hole can be measured from the bottom. 61931002: 10, 11, 12, 13, 14, 15, 16, 17, 18mm 61931101: 18,20,22,24,26,28,30,32,34mm 61931200: 35, 40, 45, 50mm 61931309: 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105mm 61931408: 160, 170, 180, 190, 200mm

Article no.	61931002	61931101	61931200	61931309	61931408
Bottom hole	7 mm	7 mm	7.5 mm	10 mm	15 mm
ETIM class code	EC003591	EC003591	EC003591	EC003591	EC003591
Inaccuracy	0.01 mm	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Measurement range	10-18 mm	18-35 mm	35-50 mm	50-160 mm	160-250 mm
Measuring depth	100 mm	125 mm	150 mm	150 mm	400 mm
Number of measuring tips	9 qty	7 qty	4 qty	12 qty	5 qty
Type	-	E	F	H	J
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
61931101	61932109	MEASURING TIP SET FOR 61931101	1 SET
61931200	61932208	MEASURING TIP SET FOR 61931200	1 SET
61931309	61932307	MEASURING TIP SET FOR 61931309	1 SET
61931408	61932406	MEASURING TIP SET FOR 61931408	1 SET
61931002	61932000	MEASURING TIP SET FOR 61931002	1 SET

## HOLE INDICATORS – ACCESSORIES

### MEASURING TIP FOR CYLINDER INDICATOR LIMIT



61932208



61932307



61932406



61932000



61932109

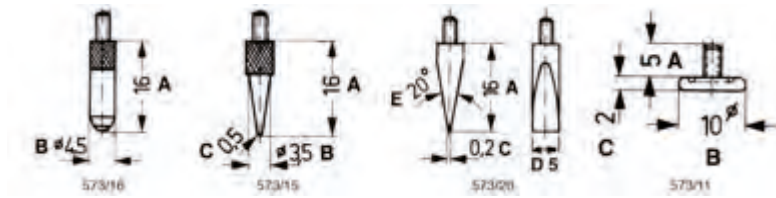
Accessories for cylinder indicator Limit.

Article no.	61932208	61932307	61932406	61932000	61932109
Description	Extra measuring tips – set for 6193-1200	Extra measuring tips – set for 6193-1309	Extra measuring tips – set for 6193-1408	-	-
Number/pack.	1 SET	1 SET	1 SET	1 SET	1 SET



## MEASURING TIPS

### MEASURING TIP FOR DIAL GAUGES LIMIT



Spare measuring tips for dial indicators.

Article no.	53181004	53181103	53181202	53181301
ETIM class code	EC001195	EC001195	EC001195	EC001195
Manufacturer's description	573/16	573/15	573/20	573/11
Technical Info	Tip: Half round, Dimension A: 16 mm, Dimension B, diameter: 4.5 mm	Tip: Tapered, Dimension A: 16 mm, Dimension B, diameter: 3.5 mm, Dimension C: 0.5 mm	Tip: Flat, Dimension A: 16 mm, Dimension C: 0.2 mm, Dimension D: 5 mm, Dimension E: 20°	Tip: Flat, Dimension A: 5 mm, Dimension B, diameter: 10 mm, Dimension C: 2 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
53181301	26510404	MEASURING BAR 90 MM	1 PCS
53181301	26510305	MEASURING BAR 60 MM	1 PCS
53181301	26510206	MEASURING BAR 30 MM	1 PCS
53181301	26510131	MEASURING BAR 10MM	1 PCS
53181202	26510404	MEASURING BAR 90 MM	1 PCS
53181202	26510305	MEASURING BAR 60 MM	1 PCS
53181202	26510206	MEASURING BAR 30 MM	1 PCS
53181202	26510131	MEASURING BAR 10MM	1 PCS
53181004	26510404	MEASURING BAR 90 MM	1 PCS
53181004	26510305	MEASURING BAR 60 MM	1 PCS
53181004	26510206	MEASURING BAR 30 MM	1 PCS
53181004	26510131	MEASURING BAR 10MM	1 PCS
53181103	26510404	MEASURING BAR 90 MM	1 PCS
53181103	26510305	MEASURING BAR 60 MM	1 PCS
53181103	26510206	MEASURING BAR 30 MM	1 PCS
53181103	26510131	MEASURING BAR 10MM	1 PCS

## FEELER GAUGES – SETS

### FEELER GAUGE 300 MM LIMIT

With blades in mm dimensions. Held in key ring. Cylindrical blades.



Article no.	25971003
Blade length	300 mm
Contents	Feeler gauge: 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00 mm
ETIM class code	EC011851
No. of parts	13 qty
Number/pack.	1 PCS

### FEELER GAUGE NICKEL-PLATED LIMIT

With blades of brass in mm dimensions. Nickel-plated, lockable holder and tapered blades.



67921007



67921205

Article no.	67921007	67921106	67921205
Blade length	100 mm	100 mm	100 mm
Contents	Feeler gauge: 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50 mm	Feeler gauge: 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00 mm	Feeler gauge: 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm
ETIM class code	EC011851	EC011851	EC011851
No. of parts	8 qty	13 qty	20 qty
Number/pack.	1 PCS	1 PCS	1 PCS

## FEELER GAUGES – SETS

### FEELER GAUGE LIMIT



With blades in mm dimensions. For measuring slots and bearing play, etc. With nickel-plated, lockable holder, tapered blades.

Article no.	25953001	25953100	25953209	25953308	25953407	25953506
Blade length	100 mm	100 mm	100 mm	100 mm	100 mm	200 mm
Contents	Feeler gauge: 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10 mm	Feeler gauge: 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50 mm	Feeler gauge: 0.10, 0.12, 0.14, 0.16, 0.18, 0.20, 0.22, 0.24, 0.26, 0.28, 0.30, 0.32, 0.34, 0.36, 0.38, 0.40, 0.42, 0.44, 0.46, 0.48, 0.50 mm	Feeler gauge: 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00 mm	Feeler gauge: 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm	Feeler gauge: 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00 mm
ETIM class code	EC011851	EC011851	EC011851	EC011851	EC011851	EC011851
No. of parts	8 qty	8 qty	21 qty	13 qty	20 qty	13 qty
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS
Article no.	25953605	25950601	25951104			
Blade length	200 mm	98 mm	200 mm			
Contents	Feeler gauge: 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm	Feeler gauge: 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00, 1.10, 1.20, 1.30, 1.40, 1.50, 1.60, 1.70, 1.80, 1.90, 2.00 mm	Feeler gauge: 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00, 1.10, 1.20, 1.30, 1.40, 1.50, 1.60, 1.70, 1.80, 1.90, 2.00 mm			
ETIM class code	EC011851	EC011851	EC011851			
No. of parts	20 qty	20 qty	20 qty			
Number/pack.	1 PCS	1 PCS	1 PCS			

### FEELER GAUGE. CALIBRATED LIMIT

Calibrated. Tolerance according to DIN 2275. Protocol included. Calibrated at two measuring points per gauge. Gauges in millimetre sizes. For measuring slots, gaps in bearings, etc. With nickel-plated, lockable holder.

Article no.	25952003	25952102	25952201
Blade length	100 mm	100 mm	100 mm
Contents	Feeler gauge 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.1 mm,	Feeler gauge 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00 mm	Feeler gauge 0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00 mm
ETIM class code	EC011851	EC011851	EC011851
No. of parts	8 qty	13 qty	20 qty
Number/pack.	1 PCS	1 PCS	1 PCS



## FEELER STRIPS

### FEELER STRIPS LIMIT

Cold-rolled, hardened and polished bright. With rounded edges. Etched dimensions every 150 mm. Supplied in plastic boxes (thicknesses over 0.60 mm in metal boxes). Length per box, 3 m. Width 13 mm. (Other widths on request.)



<b>Article no.</b>	<b>25990052</b>	<b>25990102</b>	<b>25990201</b>	<b>25990300</b>
Blade thickness	0.01 mm	0.02 mm	0.03 mm	0.04 mm
ETIM class code	EC011851	EC011851	EC011851	EC011851
Tolerance	±0.004 mm	±0.004 mm	±0.004 mm	±0.004 mm
Number/pack.	3 M	3 M	3 M	3 M
<b>Article no.</b>	<b>25990409</b>	<b>25990508</b>	<b>25990607</b>	<b>25990706</b>
Blade thickness	0.05 mm	0.06 mm	0.07 mm	0.08 mm
ETIM class code	EC011851	EC011851	EC011851	EC011851
Tolerance	±0.004 mm	±0.004 mm	±0.004 mm	±0.004 mm
Number/pack.	3 M	3 M	3 M	3 M
<b>Article no.</b>	<b>25990805</b>	<b>25990904</b>	<b>25991308</b>	<b>25991506</b>
Blade thickness	0.09 mm	0.1 mm	0.15 mm	0.2 mm
ETIM class code	EC011851	EC011851	EC011851	EC011851
Tolerance	±0.004 mm	±0.005 mm	±0.005 mm	±0.007 mm
Number/pack.	3 M	3 M	3 M	3 M
<b>Article no.</b>	<b>25991605</b>	<b>25991704</b>	<b>25991902</b>	<b>25992009</b>
Blade thickness	0.25 mm	0.3 mm	0.35 mm	0.4 mm
ETIM class code	EC011851	EC011851	EC011851	EC011851
Tolerance	±0.008 mm	±0.009 mm	±0.009 mm	±0.011 mm
Number/pack.	3 M	3 M	3 M	3 M
<b>Article no.</b>	<b>25992108</b>	<b>25992207</b>	<b>25992405</b>	<b>25992504</b>
Blade thickness	0.45 mm	0.5 mm	0.6 mm	0.7 mm
ETIM class code	EC011851	EC011851	EC011851	EC011851
Tolerance	±0.011 mm	±0.013 mm	±0.015 mm	±0.015 mm
Number/pack.	3 M	3 M	3 M	3 M
<b>Article no.</b>	<b>25992702</b>	<b>25992801</b>	<b>25992900</b>	
Blade thickness	0.8 mm	0.9 mm	1 mm	
ETIM class code	EC011851	EC011851	EC011851	
Tolerance	±0.017 mm	±0.017 mm	±0.017 mm	
Number/pack.	3 M	3 M	3 M	
<b>Article no.</b>	<b>Accessories</b>	<b>decription_table</b>	<b>Number/pack.</b>	
25990409	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25990508	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25990607	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25990706	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25990805	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25990904	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25991308	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25991506	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25991605	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25991704	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25991902	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25992009	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25992108	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25992207	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25992405	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25992504	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25992702	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25992801	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25992900	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25990052	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25990102	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25990201	26000109	FEELER STRIP HOLDER 2600	1 PCS	
25990300	26000109	FEELER STRIP HOLDER 2600	1 PCS	

## FEELER STRIP HOLDER

### FEELER STRIP HOLDER LIMIT

For feeling strips 2599.

Article no.	26000109
ETIM class code	EC011851
Length	135 mm
Width	13 mm
Number/pack.	1 PCS



## ANGLE GAUGES – SETS

### ANGLE GAUGE LIMIT

With folding blades of steel. The blade ends are bevelled at various angles.

Article no.	25861006
Contents	For angles 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 14, 16, 18, 20, 25, 30, 40, 45°
ETIM class code	EC004337
No. of parts	18 qty
Number/pack.	1 PCS

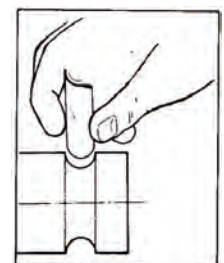


## RADIUS GAUGES

### RADIUS GAUGES LIMIT

With folding blades for measuring radii on concave and convex surfaces.

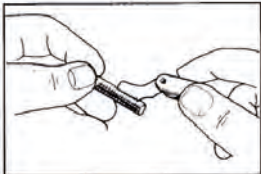
Article no.	25841008	25841107	25841206
Interval	(1-3)=0.25 (3-17)=0.5 mm	0.5 mm	(15.5-20)=0.5 (20-25)=1 mm
No. of parts	34 qty	32 qty	30 qty
Radius' measurement range	1-7 mm	7.5-15 mm	15.5-25 mm
Number/pack.	1 PCS	1 PCS	1 PCS



## THREAD GAUGES

### SCREW PITCH GAUGE LIMIT

Hardened. With folding blades. For internal and external measurements.



Article no.	25801002	25801101	25801200	25801309
No. of parts	28 qty	24 qty	54 qty	30 qty
Thread gauge	55 °	60 °	60 °	60 °
Thread pitch	-	0.25-6 mm	0.25-6 mm	-
Thread system	W	M	M/UNC	UNC-UNF
Threads per inch	4-62 qty	-	4-42 qty	4-42 qty
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	25801408
No. of parts	6 qty
Thread gauge	55 °
Thread pitch	-
Thread system	G pipe (R)
Threads per inch	8-28 qty
Number/pack.	1 PCS

### THREAD TEMPLATE UNIVERSAL LIMIT

Universal. For V-threads (thread angle), square threads (threads per inch) and 30° buttress threads (pitch).



Article no.	25771007
ETIM class code	EC004390
Thread gauge	55 - 60 °
Thread pitch	2 3 4 5 6 7 8 9 10 12 mm
Threads per inch	2 2.5 3 3.5 4 4.5 5 6 7 8 qty
Number/pack.	1 PCS

### THREAD TEMPLATE LIMIT

Hardened. For Whitworth or metric thread system, and for checking of turning centres.



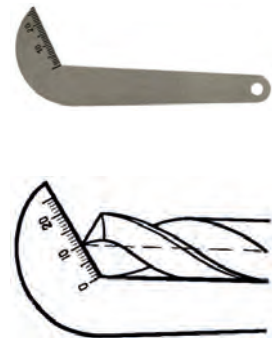
Article no.	25751009	25751108
ETIM class code	EC004390	EC004390
Thread gauge	55 °	60 °
Thread system	W	M/UN
Number/pack.	1 PCS	1 PCS

## GRINDING GAUGE

### GRINDING GAUGE LIMIT

Used for grinding twist drills. Graduated up to 25 mm.

<b>Article no.</b>	<b>25650102</b>
Diameter, max	50 mm
ETIM class code	EC001195
Nose angle	118 °
Number/pack.	1 PCS



## HARDNESS TESTER

### HARDNESS TESTER FOR RUBBER. LIMIT 4000

Measures the hardness of soft materials such as rubber, soft plastic materials, leather etc. A spring-loaded measuring tip is held against the material and the hardness is given in Shore A. The measuring surface should be relatively smooth and at least 12 mm in diameter. The measurement should be taken at least 12 mm from the outer edge. Calibration can be performed against the attached test block. The instrument has a mean value function for 2 to 9 measurements. Switches off automatically after 1 minute. Instrument complies with standards according to DIN 53505, ISO 868, ASTM D 2240.

<b>Article no.</b>	<b>144850104</b>
Battery type	Alkaline
Battery type IEC	LR03
ETIM class code	EC003595
Inaccuracy	±1 mm
Manufacturer's description	4000
Material thickness min.	6 mm
Max. working temperature	50 °C
Measurement range	0-100 mm
Moisture content, max	80 % RH
Moisture content, min	0 % RH
No. of batteries	4 qty
Weight	170 kg
Work temperature, min	0 °C
Number/pack.	1 PCS



### HARDNESS TESTER FOR STEEL. LIMIT 4300

Portable hardness tester for most common metals, steel, stainless steel, cast iron, aluminium, brass, bronze and copper. Adjustable for measuring in Rockwell HRB 38-100 and Rockwell HRC 20-68, Vickers HV 80-940 and Brinell HB 80-647. Separate measurement probe facilitates measurements on large objects and hard to reach areas. Easy to use. Select striking direction, material code, scale. Hold the measurement probe firmly against the measurement object, release the spring mechanism and read the measurement value, measurement probe diameter 20 mm.

<b>Article no.</b>	<b>230450108</b>
Battery type	Alkaline
Battery type ANSI	AAA
Dimensions	120x60x28 mm



## HARDNESS TESTER

### HARDNESS TESTER FOR STEEL. LIMIT 4300

Article no.	230450108
ETIM class code	EC003595
Manufacturer's description	4300
No. of batteries	4 qty
Number/pack.	1 PCS

## HEIGHT GAUGES

### HEIGHT MARKING GAUGE ELECTRONIC LIMIT

Made of stainless steel. High contrast LCD display. Adjustable measuring direction, switch between metric and imperial. Zeroing button. Hold function. DIN 862. 8 mm attachment for dial gauge included. Dial gauge not included. Battery type CR2032, included.



21461108

Article no.	21461108	21461306
Base dimensions	110x65 mm	120x170 mm
Design	Digital	Digital
ETIM class code	EC002187	EC002187
Horizontal range of measuring tip, max	110 mm	145 mm
Inaccuracy	±0.03 mm	±0.03 mm
Measurement units	Mm,inch	Mm,inch
Overall height	455 mm	640 mm
Resolution	0.01 mm	0.01 mm
Scribing height	300 mm	500 mm
Number/pack.	1 PCS	1 PCS



21461306

Article no.	Accessories	decription_table	Number/pack.
21461306	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
21461108	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
21461108	21461207	SPARE SCRIBING POINT 2146	1 PCS
21461306	21461405	DIGITAL HEIGHT GAUGE 500 MM	1 PCS

### HEIGHT MARKING GAUGES LIMIT

Made of stainless steel. Precision design. Matt chromium-plated scale. Graduated in mm. With fine-adjusting screw and vernier reading 0.05 mm. DIN 862.



