
















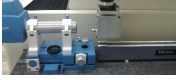




**Price list, Calibration of references/standards/masters**

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

Contact via Customer Portal  
[info.mitutoyo.nl](mailto:info.mitutoyo.nl)

Gauge blocks >100-1500mm	€ 158		U(k = 2)	Steel/Ceramic: 0,10 µm + 0,34.10 <sup>-6</sup> / Zero glass: 0,10 µm + 0,20.10 <sup>-6</sup> /
Micrometer standards (Setting Rods) ≤ 500mm	€ 42		U(k = 2)	Steel: 0,10 µm + 0,50.10 <sup>-6</sup> /
Micrometer standards (Setting Rods) > 500mm ≤ 1500mm	€ 50			
Masterballs (0-30) diameter + roundness via double reversal	€ 198		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		U(k = 2)	Diameter: 0,2 µm Roundness: 40nm + 2%.RONt
Ring gauges (4-50) diameter + roundness	€ 289			
<b>CMM</b>				
Stepgauges 32 surfaces (310mm)	€ 672		U(k = 2)	0,16 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 46 surfaces (450mm)	€ 966			0,17 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 62 surfaces (610mm)	€ 1302			0,19 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 76 surfaces (750mm)	€ 1596			0,21 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 78 surfaces (770mm)	€ 1638			0,21 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 102 surfaces (1010mm)	€ 2142			0,24 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 116 surfaces (1150mm)	€ 2436			0,26 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 152 surfaces (1510mm)	€ 3192			0,30 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 18 surfaces (300mm) caliper checker 300	€ 378			0,16 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 24 surfaces (600mm) caliper checker 600	€ 504			0,19 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 26 surfaces (excl. 2 GB's) inside micrometer checker	€ 546			0,16 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 50 surfaces (excl. 2 GB's) inside micrometer checker	€ 1050			0,19 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 22 surfaces (250mm)	€ 462			0,15 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 30 surfaces (320mm)	€ 630			0,16 µm + 0,34.10 <sup>-6</sup> /
Stepgauge 38 surfaces (147mm) Kogame	€ 798			0,14 µm + 0,34.10 <sup>-6</sup> /
Stepgauge 40 surfaces (155mm) Kogame	€ 840			0,14 µm + 0,34.10 <sup>-6</sup> /
Stepgauge 20 surfaces (190mm) QV-TP	€ 420			0,14 µm + 0,34.10 <sup>-6</sup> /
Stepgauge 26 surfaces (250mm) QV-TP	€ 546			0,15 µm + 0,34.10 <sup>-6</sup> /
Stepgauge 32 surfaces (310mm) QV-TP	€ 672			0,16 µm + 0,34.10 <sup>-6</sup> /
Stepgauge 46 surfaces (450mm) QV-TP	€ 966			0,17 µm + 0,34.10 <sup>-6</sup> /
Stepgauge 66 surfaces (650mm) QV-TP	€ 1386			0,20 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 22 surfaces (210mm) KOBA (10 mm cylinders)	€ 462			0,17 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 22 surfaces (420mm) KOBA	€ 462			0,17 µm + 0,34.10 <sup>-6</sup> /
Stepgauges 32 surfaces (620mm) KOBA	€ 672	0,19 µm + 0,34.10 <sup>-6</sup> /		
Stepgauges 42 surfaces (820mm) KOBA	€ 882	0,21 µm + 0,34.10 <sup>-6</sup> /		
Stepgauges 52 surfaces (1020mm) KOBA	€ 1092	0,24 µm + 0,34.10 <sup>-6</sup> /		
Straightedges till 300mm	€ 146		U(k = 2)	1,5 µm
Straightedges till 500mm	€ 169			
Straightedges till 750mm	€ 191			
Straightedges till 1000mm	€ 213			
Block square, longest legg till 300mm	€ 191		U(k = 2)	1,5 µm for the straightness of the legs (0,5 m/L) for the angle deviation (=appr. 2,4µm/L)
Block square, longest legg till 500mm	€ 213			
Block square, longest legg till 750mm	€ 225			
Block square, longest legg till 1000mm	€ 247		U(k = 2)	1,5 µm for the straightness of the legs (0,5 m/L) for the angle deviation (=appr. 2,4µm/L)
Quadra square	€ 370			

