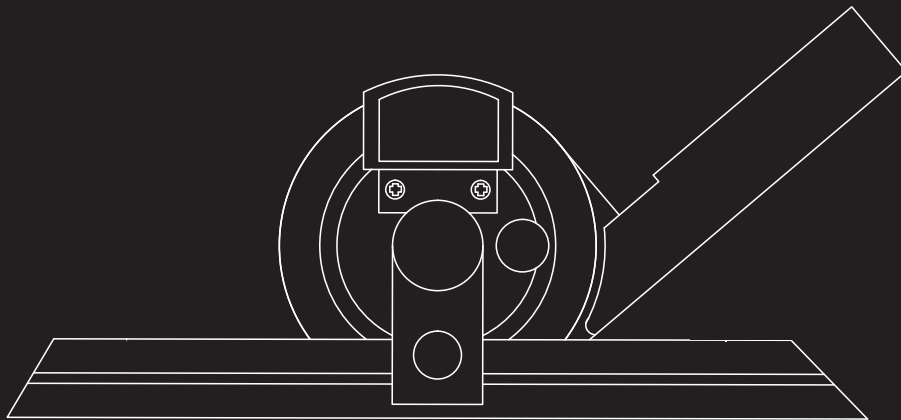
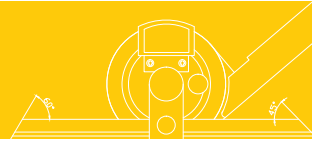


# Endmaße Gauges Blocks

- 59 Universal Winkelmesser / Universal Bevel Protractors
- 60 Mess-und kontrollplatten / Granite Surface Plates
- 60 Feinmesstische / Dial Gauge Stands
- 61 Einstellringe nach / Setting Rings
- 61 Winkelendmaß-Satz / Angle Blocks Set
- 61 Einzel-Parallelendmaße / Individual Gauge Blocks
- 62 Prüfsatz für Messschieber / Gauges Block Sets for Calipers Checking
- 62 Prüfsätze für Bügelmessschrauben / Gauges Block Sets for Micrometers Checking
- 63 Parallelendmaß - Sätze / Rectangular Gauge Block Sets





## Universal Winkelmesser Universal Bevel Protractors

490 Series

### AUSFÜHRUNG

- Ablesung 1', Noniuswert 5'
- für präzise Winkel Messungen
- Vergrößerungsglas für leichteres Ablesen
- kann mit einem Standard Höhenmessgerät genutzt werden um ein rechtwinkliges Maß von der Referenzplatte zu erhalten.
- Genauigkeit:  $\pm 5'$

### STANDARD ZUBEHÖR

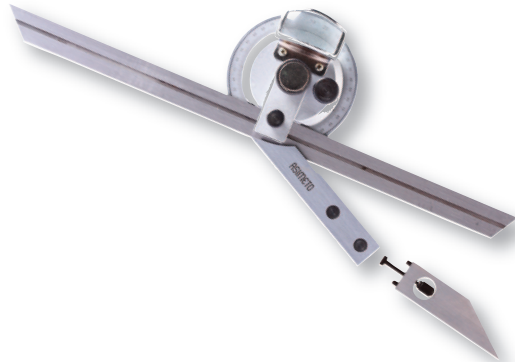
- Basis, Messschienen, Garantieschein, Bedienungsanleitung
- Verpackung: Plastikbox

### FEATURES

- Dial Graduation: 1°, Vernier: 5'
- Designed to provide precise angular measurements
- Magnifying glass is provided for easier reading
- Can be used with a standard height gauge to provide angular measurement from reference plate
- Accuracy:  $\pm 5'$

### STANDARD ACCESSORIES

- Base, Blades, Bevel Blades, Warranty card, Instruction manual
- Packaging: Plastic case