Article no.	22490056	22490106	22490205
Base dimensions	110x60 mm	150x90 mm	220x150 mm
Design	Analogue	Analogue	Analogue
ETIM class code	EC002187	EC002187	EC002187
Lock type	Locking screw	Locking screw	Locking screw
Measurement units	Mm	Mm	Mm
Scribing height	300 mm	500 mm	1000 mm
Weight	2.6 kg	4.7 kg	10 kg
Number/pack.	1 PCS	1 PCS	1 PCS

## HEIGHT GAUGES

### HEIGHT MARKING GAUGES LIMIT

Article no.	Accessories	decription_table	Number/pack.
22490056	22490304	EXTRA SCRIBER POINT 500 MM	1 PCS
22490106	22490403	EXTRA SCRIBER (1000MM)	1 PCS
22490205	22490502	EXTRA SCRIBER 1000MM	1 PCS

## HEIGHT MARKING GAUGES – ACCESSORIES

### SCRIBER TIP FOR HEIGHT MARKING GAUGE LIMIT



Accessories for Limit height marking gauge.

Article no.	21461207	21461405	22490502	22490403	22490304
Description	Extra scriber tip for 2146-1108	Extra scriber tip for 2146-1306	Extra scriber tip for 2249-0205	Extra scriber tip for 2249-0106	Extra scriber tip for 2249-0056
ETIM class code	EC002137	EC002137	EC002137	EC002137	EC002137
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS

## HOLE SIZE GAUGES

### HOLE SIZE GAUGE LIMIT

For measuring and inspection of hole diameters or slot widths. Stainless steel with matt chromium-plated scale.

Article no.	14411003
Graduated length	0.1 mm
Measurement range	1-15 mm
Scale length	120 mm
Thickness	1.2 mm
Number/pack.	1 PCS



### HOLE SIZE GAUGE 2641-2 LIMIT

Taper of measuring needle 1:10. Direct reading 0.1 mm and vernier reading 0.01 mm. The needle is precision hardened and ground. With protective sleeve. Nickel-plated.

Article no.	26410209
For diameter	0-5 mm
Manufacturer's description	2
Number/pack.	1 PCS





## MACHINE LEVELS

### DIGITAL SPIRIT LEVEL AND ANGLE GAUGE LDC60 LIMIT

Digital spirit level and angle gauge. Magnet on the base. Can be set to 0 in all positions. Automatic shut-off. Battery type AAA, not included.



<b>Article no.</b>	<b>174250050</b>
Battery type	Alkaline
Battery type ANSI	AAA
Enclosure class IP	IP54
ETIM class code	EC000145
Height	56 mm
Inaccuracy	±0.3 mm
Length	60 mm
Measurement range	4 x 0-90 mm
No. of batteries	1 qty
Reading	0.1 °
Width	28 mm
Number/pack.	1 PCS

### DIGITAL SPIRIT LEVEL AND ANGLE GAUGE LIMIT

Digital spirit level and angle gauge. Display shows two angle values. An absolute value and a relative value. Display can be pivoted to make it easy to read from above. Magnet on the base. Can be set to 0 in all positions. Measurement value can be frozen in the desired position. Automatic shut-off. Battery type AAA, not included.



<b>Article no.</b>	<b>174250209</b>
Battery type	Alkaline
Battery type ANSI	AAA
Enclosure class IP	IP54
ETIM class code	EC000145
Height	50 mm
Inaccuracy	±0.3 mm
Length	60 mm
Measurement range	0-180 mm
No. of batteries	2 qty
Reading	0.1 °
Width	32 mm
Number/pack.	1 PCS

### DIGITAL SPIRIT LEVEL AND ANGLE GAUGE LIMIT LDA 150

Digital spirit level and angle gauge IP65 Magnet and V-slot on underside. Can be set to 0 in all positions. Absolute function means the value can switch between the actual 0 value and another 0 value. Measurement value can be frozen in the desired position. Automatic shut-off. Battery type LR03, 2 pcs included.



<b>Article no.</b>	<b>174260208</b>
Battery size	AAA (1.5 V),LR03
Battery type	Alkaline
Enclosure class IP	IP65
ETIM class code	EC000145
Height	60 mm
Inaccuracy	0° and 90° ±0.05° remaining ±0.15° mm
Length	151 mm
Manufacturer's description	LIMIT LDA 150
No. of batteries	2 qty
Reading	4x90 (0-360) °
Resolution	0.05 mm
Width	32 mm
Number/pack.	1 PCS

## MACHINE LEVELS

### FRAME LEVEL WITH GROOVE LIMIT

Precision level of cast iron. Adjustable, graduated longitudinal and transverse vials. Precision in accordance with DIN 877. V-groove in contact surface.

Article no.	07570039	07570054	07570104	07570203
ETIM class code	EC000145	EC000145	EC000145	EC000145
Height	100 mm	150 mm	200 mm	200 mm
Inaccuracy	±0.025 mm	±0.025 mm	±0.025 mm	±0.005 mm
Length	100 mm	150 mm	200 mm	200 mm
Scale value	0.05 mm/m	0.05 mm/m	0.1 mm/m	0.02 mm/m
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



### PRECISION LEVEL LIMIT

Precision level of cast iron. Adjustable, graduated longitudinal and transverse vials. Precision in accordance with DIN 877. V-groove in contact surface.

Article no.	07490055	07490154	07490204	07490402
ETIM class code	EC000145	EC000145	EC000145	EC000145
Height	30 mm	40 mm	46 mm	46 mm
Length	100 mm	150 mm	200 mm	200 mm
Scale value	0.05 mm/m	0.05 mm/m	0.1 mm/m	0.02 mm/m
Width	35 mm	44 mm	46 mm	46 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



## MICROMETERS

### DIGITAL MICROMETER LIMIT MDA 25 / 50 / 75 / 100 IP65



272450107

272450206

272450305

272450404

Digital micrometer with forged frame and class IP65 for quick reading of measurement results. Dust and waterproof. Hardened spindle with fine-polished tungsten carbide measuring faces. LCD screen with 7.5 mm digits. Buttons for switching the light on and off and various other functions. Friction sleeve and lock nut. Manufactured according to DIN 863. Battery type SR44, included.

Article no.	272450107	272450206	272450305	272450404
Design	Digital	Digital	Digital	Digital
ETIM class code	EC003590	EC003590	EC003590	EC003590
Inaccuracy	0.002 mm	0.002 mm	0.003 mm	0.003 mm
Manufacturer's description	Limit MDA 25	Limit MDA 50	Limit MDA 75	Limit MDA 100
Measurement range, max	25 mm	50 mm	75 mm	100 mm
Measurement range, min	0 mm	25 mm	50 mm	75 mm
Measurement units	Mm	Mm	Mm	Mm
Micrometer type	Frame micrometer	Frame micrometer	Frame micrometer	Frame micrometer
Resolution	0.001 mm	0.001 mm	0.001 mm	0.001 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## MICROMETERS

### DIGITAL MICROMETER LIMIT MDA 25 / 50 / 75 / 100 IP65

Article no.	Accessories	decription_table	Number/pack.
272450206	60070208	MICROMETER HOLDER	1 PCS
272450206	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS
272450206	102380102	MICROMETER STAND LIMIT	1 PCS
272450107	60070208	MICROMETER HOLDER	1 PCS
272450107	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS
272450107	102380102	MICROMETER STAND LIMIT	1 PCS
272450404	60070208	MICROMETER HOLDER	1 PCS
272450404	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS
272450404	102380102	MICROMETER STAND LIMIT	1 PCS
272450305	60070208	MICROMETER HOLDER	1 PCS
272450305	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS
272450305	102380102	MICROMETER STAND LIMIT	1 PCS



### DIGITAL TUBEMIKROMETER MDQ LIMIT

Digital pipe micrometer in industry quality. Water-resistant IP65. Forged frame with matt chromium-plated scale. Hardened spindle with double spherical measuring faces. Friction sleeve and lock nut. Adjustable between metric and imperial. Automatic shut-off. DIN 863. Battery type SR44, included.

<b>Article no.</b>	<b>132680307</b>
Data transfer	Cable
Design	Digital
Enclosure class IP	IP65
ETIM class code	EC003590
Inaccuracy	0.004 mm
Manufacturer's description	Limit MDQ 25
Measurement distance	0-25 mm
Measurement length	25 mm
Measurement range, max	25 mm
Measurement range, min	0 mm
Measurement units	Inch,mm
Micrometer type	Tube micrometer
Resolution	0.001 inch
Number/pack.	1 PCS

### INSIDE MICROMETER LIMIT MIA 30 / 50 / 75 / 100



272440108

272440207

272440306

272440405

Inside micrometer, forged with matt chrome-plated scale. Hardened and fine-polished measuring faces. Friction screw and locking screw. Manufactured according to DIN 863. Supplied with setting ring.

Article no.	272440108	272440207	272440306	272440405
Design	Analogue	Analogue	Analogue	Analogue
ETIM class code	EC003590	EC003590	EC003590	EC003590

## MICROMETERS

### INSIDE MICROMETER LIMIT MIA 30 / 50 / 75 / 100

Article no.	272440108	272440207	272440306	272440405
Inaccuracy	0.005 mm	0.006 mm	0.007 mm	0.008 mm
Manufacturer's description	Limit MIA 30	Limit MIA 50	Limit MIA 75	Limit MIA 100
Measurement range, max	30 mm	50 mm	75 mm	100 mm
Measurement range, min	5 mm	25 mm	50 mm	75 mm
Measurement units	Mm	Mm	Mm	Mm
Micrometer type	Internal micrometer	Internal micrometer	Internal micrometer	Internal micrometer
Resolution	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

### INSIDE MICROMETERS LIMIT

Matt chromium-plated scale. Consist of measuring head and requisite extension sleeves. Supplied with adjusting frame. DIN 863. Extension sleeves have length for article 96230107 - 13mm, 25mm, 50mm, 100mm; 96230206 - 13mm, 25mm, 50mm, 100mm, 150mm, 200mm; 96230305 - 25mm, 50mm (2 pieces), 100mm, 200mm, 400mm (2 pieces).

Article no.	96230107	96230206	96230305
ETIM class code	EC003590	EC003590	EC003590
Measurement range, max	200 mm	600 mm	1400 mm
Measurement range, min	50 mm	50 mm	150 mm
No. of parts	5 qty	7 qty	9 qty
Resolution	0.01 mm	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS	1 PCS



### MICROMETER 0-25, 25-50 MM LIMIT

Measurement value is shown on the counter. Fine-polished measuring faces of hard metal. Friction drum and lock nut. DIN 863.

Article no.	119100105	119100204
ETIM class code	EC003590	EC003590
Inaccuracy	±0.004 mm	±0.004 mm
Measurement range, max	25 mm	50 mm
Measurement range, min	0 mm	25 mm
Resolution	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS



Article no.	Accessories	decription_table	Number/pack.
119100204	60070208	MICROMETER HOLDER	1 PCS
119100204	102380102	MICROMETER STAND LIMIT	1 PCS
119100105	60070208	MICROMETER HOLDER	1 PCS
119100105	102380102	MICROMETER STAND LIMIT	1 PCS

## MICROMETERS

### MICROMETER DEPTH GAUGE LIMIT

Reading 0.01 mm with 4 interchangeable insert rods (diameter 4.5 mm) at 25 mm intervals. Matt chrome-plated micrometer head. DIN 863.



<b>Article no.</b>	<b>73250102</b>
ETIM class code	EC003590
Measurement range, max	100 mm
Measurement range, min	0 mm
Stock length	63 mm
Number/pack.	1 PCS

### MICROMETER HEAD MHA 25

Micrometer head, forged with friction thimble and tungsten carbide measuring face. Manufactured according to DIN 863. Attachment diameter x length 12 x 17.5 mm.



<b>Article no.</b>	<b>272360108</b>
Design	Analogue
ETIM class code	EC003590
Inaccuracy	0.003 mm
Manufacturer's description	Limit MHA 25
Measurement range, max	25 mm
Measurement range, min	0 mm
Measurement units	Mm
Micrometer type	Micrometer head
Resolution	0.001 mm
Number/pack.	1 PCS

### MICROMETER LIMIT MMB 125 / 150 / 175 / 200



272390105

272390204

272390303

272390402

Outside micrometer with painted steel frame and matt chromium-plated scale. Hardened spindle 6.5 mm with fine-polished tungsten carbide measuring faces. Friction screw and lock handle. Manufactured according to DIN 863.

Article no.	272390105	272390204	272390303	272390402
Design	Analogue	Analogue	Analogue	Analogue
ETIM class code	EC003590	EC003590	EC003590	EC003590
Inaccuracy	0.006 mm	0.006 mm	0.007 mm	0.007 mm
Manufacturer's description	Limit MMB 125	Limit MMB 150	Limit MMB 175	Limit MMB 200
Measurement range, max	125 mm	150 mm	175 mm	200 mm
Measurement range, min	100 mm	125 mm	150 mm	175 mm
Measurement units	Mm	Mm	Mm	Mm
Micrometer type	Frame micrometer	Frame micrometer	Frame micrometer	Frame micrometer
Resolution	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## MICROMETERS

### MICROMETER LIMIT MMB 125 / 150 / 175 / 200

Article no.	Accessories	decription_table	Number/pack.
272390303	60070208	MICROMETER HOLDER	1 PCS
272390105	60070208	MICROMETER HOLDER	1 PCS
272390402	60070208	MICROMETER HOLDER	1 PCS
272390204	60070208	MICROMETER HOLDER	1 PCS

### MICROMETER LIMIT MMC 400 / 500 / 600 / 700 / 800



Outside micrometer with adjustable measuring rod with fixed spacers. Painted, lightweight steel frame, hardened spindle 8.0 mm with fine-polished tungsten carbide measuring faces. Manufactured according to DIN 863.

Article no.	272400102	272400201	272400300	272400409	272400508
Design	Analogue	-	Analogue	Analogue	-
ETIM class code	EC003590	EC003590	EC003590	EC003590	EC003590
Inaccuracy	0.011 mm	0.013 mm	0.015 mm	0.016 mm	0.018 mm
Manufacturer's description	Limit MMC 400	Limit MMC 500	Limit MMC 600	Limit MMC 700	Limit MMC 800
Measurement range, max	400 mm	500 mm	600 mm	700 mm	800 mm
Measurement range, min	300 mm	400 mm	500 mm	600 mm	700 mm
Measurement units	Mm	Mm	Mm	Mm	Mm
Micrometer type	Frame micrometer	Frame micrometer	Frame micrometer	Frame micrometer	Frame micrometer
Resolution	0.01 mm	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS

### MICROMETER LIMIT MME 25 / 50

Outside micrometer with forged frame and matt chromium-plated scale with interchangeable measurement tips. Hardened spindle 6.5 mm with fine-polished tungsten carbide measuring faces. Friction sleeve and lock nut. Includes 6 pairs of measuring tips (see image and drawing). Manufactured according to DIN 863.

Article no.	272560103	272560202
Design	Analogue	Analogue
ETIM class code	EC003590	EC003590
Inaccuracy	0.004, mm	0.004 mm
Manufacturer's description	Limit MME 25	Limit MME 50
Measurement range, max	25 mm	50 mm
Measurement range, min	0 mm	25 mm
Measurement units	Mm	Mm
Micrometer type	Frame micrometer	-
Resolution	0.01 mm	0.01 mm
Number/pack.	1 SET	1 SET



272560103



272560202

## MICROMETERS

### MICROMETER LIMIT MME 25 / 50

Article no.	Accessories	decription_table	Number/pack.
272560202	60070208	MICROMETER HOLDER	1 PCS
272560202	102380102	MICROMETER STAND LIMIT	1 PCS
272560103	60070208	MICROMETER HOLDER	1 PCS
272560103	102380102	MICROMETER STAND LIMIT	1 PCS
272560103	132720202	V/KNIFE SHAPED ANVILS 60 DEG	1 SET
272560202	132720202	V/KNIFE SHAPED ANVILS 60 DEG	1 SET

### MICROMETER MEASURING PLATES LIMIT MCA 25 / 50

Outside micrometer with 60mm measuring plates. Forged frame and matt chromium-plated scale, hardened spindle 6.5 mm with fine-polished tungsten carbide measuring faces. Friction sleeve. Manufactured according to DIN 863.