Cube square	€ 561			U(k = 2)	1,5 µm for the straightness of the legs (0,5 m/L)* for the angle deviation (=appr. 2,4µm/L)			
<b>Optical</b>								
Glass Scale (Projector scale) 50 mm (11 stripes, pitch 5 mm)	€ 264			U(k = 2)	0,40 µm + 1,00.10 <sup>-6</sup> /l			
Glass Scale (Projector scale) 80 mm (17 stripes, pitch 5 mm)	€ 408							
Glass Scale (Projector scale) 100 mm (11 stripes, pitch 10 mm)	€ 264							
Glass Scale (Projector scale) 150 mm (16 stripes, pitch 10 mm)	€ 384							
Glass Scale (Projector scale) 200 mm (21 stripes, pitch 10 mm)	€ 504							
Glass Scale (Projector scale) 250 mm (26 stripes, pitch 10 mm)	€ 624							
Glass Scale (Projector scale) 300 mm (31 stripes, pitch 10 mm)	€ 744							
Glass Scale (Projector scale) 400 mm (41 stripes, pitch 10 mm)	€ 984							
Glass Scale (Projector scale) 500 mm (51 stripes, pitch 10 mm)	€ 1224							
Glass Scale (Projector scale) 600 mm (61 stripes, pitch 10 mm)	€ 1464							
Glass scale 250 mm, working standard (26 stripes, pitch 10 mm) low expansion	€ 624							
Glass scale 500 mm, working standard (51 stripes, pitch 10 mm) low expansion	€ 1224							
Motic calibration slide	€ 116						U(k = 2)	10 µm
<b>VMM</b>								
Line standard (Vision scale) QI 60 mm (13 stripes, pitch 5 mm)	€ 312			U(k = 2)	Normal glass: 0,08 µm + 1,00.10 <sup>-6</sup> /l Zero glass: 0,08 µm + 0,50.10 <sup>-6</sup> /l			
Line standard (Vision scale) QI 80 mm (17 stripes, pitch 5 mm)	€ 408							
Line standard (Vision scale) QI 105 mm (22 stripes, pitch 5 mm)	€ 528							
Line standard (Vision scale) QI 180 mm (37 stripes, pitch 5 mm)	€ 888							
Line standard (Vision scale) QI 205 mm (42 stripes, pitch 5 mm)	€ 1008							
Line standard (Vision scale) QI 305 mm (62 stripes, pitch 5 mm)	€ 1488							
Line standard (Vision scale) QI 380 mm (77 stripes, pitch 5 mm)	€ 1848							
Line standard (Vision scale) QI 405 mm (82 stripes, pitch 5 mm)	€ 1968							
Line standard (Vision scale) QS/QV 200 mm (21 stripes, pitch 10 mm)	€ 504							
Line standard (Vision scale) QS/QV 250 mm (26 stripes, pitch 10 mm)	€ 624							
Line standard (Vision scale) QS/QV 300 mm (31 stripes, pitch 10 mm)	€ 744							
Line standard (Vision scale) QS/QV 330 mm (34 stripes, pitch 10 mm)	€ 816							
Line standard (Vision scale) QS/QV 400 mm (41 stripes, pitch 10 mm)	€ 984							
Line standard (Vision scale) QV 600 mm (61 stripes, pitch 10 mm)	€ 1464							
Line standard (Vision scale) HQV 200 mm (21 stripes, pitch 10 mm) low expansion	€ 504							
Line standard (Vision scale) HQV 300 mm (31 stripes, pitch 10 mm) low expansion	€ 744							
Line standard (Vision scale) HQV 400 mm (41 stripes, pitch 10 mm) low expansion	€ 984							
Line standard (Vision scale) HQV 200 mm (41 stripes, pitch 5 mm) ISO 10360-7 low expansion	€ 984							
Line standard (Vision scale) HQV 300 mm (61 stripes, pitch 5 mm) ISO 10360-7 low expansion	€ 1464							
Line standard (Vision scale) HQV 440 mm (89 stripes, pitch 5 mm) ISO 10360-7 low expansion	€ 2136							
Line standard (Vision scale) HQV 650 mm (131 stripes, pitch 5 mm) ISO 10360-7 low expansion	€ 3144							
2-D grids 200x200 mm pitch 10 mm (21 mp x-as, 21 mp, Y-as)	€ 1008						U(k = 2) -afstand tussen 2 punten -lineariteit -rechtheid -haaksheid -rotatie	0,8 µm + 0,5.10 <sup>-6</sup> /l 0,2 µm + 0,5.10 <sup>-6</sup> /l 0,2 µm 0,2° 0,4°
QV calibration chart 001	€ 535	like 02AKN020					U(k = 2)	0,24 µm
QV calibration chart 009 ISO 10360-7	€ 2100	like 02AKX160		U(k = 2)	0,24 µm + 2,0.10 <sup>-6</sup> /l voor de scales 0,04 µm for RONt			
<b>FMI</b>								
Straightedges till 280mm on Roundtest with reversal method (low uncertainty)	€ 337			U(k = 2)	38nm + 3,5%.z			
Straightedges till 1000 mm on CMM with autocollimator (low uncertainty)	€ 449			U(k = 2)	36 nm + 0,12.10 <sup>-6</sup> /l			
Hemisphere with reversal or multi-step method	€ 449	like 211-016		U(k = 2) RONt (0-1 µm)	10nm + 2%.RONt			
Flick standard	€ 337			U(k = 2) RONt (0-100 µm)	150nm + 2%.RONt			
Roughness specimen, depth standards	€ 225	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	€ 284	<b>Type B (tip control) &amp; C (vertical / horizontal spacing &amp; amplitude)</b> sine waves or saw-tooth like Mitutoyo: 178-601 (mm) & 178-602 (inch/mm) Rubert: 178-605 (mm) & 178-606 (inch/mm) 	<b>Type D1</b> roughness standards fine, middle, large like Halle standards	
Roughness specimen, 2 profiles	€ 567	<b>Type B &amp; C</b> sine waves like 178-604 	U(k = 2)	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 special request: Rsm (10-250 μm): 0.01%.Rsm
X-axis contour normaal	€ 525		U(k = 2)	0,24 μm + 0,16.10 <sup>-6</sup> .l
<b>Temperature</b>				
Temperature sensors	€ 112			0,03 K