

# Dial Indicators Back Plunger Type Series 1

## Series 1

This is a back plunger, dial indicator with bezel  $\varnothing$  40 mm. It offers you the following benefits:

- It is ideal for use in applications where space is limited.



Series 1		1160A	1960A	1162A
<b>Functions</b>				
Balanced dial		●	●	
Continuous dial				●
Reverse reading				●
One revolution			●	
Shockproof			●	

### Optional accessories

No.	Description
21AAB363	Limit Hands (Green) 2 pcs., Dial Indicator Series 1, Test Indicator
136568	Holding Bar for Back Plunger Indicator, $\varnothing$ 8 mm, 81 mm Length
21AAA168	Holding Bar for Back Plunger Indicator, $\varnothing$ 8 mm, 42 mm Length
136567	Holding Bar for Back Plunger Indicator, $\varnothing$ 6 mm, 81 mm Length
21AAA166	Holding Bar for Back Plunger Indicator, $\varnothing$ 6 mm, 42 mm Length

### Consumable spares

No.	Description
21AZA319	Contact Element Ball Point, M2,5x0,45, 8,3 mm Length, Metric

For accessories and contact points, see end of dial indicators section.



With optional holding bar



1160A



1162A



1960A

### Metric

No.	Range [mm]	Plunger Stroke [mm]	Range per rev.	Dial reading	Graduation [mm]	Measuring force
1160A	5		1 mm	$\pm$ 0-100	0,01	0,4-1,4 N
1162A	5		1 mm	100-0	0,01	0,4-1,4 N
1960A	1	4	1,27 mm	50-0-50	0,01	0,4-1,4 N

No.	MPE any 1/10 revolution [ $\mu$ m]	MPE any 1/2 revolution [ $\mu$ m]	MPE any 1 revolution [ $\mu$ m]	MPE measuring range [ $\mu$ m]	H MPE (Hysteresis) [ $\mu$ m]	R MPE (Repeatability) [ $\mu$ m]
1160A	7	11	12	18	4	3
1162A	7	11	12	18	4	3
1960A	7			15	3,5	3

No.	Mass [g]	A [mm]	B [mm]	C [mm]	E [mm]	F [mm]	G [mm]	H [mm]
1160A	80	40	22,7	35,6	24,3	25	13,8	43,3
1162A	80	40	22,7	35,6	24,3	25	13,8	43,3
1960A	80	40	22,7	35,6	24,3	28,7	12,8	46