272550104



272550203

Article no.	272550104	272550203
ETIM class code	EC003590	EC003590
Inaccuracy	0.004 mm	0.004 mm
Manufacturer's description	Limit MCA 25	Limit MCA 50
Measurement range, max	25 mm	50 mm
Measurement range, min	0 mm	25 mm
Measurement units	Mm	Mm
Micrometer type	Frame micrometer	Frame micrometer
Resolution	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS

### MICROMETER MTA 25 / 50 / 75 / 100



272480104



272480203



272480302



272480401

Outside micrometer with forged frame and matt chromium-plated scale. Hardened spindle with interchangeable measurement tips for different thread pitches (not included). Friction sleeve and lock nut. DIN 863.

Article no.	272480104	272480203	272480302	272480401
Design	Analogue	Analogue	Analogue	-
ETIM class code	EC003590	EC003590	EC003590	EC003590
Inaccuracy	0.004 mm	0.004, mm	0.004 mm	0.005 mm
Manufacturer's description	Limit MTA 25	Limit MTA 50	Limit MTA 75	Limit MTA 100
Measurement range, max	25 mm	50 mm	75 mm	100 mm
Measurement range, min	0 mm	25 mm	50 mm	75 mm
Measurement units	Mm	-	Mm	Mm
Micrometer type	Thread micrometer	Thread micrometer	Thread micrometer	Thread micrometer
Resolution	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## MICROMETERS

### MICROMETER MTA 25 / 50 / 75 / 100

Article no.	Accessories	decription_table	Number/pack.
272480104	60070208	MICROMETER HOLDER	1 PCS
272480104	102380102	MICROMETER STAND LIMIT	1 PCS
272480203	60070208	MICROMETER HOLDER	1 PCS
272480203	102380102	MICROMETER STAND LIMIT	1 PCS
272480302	60070208	MICROMETER HOLDER	1 PCS
272480302	102380102	MICROMETER STAND LIMIT	1 PCS
272480401	60070208	MICROMETER HOLDER	1 PCS
272480401	102380102	MICROMETER STAND LIMIT	1 PCS
272480104	132720202	V/KNIFE SHAPED ANVILS 60 DEG	1 SET
272480104	132720301	V/KNIFE SHAPED ANVILS 55 DEG	1 SET
272480203	132720202	V/KNIFE SHAPED ANVILS 60 DEG	1 SET
272480203	132720301	V/KNIFE SHAPED ANVILS 55 DEG	1 SET
272480302	132720202	V/KNIFE SHAPED ANVILS 60 DEG	1 SET
272480302	132720301	V/KNIFE SHAPED ANVILS 55 DEG	1 SET
272480401	132720202	V/KNIFE SHAPED ANVILS 60 DEG	1 SET
272480401	132720301	V/KNIFE SHAPED ANVILS 55 DEG	1 SET

### MICROMETER WITH INSERT RODS 0-150, 150-300 MM LIMIT

Enamelled steel frame and matt chromium-plated scale. With interchangeable insert rods. Hardened spindle and insert rods 8.0 mm with fine-polished measuring faces of hard metal. DIN 863.

Article no.	95440103	95440202
ETIM class code	EC003590	EC003590
Inaccuracy	±0.006 mm	±0.009 mm
Measurement range, max	150 mm	300 mm
Measurement range, min	0 mm	150 mm
Resolution	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
95440202	60070208	MICROMETER HOLDER	1 PCS
95440103	60070208	MICROMETER HOLDER	1 PCS



95440103



95440202

### MICROMETERS – ELECTRONIC, WITH INSERT RODS LIMIT

Forged frame. Hardened spindle and interchangeable insert rods 8 mm with fine-polished tungsten carbide measuring faces. Absolute/incremental measuring. Adjustable absolute value. Friction sleeve and lock nut. DIN 863. Battery type SR44, included.

Article no.	96760103
ETIM class code	EC003590
Inaccuracy	±0.006 mm
Measurement range, max	150 mm
Measurement range, min	0 mm
Resolution	0.001 mm
Number/pack.	1 PCS

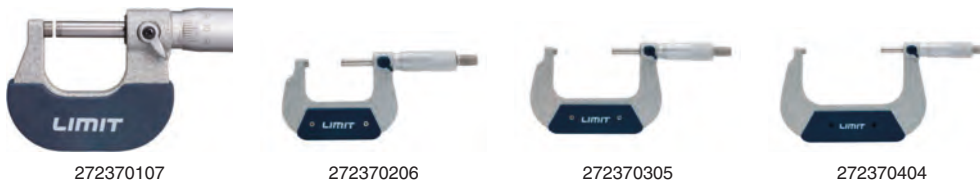
Article no.	Accessories	decription_table	Number/pack.
96760103	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS





## MICROMETERS

### OUTSIDE MICROMETER LIMIT MMA 25 / 75 / 100



Outside micrometer with forged frame and matte chrome-plated scale designed for measuring external. Hardened spindle 6.5 mm with fine-polished tungsten carbide measuring faces. Friction sleeve and lock nut. Manufactured according to DIN 863.

Article no.	272370107	272370206	272370305	272370404
Design	Analogue	Analogue	Analogue	Analogue
ETIM class code	EC003590	EC003590	EC003590	EC003590
Inaccuracy	0.004 mm	0.004 mm	0.005 mm	0.005 mm
Manufacturer's description	Limit MMA 25	Limit MMA 50	Limit MMA 75	Limit MMA 100
Measurement range, max	25 mm	50 mm	75 mm	100 mm
Measurement range, min	0 mm	25 mm	50 mm	75 mm
Measurement units	Mm	Mm	Mm	Mm
Micrometer type	Frame micrometer	Frame micrometer	Frame micrometer	Frame micrometer
Resolution	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
272370305	60070208	MICROMETER HOLDER	1 PCS
272370305	102380102	MICROMETER STAND LIMIT	1 PCS
272370404	60070208	MICROMETER HOLDER	1 PCS
272370404	102380102	MICROMETER STAND LIMIT	1 PCS
272370206	60070208	MICROMETER HOLDER	1 PCS
272370206	102380102	MICROMETER STAND LIMIT	1 PCS
272370107	60070208	MICROMETER HOLDER	1 PCS
272370107	102380102	MICROMETER STAND LIMIT	1 PCS

### OUTSIDE MICROMETER SET LIMIT MMA

Set of outside micrometers with forged frame and matte chrome-plated scale designed for external measuring. Hardened spindle 6.5 mm with fine-polished tungsten carbide measuring faces. Friction sleeve and lock nut. Manufactured according to DIN 863. Set contains 4 micrometers in dimensions 0-25mm, 25-50mm, 50-75mm & 75-100mm. Control dimensions in 25mm, 50mm & 75mm included.



Article no.	272370503
Design	Analogue
ETIM class code	EC003590
Inaccuracy	0.004-0.005 mm
Manufacturer's description	Limit MMA Sats
Measurement range, max	100 mm
Measurement range, min	0 mm
Measurement units	Mm
Micrometer type	Frame micrometer
Resolution	0.01 mm
Number/pack.	1 SET

Article no.	Accessories	decription_table	Number/pack.
272370503	60070208	MICROMETER HOLDER	1 PCS
272370503	102380102	MICROMETER STAND LIMIT	1 PCS

## MICROMETERS

### PIPE MICROMETER LIMIT MSA 25

Forged frame pipe micrometer with matt chromium-plated scale. Hardened spindle 6.5 mm with fine-polished tungsten carbide measuring face. Counterhold 4.8 mm. Friction sleeve and locking screw. Manufactured according to DIN 863.

<b>Article no.</b>	<b>272410101</b>
Design	Analogue
ETIM class code	EC003590
Inaccuracy	0.004 mm
Manufacturer's description	Limit MSA 25
Measurement range, max	25 mm
Measurement range, min	0 mm
Measurement units	Mm
Micrometer type	Frame micrometer
Resolution	0.01 mm
Number/pack.	1 PCS



### POINT MICROMETER LIMIT MMD 25

Micrometer with tapered measuring faces. Forged frame with matt scale. Hardened spindle 6.5 mm with hardened tungsten carbide measuring faces. Friction screw and lock handle. Manufactured according to DIN 863.

<b>Article no.</b>	<b>272420100</b>
Design	Analogue
ETIM class code	EC003590
Inaccuracy	0.004 mm
Manufacturer's description	Limit MMD 25
Measurement range, max	25 mm
Measurement range, min	0 mm
Measurement units	Mm
Micrometer type	Frame micrometer
Resolution	0.01 mm
Number/pack.	1 PCS



Article no.	Accessories	decription_table	Number/pack.
272420100	60070208	MICROMETER HOLDER	1 PCS
272420100	102380102	MICROMETER STAND LIMIT	1 PCS

## MICROMETER HOLDER

### MICROMETER HOLDER, DIAMETER 105 MM LIMIT

Swivel holder. Painted grey. Diameter 105 mm.

<b>Article no.</b>	<b>60070208</b>
ETIM class code	EC001195
Height	100 mm
Measurement range, max	14 mm
Measurement range, min	0 mm
Micrometer type	Tube micrometer
Number/pack.	1 PCS



## MICROMETER HOLDER

### MICROMETER HOLDER LIMIT

Rotating holder.



Article no.	102380102
ETIM class code	EC001195
Length	120 mm
Measurement range, max	16 mm
Measurement range, min	7 mm
Width	80 mm
Number/pack.	1 PCS

## MICROMETERS -ACCESSORIES

### CONTROL GAUGE LIMIT

Intended for controlling external micrometers. The measuring values correspond to the lower and upper limit for respective measuring range. Size 50 mm and larger are provided with insulation to counteract heat from hand.



Article no.	26243006	26243105	26243204	26243303
ETIM class code	EC001195	EC001195	EC001195	EC001195
Inaccuracy	±0.5 mm	±1.0 mm	±1.0 mm	±1.5 mm
Length	25 mm	50 mm	75 mm	100 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	26243402	26243501	26243600	26243709
ETIM class code	EC001195	EC001195	EC001195	EC001195
Inaccuracy	±1.5 mm	±2.0 mm	±2.0 mm	±2.5 mm
Length	125 mm	150 mm	175 mm	200 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## MICROMETERS – ACCESSORIES

### MEASURING TIP FOR THREAD MICROMETER LIMIT

Accessories for thread micrometer Limit.

Article no.	132720202	132720301
Contents	64-48, 44-28, 24-14, 13-9, 8-5, 4.5-3-5 pcs, Pitch of 0.4-0.5, 0.6-0.9, 1-1.75, 2-3, 3.5-5, 5.5-7 mm	64-48 48-40 40-32 32-24 24-18 18-14 14-10 10-7 7-4. 4.5-3.5
Description	Set of 6 pairs of measuring tips 60°	Set of 10 pairs of measuring tips 55°
Micrometer type	Thread micrometer	Thread micrometer
Number/pack.	1 SET	1 SET



132720202



132720301

## MICROMETERS

### THREE-POINT MICROMETER LIMIT MPA 16 / 20 / 25 / 30 / 40 / 50 / 63 / 75 / 88 / 100 / SETS



Three-point micrometer and kits designed for hole measurements. With a friction device that provides a constant measuring force and self-centres the device. Measuring surfaces made of tungsten carbide. The measurement tips reach down to 0.5 mm from the bottom of a blind hole. Setting ring included. One set includes 4 micrometers x 20-50 mm the other set 4 micrometers x 63-100 mm, plus 2 setting rings in each set. Supplied with an extension piece and setting ring. Manufactured according to DIN 863/4.

<b>Article no.</b>	<b>272460106</b>	<b>272460205</b>	<b>272460304</b>	<b>272460403</b>	<b>272460502</b>	<b>272460601</b>
ETIM class code	EC003590	EC003590	EC003590	EC003590	EC003590	EC003590
Extension bar	Yes	Yes	Yes	Yes	Yes	Yes
Inaccuracy	0.004 mm	0.004 mm	0.004 mm	0.004 mm	0.004 mm	0.005 mm
Manufacturer's description	Limit MPA 16	Limit MPA 20	Limit MPA 25	Limit MPA 30	LIMIT MPA 40	Limit MPA 50
Measurement depth without extension bar	80 mm	80 mm	90 mm	90 mm	97 mm	97 mm
Measurement range, max	16 mm	20 mm	25 mm	30 mm	40 mm	50 mm
Measurement range, min	12 mm	16 mm	20 mm	25 mm	30 mm	40 mm
Measurement units	Mm	Mm	Mm	Mm	Mm	Mm
Micrometer type	Three point micrometer	Three point micrometer	Three point micrometer	Three point micrometer	Three point micrometer	Three point micrometer
Resolution	0.005 mm	0.005 mm	0.005 mm	0.005 mm	0.005 mm	0.005 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS
<b>Article no.</b>	<b>272460700</b>	<b>272460809</b>	<b>272460908</b>	<b>272461005</b>	<b>272470105</b>	<b>272470204</b>
ETIM class code	EC003590	EC003590	EC003590	EC003590	EC003590	EC003590
Extension bar	Yes	Yes	Yes	Yes	-	-
Inaccuracy	0.005 mm	0.005 mm	0.005 mm	0.005 mm	0.004-0.005 mm	0.005 mm
Manufacturer's description	Limit MPA 63	Limit MPA 75	Limit MPA 88	Limit MPA 100	Limit MPAS 20-50	Limit MPAS 63-100
Measurement depth without extension bar	114 mm	114 mm	114 mm	114 mm	-	-
Measurement range, max	63 mm	75 mm	88 mm	100 mm	50 mm	100 mm
Measurement range, min	50 mm	62 mm	75 mm	87 mm	20 mm	50 mm
Measurement units	Mm	Mm	Mm	Mm	Mm	Mm
Micrometer type	Three point micrometer	Three point micrometer	Three point micrometer	Three point micrometer	Three point micrometer	Three point micrometer
Resolution	0.005 mm	0.005 mm	0.005 mm	0.005 mm	0.005 mm	0.005 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 SET	1 SET

## MICROMETERS

### THREE-POINT MICROMETER LIMIT MPA 16 / 20 / 25 / 30 / 40 / 50 / 63 / 75 / 88 / 100 / SETS

Article no.	Accessories	decription_table	Number/pack.
272470105	272460304	THREE POINT MICROMETER 20-25MM	1 PCS
272470105	272460601	THREE POINT MICROMETER 40-50MM	1 PCS
272470105	272460502	THREE POINT MICROMETER 30-40MM	1 PCS
272470105	272460403	THREE POINT MICROMETER 25-30MM	1 PCS

## SETTING RINGS

### SETTING RING LIMIT

Intended for inspection and setting of internal micrometers and hole indicators. Cylindricity: 1.0 µm.



Article no.	127830107	127830206	127830305	127830404
Diameter	10 mm	16 mm	25 mm	30 mm
ETIM class code	EC001195	EC001195	EC001195	EC001195
Tolerance	±1.5 mm	±1.5 mm	±1.5 mm	±1.5 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	127830503	127830602	127830701
Diameter	40 mm	62 mm	87 mm
ETIM class code	EC001195	EC001195	EC001195
Tolerance	±1.5 mm	±1.5 mm	±1.5 mm
Number/pack.	1 PCS	1 PCS	1 PCS

## PROFILE PATTERNS

### PROFILE PATTERNS LIMIT

For impression of required profile, where curved and irregular lines are to be formed. For carpet and floor laying, manufacturing of shelves and benches, and turning etc. Round gauges of stainless steel.



Article no.	97390108	97390207
Length	150 mm	300 mm
Profile depth, max	48 mm	105 mm
Number/pack.	1 PCS	1 PCS

## PROTRACTORS

### ALUMINIUM PROTRACTOR LIMIT PRD 80 120 150 200



277450102



277450201



277450300



277450409

Protractor in matt chrome plated aluminium. Protractor graduated 0-180°, locking screw to set at any angle.

Article no.	277450102	277450201	277450300	277450409
Disc diameter	80 mm	120 mm	150 mm	200 mm
ETIM class code	EC012158	EC012158	EC012158	EC012158
Graduation measurement	0-180 g	0-180 g	0-180 g	0-180 g
Leg length	120 mm	150 mm	200 mm	300 mm
Manufacturer's description	Limit PRD 80X120	LIMIT PRD 120X150	LIMIT PRD 150X270	LIMIT PRD 200X300
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

### PROTRACTOR 2548 LIMIT

Of steel. Disc graduated from 0-180°. Matt chromium-plated. With locking screw.

Article no.	25480104	25480203	25480302	25480401
Disc diameter	80 mm	120 mm	150 mm	200 mm
ETIM class code	EC012158	EC012158	EC012158	EC012158
Graduation measurement	0-180 g	0-180 g	0-180 g	0-180 g
Leg length	120 mm	150 mm	200 mm	300 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



### PROTRACTOR 2549 LIMIT

Of sheet metal. The disc is graduated from 0-180° in both directions. Supplied with circular or rectangular disc. With locking nut.

Article no.	25490103
Disc diameter	85 mm
ETIM class code	EC012158
Graduation measurement	0-180 g
Leg length	150 mm
Number/pack.	1 PCS



## PROTRACTORS

### PROTRACTOR 2550 LIMIT

Precision design. Of steel. Graduated from 10-170°. The leg slides and can be locked in the required position along the full blade.



