Internal micrometers / Internal & external measuring instruments

Accuracy of internal micrometers according DIN 863-4	
Measuring range (mm)	Max. permissible errors (μm)
3 - 10	4
10 - 50	4
50 - 100	5
100 - 150	6
150 - 200	7
200 - 250	8
250 - 300	9

Three-point internal micrometers

Three-point internal micrometers for quick and accurate measurement of internal dimensions, within a large measuring range.

- Measuring range: ø3.5 - 300 mm.
- Graduation: 0.001 mm (ø 3.5 - 12 mm),
  0.005 mm (ø12 - 300 mm).
- Self-centering.
- Tungsten carbide measuring faces.
- Sets are delivered incl. setting rings and extension (836.730 without extension).
- Setting rings are conform to factory standard.
- Delivery in a case.

836.708

836.718

836.745

Measuring head (measuring range) ø3.5 - 50 mm

ø50 - 100 mm

ø100 - 300 mm

ø100 - 300 mm

PRICE

004.202.QControl.20190702

Three-point internal micrometers (continued)

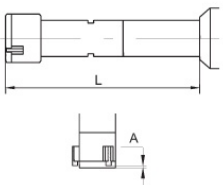
Item No.	Measuring range/mm	Accuracy mm	Length L/mm	Length A/mm	Price EUR
836.700	ø 3.5 - 4	±0.005	19	1.5	
836.701	ø 4.0 - 4.5	±0.005	19	1.5	
836.702	ø 4.5 - 5.5	±0.005	19	1.5	
836.703	ø 5.5 - 6.5	±0.005	19	1.5	
836.704	ø 6 - 8	±0.005	52	1.5	
836.705	ø 8 - 10	±0.005	52	1.5	
836.706	ø 10 - 12	±0.005	52	1.5	
836.707	ø 12 - 16	±0.005	71	1.5	
836.708	ø 16 - 20	±0.005	71	1.5	
836.709	ø 20 - 25	±0.005	82	1.5	
836.710	ø 25 - 30	±0.005	82	1.5	
836.711	ø 30 - 35	±0.005	84	1.5	
836.712	ø 35 - 40	±0.005	84	1.5	
836.713	ø 40 - 50	±0.006	100	1.5	
836.714	ø 50 - 60	±0.006	100	1.5	
836.715	ø 60 - 70	±0.006	100	1.5	
836.716	ø 70 - 80	±0.006	100	1.5	
836.717	ø 80 - 90	±0.006	100	1.5	
836.718	ø 90 - 100	±0.006	100	1.5	
836.719	ø 100 - 125	±0.008	110	16	
836.720	ø 125 - 150	±0.008	110	16	
836.721	ø 150 - 175	±0.008	110	16	
836.722	ø 175 - 200	±0.008	110	16	
836.723	ø 200 - 225	±0.012	110	16	
836.724	ø 225 - 250	±0.012	110	16	
836.725	ø 250 - 275	±0.012	110	16	
836.726	ø 275 - 300	±0.012	110	16	

QControl We Measure Quality

Extensions

Item No.	Extension mm	For measuring range/mm	Price EUR
836.780	100	ø 6 - 12	
836.782	150	ø 12 - 20	
836.784	150	ø 20 - 40	
836.786	150	ø 40 - 100	

Sets



Item No.	Measuring range/mm	Setting rings mm	Extension mm	Number of instruments	Price EUR
836.730*	ø 3.5 - 6.5	ø 4, 5.5	–	4	
836.735	ø 6 - 12	ø 8, 10	100	3	
836.740	ø 12 - 20	ø 16	150	2	
836.745	ø 20 - 40	ø 25, 35	150	4	
836.750	ø 40 - 100	ø 50, 70, 90	150	6	

* Without extension.

004.324.QControl.20190702

Three-point internal micrometers

Three-point internal micrometers, with factory measuring report, for accurately measuring (blind) bores.

- Measuring range: ø 6 - 300 mm.
- Self-centering.
- Tungsten carbide measuring faces (measuring range ø 6 - 12 mm: hardened steel).
- Separate instruments within measuring range ø 6 - 100 mm and the sets are delivered incl. setting ring(s) and extension.
- Setting rings are conform to factory standard.
- To ø 100 mm: implementation for blind bores. From ø 100 mm: implementation for through holes or blind bores.
- DIN 863: to ø 100 mm.
- Delivery in a case, with an inspection report.

Analog

- Graduation: 0.001 mm (ø 6 - 12 mm), 0.005 mm (ø 12 - 300 mm).

Digital

- Resolution: 0.001 mm.
- mm/inch conversion.
- On/off switch.
- Reset.
- Preset.
- Hold function.
- Protection: IP54.
- Power supply: 1 battery type V357.

909.811

NEW

909.832

Measuring head (measuring range) ø 6 - 50 mm

ø 50 - 100 mm

ø 100 - 175 mm

ø 175 - 300 mm

For blind bores

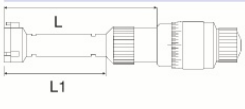
For through holes

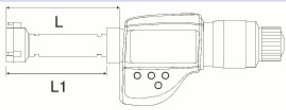
PRICE

QControl
We Measure Quality

004.318.QControl.20190702

Three-point internal micrometers (continued)





