






Price list, Calibration of references/standards/masters

Shipping address:
 Mitutoyo Nederland B.V.
 CALIBRATION SERVICE
 Storkstraat 30
 3905 KX Veenendaal, Nederland

Contact via Customer Portal
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Gauge blocks >100-1500mm	€ 150			U(k = 2)	Steel/Ceramic: 0,10 µm + 0,34.10 ⁻⁶ ./ Zero glass: 0,10 µm + 0,20.10 ⁻⁶ ./
Micrometer standards till 1500mm	€ 50			U(k = 2)	Steel: 0,10 µm + 0,50.10 ⁻⁶ ./
Masterballs (0-30) diameter + roundness via double reversal	€ 189			U(k = 2)	Diameter: 0,2 µm Roundness: 10nm + 2%.RONt Special request + roughness
Masterballs (0-30) diameter + roundness via double reversal + 2 x 45 degrees	€ 745				
Masterballs (0-30) diameter + roundness + roughness	€ 309				
Ring gauges (4-50) diameter	€ 193				
CMM					
Stepgauges 32 surfaces (310mm)	€ 640			U(k = 2)	0,16 µm + 0,34.10 ⁻⁶ ./
Stepgauges 46 surfaces (450mm)	€ 920				0,17 µm + 0,34.10 ⁻⁶ ./
Stepgauges 62 surfaces (610mm)	€ 1240				0,19 µm + 0,34.10 ⁻⁶ ./
Stepgauges 76 surfaces (750mm)	€ 1520				0,21 µm + 0,34.10 ⁻⁶ ./

Stepgauges 78 surfaces (770mm)	€ 1560
Stepgauges 102 surfaces (1010mm)	€ 2040
Stepgauges 116 surfaces (1150mm)	€ 2320
Stepgauges 152 surfaces (1510mm)	€ 3040
Stepgauges 18 surfaces (300mm) caliper checker 300	€ 360
Stepgauges 24 surfaces (600mm) caliper checker 600	€ 480
Stepgauges 26 surfaces (excl. 2 GB's) inside micrometer checker	€ 520
Stepgauges 50 surfaces (excl. 2 GB's) inside micrometer checker	€ 1000
Stepgauges 22 surfaces (250mm)	€ 440
Stepgauges 30 surfaces (320mm)	€ 600
Stepgauge 38 surfaces (147mm) Kogame	€ 760
Stepgauge 40 surfaces (155mm) Kogame	€ 800
Stepgauge 20 surfaces (190mm) QV-TP	€ 400
Stepgauge 26 surfaces (250mm) QV-TP	€ 520
Stepgauge 32 surfaces (310mm) QV-TP	€ 640
Stepgauge 46 surfaces (450mm) QV-TP	€ 920
Stepgauge 66 surfaces (650mm) QV-TP	€ 1320
Stepgauges 22 surfaces (210mm) KOBA (10 mm cylinders)	€ 440
Stepgauges 22 surfaces (420mm) KOBA	€ 440
Stepgauges 32 surfaces (620mm) KOBA	€ 640
Stepgauges 42 surfaces (820mm) KOBA	€ 840
Stepgauges 52 surfaces (1020mm) KOBA	€ 1040
Straightedges till 300mm	€ 139
Straightedges till 500mm	€ 161
Straightedges till 750mm	€ 182
Straightedges till 1000mm	€ 203
Block square, longest legg till 300mm	€ 182
Block square, longest legg till 500mm	€ 203
Block square, longest legg till 750mm	€ 214
Block square, longest legg till 1000mm	€ 235
Quadra square	€ 353
Cube square	€ 535