Article no.	25500109	25500208	25500406
Disc diameter	150 mm	200 mm	300 mm
ETIM class code	EC012158	EC012158	EC012158
Graduation measurement	10-170 g	10-170 g	10-170 g
Leg length	300 mm	400 mm	600 mm
Number/pack.	1 PCS	1 PCS	1 PCS

### PROTRACTOR - PRECISION ANGLE LIMIT

Precision design. Dial with a rotating scale for approximate readings and a pointer for accurate readings gives simple and reliable results. Sliding rule and angle stop included. Can be used through 360 degrees.



Article no.	119190106
Angle stop length	65 mm
ETIM class code	EC004337
Graduation measurement	10-20-30-40-50 etc. mm
Inaccuracy	±1/12 %
Leg length	300 MM
One pointer turn =	10 °
Pitch	5 min
Number/pack.	1 PCS

### PROTRACTOR – PRECISION ANGLE LIMIT

Made of stainless steel. The entire circumference of the protractor is graduated 0-90° in both directions and can be adjusted at the desired angle to the stop. Fitted with a magnifying glass for easy reading. With Vernier for reading 1/12° = 5 minutes. The sliding blades can be locked with a lock nut. Supplied with two interchangeable blades. Blade length is 150 and 300 mm.



Article no.	122580103
ETIM class code	EC012158
Graduation measurement	0-90 mm
Inaccuracy	±1/12 %
Number/pack.	1 PCS

### ANGLE GAUGE DIGITAL LIMIT

Digital angle gauge. Made of stainless steel. Readout either 0–360°, 0–180° or 0–90°. Can be reset to 0 in all positions. 2 pcs rulers 150, 300 mm Adjustment angle 90°.



Article no.	151270105
ETIM class code	EC004337
Graduation measurement	0-360,0-180,0-90 mm
Inaccuracy	±0.2 %
Leg length	150,300 MM
Resolution	0.1 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
151270105	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

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## REFRACTOMETER

### REFRACTOMETER LIMIT 1800

Refractometer to quickly and accurately measure the concentration of an aqueous solution, cutting fluid and other industrial solutions. Helps machine operators to maintain the optimum balance between the water and coolant to minimise wear on tools and increase the feed and cutting speeds. Easy to focus and calibrate using a precision screwdriver, which is included. Sturdy, lightweight robust aluminium design ensures a long life

<b>Article no.</b>	<b>233830207</b>
Inaccuracy	±0.15 mm
Manufacturer's description	1800
Measurement range	0-18% mm
Measuring scale graduation	0.1 mm
Number/pack.	1 PCS



### REFRACTOMETER LIMIT 6400

Handheld refractometer to simply check the freezing point of radiator and washer fluids (-40 °C) as well as battery acid to determine the condition of the battery. Measures both ethylene (-50 °C) and propylene glycol (-50 °C). The refractometer is an optical instrument that measures the concentration of a liquid by means of its refractive index. Open the hatch and place 2-3 drops of liquid on the prism. Aim the front part of the refractometer towards a light source, and adjust the focus with the eyepiece and read the value. Easy to calibrate and adjust. The measuring range for battery acid is 1,100 (discharged)-1,400 (fully charged) kg/l.

<b>Article no.</b>	<b>233830108</b>
Dimensions	160x40 mm
Inaccuracy	±5 mm
Manufacturer's description	6400
Resolution	5 mm
Number/pack.	1 PCS



### REFRACTOMETER ADBLUE LIMIT 6500

Handheld refractometer used to easily check the urea concentration in AdBlue, measuring range 0-40%. Easy to read value, adjust and calibrate, made of lightweight aluminium.

<b>Article no.</b>	<b>233830306</b>
Dimensions	160x40x30 mm
Inaccuracy	±0.20, mm
Manufacturer's description	Limit 6500
Resolution	0.2 mm
Number/pack.	1 PCS





## SLIDING BEVELS

### SLIDING BEVEL LIMIT

Of steel. Ground and polished. The blade folds into the leg. With wing nut.



Article no.	25441007	25441106	25441205	25441304
ETIM class code	EC002145	EC002145	EC002145	EC002145
Long leg length	200 mm	300 mm	400 mm	500 mm
Short leg length	200 mm	300 mm	400 mm	500 mm
Thickness	5 mm	5 mm	5 mm	5 mm
Width	25 mm	25 mm	30 mm	30 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## SHARP-EDGED RULES

### SHARP-EDGED RULE LIMIT

Suitable for checking flatness. Tempered special steel. Smooth ground faces and polished edge. Insulation to counteract heat from hand. The measurement edge has a 30° angle and is black for better contrast. Tolerance according to DIN 874/00. Supplied in a wooden box.

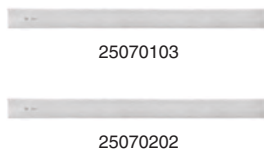


Article no.	52090107	52090206	52090305	52090404
ETIM class code	EC004336	EC004336	EC004336	EC004336
Length	75 mm	100 mm	200 mm	300 mm
Thickness	6 mm	6 mm	6 mm	7 mm
Tolerance class	00	00	00	00
Weight	40 kg	60 kg	120 kg	410 kg
Width	22 mm	22 mm	22 mm	30 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## STEEL STRAIGHT EDGES

### STEEL RULE WITHOUT GRADUATION LIMIT

All faces bright. Flat faces ground - edges precision gauged. Tolerance according to DIN 874. DIN 874/2. Rectangular section. DIN 874/1. 500-2000 mm with rectangular section. 2500-4000 mm with I-section and hand grips. Calibration certificate included.



Article no.	25070103	25070202	25070301	25070400
Calibrated	Yes	Yes	Yes	Yes
ETIM class code	EC002178	EC002178	EC002178	EC002178
Length	500 mm	1000 mm	1500 mm	2000 mm
Thickness	8 mm	8 mm	10 mm	12 mm
Tolerance as per	DIN 874/2	DIN 874/2	DIN 874/2	DIN 874/2
Weight	1.3 kg	2.5 kg	5.8 kg	11.4 kg
Width	40 mm	40 mm	50 mm	60 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	25070509	25070608	25070707	25071507
Calibrated	Yes	Yes	Yes	Yes
ETIM class code	EC002178	EC002178	EC002178	EC002178
Length	2500 mm	3000 mm	4000 mm	5000 mm
Thickness	15 mm	15 mm	16 mm	8 mm
Tolerance as per	DIN 874/2	DIN 874/2	DIN 874/2	DIN 874/1
Weight	14.3 kg	17.1 kg	22.8 kg	1.3 kg
Width	70 mm	80 mm	100 mm	40 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	25071606	25071705	25071804	25071903
Calibrated	Yes	Yes	Yes	Yes
ETIM class code	EC002178	EC002178	EC002178	EC002178
Length	1000 mm	1500 mm	2000 mm	2500 mm

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## STEEL STRAIGHT EDGES

### STEEL RULE WITHOUT GRADUATION LIMIT

Article no.	25071606	25071705	25071804	25071903
Thickness	10 mm	12 mm	15 mm	15 mm
Tolerance as per	DIN 874/1	DIN 874/1	DIN 874/1	DIN 874/1
Weight	4 kg	8.4 kg	12 kg	17 kg
Width	50 mm	60 mm	70 mm	80 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	25072000	25072109
Calibrated	Yes	Yes
ETIM class code	EC002178	EC002178
Length	3000 mm	4000 mm
Thickness	16 mm	16 mm
Tolerance as per	DIN 874/1	DIN 874/1
Weight	28 kg	35 kg
Width	100 mm	100 mm
Number/pack.	1 PCS	1 PCS

## ENGINEER'S RULES

### ENGINEER'S RULES LIMIT UPPER EDGE

Made of steel with ground surfaces. Tolerance according to DIN 866/B. Graduated in mm on upper edge.

Article no.	27700105	27700204	27700303	27700402
ETIM class code	EC002178	EC002178	EC002178	EC002178
Length	500 mm	1000 mm	1500 mm	2000 mm
Thickness	5 mm	6 mm	6 mm	8 mm
Width	25 mm	30 mm	30 mm	40 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

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Article no.	27700501
ETIM class code	EC002178
Length	3000 mm
Thickness	8 mm
Width	40 mm
Number/pack.	1 PCS

## STEEL RULES

### STEEL RULE 8427 LIMIT



Steel rule made of hardened stainless steel. Matt chromium-plated finish for glare-free reading. Lengths 150, 300 and 600 mm are graduated in millimetres on the top edge and half millimetres on the bottom. Lengths 1000, 2000 and 3000 mm are graduated in half millimetres on the top edge up to 100 mm and then in whole millimetres. The bottom edge is graduated in whole millimetres along the entire length. All rules have a blank back side.

Article no.	84270107	84270206	84270305	84270404	84270503
ETIM class code	EC002178	EC002178	EC002178	EC002178	EC002178
Length	150 mm	300 mm	600 mm	1000 mm	2000 mm
Precision	±0.12 mm	±0.13 mm	±0.16 mm	±0.20 mm	±0.30 mm
Thickness	0,5 mm	1 mm	1,2 mm	1,5 mm	2 mm
Width	15 mm	25 mm	30 mm	35 mm	40 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS

### STEEL RULE LIMIT

Of matt chromium-plated, stainless steel. Extra thin and bendable. Graduated in mm/mm on top and bottom edge.



Article no.	27020106	27020205	27020304	27020403
ETIM class code	EC002178	EC002178	EC002178	EC002178
Length	100 mm	150 mm	200 mm	300 mm
Measurement units	Mm	Mm	Mm	Mm
Thickness	0,5 mm	0,5 mm	0,5 mm	0,5 mm
Width	13 mm	13 mm	13 mm	13 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	27020502	27020601
ETIM class code	EC002178	EC002178
Length	500 mm	1000 mm
Measurement units	Mm	Mm
Thickness	0,5 mm	0,5 mm
Width	18 mm	18 mm
Number/pack.	1 PCS	1 PCS

## MEASURING TAPE

### DIAMETER MEASURING TAPES

For precision measuring of circumferences and diameters. Manufactured of stainless steel. The tape has double scales for simultaneous reading of circumference and diameter, plus vernier scale for 0.1 mm resolution.



Article no.	23710106	23710205	23710304	23710403
ETIM class code	EC002174	EC002174	EC002174	EC002174
Material Bits	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Measure circumference	60-950 mm	940-2200 mm	2190-3460 mm	3450-4720 mm
Measure diameter	20-300 mm	300-700 mm	700-1100 mm	1100-1500 mm
Measurement units	Mm	Mm	Mm	Mm
Width	19 mm	19 mm	19 mm	19 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## SURFACE ANALYSER

### SURFACE ANALYSER LIMIT 4700

Portable surface analyser for easy and flexible measurement of different surface parameters. Diamond tips with differential inductive sensor. Motorised arm movement with adjustable measurement lengths. Memory stores the last 7 measurements. Adjustable height support (0.23 mm) on the rear of the sensor. Switches off automatically after 5 minutes. Parameters: Ra-Rq-Rz-Rt. Cut lengths of 0.25 - 0.8 - 2.5 mm. Profile digital filter: Gaussian, RC, PC-RC. Gauge pressure 4 mN Supplied complete with surface gauge, 4x1.5 V AAA batteries and Swedish user guide. Extra accessory: Robust and stable stand. Surface analyser is mounted on the stand. Handle for easy and exact height adjustment. Max. height 200 mm. PC cable with software. RS 232 interface.



Article no.	167570159
ETIM class code	EC003595
Inaccuracy	±10 mm
Manufacturer's description	4700
Measurement range	Ra-Rq 0.005-16 / Rz-Rt 0.02-160 mm
Radius	5 mm
Number/pack.	1 PCS

## SURFACE LAYER GAUGE

### SURFACE LAYER GAUGE LIMIT 5100

Measures the layer thickness of varnishes, plastics, zinc, etc. on different metals. Capable of measuring both underlying magnetic metals and non-magnetic metals such as copper, aluminium, stainless steel, etc. Easy to calibrate with the attached control films. Swedish user guide. Switches off automatically after 2 minutes. Resolution 0-100 µm: 0.1 µm Resolution 100-1000 µm: 1 µm



Article no.	144830106
Battery type	Alkaline
Battery type IEC	LR03
Dimensions	161x69x32 mm
ETIM class code	EC003595
Inaccuracy	±2.5/1-3 mm
Manufacturer's description	5100
Measurement range	0-1000 mm
No. of batteries	4 qty
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
144830106	144830205	COATING CALIBRATION FOIL 5 PC	1 PCS

## SURFACE LAYER GAUGES – ACCESSORIES

### CONTROL FILMS FOR SURFACE LAYER GAUGE LIMIT

Accessories for surface layer gauge Limit

Article no.	144830205
ETIM class code	EC001195
Number/pack.	1 PCS



## SURFACE ROUGHNESS STANDARDS SET

### SURFACE GAUGE LIMIT

For comparative determination of surface smoothness or scraping with finger tip. For machine operators, inspectors and designers etc. 6 different methods and 6 Ra values each. Manufactured of stainless steel alloy. Scratch resistant.



<b>Article no.</b>	<b>53700100</b>
Contents	Lapping, reaming, surface grinding 1.6, 0.8, 0.4, 0.2, 0.1, 0.005 Ra, Horizontal milling, end surface milling, length turning 12.5, 6.3, 3.2, 1.6, 0.8, 0.4 Ra
ETIM class code	EC001195
Number/pack.	1 PCS

## TACHOMETERS

### SPEED METER LIMIT R2000

Speed meter with digital readout. Combined optical non-contact measurement (2.5-100,000 rpm) and mechanical sensing with measuring wheel (0.05-2000 m/min). Optical measuring: Point the light beam against a reflective tape or other contrasting part on the rotating object. Reading distance 50–150 mm. Mechanical sensing with measuring wheel: 30 mm diameter wheel: Measures rpm or speed. Gently press the measuring tip toward the centre of the rotating object to measure the rpm. Alternatively, press the measuring wheel toward the object to measure the speed. (e.g. conveyor belt, drive belt or bandsaw blade.) The memory saves the last measurement as well as the max. and min. values. Requires 4 x 1.5 V LR06 batteries, not included.



<b>Article no.</b>	<b>132370107</b>
Battery type	Alkaline
Battery type IEC	LR06
Manufacturer's description	R 2000
No. of batteries	4 qty
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
132370107	132370305	MEASURING POINTS 3 PCS	1 PCS

### MULTIFUNCTION SPEED METER 2400 LIMIT

Speed meter with digital display. Combined optical non-contact measuring and mechanical sensing with measuring wheel. Speed meter: 0.1 (2.5–999.9), 1 (above 1,000) rpm Surface speed: +/- (0.01 % of measured value + 0.03) m/min Measurement range: Optical speed measurement: 2.5–99,999 rpm. Contact measurement of speed: 2.5–19,999 rpm. Surface speed: 0.05–1,999.9 m/min, Frequency: 0.04–1,666.65 Hz



<b>Article no.</b>	<b>292750106</b>
Battery type	Alkaline
Battery type IEC	LR03
Digit height	12 mm
Dimensions	140x72x34 mm
ETIM class code	EC001191
Inaccuracy	Tach.: $\pm(0.01\%n+1)$ r/min, Surface speed: $\pm(0.01\%n+0.03)$ m/min mm
Manufacturer's description	Limit 2400
No. of batteries	4 qty
Weight	245 kg
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
292750106	132370404	REFLECTING TAPE LIMIT 30M	30 M
292750106	132370305	MEASURING POINTS 3 PCS	1 PCS

## TELESCOPIC GAUGES

### TELESCOPIC GAUGES 5291 LIMIT

Spare gauges of set 5291.

Article no.	52910205	52910304	52910403	52910502
ETIM class code	EC003425	EC003425	EC003425	EC003425
Measurement range	8-12.7 mm	12.7-19 mm	19-32 mm	32-54 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS
Article no.	52910601	52910700		
ETIM class code	EC003425	EC003425		
Measurement range	54-90 mm	90-150 mm		
Number/pack.	1 PCS	1 PCS		



### TELESCOPIC GAUGES LIMIT

Adjustable gauge. Set of 6. Consists of two spring-loaded measuring cylinders. Of hardened steel. Locking with screw in top part of the handle. Can be read with a micrometer.

Article no.	52910106
ETIM class code	EC003425
Measurement range	8-150 mm
Number/pack.	1 PCS



## THICKNESS GAUGE

### DIGITAL THICKNESS GAUGE LIMIT

Digital readout. Switch between metric and imperial. Automatic shut-off. Zeroing button. Battery type SR44, included.

Article no.	22940100
Design	Digital
ETIM class code	EC003596
Inaccuracy	0.02±0.02 mm
Measurement range	15 mm
Measurement units	Inch,mm
Measuring surface diameter	8.9 mm
Resolution	0.01 mm
Yoke depth	13 mm
Number/pack.	1 PCS



Article no.	Accessories	decription_table	Number/pack.
22940100	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS

## THICKNESS GAUGE

### THICKNESS GAUGE 10/12 MM LIMIT

Suitable for both soft and hard materials.