QControl We Measure Quality

PRICE

Item No.	Price EUR	Item No.	Price EUR	Measuring range/mm	Accuracy mm	L/mm	Length L/mm	A/mm
Analog (blind bores):		**Digital (blind bores):**				**Analog:** L1 L	**Digital:** L1 L	
909.807		909.828		ø 6- 8	±0.004	27 –	43 –	1
909.808		909.829		ø 8- 10	±0.004	50 –	43 –	1
909.809		909.830		ø 10- 12	±0.004	50 –	43 –	1
909.810		909.831		ø 12- 16	±0.004	50 –	45 –	0.4
909.811		909.832		ø 16- 20	±0.004	50 –	45 –	0.4
909.812		909.833		ø 20- 25	±0.004	– 80	53 –	0.4
909.813		909.834		ø 25- 30	±0.004	– 80	53 –	0.4
909.814		909.835		ø 30- 40	±0.004	– 90	– 80	0.4
909.815		909.836		ø 40- 50	±0.005	– 90	– 80	0.4
909.816		909.837		ø 50- 63	±0.005	– 100	– 80	0.5
909.817		909.838		ø 62- 75	±0.005	– 100	– 80	0.5
909.818		909.839		ø 75- 88	±0.005	– 100	– 80	0.5
909.819		909.840		ø 87-100	±0.005	– 100	– 80	0.5
910.150		910.158		ø100-125	±0.008	– 140	– 140	0.5
910.151		910.159		ø125-150	±0.008	– 140	– 140	0.5
910.152		910.160		ø150-175	±0.008	– 140	– 140	0.5
910.153		910.161		ø175-200	±0.008	– 140	– 140	0.5
910.154		910.162		ø200-225	±0.008	– 140	– 140	0.5
910.155		910.163		ø225-250	±0.008	– 140	– 140	0.5
910.156		910.164		ø250-275	±0.008	– 140	– 140	0.5
910.157		910.165		ø275-300	±0.008	– 140	– 140	0.5
Analog (through holes):		**Digital (through holes):**				**Analog:** L1 L	**Digital:** L1 L	
909.820		909.841		ø100-125	±0.008	– 140	– 140	20
909.821		909.842		ø125-150	±0.008	– 140	– 140	20
909.822		909.843		ø150-175	±0.008	– 140	– 140	20
909.823		909.844		ø175-200	±0.008	– 140	– 140	20
909.824		909.845		ø200-225	±0.008	– 140	– 140	20
909.825		909.846		ø225-250	±0.008	– 140	– 140	20
909.826		909.847		ø250-275	±0.008	– 140	– 140	20
909.827		909.848		ø275-300	±0.008	– 140	– 140	20

Sets

Item No.	Price EUR	Item No.	Price EUR	Measuring range/mm	Setting rings ø/mm	Extension mm	Number of instruments
Analog:		**Digital:**					
909.849		909.853		ø 6- 12	8, 10	50	3
909.850		909.854		ø12- 20	16	100	2
909.851		909.855		ø20- 50	25, 40	150	4
909.852		909.856		ø50-100	62, 87	150	4

PRICE

Options

Item No.	Description	Price EUR
836.535	Spare battery	
For meas. range ø100-300 mm:		
909.857	Extension with length 150 mm	

NEW

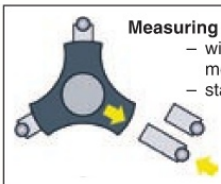
909.850

C04.323.QControl.20190702

Three-point internal micrometers

Three-point internal micrometers for accurately measuring (blind) bores.

- Measuring range: ø 6 - 300 mm.
- Graduation: 0.001 mm (ø 6 - 12 mm),
  0.005 mm (ø 12 - 300 mm).
- Self-centering.
- Tungsten carbide measuring faces.
- Interchangeable measuring bolts from measuring range ø 100 - 125 mm.
- Delivery in a case, incl. extension 150 mm (measuring range ø 6 - 12 mm: 100 mm).
- Separate instruments within measuring range ø 6 - 100 mm and the sets are delivered incl. setting ring(s).
- Setting rings are conform to factory standard.



Measuring heads > ø 100 mm:
– with interchangeable measuring bolts,
– star-shaped.

908.654

908.662

Measuring head (measuring range) ø 6 - 50 mm

ø 50 - 100 mm

ø 100 - 300 mm

For blind bores

004.203.QControl.20190702

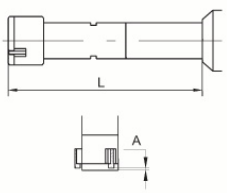
Three-point internal micrometers (continued)

908.672

Per piece

Item No.	Measuring range/mm	Setting ring ø/mm	Accuracy mm	Length L/mm	Length A/mm	Price EUR
908.650	ø 6 - 8	6	±0.004	54.5	0.7	
908.651	ø 8 - 10	8	±0.004	54.5	0.7	
908.652	ø 10 - 12	10	±0.004	54.5	0.7	
908.653	ø 12 - 16	16	±0.004	80	0.7	
908.654	ø 16 - 20	16	±0.004	80	0.7	
908.655	ø 20 - 25	25	±0.004	90	0.7	
908.656	ø 25 - 30	25	±0.004	90	0.7	
908.657	ø 30 - 40	40	±0.004	97	0.7	
908.658	ø 40 - 50	40	±0.005	97	0.7	
908.659	ø 50 - 63	62	±0.005	114	0.7	
908.660	ø 62 - 75	62	±0.005	114	0.7	
908.661	ø 75 - 88	87	±0.005	114	0.7	
908.662	ø 87 - 100	87	±0.005	114	0.7	
908.663	ø 100 - 125	–	±0.005	145	0.7	
908.664	ø 125 - 150	–	±0.005	145	0.7	
908.665	ø 150 - 175	–	±0.005	145	0.7	
908.666	ø 175 - 200	–	±0.005	145	0.7	
908.667	ø 200 - 225	–	±0.007	145	0.7	
908.668	ø 225 - 250	–	±0.007	145	0.7	
908.669	ø 250 - 275	–	±0.007	145	0.7	
908.670	ø 275 - 300	–	±0.007	145	0.7	

Sets



Item No.	Measuring range/mm	Setting rings ø/mm	Extension mm	Number of instruments	Price EUR
908.671	ø 6 - 12	6, 8, 10	100	3	
908.672	ø 12 - 20	16	150	2	
908.673	ø 20 - 50	25, 40	150	4	
908.674	ø 50 - 100	62, 87	150	4	

004.325.QControl.20190702

Digital three-point internal micrometers IP65

Digital three-point internal micrometers with a resolution of 0.001 mm for accurately measuring (blind) bores. These micrometers have several functions, and combined with the accurate read-out this results in a favourable price-performance ratio.

- Measuring range: ø6 - 300 mm.
- Resolution: 0.001 mm.
- mm/inch conversion.
- ABS/INC switchable.
- On/off switch.
- Automatic switch-off.
- Reset/preset.
- Self-centering.
- Tungsten carbide measuring faces.
- Complete measuring range without changing the measuring bolts.
- Protection: IP65.
- Delivery in a case, incl. extension 150 mm (measuring range ø6 - 12 mm: 100 mm).
- Separate instruments within measuring range ø6 - 100 mm and the sets are delivered incl. setting ring(s) (conforms to factory standard).
- Power supply: 1 battery type V357.