Optical

Glass Scale (Projector scale) 50 mm (11 stripes, pitch 5 mm)	€ 253
Glass Scale (Projector scale) 80 mm (17 stripes, pitch 5 mm)	€ 391
Glass Scale (Projector scale) 100 mm (11 stripes, pitch 10 mm)	€ 253
Glass Scale (Projector scale) 150 mm (16 stripes, pitch 10 mm)	€ 368
Glass Scale (Projector scale) 200 mm (21 stripes, pitch 10 mm)	€ 483
Glass Scale (Projector scale) 250 mm (26 stripes, pitch 10 mm)	€ 598
Glass Scale (Projector scale) 300 mm (31 stripes, pitch 10 mm)	€ 713
Glass Scale (Projector scale) 400 mm (41 stripes, pitch 10 mm)	€ 943
Glass Scale (Projector scale) 500 mm (51 stripes, pitch 10 mm)	€ 1173
Glass Scale (Projector scale) 600 mm (61 stripes, pitch 10 mm)	€ 1403



0,21 μm + 0,34.10 ⁻⁶ /
0,24 μm + 0,34.10 ⁻⁶ /
0,26 μm + 0,34.10 ⁻⁶ /
0,30 μm + 0,34.10 ⁻⁶ /
0,16 μm + 0,34.10 ⁻⁶ /
0,19 μm + 0,34.10 ⁻⁶ /
0,16 μm + 0,34.10 ⁻⁶ /
0,19 μm + 0,34.10 ⁻⁶ /
0,15 μm + 0,34.10 ⁻⁶ /
0,16 μm + 0,34.10 ⁻⁶ /
0,14 μm + 0,34.10 ⁻⁶ /
0,14 μm + 0,34.10 ⁻⁶ /
0,14 μm + 0,34.10 ⁻⁶ /
0,15 μm + 0,34.10 ⁻⁶ /
0,16 μm + 0,34.10 ⁻⁶ /
0,17 μm + 0,34.10 ⁻⁶ /
0,20 μm + 0,34.10 ⁻⁶ /
0,17 μm + 0,34.10 ⁻⁶ /
0,17 μm + 0,34.10 ⁻⁶ /
0,19 μm + 0,34.10 ⁻⁶ /
0,21 μm + 0,34.10 ⁻⁶ /
0,24 μm + 0,34.10 ⁻⁶ /

U(k = 2)

1,5 μm

U(k = 2)

1,5 μm for the straightness of the legs
(0,5 m/L)" for the angle deviation (=appr.
2,4μm/L)

U(k = 2)




1,5 μm for the straightness of the legs
(0,5 m/L)" for the angle deviation (=appr.
2,4μm/L)



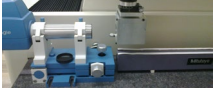



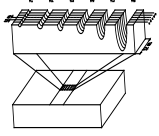
U(k = 2)

1,5 μm for the straightness of the legs
(0,5 m/L)" for the angle deviation (=appr.
2,4μm/L)

U(k = 2)