<b>Article no.</b>	<b>119150100</b>
Design	Analogue
ETIM class code	EC003596
Measurement range	10 mm
Measurement units	Mm
Measuring surface diameter	8 mm
Resolution	0.01 mm
Yoke depth	12 mm
Number/pack.	1 PCS

### THICKNESS GAUGE 10/30 MM LIMIT

Suitable for both soft and hard materials.



<b>Article no.</b>	<b>119160109</b>
Design	Analogue
ETIM class code	EC003596
Measurement range	10 mm
Measurement units	Mm
Measuring surface diameter	10 mm
Resolution	0.01 mm
Yoke depth	30 mm
Number/pack.	1 PCS

### THICKNESS GAUGE LIMIT

Suitable for both soft and hard materials.



<b>Article no.</b>	<b>119170108</b>
Design	Analogue
ETIM class code	EC003596
Measurement range	10 mm
Measurement units	Mm
Measuring surface diameter	10 mm
Resolution	0.01 mm
Yoke depth	120 mm
Number/pack.	1 PCS

## THICKNESS OF MATERIAL TESTER

### THICKNESS GAUGES LIMIT 5600

Digital instrument which measures the thickness of most homogeneous materials using ultrasound technology. Measuring material thickness using ultrasound technology is particularly useful when access is only available from one side. For example pipes, tanks, cisterns, glass constructions etc. Ultrasound technology is suitable for measuring the thickness of metals, glass and plastics. The only conditions are that the material is homogeneous, both sides are parallel and the surfaces are not too uneven. Switches off automatically after 2 minutes. Measurement probe diameter 8 mm. Resolution: 10 mm = 0.01 mm AA batteries not included.

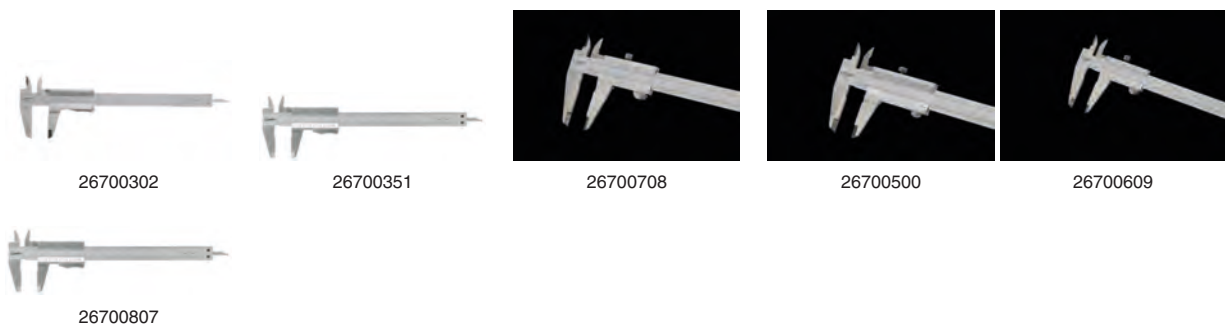


<b>Article no.</b>	<b>144840303</b>
Battery type	Alkaline
Battery type ANSI	AA
ETIM class code	EC003596
Humidity, max	80 %
Humidity, min	0 % RH
Inaccuracy	± 0.5% +0.05 mm
Manufacturer's description	5600
Max. working temperature	40 °C
Measurement range, max	400 mm
Measurement range, min	0.75 mm
No. of batteries	2 qty
Weight	340 kg
Work temperature, min	0 °C
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
144840303	155300106	AIR TOOL OIL 15 1L	
144840303	144840204	PROBE 8 MM	1 PCS

## VERNIER CALIPERS

### POCKET VERNIER CALIPERS LIMIT



4-function. Stainless steel. Fully hardened. Matt chromium-plated scale. Graduated in mm and inches, and with Nonie scale for 1/128" and 1/20 mm of 39 mm length. Provided with depth gauge and points for internal measuring. DIN 862.

Article no.	26700302	26700351	26700708	26700500	26700609	26700807
Calibrated	-	-	-	-	-	Yes
Design	Analogue	Analogue	Analogue	Analogue	Analogue	Analogue
ETIM class code	EC000157	EC000157	EC000157	EC000157	EC000157	EC000157
Length of legs, external	38 mm	38 mm	60 mm	38 mm	38 mm	38 mm



## VERNIER CALIPERS

### POCKET VERNIER CALIPERS LIMIT

Article no.	26700302	26700351	26700708	26700500	26700609	26700807
Lock type	Key lock	Key lock	Locking screw	Locking screw	Locking screw	Key lock
Measurement length	150 mm	200 mm	300 mm	150 mm	200 mm	150 mm
Measurement units	Mm,inch	Inch,mm	Inch,mm	Inch,mm	Inch,mm	Inch,mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS

### ANALOGUE VERNIER CALIPERS CVU 150 / 200 / 300 MM LIMIT



264010208



264010109



264010307

Premium quality mechanical Vernier calipers where great care has been taken with detail and finish. Very soft and smooth jaw movements as the component parts have been ground in several stages. Stainless steel, hardened and precision ground measurement jaws with a matt chromium-plated scale. Jaw thickness 3.5 to 4 mm provides great stability. Metric and imperial graduations. Vernier scale 1/50 mm (0.02 mm) 1/128 inch (0.0078") with 48 mm scale length. 4-function. Equipped with rectangular depth measurement gauge and tips for internal measurements. Manufactured according to DIN 862. Supplied in a case with inspection certificate.

Article no.	264010208	264010109	264010307
Depth measurement gauge	Rectangular	Rectangular	Rectangular
Design	Analogue	Analogue	Analogue
ETIM class code	EC000157	EC000157	EC000157
Graduation measurement	0.02 mm	0.02 mm	0.02 mm
Inaccuracy	±0.03 %	±0.02 %	±0.04 %
Leg thickness	3.5 mm	3.5 mm	4 mm
Length of legs, external	50 mm	40 mm	60 mm
Length of legs, internal	24 mm	21 mm	28 mm
Lock type	Locking screw	Locking screw	Locking screw
Measurement length	200 mm	150 mm	300 mm
Measurement units	Mm,inch	Mm,inch	Mm,inch
Number/pack.	1 PCS	1 PCS	1 PCS

### CALIPER CVI-BD 150 MM LIMIT

Limit Analog Caliper with big digits that are easy to read. 4-function. Stainless steel. Fully hardened. Matt chromium-plated scale. Graduated in mm, and with Nonie scale for 1/20 mm of 39 mm length. Provided with depth gauge and points for internal measuring. DIN 862.



Article no.	26801100
Design	Analogue
Digit height	3 mm
ETIM class code	EC000157

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## VERNIER CALIPERS

### CALIPER CVI-BD 150 MM LIMIT

<b>Article no.</b>	<b>26801100</b>
Length of legs, external	38 mm
Lock type	Key lock
Measurement length	150 mm
Measurement units	Inch,mm
Number/pack.	1 PCS

### POCKET VERNIER CALIPERS LIMIT

Miniature vernier calipers. Of steel. Matt chromium-plated scale. Graduated in millimetre and with vernier for 1/20 mm. With depth gauge and points for internal measuring. DIN 862.

<b>Article no.</b>	<b>60060100</b>
Design	Analogue
ETIM class code	EC000157
Length of legs, external	27 mm
Measurement length	100 mm
Measurement units	Mm
Number/pack.	1 PCS



### POCKET VERNIER CALIPERS LIMIT

Made of hardened tool steel. Graduated in millimetres and imperial measures. Vernier scale for 1/128" and 1/20 mm. Equipped with depth gauge and needle points for inside measurements. Quick locking. DIN 862.

<b>Article no.</b>	<b>119090108</b>
Design	Analogue
ETIM class code	EC000157
Length of legs, external	40 mm
Measurement length	150 mm
Measurement units	Mm,inch
Number/pack.	1 PCS



### VERNIER CALIPERS FOR LEFT-HANDED PERSONS LIMIT

4 functions. Stainless steel. Matt chromium-plated scale. Graduated in mm and inches. With depth gauge and points for internal measuring. DIN 862. Supplied in case.

<b>Article no.</b>	<b>102360104</b>
Design	Analogue
ETIM class code	EC000157
Length of legs, external	40 mm
Measurement length	150 mm
Measurement units	Inch,mm
Number/pack.	1 PCS



## VERNIER CALIPERS

### BRASS POCKET VERNIER CALIPERS LIMIT

Miniature vernier calipers. Made of brass. Graduated in mm and inches.



<b>Article no.</b>	<b>26540203</b>
Design	Analogue
ETIM class code	EC000157
Length of legs, external	19 mm
Measurement length	100 mm
Measurement units	Inch,mm
Number/pack.	1 PCS

### WORKSHOP VERNIER CALIPERS STAINLESS WITH FINE ADJUSTMENT LIMIT

Made of stainless steel. Hardened. Matt chromium-plated scale. Steps on jaws for internal measuring. With fine adjustment. Tolerance according to DIN 862.PARA Vernier scale 0.05 mm.



23040108

Article no.	23040108	23040207	23040306	23040405
Design	Analogue	Analogue	Analogue	Analogue
ETIM class code	EC000157	EC000157	EC000157	EC000157
Leg length	-	-	-	-
Length of legs, external	100 mm	125 mm	125 mm	150 mm
Measurement length	500 mm	800 mm	1000 mm	1500 mm
Measurement units	Mm	Mm	Mm	Mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



23040207

<b>Article no.</b>	<b>23040504</b>
Design	Analogue
ETIM class code	EC000157
Leg length	200 mm
Length of legs, external	200 mm
Measurement length	2000 mm
Measurement units	Mm
Number/pack.	1 PCS

### WORKSHOP VERNIER CALIPERS WITH FINE ADJUSTMENT, STAINLESS STEEL LIMIT

Made of stainless steel. Hardened. Matt chromium-plated scale. Steps on jaws for internal measuring. Tolerance according to DIN 862. Vernier scale 0.05 mm.



23050057

Article no.	23050057	23050107	23050206	23050404
Design	Analogue	Analogue	Analogue	Analogue
ETIM class code	EC000157	EC000157	EC000157	EC000157
Length of legs, external	90 mm	200 mm	150 mm	150 mm
Measurement length	300 mm	400 mm	500 mm	800 mm
Measurement units	Mm	Mm	Mm	Mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



23050107

<b>Article no.</b>	<b>23050503</b>
Design	Analogue
ETIM class code	EC000157
Length of legs, external	150 mm
Measurement length	1000 mm
Measurement units	Mm
Number/pack.	1 PCS

## VERNIER CALIPERS

### WORKSHOP VERNIER CALIPERS WITH FINE ADJUSTMENT LIMIT

Made of structural aluminium. The jaws are made of hardened stainless steel. Easy to use because of their low weight. Non-glare scale. Graduated in mm. Vernier for 1/20 mm. Tolerance according to DIN 862. Supplied without storage case.



Article no.	05750401	05750104	05750203	05750500
Design	Analogue	Analogue	Analogue	Analogue
ETIM class code	EC000157	EC000157	EC000157	EC000157
Length of legs, external	400 mm	150 mm	250 mm	150 mm
Measurement length	800 mm	500 mm	500 mm	1000 mm
Measurement units	Mm	Mm	Mm	Mm
Weight	1.6 kg	1.1 kg	1.1 kg	1.8 kg
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	05750559	05750609	05750708	05750807
Design	Analogue	Analogue	Analogue	Analogue
ETIM class code	EC000157	EC000157	EC000157	EC000157
Length of legs, external	500 mm	150 mm	150 mm	150 mm
Measurement length	1000 mm	1500 mm	2000 mm	3000 mm
Measurement units	Mm	Mm	Mm	Mm
Weight	1.9 kg	2.1 kg	2.6 kg	3.4 kg
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

### DIGITAL VERNIER CALIPERS LIMIT CDH150 200 300



190140400

190140509

190140608

190141101

Digital Vernier calipers made of hardened stainless steel according to DIN 862. The calipers measure inner diameter, outer diameter, height and depth and have a scribing function. Easy to read Vernier calipers in both mm and inches. Relative measurement, automatic start-up and switch-off. Battery type CR2032 included.

Article no.	190140400	190140509	190140608	190141101
ABS function	No	-	-	No
Calibrated	-	-	-	Yes
Design	Digital	Digital	Digital	Digital
Digit height	8 mm	8 mm	8 mm	8 mm
ETIM class code	EC000157	EC000157	EC000157	EC000157
Inaccuracy	0.03 mm	0.03 mm	0.04 mm mm	0.03 mm
Length of legs, external	40 mm	50 mm	60 mm	40 mm
Lock type	Locking screw	Locking screw	Locking screw	Locking screw
Manufacturer's description	LIMIT CDH 150	LIMIT CDH 200	LIMIT CDH 300	-
Measurement length	150 mm	200 mm	300 mm	150 mm
Measurement units	Mm,inch	Mm,inch	Mm,inch	Inch,mm
Resolution	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Scriber tip	Yes	Yes	Yes	Yes
Updating rate	3 m/s	3 m/s	3 m/s	3 m/s
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## VERNIER CALIPERS

### DIGITAL SLIDING CALIPERS LIMIT

Digital sliding calipers Absolute function, which means that the value can shift between the absolute value and a second 0-value. Memory for the original 0-value even after shutdown. Manufactured of stainless steel. Automatic switching off. 4-function. DIN 862. Battery 3 V, type CR1632.



<b>Article no.</b>	<b>174230102</b>
Design	Digital
Digit height	8 mm
ETIM class code	EC000157
Length of legs, external	40 mm
Measurement length	150 mm
Measurement units	Mm
Resolution	0.01 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
174230102	644705626	BATTERY BUTTON CELL LIT CR2012	1 PCS

### DIGITAL VERNIER CALIPERS CDJ 150 / 200 / 300 MM LIMIT



234740101



234740200



234740309

Digital Vernier calipers with metal electronic unit. Premium quality where great care has been taken with detail and finish. Very soft and smooth jaw movements as the component parts have been ground in several stages. Stainless steel, hardened and precision ground measurement jaws. Jaw thickness 3.5 to 4 mm provides great stability. LCD display with clear 9 mm high digits. 4-function. Automatic shut-off. Processor with fast update speed (3 m/sec). Switch between metric and imperial. Equipped with rectangular depth measurement gauge and tips for internal measurements. Manufactured according to DIN 862. Supplied in a case with inspection certificate. Battery type CR2032, included.

Article no.	234740101	234740200	234740309
Depth measurement gauge	Rectangular	Rectangular	Rectangular
Design	Digital	Digital	Digital
Digit height	9 mm	9 mm	9 mm
ETIM class code	EC000157	EC000157	EC000157
Inaccuracy	±0.02 %	±0.03 %	±0.04 %
Leg thickness	3.5 mm	3.5 mm	4 mm
Length of legs, external	40 mm	50 mm	60 mm
Length of legs, internal	21 mm	24 mm	28 mm
Lock type	Locking screw	Locking screw	Locking screw
Measurement length	150 mm	200 mm	300 mm
Measurement units	Mm,inch	Mm,inch	Mm,inch
Repeatability	± 0.01 mm	± 0.01 mm	± 0.01 mm
Resolution	0.01 mm	0.01 mm	0.01 mm
Updating rate	3 m/s	3 m/s	3 m/s
Number/pack.	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
234740101	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
234740309	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
234740200	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

## VERNIER CALIPERS

### DIGITAL VERNIER CALIPERS CDK 150 / 200 / 300 MM LIMIT



Digital Vernier calipers where great care has been taken with detail and finish. Very soft and smooth jaw movements as the component parts have been ground in several stages. Stainless steel, hardened and precision ground measurement jaws. Jaw thickness 3.5 to 4 mm provides great stability. LCD display with clear 11 mm high digits. 4-function. Automatic shut-off. Processor with fast update speed (3 m/sec). Switch between metric and imperial. Equipped with rectangular depth measurement gauge and tips for internal measurements. Manufactured according to DIN 862. Supplied in a case with inspection certificate. Battery type SR44, included.

Article no.	263960106	263960205	263960304
Depth measurement gauge	Rectangular	Rectangular	Rectangular
Design	Digital	Digital	Digital
Digit height	11 mm	11 mm	11 mm
ETIM class code	EC000157	EC000157	EC000157
Inaccuracy	±0.02 %	±0.03 %	±0.04 %
Leg thickness	3.5 mm	3.5 mm	4 mm
Length of legs, external	40 mm	50 mm	62 mm
Length of legs, internal	21 mm	24 mm	28 mm
Lock type	Locking screw	Locking screw	Locking screw
Measurement length	150 mm	200 mm	300 mm
Measurement units	Inch,mm	Mm,inch	Mm,inch
Repeatability	± 0.01 mm	± 0.01 mm	± 0.01 mm
Resolution	0.01 mm	0.01 mm	0.01 mm
Updating rate	3 m/s	3 m/s	3 m/s
Number/pack.	1 PCS	1 PCS	1 PCS

### DIGITAL VERNIER CALIPERS CDL-IP67 150 / 200 / 300 MM LIMIT



Digital Vernier calipers IP67 with metal electronic unit. IP67 rating which means it is dustproof and waterproof for maximum resistance to water, oils and cutting fluids. With Absolut system and temporary zero point adjustment. Premium quality where great care has been taken with detail and finish. Very soft and smooth jaw movements as the component parts have been ground in several stages. Stainless steel, hardened and precision ground measurement jaws. Jaw thickness 3.5 to 4 mm provides great stability. LCD display with clear 9 mm high digits. 4-function. Processor with fast update speed (3 m/sec). Switch between metric and imperial. Equipped with rectangular depth measurement gauge and tips for internal measurements. Manufactured according to DIN 862. Supplied in a case with inspection certificate. Battery type CR2016, included.