910.125

NEW

910.119

QControl
We Measure Quality

Measuring head (measuring range) ø6 - 50 mm

ø50 - 100 mm

ø100 - 300 mm

For blind bores

PRICE

004.322.QControl.20190702

Digital three-point internal micrometers IP65 (continued)

NEW

910.134

QControl We Measure Quality

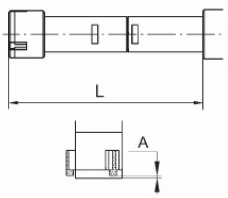
PRICE

Per piece

Item No.	Measuring range/mm	Setting ring ø/mm	Accuracy mm	Length L/mm	Length A/mm	Price EUR
910.113	ø 6 - 8	6	±0.004	54.5	0.7	
910.114	ø 8 - 10	8	±0.004	54.5	0.7	
910.115	ø 10 - 12	10	±0.004	54.5	0.7	
910.116	ø 12 - 16	16	±0.004	80	0.7	
910.117	ø 16 - 20	16	±0.004	80	0.7	
910.118	ø 20 - 25	25	±0.004	90	0.7	
910.119	ø 25 - 30	25	±0.004	90	0.7	
910.120	ø 30 - 40	40	±0.004	97	0.7	
910.121	ø 40 - 50	40	±0.005	97	0.7	
910.122	ø 50 - 63	62	±0.005	114	0.7	
910.123	ø 62 - 75	62	±0.005	114	0.7	
910.124	ø 75 - 88	87	±0.005	114	0.7	
910.125	ø 87 - 100	87	±0.005	114	0.7	
910.126	ø 100 - 125	100	±0.005	150	0.7	
910.127	ø 125 - 150	150	±0.005	150	0.7	
910.128	ø 150 - 175	150	±0.005	150	0.7	
910.129	ø 175 - 200	200	±0.005	150	0.7	
910.130	ø 200 - 225	200	±0.007	150	0.7	
910.131	ø 225 - 250	250	±0.007	150	0.7	
910.132	ø 250 - 275	250	±0.007	150	0.7	
910.133	ø 275 - 300	275	±0.007	150	0.7	

Option:
836.535 Spare battery

Sets



Item No.	Measuring range/mm	Setting rings ø/mm	Extension mm	Number of instruments	Price EUR
910.134	ø 6 - 12	6, 8, 10	100	3	
910.135	ø 12 - 20	16	150	2	
910.136	ø 20 - 50	25, 40	150	4	
910.137	ø 50 - 100	62, 87	150	4	

004.326.QControl.20190702

Digital three-point internal micrometers

Digital three-point internal micrometers with a resolution of 0.001 mm for accurately measuring (blind) bores. These micrometers have several functions, and combined with the accurate read-out this results in a favourable price-performance ratio.

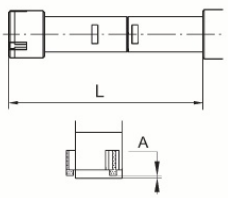
Measuring heads > ø100 mm:
– with interchangeable measuring bolts,
– star-shaped.

QControl We Measure Quality

- Measuring range: ø6 - 300 mm.
- Resolution: 0.001 mm.
- mm/inch conversion.
- ABS/INC switchable.
- On/off switch.
- Automatic switch-off.
- Reset/preset.
- Self-centering.
- Tungsten carbide measuring faces.
- Interchangeable measuring bolts from measuring range ø100 - 125 mm.
- Protection: IP54.
- Delivery in a case, incl. extension 150 mm (measuring range ø6 - 12 mm: 100 mm).
- Separate instruments within measuring range ø6 - 100 mm and the sets are delivered incl. setting ring(s) (conforms to factory standard).
- Power supply: 1 battery type V357.

Item No.	Measuring range/mm	Setting ring ø/mm	Accuracy mm	Length L/mm	Length A/mm	Price EUR
906.886	ø 6 - 8	6	±0.004	54.5	0.7	
906.887	ø 8 - 10	8	±0.004	54.5	0.7	
906.888	ø 10 - 12	10	±0.004	54.5	0.7	
906.889	ø 12 - 16	16	±0.004	80	0.7	
906.890	ø 16 - 20	16	±0.004	80	0.7	
906.891	ø 20 - 25	25	±0.004	90	0.7	
906.892	ø 25 - 30	25	±0.004	90	0.7	
906.893	ø 30 - 40	40	±0.004	97	0.7	
906.894	ø 40 - 50	40	±0.005	97	0.7	
906.895	ø 50 - 63	62	±0.005	114	0.7	
906.896	ø 62 - 75	62	±0.005	114	0.7	
906.897	ø 75 - 88	87	±0.005	114	0.7	
906.898	ø 87 - 100	87	±0.005	114	0.7	
906.899	ø100 - 125	–	±0.005	145	0.7	
908.675	ø125 - 150	–	±0.005	145	0.7	
908.676	ø150 - 175	–	±0.005	145	0.7	
908.677	ø175 - 200	–	±0.005	145	0.7	
908.678	ø200 - 225	–	±0.007	145	0.7	
908.679	ø225 - 250	–	±0.007	145	0.7	
908.680	ø250 - 275	–	±0.007	145	0.7	
908.681	ø275 - 300	–	±0.007	145	0.7	

Option:
836.535 Spare battery



Item No.	Measuring range/mm	Setting rings ø/mm	Extension mm	Number of instruments	Price EUR
906.900	ø 6 - 12	6, 8, 10	100	3	
906.901	ø12 - 20	16	150	2	
906.902	ø20 - 50	25, 40	150	4	
906.903	ø50 - 100	62, 87	150	4	

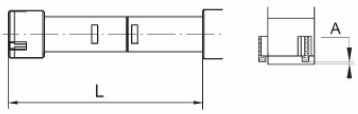
004.271.QControl.20190702

Digital three-point internal micrometers

Digital three-point internal micrometers with a large measuring range. With optional extensions also for measuring in deep (blind) bores.

- Measuring range: ø50 - 300 mm.
- Max. measuring depth: 1100 mm.
- Resolution: 0.001 mm.
- mm/inch conversion.
- ABS/INC switchable.
- On/off switch.
- Automatic switch-off.
- Reset/preset.
- Self-centering.
- Tungsten carbide measuring faces.
- Protection: IP54.
- Delivery in a case, incl. extension 150 mm.
- Separate instruments within measuring range ø50 - 100 mm and the sets are delivered incl. setting ring(s).
- Setting rings are conform to factory standard.
- Power supply: 1 battery type V357.

