

# Internal measurement

Application range up to 60 mm



G002



G102



G210



G330



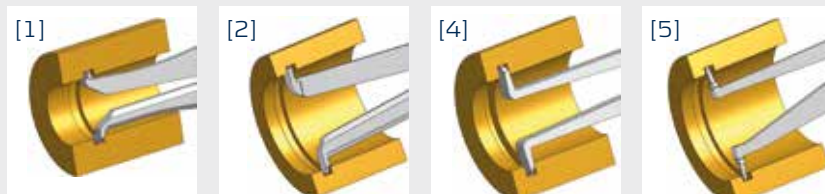
H105



H210

Type	Measuring span Mes [mm]	Measuring range Meb [mm]	Range of indication Azb [mm]	Numerical interval Zw Scale interval Skw [mm]	Permissible errors G [mm]	Repeatability limit r [mm]	Measuring force $F_{min}$ [N]	Measuring force $F_{max}$ [N]	Weight [g]	Protection class	Measuring contact movable Hb [mm]	Measuring contact fixed Hf [mm]	Type of measuring contact [mm]	Groove depth A [mm]	Groove width B min [mm]	Measuring depth L max. [mm]	Picture	Electronic E Mechanical M	Wooden box
G002	10	2.5–12.5	2.4–12.8	0.001	0.010	0.005	0.8	1.3	160	IP67	0.9	0.9	Chisel R 0.12	0.7	0.6	12	[1]	E	1732-38
G005	15	5–20	4.7–20.3	0.001	0.010	0.005	0.8	1.3	160	IP67	2.2	2.2	Ball Ø 0.6	2.2	0.8	44	[2]	E	1732-38
G010	15	10–25	9.7–25.3	0.001	0.010	0.005	0.8	1.3	160	IP67	4.4	4.4	Ball Ø 1	4	1.5	46	[2]	E	1732-38
G102	10	2.5–12.5	2.4–12.8	0.005	0.015	0.005	0.8	1.2	225	IP67	0.9	0.9	Chisel R 0.12	0.7	0.5	12	[1]	E	1732-45
H102	10	2.5–12.5	2.4–12.8	0.005	0.015	0.005	0.8	1.2	155	IP65	0.9	0.9	Chisel R 0.12	0.7	0.5	12	[1]	M	1732-45
G105	10	5–15	4.7–15.3	0.005	0.015	0.005	0.8	1.2	230	IP67	2.5	2.5	Ball Ø 0.6	2.3	0.8	35	[2]	E	1732-45
H105	10	5–15	4.7–15.3	0.005	0.015	0.005	0.8	1.2	160	IP65	2.5	2.5	Ball Ø 0.6	2.3	0.8	35	[2]	M	1732-45
G210	20	10–30	9.5–30.5	0.01	0.03	0.01	1.1	1.6	250	IP67	5.3	5.3	Ball Ø 1	5.2	1.5	85	[2]	E	1732-45
H210	20	10–30	9.5–30.5	0.01	0.03	0.01	1.1	1.6	180	IP65	5.3	5.3	Ball Ø 1	5.2	1.5	85	[2]	M	1732-45
G220	20	20–40	19.5–40.5	0.01	0.03	0.01	1.1	1.6	250	IP67	7.3	7.3	Ball Ø 1	7.0	1.5	85	[4]	E	1732-45
H220	20	20–40	19.5–40.5	0.01	0.03	0.01	1.1	1.6	180	IP65	7.3	7.3	Ball Ø 1	7.0	1.5	85	[4]	M	1732-45
G230	20	30–50	29.5–50.5	0.01	0.03	0.01	1.1	1.6	255	IP67	7.3	7.3	Ball Ø 1	7.0	1.5	85	[4]	E	1732-45
H230	20	30–50	29.5–50.5	0.01	0.03	0.01	1.1	1.6	185	IP65	7.3	7.3	Ball Ø 1	7.0	1.5	85	[4]	M	1732-45
G240	20	40–60	39.5–60.5	0.01	0.03	0.01	1.1	1.6	265	IP67	8.5	8.5	Ball Ø 1	8.3	1.5	85	[5]	E	1732-45
H240	20	40–60	39.5–60.5	0.01	0.03	0.01	1.1	1.6	195	IP65	8.5	8.5	Ball Ø 1	8.3	1.5	85	[5]	M	1732-45
G313	30	13–43	12.5–43.5	0.02	0.04	0.02	1.2	1.7	360	IP67	5.9	5.9	Ball Ø 1.3	5.7	1.6	127	[2]	E	1732-51
G330	30	30–60	29.5–60.5	0.02	0.04	0.02	1.2	1.7	370	IP67	6.5	6.5	Ball Ø 1.5	6.2	1.8	132	[5]	E	1732-51

## Measuring contacts



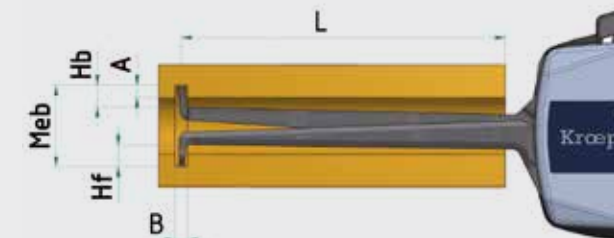
Chisel R 0.12 mm

Ball Ø 0.6 mm  
Ball Ø 1.0 mm  
Ball Ø 1.3 mm

Ball Ø 1.0 mm

Ball Ø 1.0 mm  
Ball Ø 1.5 mm  
Ball Ø 2.0 mm

## Measuring capacity



Meb Measuring range

A Groove depth

B Groove width

Hb Measuring contact movable

Hf Measuring contact fixed

L Measuring depth