Article no.	263970105	263970204	263970303
ABS function	Yes	Yes	Yes
Depth measurement gauge	Rectangular	Rectangular	Rectangular
Design	Digital	Digital	Digital
Digit height	9 mm	9 mm	9 mm
Enclosure class IP	IP67	IP67	IP67

## VERNIER CALIPERS

### DIGITAL VERNIER CALIPERS CDL-IP67 150 / 200 / 300 MM LIMIT

Article no.	263970105	263970204	263970303
ETIM class code	EC000157	EC000157	EC000157
Inaccuracy	±0.02 %	±0.03 %	±0.04 %
Leg thickness	3.5 mm	3.5 mm	4 mm
Length of legs, external	40 mm	50 mm	62 mm
Length of legs, internal	21 mm	24 mm	28 mm
Lock type	Locking screw	Locking screw	Locking screw
Measurement length	150 mm	200 mm	300 mm
Measurement units	Inch,mm	Mm,inch	Mm,inch
Repeatability	± 0.01 mm	± 0.01 mm	± 0.01 mm
Resolution	0.01 mm	0.01 mm	0.01 mm
Updating rate	3 m/s	3 m/s	3 m/s
Number/pack.	1 PCS	1 PCS	1 PCS

### DIGITAL VERNIER CALIPERS CDM-FLEX LCD 150 / 200 / 300 MM LIMIT



263990103



263990202



263990301

Digital Vernier calipers with unique flexible display. Digital Vernier calipers with unique, patented flexible display solution. Thanks to the foldable rotating display, it can be used either right or left-handed, and for measurements from above and below. This means that you can read off the measurement on the display even in the tightest spaces, such as the inside of a machining centre or CNC lathe. With Absolut system and temporary zero point adjustment. Stainless steel, hardened and precision ground measurement jaws. Jaw thickness 3.5 to 4 mm provides great stability. LCD display with clear 7.5 mm high digits. 4-function. Processor with update speed (1.5 m/sec). Switch between metric and imperial. Equipped with rectangular depth measurement gauge and tips for internal measurements. Manufactured according to DIN 862. Supplied in a case with inspection certificate. Battery type CR2032, included.

Article no.	263990103	263990202	263990301
ABS function	Yes	Yes	Yes
Depth measurement gauge	Rectangular	Rectangular	Rectangular
Design	Digital	Digital	Digital
Digit height	7.5 mm	7.5 mm	7.5 mm
ETIM class code	EC000157	EC000157	EC000157
Inaccuracy	±0.02 mm	±0.03 mm	±0.04 mm
Leg thickness	3.6 mm	3.6 mm	3.8 mm
Length of legs, external	40 mm	50 mm	60 mm
Length of legs, internal	21 mm	24 mm	26 mm
Lock type	Locking screw	Locking screw	Locking screw
Measurement length	150 mm	200 mm	300 mm
Measurement units	Inch,mm	Mm,inch	Mm,inch

## VERNIER CALIPERS

### DIGITAL VERNIER CALIPERS CDM-FLEX LCD 150 / 200 / 300 MM LIMIT

Article no.	263990103	263990202	263990301
Repeatability	± 0.01 mm	± 0.01 mm	± 0.01 mm
Resolution	0.01 mm	0.01 mm	0.01 mm
Updating rate	1.5 m/s	1.5 m/s	1.5 m/s
Number/pack.	1 PCS	1 PCS	1 PCS

### DIGITAL VERNIER CALIPERS CDN-BT LIMIT



Digital Vernier calipers with Bluetooth connection that allows connection with computer, iPad or smartphone for data transfer. Large LCD screen with 13 mm large digits for quick reading of measurement results. Can measure inner diameter, outer diameter, depth, height and scribing function. Stainless steel scale. Reading in mm or inches, response time 3.0 m/second, automatic shut-off. Absolute measurement and zero setting in all positions. Manufactured according to DIN 862. Battery type CR2032 included.

Article no.	292730108	292730207	292730306
Battery	3V CR2032	3V CR2032	3V CR2032
Data transfer	Bluetooth	Bluetooth	Bluetooth
Design	Digital	Digital	Digital
Digit height	13 mm	13 mm	13 mm
Enclosure class IP	IP67	IP67	IP67
ETIM class code	EC000157	EC000157	EC000157
Inaccuracy	0.02 mm	0.03 mm	0.04 mm
Length of legs, external	40 mm	40 mm	40 mm
Lock type	Locking screw	Locking screw	Locking screw
Manufacturer's description	Limit CDN 150	Limit CDN 200	Limit CDN 300
Measurement distance	0-150 mm	0-200 mm	0-300 mm
Measurement length	150 mm	200 mm	300 mm
Measurement range, min	0 mm	0 mm	0 mm
Measurement range, total	200 mm	200 mm	300 mm
Measurement units	Inch,mm	Inch,mm	Inch,mm
No. of batteries	2 qty	2 qty	2 qty
Resolution	0.01 mm	0.01 mm	0.01 mm
Weight	290 kg	290 kg	290 kg
Number/pack.	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
292730306	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
292730207	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
292730108	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS



## VERNIER CALIPERS

### DIGITAL VERNIER CALIPERS LARGE SCREEN CDN 150 / 200 / 300



280470105



280470303



280470204

Digital Vernier calipers with large LCD screen with 13 mm large digits for quick reading of measurement results. Can measure inner diameter, outer diameter, depth, height and scribing function. Stainless steel scale. Reading in mm or inches, response time 3.0 m/second, automatic shut-off. Absolute measurement and zero setting in all positions. Manufactured according to DIN 862. Battery type CR2032 included.

Article no.	280470105	280470303	280470204
Design	Digital	Digital	Digital
Digit height	13 mm	13 mm	13 mm
ETIM class code	EC000157	EC000157	EC000157
Inaccuracy	0.02 mm	0.04 mm	0.03 mm
Length of legs, external	40 mm	60 mm	50 mm
Lock type	Locking screw	Locking screw	Locking screw
Manufacturer's description	Limit CDN 150	Limit CDN 300	Limit CDN 200
Measurement length	150 mm	300 mm	200 mm
Measurement units	Mm,inch	Mm,inch	Mm,inch
Resolution	0.01 mm	0.01 mm	0.01 mm
Weight	290 kg	400 kg	380 kg
Number/pack.	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
280470204	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
280470303	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
280470105	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

### DIGITAL INSIDE CALIPER CDO LIMIT

Digital Vernier caliper for inside measurement. With large LCD screen with 13 mm large digits for quick reading of measurement results. Stainless steel scale. Reading in mm or inches, response time 3.0 m/second, automatic shut-off. Absolute measurement and zero setting in all positions. Manufactured according to DIN 862. Battery type CR2032 included.



Article no.	292740107
Battery	3V CR2032
Design	Digital
Digit height	13 mm
Dimension A	46 mm
Dimension B	10 mm
ETIM class code	EC000157
Inaccuracy	0.03 mm
Length of legs, external	46 mm
Lock type	Locking screw
Manufacturer's description	Limit CDO
Measurement distance	10-150 mm
Measurement length	10-150 mm
Measurement range, min	10 mm
Measurement range, total	150 mm
Measurement units	Inch,mm
No. of batteries	2 qty
Resolution	0.01 mm
Number/pack.	1 PCS

## VERNIER CALIPERS

### DIGITAL INSIDE CALIPER CDO LIMIT

Article no.	Accessories	decription_table	Number/pack.
292740107	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

### ELECTRONIC VERNIER CALIPERS LIMIT

Digital Vernier calipers. Triple reading: in mm / inch in decimals / inch in fractions. Made of stainless steel. Automatic shut-off. 4-function. DIN 862. Battery type SR44, included.

Article no.	144550209	144550100
Design	Digital	Digital
Digit height	11 mm	11 mm
ETIM class code	EC000157	EC000157
Length of legs, external	48 mm	40 mm
Measurement length	200 mm	150 mm
Measurement units	Mm,inch,inch/fraction	Mm,inch,inch/fraction
Resolution	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
144550209	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS
144550100	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS

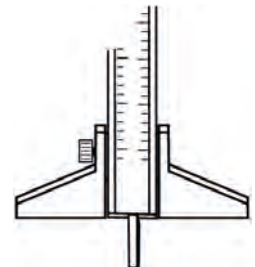


## VERNIER CALIPER - ACCESSORIES

### DEPTH GAUGE STOP LIMIT

Suitable for most vernier calipers.

Article no.	73120107
ETIM class code	EC000157
Height	30 mm
Stock length	80 mm
Track width	17 mm
Number/pack.	1 PCS



## VERNIER CALIPERS

### VERNIER CALIPERS ELECTRONIC LIMIT

Digital Vernier calipers. Made of stainless steel. Max./min. value function. Hold function. Switch between metric and imperial. Adjustable absolute value. Fine adjustment screw. DIN 862. Battery type CR2032, included.



22890107



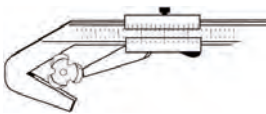
22890156

Article no.	22890107	22890156	22890172	22890206
Design	Digital	Digital	Digital	Digital
Digit height	8 mm	8 mm	8 mm	8 mm
ETIM class code	EC000157	EC000157	EC000157	EC000157
Length of legs, external	100 mm	300 mm	200 mm	150 mm
Measurement length	500 mm	600 mm	800 mm	1000 mm
Measurement units	Inch,mm	Inch,mm	Inch,mm	Inch,mm
Resolution	0.01 mm	0.01 mm	0.01 mm	0.01 mm
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
22890206	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
22890156	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
22890107	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS
22890172	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

### THREE-POINT VERNIER CALIPERS LIMIT

For measuring external diameter of 3, 6 and 12 bladed tools. Cylindrical objects can also be measured. Of stainless steel. Matt chromium-plated scale. Graduation: mm and inches.



Article no.	23940109
Design	Analogue
ETIM class code	EC000157
Inaccuracy	0.02 mm
Measurement length	4-45 mm
Measurement units	Inch,mm
Number/pack.	1 PCS

### VERNIER CALIPERS FOR BRAKE DISCS, DIGITAL LIMIT

Digital Vernier calipers for measuring brake discs. Made of stainless steel. Hold function so the measurement value can be frozen if the Vernier calipers are opened after measuring. Zeroing button. Switch between metric and imperial. Battery type SR44, included.



Article no.	139490106
Digit height	11 mm
ETIM class code	EC000157
Length of legs, external	92 mm
Measurement length	75 mm
Measurement units	Inch,mm
Resolution	0.01 mm
Number/pack.	1 PCS

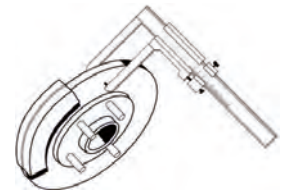
Article no.	Accessories	decription_table	Number/pack.
139490106	644705055	BATTERY BUTTON CELL V13GS SR44	1 PCS

## VERNIER CALIPERS

### VERNIER CALIPERS FOR BRAKE DISCS LIMIT

Made of stainless hardened steel. Matt chromium-plated scale and vernier. Measurement value can be locked when the legs are open.

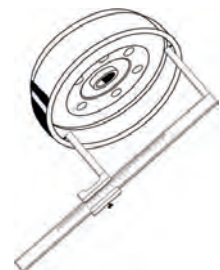
Article no.	109100107
Design	Analogue
ETIM class code	EC000157
Length of legs, external	85 mm
Measurement length	0-60 mm
Number/pack.	1 PCS



### VERNIER CALIPERS FOR BRAKE DRUMS LIMIT

Made of stainless steel. Matt chromium-plated scale and vernier. With fine adjustment.

Article no.	109090050	109090100	109090209
Design	Analogue	Analogue	Analogue
ETIM class code	EC000157	EC000157	EC000157
Length of legs, external	105 mm	150 mm	200 mm
Measurement length	40-340 mm	50-500 mm	50-600 mm
Number/pack.	1 PCS	1 PCS	1 PCS



## VERNIER CALIPERS

### VERNIER CALIPERS FOR INSIDE MEASUREMENT LIMIT

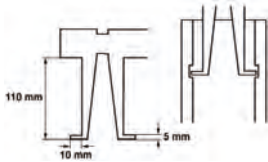
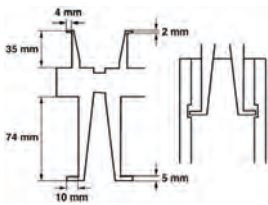
Made of hardened tool steel and with fine adjustment. For inside measurement of inner slot diameter. 128170107 has double measurement jaws.



128170107



128170206



Article no.	128170107	128170206
Design	Analogue	Analogue
Dimension A	74 mm	110 mm
Dimension B	10 mm	10 mm
Dimension D	35 mm	-
Dimension E	4 mm	-
Dimension F	2 mm	-
ETIM class code	EC000157	EC000157
Measurement length	9-150 mm	30-300 mm
Number/pack.	1 PCS	1 PCS

### VERNIER CALIPERS WITH DIAL INDICATOR LIMIT

4-function. Made of stainless steel. The measuring faces are precision ground and polished. Matt chromium-plated scale. Graduated in mm. DIN 862. Scaling section of dial 0.02 mm. 1 turn of the pointer indicates 2 mm.



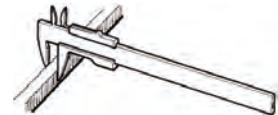
Article no.	52700309
ETIM class code	EC000157
Length of legs, external	40 mm
Measurement length	150 mm
Measurement units	Mm
Number/pack.	1 PCS

## VERNIER CALIPERS

### VERNIER CALIPERS WITH SCRIBER LIMIT

Made of stainless steel. The measuring surfaces are matt chromium-plated for non-glare reading. Graduated in mm and inches, and with vernier for 1/128" and 1/20 mm of 39 mm length. Also provided with depth gauge and points for internal measuring. DIN 862.

Article no.	35130103
Design	Analogue
ETIM class code	EC000157
Length of legs, external	40 mm
Measurement length	150 mm
Measurement units	Inch,mm
Number/pack.	1 PCS



### WORKSHOP CALIPERS LIMIT

Made of stainless steel. Hardened legs. Matt chromium-plated scale. Upper leg ground for access in grooves. Recess on lower legs for internal measurements. Tolerance according to DIN 862. Vernier scale 0.05 mm.

Article no.	152380101
Design	Analogue
ETIM class code	EC000157
Long leg length	125 mm
Measurement length	300 mm
Measurement units	Mm
Short leg length	56 mm
Number/pack.	1 PCS



## VERNIER CALLIPERS – ACCESSORIES

### CASE FOR VERNIER CALIPERS

Imitation leather case for pocket sliding calipers 150 mm. Provided with push-button lock.

Article no.	13100102
ETIM class code	EC001195
Length	150 mm
Number/pack.	1 PCS



## VIBROMETER

### VIBROMETER LIMIT 4800

Vibrometer for monitoring machines, electrical and pneumatic hand tools etc. Measuring vibrations is an important way of preventing ergonomic injuries as well as future maintenance on machines. Supplied with sensor (diameter 25 mm) with magnetic foot and user guide. Offset 2000  $\mu\text{m}$

Article no.	190370106
Battery type	Alkaline
Battery type IEC	6F22
Dimensions	160x68x30 mm
ETIM class code	EC003635



## VIBROMETER

### VIBROMETER LIMIT 4800

Article no.	190370106
Manufacturer's description	4800
No. of batteries	1 qty
Precision	± 5 °C
Resolution	0.1 mm
Speed	0-200 r/min
Number/pack.	1 PCS

## WELDING GAUGES

### DIGITAL WELDING GAUGE LIMIT

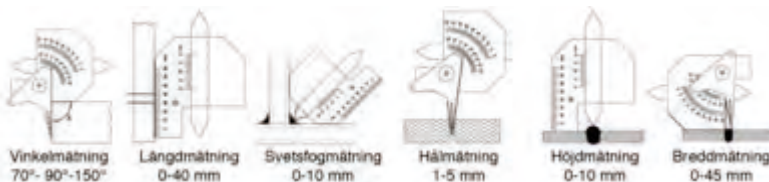
Digital welding gauge for 60° - 70° - 80° and 90° corner or weld joint measurements with a large LCD display and 13mm digits. Quick readings with a 3.0 m/s updating speed and stainless-steel scale. Absolute and relative measurements, readings in mm, inches, and fractions of an inch. Automatic shut-off. Manufactured in accordance with DIN 862. Battery type CR 2032, included.