QControl We Measure Quality



Extensions

Item No.	Extension mm	Price EUR
906.227	150	
906.228	500	
906.229	1000	

Item No.	Measuring range/mm	Setting ring ø/mm	Accuracy mm	Length L/mm	Length A/mm	Price EUR
906.904	ø 50 - 70	50	±0.004	107	0.5	
906.905	ø 70 - 100	70	±0.004	107	0.5	
906.906	ø100 - 150	–	±0.005	107	0.5	
906.907	ø150 - 250	–	±0.007	107	0.5	
906.908	ø200 - 300	–	±0.007	107	0.5	

Item No.	Measuring range/mm	Setting ring ø/mm	Number of instruments	Price EUR
906.909	ø 50 - 100	70	2	
906.910	ø100 - 250	150	2	

Option

Item No.	Description	Price EUR
836.535	Spare battery	

004.278.QControl.20190702

Digital three-point internal micrometers up to 1000 mm

Digital three-point internal micrometers with a large measuring range. With optional extensions also for measuring in deep bores.

- Measuring range: ø200 - 1000 mm.
- Resolution: 0.001 mm.
- mm/inch conversion.
- ABS/INC switchable.
- On/off switch.
- Automatic switch-off.
- Reset/preset.
- Self-centering.
- Tungsten carbide measuring faces.
- Protection: IP54.
- Delivered incl. setting ring.
- Power supply: 1 battery type V357.

907.787

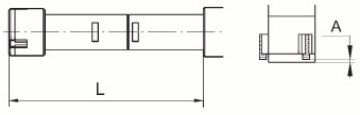
With interchangeable measuring bolts

The measuring range is extra large because of the interchangeable measuring bolts. The high accuracy of the measuring bolts enables exchanging without recalibrating the read-out.

- Max. measuring depth:
  907.787: 750 mm,
  907.788: 1750 mm.
- Accuracy:
  $\pm(1+0.02\,L)$ µm (L in mm).
- Delivery in a case, incl. extensions and setting ring.

QControl We Measure Quality

Item No.	Measuring range/mm	Setting ring ø/mm	Length L/mm	Length A/mm	Extensions mm	Price EUR
907.787	ø200 - 500	200	105	0.5	150, 500	
907.788	ø200 - 1000	200	105	0.5	150, 500, 1000	



Option

Item No.	Description	Price EUR
836.535	Spare battery	

Extensions

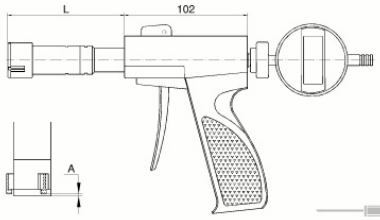
Item No.	Extension mm	Price EUR
906.227	150	
906.228	500	
906.229	1000	

004.320.QControl.20190702

Three-point internal micrometers

Three-point internal micrometers with a clever pistol-shaped base instrument for quick, easy and accurate measurements of internal measures such as (blind) bores. Easy single handed operation for both right and left handed use. Available as single instruments and as sets, with setting ring(s) and extension.

- Measuring range: ø6 - 100 mm.
- Measuring depth: 0 - 270 mm.
- Read-out depends on the type of dial indicator or measuring probe.
- Clamping shaft: ø8 mm.
- Self-centering.
- Excl. dial indicator or measuring probe.
- Tungsten carbide measuring faces.
- Setting rings are conform to factory standard.
- Delivery in a case.



QControl
We Measure Quality

Separate instruments

Item No.	Measuring range/mm	Accuracy mm[1]	Setting ring ø/mm	Extension mm	Length/mm L	A	Price EUR
907.770	ø 6 - 8	±0.004	8	100	50	2	
907.771	ø 8 - 10	±0.004	8	100	50	2	
907.772	ø10 - 12	±0.004	10	100	50	2	
907.773	ø12 - 16	±0.004	16	150	65	0.5	
907.774	ø16 - 20	±0.004	16	150	65	0.5	
907.775	ø20 - 25	±0.004	25	150	91	0.5	
907.776	ø25 - 30	±0.004	25	150	91	0.5	
907.777	ø30 - 40	±0.004	40	150	97	0.5	
907.778	ø40 - 50	±0.005	40	150	97	0.5	
907.779	ø50 - 63	±0.005	62	150	112	0.5	
907.780	ø62 - 75	±0.005	62	150	112	0.5	
907.781	ø75 - 88	±0.005	87	150	112	0.5	
907.782	ø87 - 100	±0.005	87	150	112	0.5	

[1] Excl. accuracy of dial indicator or measuring probe.

Sets

Item No.	Measuring range/mm	Setting ring(s) ø/mm	Number of pistol grips	Extension mm	Price EUR
907.783	ø 6 - 12	8, 10	1	100	
907.784	ø12 - 20	16	1	150	
907.785	ø20 - 50	25, 40	2	150	
907.786	ø50 - 100	62, 87	1	150	

004.302.QControl.20190702

Internal measuring instruments

- Measuring range: 6 - 450 mm.
- Read-out depends on the type of dial indicator.
- Incl. standard dial indicator 0 - 3 mm / 0.01 mm.
- Clamping shaft: ø 8 mm.
- Self-centering (except 907.230).
- Interchangeable measuring inserts with tungsten carbide stylus tip (907.230 with spherical measuring face).
- Also suitable for various dial indicators from e.g. Mitutoyo, TESA, Käfer and Peacock with clamping stem ø 8 mm.

Item No.	Measuring range/mm	Measuring depth/mm	Price EUR
907.230	6 - 10	40	
907.231	10 - 18	100	
907.232	18 - 35	125	
907.233	35 - 50	150	
907.235	50 - 160	150	
907.236	160 - 250	400	
907.237	250 - 450	400	

907.235 + 907.933

QControl We Measure Quality

Optional dial indicators

Item No.	Measuring range/mm	Read-out mm	Accuracy mm	Price EUR
Analog:				
907.933	0 - 10	0.01	–	
Digital (with determination of the reversal point):				
909.250	0 - 12.5	0.002	±0.015	
909.251	0 - 12.5	0.001	±0.006	
910.004	0 - 12.7	0.001	±0.004	

909.250/251

910.004

004.303.QControl.20190702

Peacock internal measuring instruments

- Measuring range: 6 - 400 mm.
- Read-out depends on the type of dial indicator.
- Clamping shaft: ø 8 mm.
- Self-centering.
- Interchangeable measuring inserts with tungsten carbide stylus tip.
- Also suitable for various dial indicators from e.g. Mitutoyo, TESA and Käfer with clamping stem ø 8 mm.

855.160

855.507

Item No.	Measuring range/mm	Measuring depth/mm	Price EUR
855.010	6 - 10	50	
855.018	10 - 18	100	
855.035	18 - 35	150	
855.060	35 - 60	150	
855.150	50 - 150	150	
855.160	100 - 160	250	
855.250	160 - 250	250	
855.260	250 - 400	400	
Option:			
855.507	Peacock dial indicator 0 - 10 mm, graduation 0.01 mm		

004.224.QControl.20190702

Setting instrument for internal measuring instruments

This instrument offers you the best way to accurately zero-set your internal measuring instruments with dial indicator. Gauge blocks are used to set the exact reference value. The special receiver assures that the centering device of the micrometer also functions when in use on this instrument, making the checking just as easy as measuring.

