

The measure
of all things



Internal measurement

Application range up to 60 mm



G002



L102



L210



L330



H105



H210

FOR MORE INFORMATION PLEASE CONTACT:



BHAGWATI

Hardware & Mill Store Since 1976

Address: 4769, 1ST Floor, Old Post Office Building,
Hauz Qazi, Delhi - 110006

Mobile: 9212012856, 9350076343

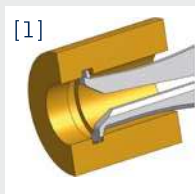
Website: www.bhagwathardwaredelhi.in

E-mail: sandeep@bhagwatimail.com

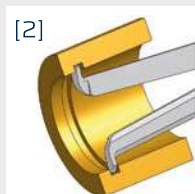
AN ISO 9001 : 2015 CERTIFIED COMPANY

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 max. [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	4,7–20,5	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	9,7–25,5	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
L102	10	2.5–12.5	2,4–12,8	0,005	0.015	0.005	0.8	1.2	245	IP67	0.9	0.9	Chisel R 0.12	0.7	0.5	12	[1]	E	1732-65
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
L105	10	5–15	4,7–15,3	0,005	0.015	0.005	0.8	1.2	250	IP67	2.5	2.5	Ball Ø 0.6	2.3	0.8	35	[2]	E	1732-65
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
L210	20	10–30	9,5–30,5	0,01	0.03	0.01	1.1	1.6	270	IP67	5.3	5.3	Ball Ø 1	5.2	1.5	85	[2]	E	1732-65
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
L220	20	20–40	19,5–40,5	0,01	0.03	0.01	1.1	1.6	270	IP67	7.3	7.3	Ball Ø 1	7.0	1.5	85	[4]	E	1732-65
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
L230	20	30–50	29,5–50,5	0,01	0.03	0.01	1.1	1.6	275	IP67	7.3	7.3	Ball Ø 1	7.0	1.5	85	[4]	E	1732-65
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
L240	20	40–60	39,5–60,5	0,01	0.03	0.01	1.1	1.6	285	IP67	8.5	8.5	Ball Ø 1	8.3	1.5	85	[5]	E	1732-65
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
L313	30	13–43	12,8–43,5	0,01	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	1732-71
L330	30	30–60	29,5–60,5	0,01	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	1732-71

Measuring contacts



Chisel R 0.12 mm



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

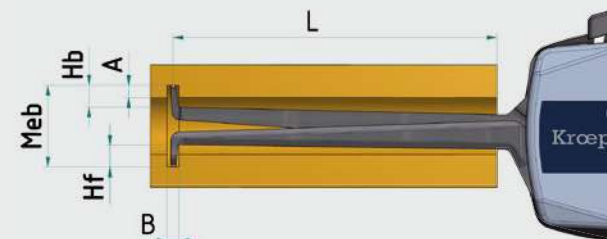


Ball Ø 1.0 mm



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

Internal measurement

Application range up to 120 mm



L240



H240



L370



H415



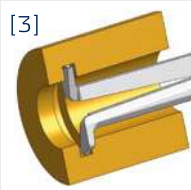
L415



H470

	Measuring span Mes	Measuring range Meb	Range of indication Azb	Numerical interval Zw Scale interval Skw	Permissible errors G	Repeatability limit r	Measuring force $F_{\min}$	Measuring force $F_{\max}$	Weight	Protection class	Measuring contact movable Hb	Measuring contact fixed Hf	Type of measuring contact	Groove depth A max.	Groove width B min.	Measuring depth L max.	Picture	Electronic E Mechanical M	Wooden box
Type	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]	[g]		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]			
L250	20	50–70	49,5–70,5	0,01	0,03	0,01	1,1	1,6	285	IP67	8.5	8.5	Ball Ø 1	8.3	1,5	85	[5]	E	1732-65
H250	20	50–70	49,5–70,5	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
L260	20	60–80	59,5–80,5	0,01	0,03	0,01	1,1	1,6	290	IP67	8.5	8.5	Ball Ø 1	8.3	1,5	85	[5]	E	1732-65
H260	20	60–80	59,5–80,5	0,01	0,03	0,01	1,1	1,6	200	IP65	8.5	8.5	Ball Ø 1	8.3	1,5	85	[5]	M	1732-45
L270	20	70–90	69,5–90,5	0,01	0,03	0,01	1,1	1,6	290	IP67	8.5	8.5	Ball Ø 1	8.3	1,5	85	[5]	E	1732-65
H270	20	70–90	69,5–90,5	0,01	0,03	0,01	1,1	1,6	200	IP65	8.5	8.5	Ball Ø 1	8.3	1,5	85	[5]	M	1732-45
L280	20	80–100	79,5–100,5	0,01	0,03	0,01	1,1	1,6	290	IP67	8.5	8.5	Ball Ø 1	8.3	1,5	85	[5]	E	1732-65
H280	20	80–100	79,5–100,5	0,01	0,03	0,01	1,1	1,6	200	IP65	8.5	8.5	Ball Ø 1	8.3	1,5	85	[5]	M	1732-45
L350	30	50–80	49,5–80,5	0,01	0,04	0,02	1,2	1,7	370	IP67	8.5	8.5	Ball Ø 2	8.3	2,5	132	[5]	E	1732-71
L370	30	70–100	69,5–100,5	0,01	0,04	0,02	1,2	1,7	375	IP67	8.5	8.5	Ball Ø 2	8.3	2,5	132	[5]	E	1732-71
L390	30	90–120	89,5–120,5	0,01	0,04	0,02	1,2	1,7	380	IP67	8.5	8.5	Ball Ø 2	8.3	2,5	132	[5]	E	1732-71
L415	50	15–65	14,8–65,5	0,01	0,05	0,03	1,0	1,8	415	IP67	6.0	6.0	Ball Ø 1.5	5.5	2,0	188	[3]	E	1732-71
H415	50	15–65	14,8–65,5	0,05	0,05	0,025	0,9	1,9	355	IP65	6.0	6.0	Ball Ø 1.5	5.5	2,0	188	[3]	M	1732-51
L440	50	40–90	39,5–90,5	0,01	0,05	0,03	1,0	1,8	420	IP67	8.5	8.5	Ball Ø 2	8.3	2,5	192	[5]	E	1732-71
H440	50	40–90	39,5–90,5	0,05	0,05	0,025	0,9	1,9	370	IP65	8.5	8.5	Ball Ø 2	8.3	2,5	192	[5]	M	1732-51
L470	50	70–120	69,5–120,5	0,01	0,05	0,03	1,0	1,8	420	IP67	8.5	8.5	Ball Ø 2	8.3	2,5	192	[5]	E	1732-71
H470	50	70–120	69,5–120,5	0,05	0,05	0,025	0,9	1,9	370	IP65	8.5	8.5	Ball Ø 2	8.3	2,5	192	[5]	M	1732-51