Article no.	233820208
Digit height	13 mm
Inaccuracy	±0.02 mm
Resolution	0.01 inch
Weight	0.14 kg
Welding gauge	32 mm
Number/pack.	1 PCS

Article no.	Accessories	decription_table	Number/pack.
233820208	644705659	BATTERY BUTTON CELL LIT CR2032	1 PCS

### WELDING GAUGE LIMIT



For measuring of welding joints in corner. Heights of welding joints. Height gauge. Material thickness. Angle measuring. Distance between plates. Hole diameter. Supplied in plastic wallet.

Article no.	97541007
Angled	70-90-150 °
Hole diameter	1-5 mm
Length	45 mm

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## WELDING GAUGES

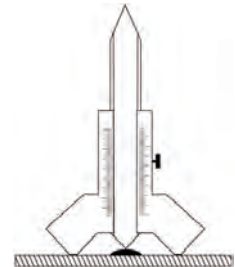
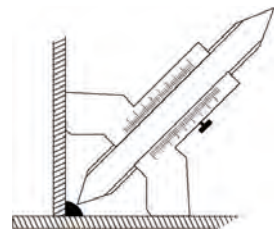
### WELDING GAUGE LIMIT

Article no.	97541007
Level/Height	0-10 mm
Manufacturer's description	Combi
Welding gauge	0-10 mm
Number/pack.	1 PCS

### WELDING GAUGES 2569 LIMIT

For measuring the height of plane weld joints, and the height in corners. Of steel. Graduated in mm and with 1/10 mm vernier. Apexes 60°-70°-80°-90°.

Article no.	25690108
Graduated length	20 mm
Number/pack.	1 PCS





## WELDING SEAM GAUGE

### WELDING SEAM GAUGE LIMIT

With 12 blades for measuring the height of plane welding joints. Bright.



Article no.	74031006
Measurement range	3-12 mm
Number/pack.	1 PCS

## TALLY COUNTERS

### TALLY COUNTER

Automatically returning button. With resetting. Nickel-plated.



59950105



59950204

Article no.	59950105	59950204
Diameter	45 mm	45 mm
Digit height	4.5 mm	4.5 mm
ETIM class code	-	-
Number of digits	4 qty	4 qty
Number/pack.	1 PCS	1 PCS

## ADJUSTMENT CUBE

### ADJUSTMENT CUBE LIMIT

Adjustment cube for positioning tools against workpieces or machine tables on milling and drilling machines. Indicator dial shows the spring plate pressure. At "0" the distance is 50 mm. Magnetic base for easy application both vertically and horizontally. Adjustment cube has an integrated calibration mechanism.



Article no.	153200100
Height	50 mm
Length	50 mm
Lengthwise movement	3 mm
Measuring scale graduation	0.01 °
Width	50 mm
Number/pack.	1 PCS

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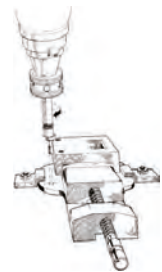
## EDGE SENSORS

### EDGE SENSORS LIMIT

Mechanical edge sensor. Simplifies the set-up process and positioning of the tool spindle in relation to the work piece or machine table on the milling machines and drilling machines.

The sensor is mounted in the tool spindles chuck. During rotation the moving contact tip is guided towards the edge of the work piece and the distance between the edge detector and the work piece can be determined.

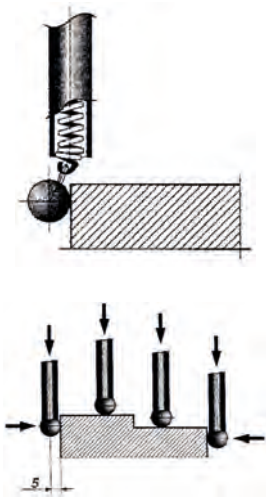
<b>Article no.</b>	<b>172500100</b>
Diameter	10.0,4.0 mm
Fastener diameter	10
Inaccuracy	±0.001 %
Total length	90 mm
Number/pack.	1 PCS



## EDGE SENSORS

### ELECTRONIC EDGE DETECTOR LIMIT

Electronic edge sensor. Simplifies the setup process and positioning of the tool spindle in relation to the workpiece or machine bench on milling machines and drilling machines. LED indicates contact between the spindle and workpiece. Precision made spindle with steel ball which springs sideways. Supplied with battery LR01.



Article no.	167110105
Ball diameter	10 mm
Battery size	23 A (12 V)
Battery type	Alkaline
Fastener diameter	20
Inaccuracy	±0.005 %
No. of batteries	1 qty
Total length	157 mm
Number/pack.	1 PCS

## GAUGE BLOCK SET

### GAUGE BLOCK SET LIMIT

Made of hardened special steel. Ground and hand lapped. Supplied in wooden case. DIN 861/2. Suitable for checking and adjusting dial gauges, workshop gauges, etc. DIN 861/1. Suitable for checking gauges, measuring instruments and inspection work in measurement rooms. Only sold in complete sets.



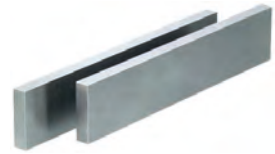
Article no.	52720109	52720208	52720307	52720406
Dimensions	1.005 (1), 1.01-1.20 (20), 1.30-1.90 (7), 1.00-9.00 (9), 10.00-100.00 (10) mm	1.001-1.009 (9), 1.01-1.49 (49), 0.50-9.50 (19), 10.00-100.00 (10) mm	1.005 (1), 1.01-1.20 (20), 1.30-1.90 (7), 1.00-9.00 (9), 10.00-100.00 (10) mm	1.001-1.009 (9), 1.01-1.49 (49), 0.50-9.50 (19), 10.00-100.00 (10) mm
ETIM class code	EC001195	EC001195	EC001195	EC001195
No. of parts	47 qty	87 qty	47 qty	87 qty
Tolerance class	DIN 961/2	DIN 861/2	DIN 861/1	DIN 861/1
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

## PARALLEL STOPS

### PARALLEL BLOCKS LIMIT

Set of 8 pairs. Ground in pairs. Hardened steel HRC 55-62. Parallelism tolerance.  $\pm 0.005$  mm.

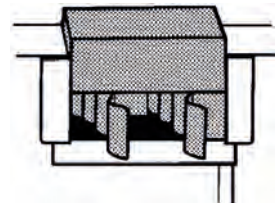
Article no.	151531001	151531100	151531209
Contents	Parallel blocks Height, 12 mm, Parallel blocks Height, 17 mm, Parallel blocks Height, 22 mm, Parallel blocks Height, 25 mm, Parallel blocks Height, 28 mm, Parallel blocks Height, 32 mm, Parallel blocks Height, 36 mm, Parallel blocks Height, 38 mm	Parallel blocks Height, 12 mm, Parallel blocks Height, 17 mm, Parallel blocks Height, 22 mm, Parallel blocks Height, 25 mm, Parallel blocks Height, 28 mm, Parallel blocks Height, 32 mm, Parallel blocks Height, 36 mm, Parallel blocks Height, 38 mm	Parallel blocks Height, 12 mm, Parallel blocks Height, 22 mm, Parallel blocks Height, 25 mm, Parallel blocks Height, 28 mm, Parallel blocks Height, 32 mm, Parallel blocks Height, 36 mm, Parallel blocks Height, 38 mm, Parallel blocks Height, 43 mm
ETIM class code	EC001195	EC001195	EC001195
Length	120 m	160 m	200 m
No. of parts	16 qty	16 qty	16 qty
Number/pack.	1 PCS	1 PCS	1 PCS



### PARALLEL BLOCKS

Of hardened and ground spring steel. Wave shaped parallel blocks (thickness 0.3 mm) which by virtue of their spring-action (width 0.35-4.5 mm) can replace a complete set of conventional parallel blocks. Very thin workpieces can also be clamped. Height tolerance and parallelism  $\pm 0.005$  mm. Supplied in case.

Article no.	09230103	09230202
Contents	Parallel block height (2 mm difference) 9-23 mm	Parallel block height (2 mm difference) 25-39 mm
Length	110 m	110 m
No. of parts	8 qty	8 qty
Number/pack.	1 SET	1 SET



## V-BLOCK

### V-BLOCK LIMIT

Of stress-free cast iron. Precision machined in pairs. Parallelism of base and V-groove, max 0.03 mm. V-groove angle 90°.

Article no.	25020207	25020405	25020603	25020108
Height	65 mm	90 mm	140 mm	60 mm
Storage temperature, max	-	-	-	15 °C
Storage temperature, min	-	-	-	5 °C
Thickness	41 mm	63 mm	100 mm	32 mm
V-groove depth	28 mm	39 mm	56 mm	23 mm
V-groove width	50 mm	82 mm	100 mm	44 mm
Width	100 mm	150 mm	205 mm	75 mm
Number/pack.	1 PAI	1 PAI	1 PAI	1 PAI



## V-BLOCK

### V-BLOCK 30, 35, 75 LIMIT

Precision design. For clamping during drilling, milling, grinding or measuring. Made in pairs from hardened and precision ground steel. Supplied in a set of 2 blocks and 2 clamps.



Article no.	52520202	52520301	52520400
Clamping diameter, max	25 mm	37 mm	40 mm
Height	32 mm	37 mm	55 mm
Length	40 mm	50 mm	75 mm
Width	32 mm	37 mm	55 mm
Number/pack.	1 SET	1 SET	1 SET

## FACE PLATES

### FACEPLATE LIMIT

Manufactured of aged special cast iron. Stable ribbed design. Finely processed to tolerance DIN 876/1.



Article no.	190171009	190171108	190171207
Length	200 mm	300 mm	400 mm
Weight	7 kg	19 kg	27 kg
Width	200 mm	300 mm	400 mm
Number/pack.	1 PCS	1 PCS	1 PCS

## STAMPS

### NUMBER STAMP LIMIT 1733

Limit. Stamps for steel and metal. 9 stamps, numbers 0–9. For stamping in materials with a tensile strength up to 120 kp/mm<sup>2</sup>. Made of hardened steel and packed in a plastic box. Symbols according to DIN 1451 Hardened on the engraving side according to 58–61 HRC Bevelled edges towards the stamping surface for improved accuracy. Each stamp marked with: Symbol, symbol size, Made in Germany and international eye protection symbol. Supplied in a strong impact-resistant plastic box Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.



Article no.	17330101	17330200	17330309	17330408
ETIM class code	EC000365	EC000365	EC000365	EC000365
Handle square	6 mm	6 mm	7 mm	8 mm
Numeral and letter height	2 mm	3 mm	4 mm	5 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	17330507	17330606	17330705	17330804
ETIM class code	EC000365	EC000365	EC000365	EC000365
Handle square	9 mm	11 mm	12 mm	14 mm
Numeral and letter height	6 mm	8 mm	10 mm	12 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	17330903
ETIM class code	EC000365
Handle square	16 mm
Numeral and letter height	15 mm
Number/pack.	1 SET

## STAMPS

### NUMBER STAMP LIMIT 5175

Limit stamps for hard steel. 9 stamps, numbers 0–9. For stamping in materials with a tensile strength up to 200 kp/mm<sup>2</sup>. Made of hardened steel with a tempered punch head. Packed in a plastic box. Manufactured according to DIN 7353. Symbols according to DIN 1451 (narrow). Hardened on the engraving side according to 58–61 HRC. Bevelled edges towards the stamping surface for improved accuracy. Each stamp marked with: Symbol, symbol size and international eye protection symbol. Supplied in a strong impact-resistant plastic box. Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.

Article no.	51750107	51750206	51750305	51750404
ETIM class code	EC000365	EC000365	EC000365	EC000365
Handle square	7 mm	8 mm	9 mm	10 mm
Numeral and letter height	2 mm	3 mm	4 mm	5 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	51750503	51750602	51750701
ETIM class code	EC000365	EC000365	EC000365
Handle square	12 mm	14 mm	16 mm
Numeral and letter height	6 mm	8 mm	10 mm
Number/pack.	1 SET	1 SET	1 SET



### NUMBER STAMP LIMIT 24433

Stamps for steel and metal. 9 stamps, numbers 0–9. For stamping in materials with a tensile strength up to 150 kp/mm<sup>2</sup>. Suitable for stamping in stainless steel. Nickel plated to protect against contamination caused by the transfer of metal particles. Packed in a plastic box. For stamping of stainless steel. Symbols according to DIN 1451. Hardened on the engraving side according to 58–61 HRC. Bevelled edges towards the stamping surface for improved accuracy. Each stamp marked with: Symbol, symbol size and international eye protection symbol. Supplied in a strong impact-resistant plastic box. Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.

Article no.	244330106	244330205	244330304	244330403
ETIM class code	EC000365	EC000365	EC000365	EC000365
Numeral and letter height	2 mm	3 mm	4 mm	5 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	244330502	244330601	244330700	244330809
ETIM class code	EC000365	EC000365	EC000365	EC000365
Numeral and letter height	6 mm	7 mm	8 mm	10 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET



### NUMBER STAMP LIMIT 24435

Stamps for steel and metal. 9 stamps, numbers 0–9. For stamping in materials with a tensile strength up to 150 kp/mm<sup>2</sup>. Designed to create as little stress in the material as possible and is therefore suitable for pressure tanks etc. Made of hardened tool steel and packed in a plastic box. Low stress effect on the material due to point stamping. Risk of fracture eliminated according to ASME standard. Symbols according to DIN 1451 (medium). Hardened on the engraving side according to 58–61 HRC. Each stamp marked with: Symbol, symbol size and international eye protection symbol. Supplied in a strong impact-resistant plastic box. Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.

Article no.	244350104	244350203	244350302	244350401
ETIM class code	EC000365	EC000365	EC000365	EC000365
Numeral and letter height	2 mm	3 mm	4 mm	5 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	244350500	244350609	244350708
ETIM class code	EC000365	EC000365	EC000365
Numeral and letter height	6 mm	8 mm	10 mm
Number/pack.	1 SET	1 SET	1 SET



## STAMPS

### NUMBER STAMP LIMIT 24437

Large stamps for steel and metal. 9 stamps, numbers 0-9. For stamping in materials with a tensile strength up to 150 kp/mm<sup>2</sup>. Made of hardened tool steel and packed in a plastic case. CNC produced for maximum precision. Symbols according to DIN 1451 (narrow). Hardened on the engraving side according to 58–61 HRC. Supplied in a strong, impact resistant plastic case. Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.



Article no.	244370102	244370201	244370300
ETIM class code	EC000365	EC000365	EC000365
Numeral and letter height	18 mm	20 mm	25 mm
Number/pack.	1 SET	1 SET	1 SET

### LETTER STAMP LIMIT 1735

Stamps for steel and metal. 27 letter stamps, A–Z and & character. For stamping in materials with a tensile strength up to 120 kp/mm<sup>2</sup>. Made of hardened steel and packed in a plastic box. Symbols according to DIN 1451. Hardened on the engraving side according to 58–61 HRC. Bevelled edges towards the stamping surface for improved accuracy. Each stamp marked with: Symbol, symbol size, Made in Germany and international eye protection symbol. Supplied in a strong impact-resistant plastic box. Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.



Article no.	17350109	17350208	17350307	17350406
ETIM class code	EC000365	EC000365	EC000365	EC000365
Handle square	6 mm	6 mm	7 mm	8 mm
Numeral and letter height	2 mm	3 mm	4 mm	5 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	17350505	17350604	17350703	17350802
ETIM class code	EC000365	EC000365	EC000365	EC000365
Handle square	9 mm	11 mm	12 mm	14 mm
Numeral and letter height	6 mm	8 mm	10 mm	12 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	17350901
ETIM class code	EC000365
Handle square	16 mm
Numeral and letter height	15 mm
Number/pack.	1 SET

### LETTER STAMP LIMIT 5176

Limit stamps for hard steel. 27 letter stamps, A–Z and & character. For stamping in materials with a tensile strength up to 200 kp/mm<sup>2</sup>. Made of hardened steel with a tempered punch head. Packed in a plastic box. Manufactured according to DIN 7353. Symbols according to DIN 1451 (narrow). Hardened on the engraving side according to 58–61 HRC. Bevelled edges towards the stamping surface for improved accuracy. Each stamp marked with: Symbol, symbol size and international eye protection symbol. Supplied in a strong impact-resistant plastic box. Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.



Article no.	51760106	51760205	51760304	51760403
ETIM class code	EC000365	EC000365	EC000365	EC000365
Handle square	7 mm	8 mm	9 mm	10 mm
Numeral and letter height	2 mm	3 mm	4 mm	5 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	51760502	51760601	51760700
ETIM class code	EC000365	EC000365	EC000365
Handle square	12 mm	14 mm	16 mm
Numeral and letter height	6 mm	8 mm	10 mm
Number/pack.	1 SET	1 SET	1 SET

## STAMPS

### LETTER STAMP LIMIT 24434

Stamps for steel and metal. 27 letter stamps, A–Z and & character. For stamping in materials with a tensile strength up to 150 kp/mm<sup>2</sup>. Suitable for stamping in stainless steel. Nickel plated to protect against contamination caused by the transfer of metal particles. Packed in a plastic box. For stamping of stainless steel. Symbols according to DIN 1451. Hardened on the engraving side according to 58–61 HRC. Bevelled edges towards the stamping surface for improved accuracy. Each stamp marked with: Symbol, symbol size and international eye protection symbol. Supplied in a strong impact-resistant plastic box. Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.