- Adjustment range: 18 - 400 mm.
- The setting instrument consists of a stand with double guidance and a flat measuring jaw.
- Excl. gauge blocks.
- Delivery in a case.

Item No.	Adjustment range/mm	Price EUR
907.877	18 - 400	

Setting gauges for inside micrometers

Used for setting of inside micrometers.

- Measuring range: 0 - 275 mm.

910.005

Item No.	Length mm	Accuracy mm	Parallelism mm	Price EUR
910.005	50	±0.003	0.003	
910.006	75	±0.004	0.004	
910.007	100	±0.005	0.005	
910.008	150	±0.005	0.005	
910.009	200	±0.005	0.005	
910.010	250	±0.005	0.005	
910.011	275	±0.005	0.005	

QControl We Measure Quality

004.226.QControl.20190702

Stick micrometers

- Measuring range: 50 - 600 mm.
- Graduation: 0.01 mm.
- Locking screw (except 906.078).
- Spherical tungsten carbide measuring faces: ø 8 x 8 mm (906.078/079: ø 9 x 2.5 mm).
- With insulating grips (only 906.083 - 906.099).
- Excl. setting gauge.

906.080

906.096

QControl
We Measure Quality

PRICE

Item No.	Measuring range/mm	Accuracy mm	Price EUR
906.078	50 - 75	±0.006	
906.079	75 - 100	±0.006	
906.080	100 - 125	±0.006	
906.081	125 - 150	±0.008	
906.082	150 - 175	±0.008	
906.083	175 - 200	±0.008	
906.084	200 - 225	±0.009	
906.085	225 - 250	±0.009	
906.086	250 - 275	±0.009	
906.087	275 - 300	±0.009	
906.088	300 - 325	±0.009	

Item No.	Measuring range/mm	Accuracy mm	Price EUR
906.089	325 - 350	±0.009	
906.090	350 - 375	±0.010	
906.091	375 - 400	±0.010	
906.092	400 - 425	±0.010	
906.093	425 - 450	±0.010	
906.094	450 - 475	±0.011	
906.095	475 - 500	±0.011	
906.096	500 - 525	±0.011	
906.097	525 - 550	±0.011	
906.098	550 - 575	±0.011	
906.099	575 - 600	±0.011	

004.227.QControl.20190702

Stick micrometer sets

- Measuring range: 50 - 5000 mm.
- Measuring range micrometer:
  906.911 - 906.917: 50 - 63 mm,
  906.918: 150 - 175 mm,
  906.919 - 906.923: 1000 - 1050 mm.
- Graduation: 0.01 mm.
- Accuracy:
  906.911 - 906.918: ±(3 + *n* + *L*/50) µm,
  906.919 - 906.923: ±(7 + *n* + *L*/50) µm
  (*n* = number of extensions,
  L = max. measuring length in mm).
- Locking screw.
- Spherical tungsten carbide measuring faces.
- With insulating grips
  (only 906.918 - 906.923).
- External diameter micrometer/extensions:
  906.911 - 906.917: 15.5 mm,
  906.918: 22 mm,
  906.919 - 906.923: 28 mm.
- Incl. setting gauge
  (only 906.911 - 917: 50 mm,
  906.918: 150 mm).
- Delivery in a case.

906.918

QControl We Measure Quality

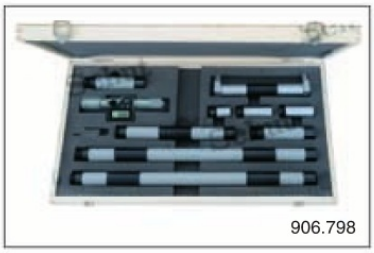
Item No.	Measuring range/mm	Number of extensions	Price EUR
906.911*	50 - 63	–	
906.912	50 - 100	2	
906.913	50 - 150	3	
906.914	50 - 300	5	
906.915	50 - 500	6	
906.916	50 - 1000	8	
906.917	50 - 1500	10	
906.918	150 - 2000	9	
906.919*	1000 - 1050	–	
906.920	1000 - 2000	5	
906.921	1000 - 3000	6	
906.922	1000 - 4000	7	
906.923	1000 - 5000	8	

* Single instrument (without extensions).

Digital stick micrometer sets

- Measuring range: 150 - 2000 mm.
- Measuring range micrometer: 150 - 175 mm.
- Resolution: 0.001 mm.
- Locking screw.
- Spherical tungsten carbide measuring faces.
- With insulating grips
  (only 906.797 - 906.799).
- External diameter micrometer/extensions:
  22 mm.
- Incl. setting gauge: 150 mm.
- Delivery in a case.

906.796


906.798

Item No.	Measuring range/mm	Number of extensions	Accuracy µm	Price EUR
906.796*	150 - 175	–	6.5	
906.797	150 - 1000	6	29	
906.798	150 - 1500	8	41	
906.799	150 - 2000	9	52	

* Single instrument (without extensions).

004.321.QControl.20190702

Inside micrometers with interchangeable anvils

Screw thread micrometers for internal measurements of pitch diameters. The interchangeable anvils allow measurements of several kinds of screw thread.

- Measuring range: 75 - 300 mm.
- Graduation: 0.01 mm.
- Insert shaft: ø5 mm.
- Delivery incl. setting gauge for metric thread, 60° flank angle.

Item No.	Measuring range/mm	Accuracy mm	Price EUR
Inside micrometers without inserts:			
906.924	75 - 100	±0.025	
906.925	100 - 125	±0.028	
906.926	125 - 150	±0.030	
906.927	150 - 175	±0.033	
906.928	175 - 200	±0.035	
906.929	200 - 225	±0.038	
906.930	225 - 250	±0.040	
906.931	250 - 275	±0.043	
906.932	275 - 300	±0.045	

Item No.	Threads per inch	Price EUR
Inserts for Whitworth threads, 55° flank angle, per pair:		
906.940	60 - 48	
906.941	48 - 40	
906.942	40 - 32	
906.944	32 - 24	
906.945	24 - 18	
906.946	18 - 14	
906.947	14 - 10	
906.948	10 - 7	
906.949	7 - 4.5	
906.950	4.5 - 3.5	
906.951	Set 60 - 3.5	

Item No.	Pitch/mm	Price EUR
Inserts for metric threads, 60° flank angle, per pair:		
906.933	0.4 - 0.5	
906.934	0.6 - 0.9	
906.935	1 - 1.75	
906.936	2 - 3	
906.937	3.5 - 5	
906.938	5.5 - 7	
906.939	Set 0.4 - 7	

Item No.	Threads per inch	Price EUR
Inserts for UN, UNC and UNF threads, 60° flank angle, per pair:		
906.952	64 - 48	
906.953	44 - 28	
906.954	24 - 14	
906.955	13 - 9	
906.956	8 - 5	
906.957	4.5 - 3.5	
906.958	Set 64 - 3.5	

004.282.QControl.20190702

Internal micrometers

Internal micrometers with special measuring jaws for measurements in hard-to-reach places.

