

KROEPLIN GAUGES

Mechanical internal measurement



			ID1010	ID1020	ID1030	ID1040	ID1050	1D1060	ID1070	ID1080
Range of application	Awb	[mm]	10-30	20-40	30-50	40-60	50-70	60-80	70-90	80-100
Measuring range	Meb	[mm]	20	20	20	20	20	20	20	20
Scale interval	Skw	[mm]	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01
Deviation in the measuring range	fM	[mm]	±0,03	±0,03	±0,03	±0,03	±0,03	±0,03	±0,03	±0,03
Repeatability	fw	[mm]	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01
Measuring depth	L	[mm]	80	80	80	80	80	80	80	80
Groove depth	Α	[mm]	4,5	6	6	6	6	6	6	6
Groove width	В	[mm]	1,8	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Type of measuring contact	D	[mm]	K ø1 ⊕	K ø1 ④	Køl®	K øl ®	K øl ®	K ø1 ®	K ø1 ®	Køl ®
Measuring contact length(movable)	Hb	[mm]	5	7	7	10	10	10	10	10
Measuring contact length(fixed)	Hf	[mm]	5	7	7	10	20	10	20	10
Measuring contact thickness	S	[mm]	1,3	1,9	1,9	2,5	2,5/4	2,5	2,5/4	2,5
Minimum measuring force	Fmin.	N	0,9	0,9	0,9	0,9	0,9	0,9	0,9	0,9
Maximum measuring force	Fmax.	N	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5

			ID2015	ID2040	ID20100
Range of application	Awb	[mm]	15-65	40-90	100-150
Measuring range	Meb	[mm]	50	50	50
Scale interval	Skw	[mm]	0,05	0,05	0,05
Deviation in the measuring range	fM	[mm]	±0,05	±0,05	±0,05
Repeatability	fw	[mm]	0,025	0,025	0,025
Measuring depth	L	[mm]	175	175	175
Groove depth	Α	[mm]	4,5	8	8
Groove width	В	[mm]	2,5	3,3	3,3
Type of measuring contact	D	[mm]	K ø1,5®	K ø2 @	K ø2 @
Measuring contact length/movable	НЬ	[mm]	5,3	10,5	10,5
Measuring contact length(fixed)	Hf	[mm]	5,3	10,5	10,5
Measuring thickness	S	[mm]	1,8	2,5	2,5
Minimum measuring force	Fmin.	N	1,2	1,2	1,2
Maximum measuring force	Fmax.	N	2	2	2

			ID4040	ID80200
Range of application	Awb	[mm]	40-140	200-400
Measuring range	Meb	[mm]	100	200
Scale interval	Skw	[mm]	0,1	0,2
Deviation in the measuring range	fM	[mm]	±0,15	±0,40
Repeatability	fw	[mm]	0,075	0,2
Measuring depth	L	[mm]	385	735
Groove depth	Α	[mm]	2	25
Groove width	В	[mm]	5	25
Type of measuring contact	D	[mm]	K ø5 ③	K R20 ©
Measuring contact length/movable	Hb	[mm]	2,5	29,5
Measuring contact length(fixed)	Hf	[mm]	2,5	29,5
Measuring contact thickness	S	[mm]	5	8
Minimum measuring force	Fmin.	N	1,5	1,0
Maximum measuring force	Fmax.	N	2,5	2,0





KROEPLIN GAUGES

Electronic

EOD1025 EOD2050 external Auch [mm] Range of application 24.7 49.5 Meb Measuring range [mm] Zw Numerical interval [mm] f M +0.02 ±0.04 Deviation in the measuring range [mm] 0.04 Repeatability [mm] 170 80 Measuring depth [mm] K ø1.5 ® K ø2 ® Type of measuring contact [mm] Hb 22 32 Measuring contact length/movable HF 2.3 32 Measuring contact length/fixed [mm] 0.9 1.2 Fmin Minimum measuring force N 1,5 Fmax. Maximum measuring force