### TECHNISCHE DATEN SPECIFICATIONS

Messschienen / Blades	Best.-Nr. / Code No.
150mm, 200mm, 300mm	490-06-0

## Universal winkelmesser Dial Protractors

490 Series

### AUSFÜHRUNG

- Messbereich\_ 0-360° " , Ablesung 5'
- mit Feinverstellung und analoger Anzeige
- Genauigkeit:  $\pm 5'$

### STANDARD ZUBEHÖR

- Basis, Messschienen (3 St),
- Garantieschein, Bedienungsanleitung
- Verpackung: Plastikbox

### FEATURES

- Measuring Range: 0-360°, Graduation: 5'
- Designed with analog readout and fine adjustment to provide precise angular measurements
- Can be used with a standard height gauge to provide angular measurement from reference plate
- Accuracy:  $\pm 5'$

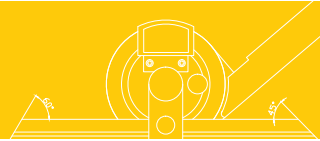
### STANDARD ACCESSORIES

- Base, Blades (3 pcs), Bevel Blade
- Warranty card, Instruction manual
- Packaging: Plastic case



### TECHNISCHE DATEN SPECIFICATIONS

Messschienen / Blades	Best.-Nr. / Code No.
150mm, 200mm, 300mm	490-10-0



## Mess-und Kontrollplatte mit Winkeleisengestell Granite plate with angular steel frame

630 Series

### AUSFÜHRUNG

- besonders feinkörniger Granit
- DIN 876 Gen. 0
- Arbeitshöhe von ca. 900 mm
- inkl. Stahlkugeleinsätze
- Verpackung: Holzkiste

### FEATURES

- extra fine grained granite
- DIN 876 Grade 0
- working height about 900 mm
- inclusive steel ball inserts
- Packaging: Wooden box

### TECHNISCHE DATEN SPECIFICATIONS

Maße	Brutto (kg)	Best.-Nr.
Size	gross (kg)	Code No.
630 x 400 x 70 mm	95	630-35-9
800 x 500 x 100 mm	182	630-36-9
1000 x 630 x 100 mm	260	630-37-9
1200 x 800 x 160 mm	561	630-38-9
1600 x 1000 x 160 mm	915	630-39-9
2000 x 1000 x 220 mm	1500	630-40-9



## Feinmesstische Dial Gauge Stands

670 / 830 Series



830-04-0



830-06-0



670-33-0

### AUSFÜHRUNG

- Tischfläche geschliffen und geläpft
- Säule gehärtet und feinstgeschliffen
- Durchmesser Aufnahmebohrungen 8H7
- Packaging: Wooden box

### TECHNISCHE DATEN SPECIFICATIONS

Tischfläche	Ebenheit	Säule	Vertikalität	Ausladung	Best.-Nr.
Table size	Flatness	Pillar	Verticality	Throat	Code No.
Ø50mm	0.005mm	207 x Ø35mm	0.03mm	100mm	830-04-0
60 x 68mm	0.005mm	207 x Ø35mm	0.03mm	100mm	830-06-0
230X300X90mm	0.005mm	290 x Ø25mm	0.03mm	180mm	670-33-0

### FEATURES

- Bgrounded and lapped table surface
- Hardened and precision ground column
- Receptable bores 8H7
- Packaging: Wooden box