Article no.	244340105	244340204	244340303	244340402
ETIM class code	EC000365	EC000365	EC000365	EC000365
Numeral and letter height	2 mm	3 mm	4 mm	5 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	244340501	244340600	244340709	244340808
ETIM class code	EC000365	EC000365	EC000365	EC000365
Numeral and letter height	6 mm	7 mm	8 mm	10 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET



### LETTER STAMP LIMIT 24436

Stamps for steel and metal. 27 letter stamps, A–Z and & character. For stamping in materials with a tensile strength up to 150 kp/mm<sup>2</sup>. Designed to create as little stress in the material as possible and is therefore suitable for pressure tanks etc. Made of hardened tool steel and packed in a plastic box. Low stress effect on the material due to point stamping. Risk of fracture eliminated according to ASME standard. Symbols according to DIN 1451 (medium). Hardened on the engraving side according to 58–61 HRC. Each stamp marked with: Symbol, symbol size and international eye protection symbol. Supplied in a strong impact-resistant plastic box. Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.

Article no.	244360103	244360202	244360301	244360400
ETIM class code	EC000365	EC000365	EC000365	EC000365
Numeral and letter height	2 mm	3 mm	4 mm	5 mm
Number/pack.	1 SET	1 SET	1 SET	1 SET

Article no.	244360509	244360608	244360707
ETIM class code	EC000365	EC000365	EC000365
Numeral and letter height	6 mm	8 mm	10 mm
Number/pack.	1 SET	1 SET	1 SET



### LETTER STAMP LIMIT 24438

Large stamps for steel and metal. 27 letter stamps, A–Z and & character. For stamping in materials with a tensile strength up to 150 kp/mm<sup>2</sup>. Made of hardened tool steel and packed in a plastic box. CNC produced for highest precision. Symbols according to DIN 1451 (narrow) Hardened on the engraving side according to 58–61 HRC Supplied in a strong impact-resistant plastic box Assorted stamps can be purchased loose, but there is a minimum of 5 pcs per order.

Article no.	244380101	244380200	244380309
ETIM class code	EC000365	EC000365	EC000365
Numeral and letter height	18 mm	20 mm	25 mm
Number/pack.	1 SET	1 SET	1 SET





## STAMPS

### STAMP SET LIMIT

Complete sets made of steel with holders and replaceable types. The types are hardened for stamping in hard material. Stamp hardness HRC 37. The width of the holders allows insertion of 6–10 types at the same time. Supplied complete with 100 types – 58 letters, 35 letters plus special characters – together with a number of blind types for filling spaces. Also includes key and tweezers. In a wooden case. Spare letters and numbers. Minimum 5 pcs, assorted.



Article no.	58890302	58890203	58890104
ETIM class code	EC011129	EC011129	EC011129
No. of parts	100 qty	100 qty	100 qty
Number of types held in holder	8 qty	10 qty	13 qty
Text length	40 mm	40 mm	40 mm
Type height	5 mm	4 mm	3 mm
Number/pack.	1 SET	1 SET	1 SET

### STAMPING TOOL LIMIT 24440

Compact stamping tool with 6 stamp wheels for steel and metal. For stamping in materials with a tensile strength up to 120 kp/mm<sup>2</sup>. Made of tool steel with special properties for high efficiency. Packed in a plastic box. Compact design. Replaceable impact handle. All components are standard and interchangeable. Symbols according to DIN 1451 Hardened on the engraving side according to 58–61 HRC Nickel plated for corrosion protection.



Article no.	244400107	244400206	244400305	244400404
Digit height	2 mm	3 mm	4 mm	5 mm
ETIM class code	EC000365	EC000365	EC000365	EC000365
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	244400503
Digit height	6 mm
ETIM class code	EC000365
Number/pack.	1 PCS

### STAMPING TOOL LIMIT 24441

Stamping tool with 8 stamp wheels for steel and metal. For stamping in materials with a tensile strength up to 150 kp/mm<sup>2</sup>. Made of tool steel with special properties for high efficiency. Packed in a plastic box. Strong robust design Replaceable top on the impact handle All components are standard and interchangeable Symbols according to DIN 1451 Hardened on the engraving side according to 58–61 HRC Nickel plated for corrosion protection.



Article no.	244410106	244410205	244410304	244410403
Digit height	2 mm	3 mm	4 mm	5 mm
ETIM class code	EC000365	EC000365	EC000365	EC000365
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	244410502
Digit height	6 mm
ETIM class code	EC000365
Number/pack.	1 PCS

## SPRING BALANCES

### SPRING BALANCE

Tube of aluminium. Easy to read scale and screw for zero adjustment. Suitable for recreational use and weighing items.

Article no.	97500102	97500201
Capacity	5 kg	20 kg
ETIM class code	EC003367	EC003367
Graduation measurement	50 g	200 g
Scale length	100 mm	130 mm
Total length	290 mm	390 mm
Number/pack.	1 PCS	1 PCS



## SUSPENDED WEIGHERS

### SUSPENDED WEIGHER LIMIT



27970102



27970300



27970409



27970607

Suspended weigher suitable for diverse hanging and pulling weighing needs. Accuracy is better than one graduation/division. KC series. Analogue Features protective glass of acrylic, screw for zero adjustment (taring). CLH4 series. Electronic with 14 mm high digits and quick taring key. Hooks and eyes steel. Battery powered 2 x 1.5V type AA included.

Article no.	27970102	27970300	27970409	27970607
Capacity	25 kg	50 kg	100 kg	250 kg
ETIM class code	EC003367	EC003367	EC003367	EC003367
Face diameter	150 mm	150 mm	150 mm	195 mm
Graduation measurement	100 g	200 g	500 g	1000 g
Manufacturer's description	KC-08	KC-08	KC-08	KC-11
Overall height	365 mm	390 mm	390 mm	475 mm
Weight	1.2 kg	1.3 kg	1.3 kg	3.3 kg
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
27970409	27971001	PROTECTIVE GLASS KC-08	1 PCS
27970102	27971001	PROTECTIVE GLASS KC-08	1 PCS
27970300	27971001	PROTECTIVE GLASS KC-08	1 PCS

## PARCEL SCALES

### PARCEL SCALES - BENCH SCALES - LIMIT

Dial and analogue display. For storerooms, warehouses, offices and factories etc. The precision is better than scale graduation. Stainless weighing plate and casing. Large and easy to read scale with protective glass for hand and face. Zero point tarring range about 5% of the capacity.



28000107



28000404

Article no.	28000107	28000305	28000404
Capacity	8 kg	30 kg	50 kg
ETIM class code	EC003933	EC003933	EC003933
Face diameter	196 mm	255 mm	270 mm
Graduation measurement	20 g	100 g	200 g
Manufacturer's description	KC-3	KC-4	KC-4
Overall height	280 mm	310 mm	350 mm
Weighing plate length	220 mm	320 mm	320 mm
Weighing plate width	220 mm	315 mm	315 mm
Weight	3 kg	6.5 kg	11 kg
Number/pack.	1 PCS	1 PCS	1 PCS

## SUSPENDED WEIGHERS

### HANGING SCALE LBH-SERIES LIMIT

LBH-Series. Compact, lightweight, portable and easy to use hanging scale in plastic housing. Capacities 30/60/150 Kg. Tare and hold function. Auto off function to save batteries. 3 x AA batteries and hook included. 25 mm wide angle LCD display.



Article no.	27971308	27971100	27971209
Capacity	150 kg	30 kg	60 kg
ETIM class code	EC003367	EC003367	EC003367
Graduation measurement	50 g	10 g	20 g
Overall height	257 mm	257 mm	257 mm
Weight	0.5 kg	0.5 kg	0.5 kg
Number/pack.	1 PCS	1 PCS	1 PCS

### HANGING SCALE LIH-SERIES LIMIT

LIH-Series. Compact, lightweight, portable and easy to use hanging scale with aluminum case. Capacities 150/300/500 Kg. Tare and hold function. Auto off function to save batteries. 3 x AA batteries. 25 mm wide angle LCD display.



Article no.	27971407	27971506	27971605
Capacity	150 kg	300 kg	500 kg
ETIM class code	EC003367	EC003367	EC003367
Graduation measurement	50 g	100 g	200 g
Overall height	257 mm	257 mm	257 mm
Weight	0.7 kg	0.7 kg	0.7 kg
Number/pack.	1 PCS	1 PCS	1 PCS

## COUNTING SCALES

### ELECTRONIC COUNTING SCALES LAC-LBC

LAC. Electronic counting scales with 3 separate digital displays and background lighting to determine the number and weight. Shows item weight, total weight and calculated number. 10-keys for the input of quantity in a sample and known unit weight. Optional shutoff or continuous drift. Automatic optimization function for the best counter accuracy. Taring and 0-position functions. Stainless load plate. Mains connection 230 V, or battery operation. Supplied with mains adapter and rechargeable batteries. LBC. Features as above plus 10 direct memories for item weights. Better counting accuracy as well as larger plate.

Article no.	233870104	233870203	233870302	233870401
Capacity	15 kg	30 kg	7.5 kg	15 kg
Digit height	14 mm	14 mm	16 mm	16 mm
ETIM class code	EC003933	EC003933	EC003933	EC003933
Graduation/resolution, not verified	1 kg	2 kg	0.2 kg	0.5 kg
Inaccuracy	±1 mm	±2 mm	±0.2 mm	±0.5 mm
Internal graduation	1/300000	1/300000	1/1200000	1/1200000
Manufacturer's description	LAC-15	LAC-30	LBC-7.5	LBC-15
Weighing plate length	280 mm	280 mm	335 mm	335 mm
Weighing plate width	220 mm	220 mm	230 mm	230 mm
Weight	3.2 kg	3.2 kg	3.75 kg	3.75 kg
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	233870500
Capacity	30 kg
Digit height	16 mm
ETIM class code	EC003933
Graduation/resolution, not verified	1 kg
Inaccuracy	±1 mm
Internal graduation	1/1200000
Manufacturer's description	LBC-30
Weighing plate length	335 mm
Weighing plate width	230 mm
Weight	3.75 kg
Number/pack.	1 PCS



233870104



233870302

## PARCEL SCALES

### PARCEL SCALES LIMIT LEM7

Electronic table scales with digital display, compact design. LEM7-0.5 Pocket scales: Touch display with large easy to read digits and background lighting. Function frames for on/off, quick tare, counter function and different weighing units. Battery operation, protective cover for the whole top section incl. the stainless load platform. Battery powered 2 x 1.5V type AAA included. LEM7 1.2-10 = Precision scales: Display with large easy to read digits. Function keys for on/off, zero reset/tare, counter function and different weighing units. Stainless platform. Mains connection 230 V, or battery operation. Supplied with mains adapter. (6 x AA batteries not included).

Article no.	168900116	168900124	168900132	168900207
Capacity	1,2 kg	2,5 kg	5 kg	10 kg
Digit height	20 mm	20 mm	20 mm	20 mm
ETIM class code	EC003933	EC003933	EC003933	EC003933
Graduation/resolution, not verified	0.1 kg	0.2 kg	0.5 kg	1 kg
Inaccuracy	±0.1 mm	±0.2 mm	±0.5 mm	±1 mm
Manufacturer's description	LEM7-1,2	LEM7-2,5	LEM7-5	LEM7-10

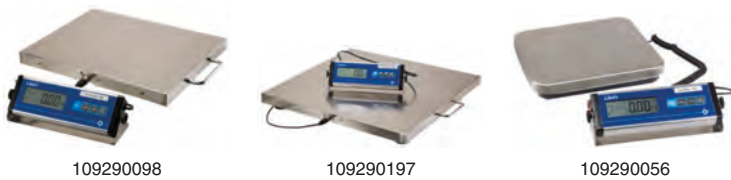


## PARCEL SCALES

### PARCEL SCALES LIMIT LEM7

Article no.	168900116	168900124	168900132	168900207
Weighing plate length	180 mm	180 mm	180 mm	180 mm
Weighing plate width	170 mm	170 mm	170 mm	170 mm
Weight	1.5 kg	1.5 kg	1.5 kg	1.5 kg
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS

### PARCEL SCALES LIMIT LE2/LE3



Electronic parcel scales with digital display. Platform and display unit separate. Display unit can be freestanding or fixed on a wall/stand. Large clear angled display with 25 mm high digits and background lighting. Function keys for zeroing, weight unit, tarring, net/gross. Stainless load plate. Mains or battery powered. Supplied with mains adapter and rechargeable battery. Battery operation up to 80 hours.

Article no.	109290098	109290197	109290056	109290072	109290031
Capacity	150 kg	300 kg	60 kg	150 kg	30 kg
ETIM class code	EC003933	EC003933	EC003933	EC003933	EC003933
Graduation/resolution, not verified	50 kg	100 kg	20 kg	50 kg	10 kg
Inaccuracy	±50 mm	±100.0 mm	±20 mm	±50 mm	±10 mm
Manufacturer's description	LE3-150	LE4-300	LE2-60	LE2-150	LE2-30
Weighing plate length	450 mm	600 mm	325 mm	325 mm	325 mm
Weighing plate width	350 mm	600 mm	315 mm	315 mm	315 mm
Weight	6.8 kg	12.4 kg	3.8 kg	3.8 kg	3.8 kg
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS	1 PCS

Article no.	Accessories	decription_table	Number/pack.
109290031	137020202	ADAPTER/CHARGER LE-SERIES	1 PCS

## FLOOR SCALES

### PARCEL SCALES - BENCH SCALES - FLOOR SCALES LIMIT LPW

Electronic floor scale with post display. Large clear 30 mm LED with wide angled display. Heavy duty design with overload protection. The display can be mounted on a post or be used free-standing. Function keys for zeroing, weight unit, tarring, net/gross. Stainless load plate. Mains or battery powered. Supplied with mains adapter and rechargeable battery. Battery operation up to 80 hours.

Article no.	184200202	184200301	184200400	184200103
Capacity	150 kg	300 kg	600 kg	60 kg
ETIM class code	EC003933	EC003933	EC003933	EC003933
Graduation/resolution, not verified	20 kg	50 kg	100 kg	10 kg
Inaccuracy	±20 mm	±50 mm	±100 mm	±10 mm
Manufacturer's description	LPW-4	LPW-6	LPW-8	LPW-2
Weighing plate length	500 mm	600 mm	800 mm	400 mm
Weighing plate width	400 mm	500 mm	600 mm	300 mm
Weight	13 kg	24 kg	38 kg	10 kg
Number/pack.	1 PCS	1 PCS	1 PCS	1 PCS



## PALLET SCALES

### PALLET SCALES LUW-2001 LIMIT

LUW-2001. U scales / pallet scales based on 4 load cells with a capacity of 2000 × 0.5 kg. Supplied with a display unit that can be free-standing or mounted on a wall using the included wall bracket. LED display with 30 mm large digits. Function selection for zeroing, tarring, check weighing, counting, accumulation and peak hold. Integrated castors for easy movement. Rechargeable battery and mains adapter/charger included.

Article no.	247830110
Capacity	2000 kg
Digit height	30 mm
ETIM class code	EC003997
Graduation/resolution, not verified	0.5 kg
Inaccuracy	±0.5 mm
Manufacturer's description	LUW-2001
U-beam height	74 mm
U-beam length, external	1200 mm
U-beam length, internal	1055 mm
U-beam width, external	840 mm
U-beam width, internal	600 mm
Weight	38 kg
Number/pack.	1 PCS



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## MOBILE SCALES

### MOBILE SCALES LW LIMIT

Mobile scales which save time by allowing you to weigh the product in situ rather than moving it to a stationary scale. Stable construction based on 4 powerful load cells, which provide the correct weight if the load is placed correctly, even when loaded off centre. High precision corresponding to  $\pm 1$  unit of the display resolution. The instrument is protected in a sturdy metal case. Clear LED display. LW-MKP/ELW = verifiable design. Automatic zeroing, tarring function. Supplied with 6V/4Ah rechargeable battery and battery charger.



<b>Article no.</b>	<b>244750105</b>
Battery size	6 V
Capacity	2000 kg
Digit height	27 mm
ETIM class code	EC003997
Fork length	1150 mm
Fork wheel PU, bogie	74x70 mm
Fork width	160 mm
Graduation/resolution, not verified	1 kg
Inaccuracy	$\pm 1$ mm
Lift height, max.	87 mm
Lift height, min.	80 mm
Manufacturer's description	LW-MSP/B
Operating time	>80 h
Steering wheel PU	180x150 mm
Total width	550 mm
Weight	90 kg
Number/pack.	1 PCS





[www.limit-tools.com](http://www.limit-tools.com)