Measuring contacts

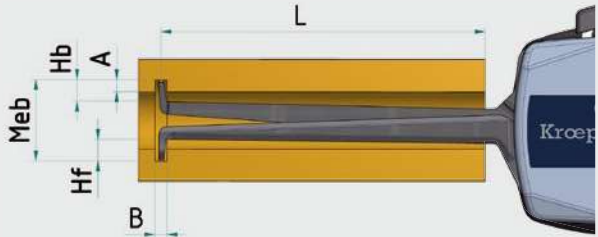


Ball Ø 1.0 mm
Ball Ø 1.5 mm



Ball Ø 1.0 mm
Ball Ø 2.0 mm

Measuring capacity



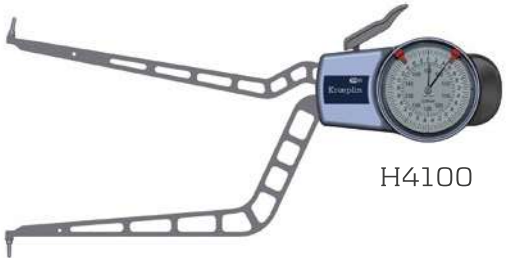
Meb Measuring range
A Groove depth
B Groove width
Hb Measuring contact movable
Hf Measuring contact fixed
L Measuring depth

Internal measurement

Application range exceeding 120 mm



L4100



H4100



L850



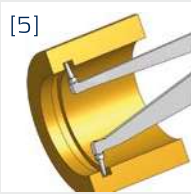
H870



G16200

	Measuring span Mes	Measuring range Meb	Range of indication Azb	Numerical interval Zw Scale interval Skw	Permissible errors G	Repeatability limit r	Measuring force $F_{\min}$	Measuring force $F_{\max}$	Weight	Protection class	Measuring contact movable Hb	Measuring contact fixed Hf	Type of measuring contact	Groove depth A max.	Groove width B min.	Measuring depth L max.	Picture	Electronic E Mechanical M	Wooden box
Type	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]	[g]		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]			
L4100	50	100–150	99,5–150,5	0,01	0,05	0,03	1,0	1,8	425	IP67	8,5	8,5	Ball Ø 2	8.3	2.4	192	[5]	E	1732-71
H4100	50	100–150	99,5–150,5	0,05	0,05	0,025	0,9	1,9	385	IP65	8,5	8,5	Ball Ø 2	8.3	2.4	192	[5]	M	1732-51
L4130	50	130–180	129,5–180,5	0,01	0,05	0,03	1,0	1,8	430	IP67	8,5	8,5	Ball Ø 2	8.3	2.4	192	[5]	E	HK
H4130	50	130–180	129,5–180,5	0,05	0,05	0,025	0,9	1,9	390	IP65	8,5	8,5	Ball Ø 2	8.3	2.4	192	[5]	M	HK
L4150	50	150–200	149,5–200,5	0,01	0,05	0,03	1,0	1,8	435	IP67	8,5	8,5	Ball Ø 2	8.3	2.4	192	[5]	E	HK
H4150	50	150–200	149,5–200,5	0,05	0,05	0,025	0,9	1,9	395	IP65	8,5	8,5	Ball Ø 2	8.3	2.4	192	[5]	M	HK
L850	100	50–150	49,5–150,5	0,05	0,15	0,1	0,8	2,0	650	IP67	4,0	4,0	Ball Ø 5	3.0	5.5	395	[18]	E	HK
H850	100	50–150	49,5–150,5	0,1	0,15	0,1	0,8	2,0	590	IP65	4,0	4,0	Ball Ø 5	3.0	5.5	395	[18]	M	HK
L870	100	70–170	69,5–170,5	0,05	0,15	0,1	0,8	2,0	650	IP67	14,0	14,0	Ball Ø 5	13.0	5.5	395	[19]	E	HK
H870	100	70–170	69,5–170,5	0,1	0,15	0,1	0,8	2,0	590	IP65	14,0	14,0	Ball Ø 5	13.0	5.5	395	[19]	M	HK
G1290	100	90–190	89–191	0,1	0,3	0,1	1,0	1,5	910	-	13	13	Ball Ø 5	12	5.5	535	[19]	E	HK
H1290	100	90–190	89–191	0,1	0,3	0,1	1,0	1,5	950	-	13	13	Ball Ø 5	12	5.5	535	[19]	M	HK
G12150	100	150–250	149–251	0,1	0,3	0,1	1,0	1,5	920	-	30	30	Ball Ø 5	29	5.5	535	[19]	E	HK
H12150	100	150–250	149–251	0,1	0,3	0,1	1,0	1,5	960	-	30	30	Ball Ø 5	29	5.5	535	[19]	M	HK
G16200	200	200–400	199–401	0,2	0,4	0,2	0,7	1,6	1200	-	29	29	Hemisphere SR 20	28	21	720	[20]	E	HK
H16200	200	200–400	199–401	0,2	0,4	0,2	0,7	1,6	1300	-	29	29	Hemisphere SR 20	28	21	720	[20]	M	HK