## Einstellringe nach DIN 2250 Setting Rings

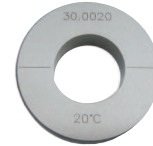
675 Series

### AUSFÜHRUNG

- Lehenstahl
- Verpackung: Plastikbox und Holzbox

### FEATURES

- Hardened steel
- Packaging: PP plastic box or wooden box



675-30-0

### TECHNISCHE DATEN SPECIFICATIONS

Maße	Best.-Nr.	Maße	Best.-Nr.	Maße	Best.-Nr.	Maße	Best.-Nr.	Maße	Best.-Nr.
Size	Code No.	Size	Code No.	Size	Code No.	Size	Code No.	Size	Code No.
18mm	675-18-0	28mm	675-28-0	42mm	675-42-0	60mm	675-60-0	88mm	675-88-0
19mm	675-19-0	30mm	675-30-0	44mm	675-44-0	62mm	675-62-0	90mm	675-90-0
20mm	675-20-0	32mm	675-32-0	45mm	675-45-0	65mm	675-65-0	92mm	675-92-0
21mm	675-21-0	33mm	675-33-0	46mm	675-46-0	68mm	675-68-0	95mm	675-95-0
22mm	675-22-0	34mm	675-34-0	47mm	675-47-0	70mm	675-70-0	98mm	675-98-0
23mm	675-23-0	35mm	675-35-0	48mm	675-48-0	72mm	675-72-0	100mm	675-00-0
24mm	675-24-0	36mm	675-36-0	50mm	675-50-0	75mm	675-75-0		
25mm	675-25-0	37mm	675-37-0	52mm	675-52-0	80mm	675-80-0		
26mm	675-26-0	38mm	675-38-0	55mm	675-55-0	82mm	675-82-0		
27mm	675-27-0	40mm	675-40-0	58mm	675-58-0	85mm	675-85-0		

## Winkelendmaß-Satz Angle Blocks Set

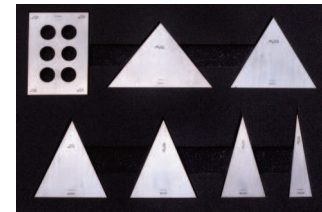
605 Series

### AUSFÜHRUNG

- DIN / ISO 3650
- Lehenstahl, Härte HRC 55
- Verpackung: Holzbox

### FEATURES

- DIN / ISO 3650
- Hardened steel. Hardness HRC 55
- Packaging: Wooden case



605-06-3

### TECHNISCHE DATEN SPECIFICATIONS

Genauigkeit	Stufung	Best.-Nr.
Grade	Individual Blocks Included	Code No.
1	15°10', 30°20', 45°30' 50°, 60°40', 75°50', 90°	605-06-3

## Einzel-Parallelendmaße Individual Gauge Blocks

654 / 659 Series

### AUSFÜHRUNG

- DIN ISO 3650
- Stahl Güte: 1

### FEATURES

- DIN ISO 3650
- Steel Grade 1



### TECHNISCHE DATEN SPECIFICATIONS

Maße	Best.-Nr.	Maße	Best.-Nr.	Maße	Best.-Nr.	Maße	Best.-Nr.	Maße	Best.-Nr.
Size	Code No.	Size	Code No.	Size	Code No.	Size	Code No.	Size	Code No.
41.3mm	659-00-1	125mm	654-22-1	200mm	654-25-1	400mm	654-32-1	700mm	654-41-1
131.4mm	659-02-0	150mm	654-23-1	250mm	654-27-1	500mm	654-35-1	800mm	654-44-1
243.5mm	659-03-1	175mm	654-24-1	300mm	654-29-1	600mm	654-38-1	900mm	654-47-1
281.2mm	659-04-1							1000mm	654-50-1



## Prüfsatz für Messschieber Gauges Block Sets for Calipers Checking

659 Series

### AUSFÜHRUNG

- DIN ISO 3650 (Endmaße)
- DIN ISO 2250 (Einstellringe)
- aus hochwertigem Spezialstahl
- Verpackung: Holzbox

### FEATURES

- DIN ISO 3650 (gauge Blocks)
- DIN ISO 2250 (setting Rings)
- Special steel
- Packaging: Wooden case



659-31-1

### TECHNISCHE DATEN SPECIFICATIONS

Maße	Messbereich	Genauigkeit	Best.-Nr.
Blocks in Set	Range	Grade	Code No.
30.0mm, 41.3mm, 131.4mm, $\Phi$ 4.0mm, $\Phi$ 25.0mm	0-150mm	1	<b>659-31-1</b>
41.3mm, 131.4mm, 243.5mm, $\Phi$ 4.0mm, $\Phi$ 25.0mm	0-300mm	0	<b>659-32-0</b>

