

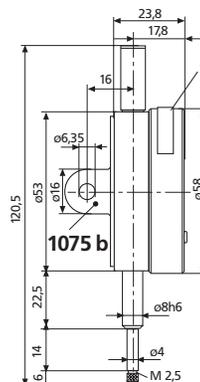
## Digital Indicator 1075 / 1080



1075



(shown with 1075 b - not supplied)



- 1 Protection cap for lifter
- 2 Measuring spindle lifter
- 3 Display
- 4 Operating buttons
- 5 Mounting shank
- 6 Measuring spindle
- 7 Contact point 901
- 8 Data output
- 9 Battery compartment

1080



### Features

#### Functions:

- ON/OFF
- 0 (Set display to zero) mm/inch
- Reversal of counting direction
- PRESET (for entering a numerical value)
- DATA (data transmission with a data connection cable)

- Capacitive measuring system, life of battery approx. 2 years
- Max measuring speed 1.5 m/sec (60"/sec)
- Data output: either OPTO RS232C or Digimatic
- High contrast Liquid Crystal Display with 8.5 mm high digits
- Operating temperature 10-40°C
- Class of protection IP51 according to IEC 529

### Technical Data

	Measuring range mm (inch)	Resolution mm/inch	Span of error G * mm	Measuring force N	Weight g	Order no.
1075	12.5 (.5")	0.01/ .0005"	0.025	0.6 - 1	120	4336400
1075	12.5 (.5")	0.01/ .0005"	0.025	0.6 - 1	120	4336410**
1080	12.5 (.5")	0.005/ .0001"	0.015	0.6 - 1	120	4336500

\* in any zero point

\*\* .375" stem diameter and removable lug back

### Accessories

	Order no.	Additional Accessories	Page
Battery 3V, Type CR 2032	4102520	Contact Points	901-913 5-45
Data Connection Cable Opto RS232C (2 m), with SUB-D jack 9-pin	16 EXr 4102410	Special Holder	941 5-46
Data Connection Cable Digimatic (2 m), Flat plug 10-pin	16 EXd 4102411	Sensor Lever	943 5-46
Adapter bush for adapting mounting shank 8h6 mm to inch bore .375"	940 4310103	Accessories for Data Processing see Chapter 11	
Lug back, removable	1075 b 4336565		

## Contact Points and Accessories for Dial Indicators, Dial Comparators and Probes

### Standard Contact Points 901

Ball dia. 3 mm

Catalog no.		Order no.
901	with steel ball	4360001
901 H	with carbide ball	4360002
901 R	with ruby ball	4360003

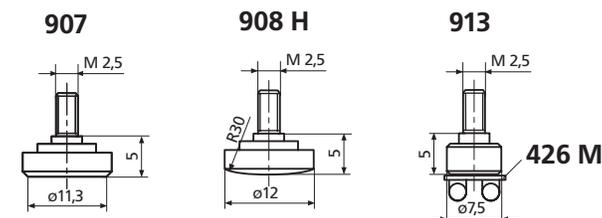
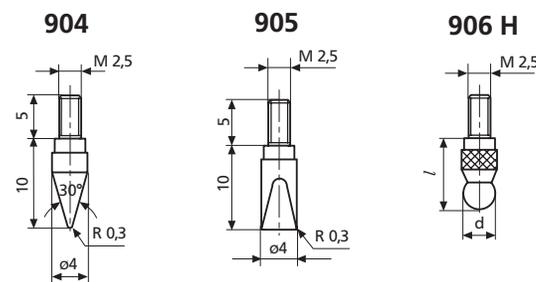
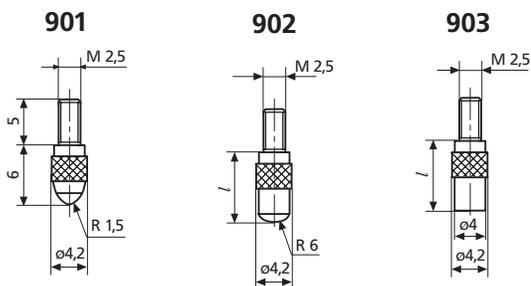
### Spherical Contact Points 902 Flat Contact Points 903