- Measuring range: 5 - 200 mm.
- Analog: graduation 0.01 mm, digital: resolution 0.001 mm.
- Tungsten carbide cylindrical measuring faces.
- Internal micrometers within measuring range 5 - 50 mm are delivered incl. setting ring.
- Delivery in a case.

Analog

- No-glare chrome finished design.

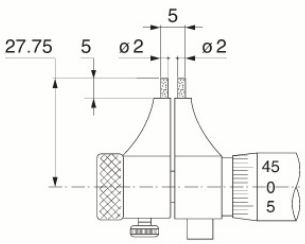
Digital

- mm/inch conversion.
- ABS/INC switchable.
- Automatic switch-off.
- Reset/preset.
- Power supply: 1 battery type V357.

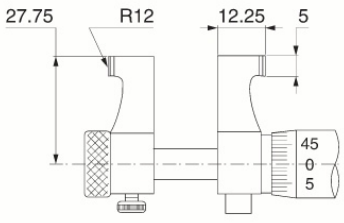
906.509

909.974

QControl We Measure Quality



906.509 / 909.974



906.510-533 / 909.975-981

906.510-533 / 909.975-981

PRICE

Item No.	Measuring range/mm	Accuracy mm	Price EUR
Analog:			
906.509	5 - 30	±0.005	
906.510	25 - 50	±0.006	
906.511	50 - 75	±0.007	
906.512	75 - 100	±0.008	
906.530	100 - 125	±0.009	
906.531	125 - 150	±0.009	
906.532	150 - 175	±0.010	
906.533	175 - 200	±0.010	
Digital:			
909.974	5 - 30	±0.005	
909.975	25 - 50	±0.006	
909.976	50 - 75	±0.007	
909.977	75 - 100	±0.008	
909.978	100 - 125	±0.009	
909.979	125 - 150	±0.009	
909.980	150 - 175	±0.010	
909.981	175 - 200	±0.010	
Option:			
836.535	Spare battery		

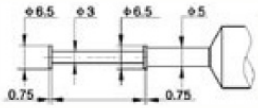
004.274.QControl.20190702

Groove micrometers

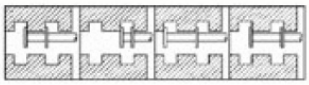
Micrometers for measuring e.g. steps in bores and internal cross grooves. With double graduation for internal and external measurements. By means of the disk-shaped measuring faces the wide, depth and location of grooves in bores can be determined.

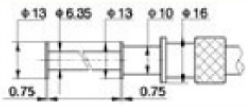
- Measuring range:
  external measuring: 0 - 100 mm,
  internal measuring: 1.6 - 101.5 mm.
- Graduation: 0.01 mm.
- Accuracy: ±0.01 mm.
- Diameter measuring faces:
  907.137: 6.5 mm,
  907.138 - 907.141: 13 mm.
- Double graduation.

907.137

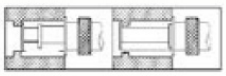


907.137





907.138 - 141



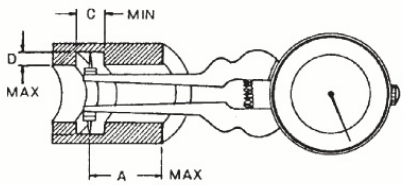
Item No.	Ext. measuring range/mm	Int. measuring range/mm	Price EUR
907.137	0 - 25	1.6 - 26.5	
907.138	0 - 25	1.6 - 26.5	
907.139	25 - 50	26.5 - 51.5	
907.140	50 - 75	51.5 - 76.5	
907.141	75 - 100	76.5 - 101.5	

Two-point internal measuring instruments

- Measuring range: 20 - 150 mm.
- Graduation: 0.01 mm.
- Interchangeable measuring inserts.
- Delivery in a case with an measuring inserts.

855.502

Item No.	Measuring range/mm	A_{max} mm	C_{min} mm	D_{max} mm	Price EUR
855.501	20 - 34	60	2	3	
855.502	30 - 60	75	2.5	5	
855.503	55 - 150	90	4	9	



004.281.QControl.20190702

Diatest crankshaft meters

- Measuring range: 45 - 500 mm.
- Graduation: 0.01 mm.
- Rotatable dial.
- Delivery with dial indicator, counter-weight and extensions in a case.

Item No.	Measuring range/mm	Price EUR
831.469	45 - 150	
831.470	60 - 300	
831.471	60 - 500	

Options:

831.472 Separate dial indicator for 831.469
831.473 Counterweight for 831.469
831.474 Separate dial indicator for 831.470 and 831.471
831.475 Counterweight for 831.470 and 831.471

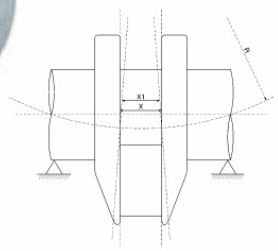
QControl We Measure Quality

Crankshaft meters

- Measuring range: 60 - 500 mm.
- Graduation: 0.01 mm.
- Rotatable dial.
- Delivery with dial indicator, counter-weight and extensions in a case.

907.919

907.917



PRICE

Item No.	Measuring range/mm	Price EUR
907.918	60 - 300	
907.919	60 - 500	

Option:

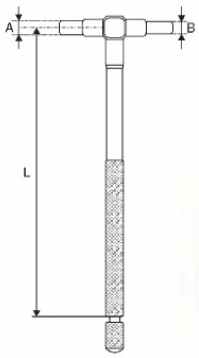
907.917 Separate dial indicator

004.229.QControl.20190702

Telescopic gauges

In places that are hard to reach with standard measuring instruments, you can use these telescopic gauges. The spring gauge is put into the bore, centers itself, after that you can turn on the locking screw. Then the gauge is pulled out and you can measure the result, for instance with a micrometer.