## Prüfsätze für Bügelmessschrauben Gauges Block Set for Micrometers Checking

659 Series

### AUSFÜHRUNG

- DIN ISO 3650
- Verpackung: Holzbox

### FEATURES

- DIN ISO 3650
- Packaging: Wooden case



### TECHNISCHE DATEN SPECIFICATIONS

Maße	Messbereich	Genauigkeit	Steel Best.-Nr.	Ceramic Best.-Nr.
Blocks in Set	Range	Grade	Steel Code No.	Ceramic Code No.
5.1mm, 10.3mm, 15.0mm, 20.2mm, 25.0mm	0-25mm	1	<b>659-21-1</b>	<b>659-71-1</b>



## Parallelendmaß - Sätze Rectangular Gauge Block Sets

650 Series

### AUSFÜHRUNG

- individuelle Seriennummern auf jedem Endmaß
- auf N.I.S.T. oder P.T.B. rückführbares Kalibrierzertifikat
- die feingeläppten Messflächen bieten erstklassige Ansprengeneigenschaften
- Verpackung: Holzbox

### FEATURES

- Individual serial numbers on each block, regardless of grade
- A complete certificate of calibration traceable to the N.I.S.T or P.T.B showing the deviation of each block
- Mirror polished surfaces provide superior wringing characteristics
- Packaging: Wooden box



650-63-0

### TECHNISCHE DATEN SPECIFICATIONS

Satz	Maße	Genauigkeit	Stahl Best.-Nr.	Zirkonium Best.-Nr.
Blocks Per Set	Blocks Included In Set	Grade	Steel Code No.	Ceramic Code No.
32 (ISO / DIN / JIS /GB)	1 Block: 1.005mm	0	650-16-0	650-66-0
	9 Block: 1.01 - 1.09mm x 0.01mm step	1	650-16-1	650-66-1
9 Block: 1.1 - 1.9mm x 0.1mm step				
47 (ISO / DIN / JIS /GB)	9 Block: 1- 9mm x 1mm step	0	650-14-0	650-64-0
	4 Block: 10mm, 20mm, 30mm, 50mm			
87 (ISO / DIN / JIS /GB)	1 Block: 1.005mm	1	650-14-1	650-64-1
	20 Block: 1.01- 1.20mm x 0.01mm step			
103 (ISO / DIN / JIS /GB)	7 Block: 1.3 - 1.9mm x 0.1mm step	0	650-13-0	650-63-0
	9 Block: 1- 9mm x 1mm step			
122 (ISO / DIN / JIS /GB)	10 Block: 10 - 100mm x 10mm step	1	650-13-1	650-63-1
	9 Blocks: 1.001- 1.009mm x 0.001mm step			
122 (ISO / DIN / JIS /GB)	49 Blocks: 1.01- 1.49mm x 0.01mm step	0	650-12-0	650-62-0
	19 Blocks: 0.5 - 9.5mm x 0.5mm step			
122 (ISO / DIN / JIS /GB)	10 Blocks: 10 - 100mm x 10mm step	1	650-12-1	650-62-1
	1 Blocks: 1.0005mm			
122 (ISO / DIN / JIS /GB)	49 Blocks: 1.01- 1.49mm x 0.01mm step	0	650-11-0	650-61-0
	49 Blocks: 0.5- 24.5mm x 0.5mm step			
122 (ISO / DIN / JIS /GB)	4 Blocks: 1.6 - 1.9mm x 0.1mm step	1	650-11-1	650-61-1
	49 Blocks: 0.5 - 24.5mm x 0.5mm step			
122 (ISO / DIN / JIS /GB)	8 Blocks: 30 - 100mm x 10mm step	0	650-11-0	650-61-0
	2 Blocks: 25, 75mm			