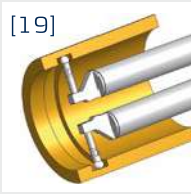
Measuring contacts



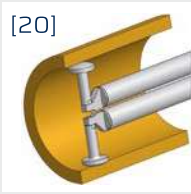
Ball Ø 2.0 mm



Ball Ø 5.0 mm

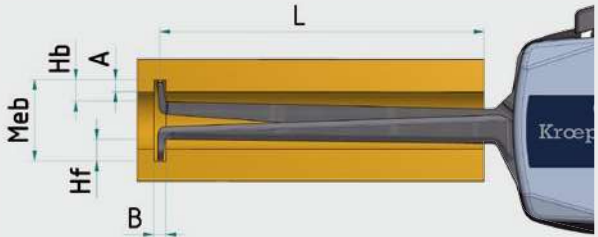


Ball Ø 5.0 mm



Hemisphere SR 20 mm

Measuring capacity



Meb Measuring range
A Groove depth
B Groove width
Hb Measuring contact movable
Hf Measuring contact fixed
L Measuring depth

Internal comparison measurement

Application range from 50 to 430 mm



H4M180



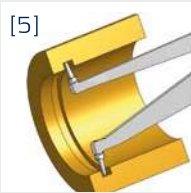
H2M50



H2M90

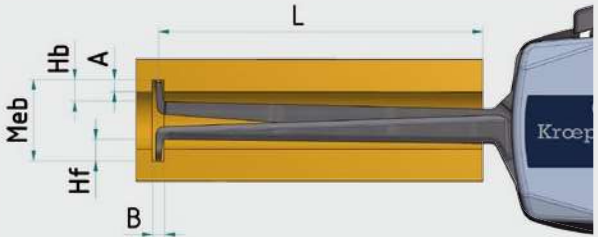
	Measuring span Mes	Measuring range Meb	Range of indication Azb	Scale interval Skw	Permissible errors G	Repeatability limit r	Measuring force $F_{\min}$	Measuring force $F_{\max}$	Weight	Protection class	Measuring contact movable Hb	Measuring contact fixed Hf	Type of measuring contact	Groove depth A max.	Groove width B min.	Measuring depth L max.	Picture	Electronic E Mechanical M	Wooden box
Type	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[N]	[N]	[g]		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]			
H2M50	20	50–100	49.5–100.5	0.01	0.03	0.015	1.1	1.6	220	IP65	12.0	variable	Ball Ø 1	8.3	1,5	85	[5]	M	HK
H2M90	20	90–140	89.5–140.5	0.01	0.03	0.015	1.1	1.6	230	IP65	12.0	variable	Ball Ø 1	8.3	1,5	85	[5]	M	HK
H2M130	20	130–180	129.5–180.5	0.01	0.03	0.015	1.1	1.6	240	IP65	12.0	variable	Ball Ø 1	8.3	1,5	85	[5]	M	HK
H4M180	50	180–310	179.5–310.5	0.05	0.10	0.05	0.9	1.9	420	IP65	21.0	variable	Ball Ø 2	8.3	2,5	170	[5]	M	HK
H4M300	50	300–430	299.5–430.5	0.05	0.15	0.05	0.9	1.9	450	IP65	21.0	variable	Ball Ø 2	8.3	2,5	170	[5]	M	HK

Measuring contact



Ball Ø 1.0 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