- Measuring range: 8 - 150 mm.
- Chrome finished.



Individual gauges

Item No.	Measuring range/mm	Dimensions/mm L	A	B	Price EUR
906.604	8 - 12.7	102	4	3	
906.605	12.7 - 19	102	5	4	
906.606	19 - 32	102	5	4	
906.607	32 - 54	127	7.5	6	
906.608	54 - 90	127	7.5	6	
906.609	90 - 150	127	7.5	6	

Set of gauges

Item No.	Measuring range/mm	Price EUR
906.610	8 - 150	

Plug gauges for small bores (blind/through)

Ideal for measuring of small bores (blind and through) and grooves. The spring gauge is put into the bore, centers itself, after that you can turn on the locking screw. Then the gauge is pulled out and you can measure the result, for instance with a micrometer. Seperate set for blind bores and through bores.

- Measuring range: 3 - 13 mm (4 gauges: 3 - 5 mm, 5 - 7.5 mm, 7.5 - 10 mm and 10 - 13 mm).
- Chrome finished.

907.747

907.748

Set of gauges

Item No.	Description	Price EUR
907.747	For blind bores	
907.748	For through bores	

004.236.QControl.20190702

Digital internal measuring instrument

- Measuring range: 12.7 - 170 mm.
- Resolution: 0.1 mm.
- Accuracy: ±0.2 mm.
- mm/inch conversion.
- On/off switch.
- Automatic switch-off.
- Reset.
- Hold function.
- Locking screw.
- Power supply: 1 battery type CR2032.

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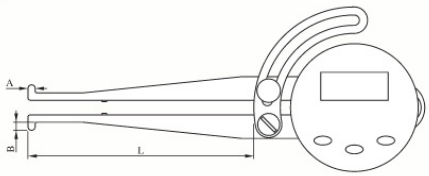
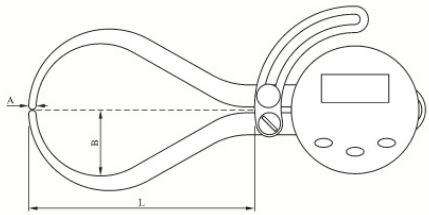


Item No.	Measuring range/mm	Length/mm L	A	B	Price EUR
909.409	12.7 - 170	85	3	3	
Option: 495.157 Spare battery					

Digital external measuring instrument

- Measuring range: 0 - 160 mm.
- Resolution: 0.1 mm.
- Accuracy: ±0.2 mm.
- mm/inch conversion.
- On/off switch.
- Automatic switch-off.
- Reset.
- Hold function.
- Locking screw.
- Power supply: 1 battery type CR2032.

Item No.	Measuring range/mm	Length/mm L	A	B	Price EUR
909.408	0 - 160	85	3	25	
Option: 495.157 Spare battery					



004.314.QControl.20190702

Digital internal measuring instruments

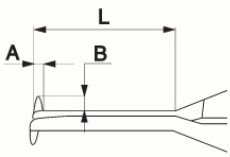
Digital internal measuring instruments for measurements of bores, internal grooves and other hard-to-reach places.

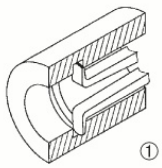
- Measuring range: 5 - 60 mm.
- Resolution: 0.005 mm. Digital-analog display changes automatically between 0.01, 0.02 and 0.05 mm (±20 scale divisions).
- mm/inch conversion.
- ABS/INC switchable.
- Large LCD display, 340° rotatable.
- On/off switch.
- Automatic switch-off.
- Reset/preset.
- Hold and min/max functions.
- Adjustable tolerance limits.
- Measuring faces with different contact forms.
- Power supply: 1 battery type CR2032.

908.810

PRICE

Item No.	Measuring range/mm	Accuracy mm	Length/mm L	A	B	Contact form/mm	Price EUR
Travel 10 mm:							
908.810	5 - 15	±0.02	20	1	1.5	① R 0.3	
908.811	10 - 20	±0.02	25	1.5	3.0	① R 0.3	
908.812	20 - 30	±0.02	30	2	6.5	① R 0.5	
908.813	30 - 40	±0.02	30	2.5	9.0	① R 0.5	
908.814	40 - 50	±0.02	30	2.5	9.0	① R 0.5	
908.816	10 - 20	±0.02	25	1.5	3.0	② ø1.5	
908.817	20 - 30	±0.02	30	2	6.5	② ø1.5	
908.818	30 - 40	±0.02	30	2.5	9.0	② ø1.5	
908.819	40 - 50	±0.02	30	2.5	9.0	② ø1.5	
Travel 20 mm:							
908.820	5 - 25	±0.03	35	1	1.5	① R 0.3	
908.821	10 - 30	±0.03	55	2	3.5	① R 0.5	
908.822	20 - 40	±0.03	80	3	6.5	① R 0.5	
908.823	30 - 50	±0.03	80	3	8.5	① R 0.5	
908.824	40 - 60	±0.03	80	3	8.5	① R 0.5	
908.826	10 - 30	±0.03	55	2	3.5	② ø1.5	
908.827	20 - 40	±0.03	80	3	6.5	② ø1.5	
908.828	30 - 50	±0.03	80	3	8.5	② ø1.5	
908.829	40 - 60	±0.03	80	3	8.5	② ø1.5	
Option:							
495.157	Spare battery						

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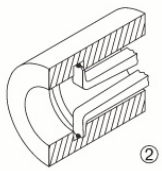

②

004.306.QControl.20190702

Internal measuring instruments

Internal measuring instruments for measurements of bores, internal grooves and other hard-to-reach places.

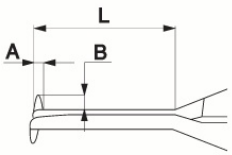
- Measuring range: 5 - 60 mm.
- Graduation: 0.01 mm.
- Rotatable dial.
- Adjustable tolerance markers.
- Measuring faces with different contact forms.

