Internal Dial Caliper Gauges

Internal Dial Caliper Gauges Metric

This analog Internal Dial Caliper Gauge offers you the following benefits:

- Excellent resistance against water and dust (IP65 protection level)
- Optimized measuring force
- Ergonomically designed to lie securely in your hand when measuring

209-901

Optional accessories

No.	Description
63AAA437	Holder for Digital Caliper Gauge, for 209-901 up to 209-924
011530	Holder for Digital Caliper Gauge, for 209-300 up to 209-457 except: 209-310, -311, -312, -361, -362, -363

209-301

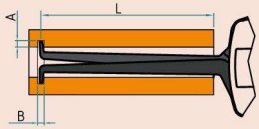
209-303

209-305

209-902

209-310

209-300



L=Maximum reach of contact arms over workpiece
A=Maximum groove depth
B=Minimum groove width

63AAA437

Metric — Measuring contacts: carbide ball Ø 0,6 mm

No.	L mm	Range [mm]	Graduation [mm]	Accuracy	Type	Measuring force [N]	Mass [g]	A [mm]	B [mm]	L [mm]
209-301	35	5 - 15	0,005	0,015 mm	Fig. 4	0,8-1,2 N	160	2,3	0,8	35

Metric — Measuring contacts: carbide ball Ø 1,5 mm

No.	L mm	Range [mm]	Graduation [mm]	Accuracy	Type	Measuring force [N]	Mass [g]	A [mm]	B [mm]	L [mm]
209-901	188	15 - 65	0,05	0,05 mm	Fig. 4	0,9-1,9 N	355	5,5	1,9	188

Metric — Measuring contacts: carbide ball Ø 1 mm

No.	L mm	Range [mm]	Graduation [mm]	Accuracy	Type	Measuring force [N]	Mass [g]	A [mm]	B [mm]	L [mm]
209-302	85	10 - 30	0,01	0,03 mm	Fig. 4	1,1-1,6 N	180	5,2	1,2	85
209-303	85	20 - 40	0,01	0,03 mm	Fig. 2	1,1-1,6 N	180	7	1,2	85
209-304	85	30 - 50	0,01	0,03 mm	Fig. 2	1,1-1,6 N	185	7	1,2	85
209-305	85	40 - 60	0,01	0,03 mm	Fig. 3	1,1-1,6 N	195	8,3	1,2	85
209-306	85	50 - 70	0,01	0,03 mm	Fig. 3	1,1-1,6 N	195	8,3	1,2	85
209-307	85	60 - 80	0,01	0,03 mm	Fig. 3	1,1-1,6 N	200	8,3	1,2	85
209-308	85	70 - 90	0,01	0,03 mm	Fig. 3	1,1-1,6 N	200	8,3	1,2	85
209-309	85	80 - 100	0,01	0,03 mm	Fig. 3	1,1-1,6 N	200	8,3	1,2	85

Metric — Measuring contacts: carbide ball Ø 2 mm

No.	L mm	Range [mm]	Graduation [mm]	Accuracy	Type	Measuring force [N]	Mass [g]	A [mm]	B [mm]	L [mm]
209-902	192	40 - 90	0,05	0,05 mm	Fig. 3	0,9-1,9 N	370	8,3	2,4	192
209-903	192	70 - 120	0,05	0,05 mm	Fig. 3	0,9-1,9 N	380	8,3	2,4	192

Metric — Measuring contacts: carbide bevel (R: 0,1 mm)

No.	L mm	Range [mm]	Graduation [mm]	Accuracy	Type	Measuring force [N]	Mass [g]	A [mm]	B [mm]	L [mm]
209-300	12	2,5 - 12,5	0,005	0,015 mm	Fig. 1	0,8-1,2 N	155	0,7	0,4	12

Metric — Measuring contacts: interchangeable, carbide ball Ø 1 mm

No.	L mm	Range [mm]	Graduation [mm]	Accuracy	Type	Measuring force [N]	Mass [g]	A [mm]	B [mm]	L [mm]
209-310	85	50 - 100	0,01	0,03 mm	Fig. 5	1,1-1,6 N	220	8,3	1,2	85
209-311	85	90 - 140	0,01	0,03 mm	Fig. 5	1,1-1,6 N	230	8,3	1,2	85
209-312	85	130 - 180	0,01	0,03 mm	Fig. 5	1,1-1,6 N	230	8,3	1,2	85

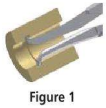


Figure 1

Figure 2

Figure 3

Figure 4

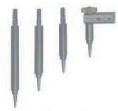


Figure 5