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internal			EID1010	EID1030	EID1050	
Range of application	Awb	[mm]	10-35	30-55	50-75	
Measuring range	Meb	[mm]	25	25	25	
Numerical interval	Zw	[mm]	0,01	0,01	0,01	
Deviation in the measuring range	f M	[mm]	±0,03	±0,03	±0,03	
Repeatability	fw	[mm]	0,03	0,03	0,03	
Measuring depth	L	[mm]	80	80	80	
Groove depth	A	[mm]	4,5	6	8	
Groove width	В	[mm]	1,7	2,5	3	
Type of measuring contact	D	[mm]	Køl ②	Køl ®	Køl @	
Measuring contact length/movable	Hb	[mm]	5	7	10	
Measuring contact length/fixed	Hf	[mm]	5	7	20	
Measuring contact thickness	S	[mm]	1,2	1,9	2,5/4	
Minimum measuring force	Fmin.	N	0,9	0,9	0,9	
Maximum measuring force	Fmax.	N	1,5	1,5	1,5	

THE MOST IMPORTANT APPLICATION AREAS ARE:

Wire manufacturers:

Diameter measurement of continuous wires.

Glass industry:

Measurement of wall thicknesses in difficulty accessible places.

Tube manufactuers:

Internal and external measurements, also of extremely wide tubes.

Ceramic industry:

Safe and simple determination of contraction due to baking and drying.

Kev manufacturers:

Measurement of milled notches of keys.

Foamed material industry:

Measurements of foam material thicknesses.

Dental laboratories:

Measurement of tooth crown thicknesses

Aerosol and packaging industry: Measurement of aerosol cans.

Foundries:

Measurement of cast wall thicknesses.

Medical institutes:

Measurement of skin wrinkles of human and animals.

OTHER SIZES AVAILABLE UPON REQUEST

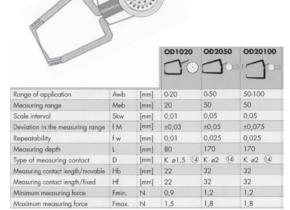
Mechanical external measurement



OD0305

OD0710

			0	~
Range of application	Awb	[mm]-	0.5	0.10
Measuring range	Meb	[mm]	5	10
Scale interval	Skw	[mm]	0,005	0,01
Deviation in the measuring range	fM	[mm]	±0,01	±0,02
Repeatability	fw	[mm]	0,0025	0,005
Measuring depth	L	[mm]	28	59
Type of measuring contact	D	[mm]	K ø1,5 ®	K ø1,5 ®
Measuring contact length(movable)	Hb	[mm]	7,5	8
Measuring contact length(fixed)	Hf	[mm]	7,5	8
Minimum measuring force	Fmin.	N	1,20	0,80
Maximum measuring force	Fmax.	N	1,70	1,30





			10	10
Range of application	Awb	[mm]	0-50	50-100
Measuring range	Meb	[mm]	50	50
Scale interval	Skw	[mm]	0,05	0,05
Deviation in the measuring range	fM	[mm]	±0,075	±0,075
Repeatability	fw	[mm]	0,025	0,05
Measuring depth	L	[mm]	170	170
Type of measuring contact	D	[mm]	K ø2 ①	K ø2 ①
Measuring contact length/movable	НЬ	[mm]	32	32
Measuring contact length/fixed	Hf	[mm]	82	82
Minimum measuring force	Fmin.	N	1,2	1,2
Maximum measuring force	Fmax.	N	1,8	1,8

OD20100

			OD3050	OD40100	OD80200
Range of application	Awb	[mm]	0.50	0-100	0-200
Measuring range	Meb	[mm]	50	100	200
Scale interval	Skw	[mm]	0,1	0,1	0,2
Deviation in the measuring range	fM	[mm]	±0,15	±0,15	±0,4
Repeatability	fw	[mm]	0,075	0,075	0,2
Measuring depth	ı	[mm]	230	368	730
Type of measuring contact	D	[mm]	K ø5 @	K ø5 @	K R20 Ø

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