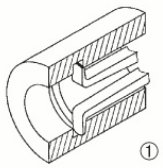
908.830

QControl We Measure Quality

PRICE

Item No.	Measuring range/mm	Accuracy mm	Length/mm L	A	B	Contact form/mm	Price EUR
Travel 10 mm:							
908.830	5 - 15	±0.02	20	1	1.5	① R 0.3	
908.831	10 - 20	±0.02	25	1.5	3.0	① R 0.3	
908.832	20 - 30	±0.02	30	2	6.5	① R 0.5	
908.833	30 - 40	±0.02	30	2.5	9.0	① R 0.5	
908.834	40 - 50	±0.02	30	2.5	9.0	① R 0.5	
908.836	10 - 20	±0.02	25	1.5	3.0	② ø1.5	
908.837	20 - 30	±0.02	30	2	6.5	② ø1.5	
908.838	30 - 40	±0.02	30	2.5	9.0	② ø1.5	
908.839	40 - 50	±0.02	30	2.5	9.0	② ø1.5	
Travel 20 mm:							
908.840	5 - 25	±0.03	35	1	1.5	① R 0.3	
908.841	10 - 30	±0.03	55	2	3.5	① R 0.5	
908.842	20 - 40	±0.03	80	3	6.5	① R 0.5	
908.843	30 - 50	±0.03	80	3	8.5	① R 0.5	
908.844	40 - 60	±0.03	80	3	8.5	① R 0.5	
908.846	10 - 30	±0.03	55	2	3.5	② ø1.5	
908.847	20 - 40	±0.03	80	3	6.5	② ø1.5	
908.848	30 - 50	±0.03	80	3	8.5	② ø1.5	
908.849	40 - 60	±0.03	80	3	8.5	② ø1.5	

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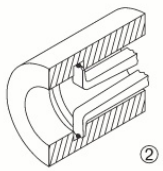
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004.308.QControl.20190702

Digital external measuring instruments

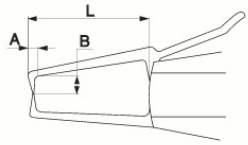
Digital external measuring instruments for measurements of external grooves, axis diameters, wall thicknesses and other hard-to-reach places.

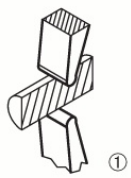
- Measuring range: 0 - 60 mm.
- Resolution: 0.005 mm. Digital-analog display changes automatically between 0.01, 0.02 and 0.05 mm (±20 scale divisions).
- mm/inch conversion.
- ABS/INC switchable.
- Large LCD display, 340° rotatable.
- On/off switch.
- Automatic switch-off.
- Reset/preset.
- Hold and min/max functions.
- Adjustable tolerance limits.
- Measuring faces with different contact forms.
- Power supply: 1 battery type CR2032.

908.850

PRICE

Item No.	Measuring range/mm	Accuracy mm	Length/mm L	A	B	Contact form/mm	Price EUR
Travel 10 mm:							
908.850	0 - 10	±0.02	40	3	8	① R 0.5	
908.851	10 - 20	±0.02	40	3	8	① R 0.5	
908.852	20 - 30	±0.02	40	3	8	① R 0.5	
908.853	30 - 40	±0.02	40	3	8	① R 0.5	
908.854	40 - 50	±0.02	40	3	8	① R 0.5	
908.855	0 - 10	±0.02	40	3	8	② ø1.5	
908.856	10 - 20	±0.02	40	3	8	② ø1.5	
908.857	20 - 30	±0.02	40	3	8	② ø1.5	
908.858	30 - 40	±0.02	40	3	8	② ø1.5	
908.859	40 - 50	±0.02	40	3	8	② ø1.5	
Travel 20 mm:							
908.860	0 - 20	±0.03	80	6.5	25	① R 0.75	
908.861	10 - 30	±0.03	80	6.5	25	① R 0.75	
908.862	20 - 40	±0.03	80	6.5	25	① R 0.75	
908.863	30 - 50	±0.03	80	6.5	25	① R 0.75	
908.864	40 - 60	±0.03	80	6.5	25	① R 0.75	
908.865	0 - 20	±0.03	80	6.5	25	② ø1.5	
908.866	10 - 30	±0.03	80	6.5	25	② ø1.5	
908.867	20 - 40	±0.03	80	6.5	25	② ø1.5	
908.868	30 - 50	±0.03	80	6.5	25	② ø1.5	
908.869	40 - 60	±0.03	80	6.5	25	② ø1.5	
Option:							
495.157	Spare battery						

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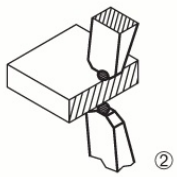

②

004.307.QControl.20190702

External measuring instruments

External measuring instruments for measurements of external grooves, axis diameters, wall thicknesses and other hard-to-reach places.

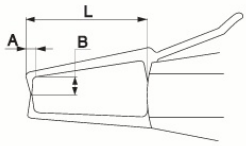
- Measuring range: 0 - 60 mm.
- Graduation: 0.01 mm.
- Rotatable dial.
- Adjustable tolerance markers.
- Measuring faces with different contact forms.

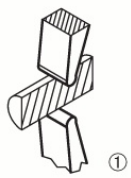
908.870

QControl We Measure Quality

PRICE

Item No.	Measuring range/mm	Accuracy mm	Length/mm L	A	B	Contact form/mm	Price EUR
Travel 10 mm:							
908.870	0 - 10	±0.02	40	3	8	① R 0.5	
908.871	10 - 20	±0.02	40	3	8	① R 0.5	
908.872	20 - 30	±0.02	40	3	8	① R 0.5	
908.873	30 - 40	±0.02	40	3	8	① R 0.5	
908.874	40 - 50	±0.02	40	3	8	① R 0.5	
908.875	0 - 10	±0.02	40	3	8	② ø1.5	
908.876	10 - 20	±0.02	40	3	8	② ø1.5	
908.877	20 - 30	±0.02	40	3	8	② ø1.5	
908.878	30 - 40	±0.02	40	3	8	② ø1.5	
908.879	40 - 50	±0.02	40	3	8	② ø1.5	
Travel 20 mm:							
908.880	0 - 20	±0.03	80	6.5	25	① R 0.75	
908.881	10 - 30	±0.03	80	6.5	25	① R 0.75	
908.882	20 - 40	±0.03	80	6.5	25	① R 0.75	
908.883	30 - 50	±0.03	80	6.5	25	① R 0.75	
908.884	40 - 60	±0.03	80	6.5	25	① R 0.75	
908.885	0 - 20	±0.03	80	6.5	25	② ø1.5	
908.886	10 - 30	±0.03	80	6.5	25	② ø1.5	
908.887	20 - 40	±0.03	80	6.5	25	② ø1.5	
908.888	30 - 50	±0.03	80	6.5	25	② ø1.5	
908.889	40 - 60	±0.03	80	6.5	25	② ø1.5	

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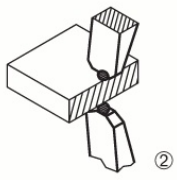
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004.309.QControl.20190702