0,40 μm + 1,00.10⁻⁶/

Glass scale 250 mm, working standard (26 stripes, pitch 10 mm) low expansion	€ 598				
Glass scale 500 mm, working standard (51 stripes, pitch 10 mm) low expansion	€ 1173				
Motic calibration slide	€ 110			U(k = 2)	10 µm
VMM					
Line standard (Vision scale) QI 60 mm (13 stripes, pitch 5 mm)	€ 299				
Line standard (Vision scale) QI 80 mm (17 stripes, pitch 5 mm)	€ 391				
Line standard (Vision scale) QI 105 mm (22 stripes, pitch 5 mm)	€ 506			U(k = 2)	Normal glass: $0,08 \mu\text{m} + 1,00 \cdot 10^{-6} /$ Zero glass: $0,08 \mu\text{m} + 0,50 \cdot 10^{-6} /$
Line standard (Vision scale) QI 180 mm (37 stripes, pitch 5 mm)	€ 851				
Line standard (Vision scale) QI 205 mm (42 stripes, pitch 5 mm)	€ 966				
Line standard (Vision scale) QI 305 mm (62 stripes, pitch 5 mm)	€ 1426				
Line standard (Vision scale) QI 380 mm (77 stripes, pitch 5 mm)	€ 1771				
Line standard (Vision scale) QI 405 mm (82 stripes, pitch 5 mm)	€ 1886				
Line standard (Vision scale) QS/QV 200 mm (21 stripes, pitch 10 mm)	€ 483				
Line standard (Vision scale) QS/QV 250 mm (26 stripes, pitch 10 mm)	€ 598				
Line standard (Vision scale) QS/QV 300 mm (31 stripes, pitch 10 mm)	€ 713				
Line standard (Vision scale) QS/QV 330 mm (34 stripes, pitch 10 mm)	€ 782				
Line standard (Vision scale) QS/QV 400 mm (41 stripes, pitch 10 mm)	€ 943				
Line standard (Vision scale) QV 600 mm (61 stripes, pitch 10 mm)	€ 1403				
Line standard (Vision scale) HQV 200 mm (21 stripes, pitch 10 mm) <i>low expansion</i>	€ 483				
Line standard (Vision scale) HQV 300 mm (31 stripes, pitch 10 mm) <i>low expansion</i>	€ 713				
Line standard (Vision scale) HQV 400 mm (41 stripes, pitch 10 mm) <i>low expansion</i>	€ 943				
Line standard (Vision scale) HQV 200 mm (41 stripes, pitch 5 mm) <i>ISO 10360-7 low expansion</i>	€ 943				
Line standard (Vision scale) HQV 300 mm (61 stripes, pitch 5 mm) <i>ISO 10360-7 low expansion</i>	€ 1403				
Line standard (Vision scale) HQV 440 mm (89 stripes, pitch 5 mm) <i>ISO 10360-7 low expansion</i>	€ 2047				
Line standard (Vision scale) HQV 650 mm (131 stripes, pitch 5 mm) <i>ISO 10360-7 low expansion</i>	€ 3013				
2-D grids 200x200 mm pitch 10 mm (21 mp x-as, 21 mp, Y-as)	€ 966				
QV calibration chart 001	€ 509		like 02AKN020 	U(k = 2)	0,24 µm

QV calibration chart 009 ISO 10360-7	€ 2000		like 02AKX160 	U(k = 2)	0,24 μm + 2,0.10 ⁻⁶ .l voor de scales 0,04 μm for RONt
FMI					
Straightedges till 280mm on Roundtest with reversal method (low uncertainty)	€ 321			U(k = 2)	38nm + 3,5%.z
Straightedges till 1000 mm on CMM with autocollimator (low uncertainty)	€ 428			U(k = 2)	36 nm + 0,12·10 ⁻⁶ .l
Hemisphere with reversal or multi-step method	€ 428		like 211-016 	U(k = 2) RONt (0-1 μm)	10nm + 2%.RONt
Flick standard	€ 321			U(k = 2) RONt (0-100 μm)	150nm + 2%.RONt
Roughness specimen, depth standards	€ 214		Type A1 Step standards	Type A2 Groove Depth-setting standards	
			like 178-611 & 178-610 	like Halle standards 	
				U(k = 2)	d (0-20 μm): 10 nm + 2%.d Pt (0-20 μm): 10 nm + 2%.Pt

Roughness specimen, 1 profile	€ 270		<p>Type B (tip control) & C (vertical / horizontal spacing & amplitude) sine waves or saw-tooth</p> <p>like Mitutoyo: 178-601 (mm) & 178-602 (inch/mm)</p> <p>Rubert: 178-605 (mm) & 178-606 (inch/mm)</p> 	<p>Type D1 roughness standards fine, middle, large</p> <p>like Halle standards</p>	
Roughness specimen, 2 profiles	€ 540		<p>Type B & C sine waves</p>	<p>U(k = 2)</p> <p>Ra (0-20 µm): 3 nm + 3%.Ra Rz (0-80 µm): 30 nm + 2%.Rz Rt (0-80 µm): 40 nm + 3%.Rt Rsm (10-250 µm): 0.1%.Rsm</p> <p>special request: Rsm (10-250 µm): 0.01%.Rsm</p>	
			<p>like 178-604</p> 		
X-axis contour normaal	€ 500			<p>U(k = 2)</p>	<p>0,24 µm + 0,16.10⁻⁶.l</p>
Temperature					
Temperature sensors	€ 107				<p>0,03 K</p>