902 Steel	902 H Carbide contact face	903 Steel	903 H Carbide tipped
Length mm	Order no.	Order no.	Order no.
4	4360007	-	4360070
6	4360009	-	4360071
8	4360010	4360040	4360072
10	4360011	4360041	4360073
12	4360012	4360042	4360074
15	4360013	4360043	4360075
20	4360014	4360044	4360076
25	4360015	4360045	4360077
30	4360016	4360046	4360300
35	4360017	4360047	4360078
40	4360019	4360049	4360310
45	4360026	4360050	4360303
50	4360018	4360048	4360079
55	4360031		4360109
65	4360035		
75	4360020		
85	4360036		
95	4360029		

### Ball Contact Point 906 H

with carbide ball, accuracy ball dia. 0/-6µm

Ball dia. d mm	l mm	Order no.	Ball dia. d mm	l mm	Order no.
1	8.5	4360150	5.5	9	4360161
1.25	8.5	4360151	6	9	4360162
1.5	8.5	4360152	6.35 (1/4")	9	4360163
1.75	8.5	4360153	6.5	10	4360164
2	8.5	4360154	7	10	4360165
2.5	8.5	4360155	7.5	11	4360166
3	8.5	4360156	8	11	4360167
3.5	8.5	4360157	8.5	12	4360168
4	8.5	4360158	9	12	4360169
4.5	8.5	4360159	10	13	4360170
5	9	4360160			



### Special Contact Points

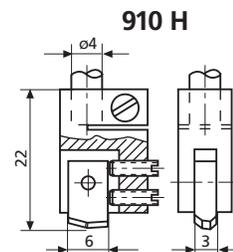
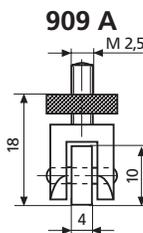
	Order no.
Conical Contact Points, Steel	904
Carbide tipped	904 H
Wedge Shaped Contact Points, Steel	905
Carbide tipped	905 H
Flat Contact Points, Steel, A = 1 cm <sup>2</sup>	907
Carbide tipped, dia. 7 mm	907 H
Spherical Contact Points, Steel	908
Carbide tipped	908 H
Flat Contact Point, for mounting Pin Gage Holder 426 M for measuring threads using three-wire method	913
	4360400

## Contact Points and Accessories for Dial Indicators, Dial Comparators and Probes

### Contact Rollers 909

Concentricity error 3 μm

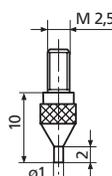
		Order no.
Cylindrical Roller	909 A	4360220
Radiused Roller, R = 5 mm	909 B	4360221



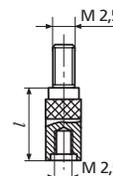
### Measuring Attachment 910 H

	Order no.
with parallel adjustable carbide wedges	910 H 4360230

### 911 H



### 912



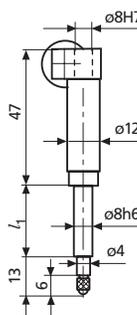
### Pin Contact Point 911 H

	Order no.
Carbide tipped, dia. 1 mm, flat	911 H 4360240

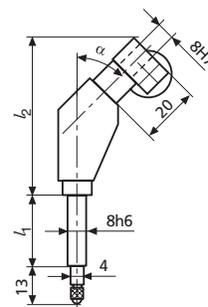
### Measuring Spindle Extensions 912

Length l mm	Order no.	Length l mm	Order no.
10	4360250	35	4360254
15	4360251	50	4360255
20	4360252	75	4360256
25	4360253	100	4360257

### 941 G



### 941 W



### Special Holder 941

For all types of measuring equipment  
 For placing a dial indicator at a certain distance or angle  
 Travel of the measuring spindle 3 mm  
 Contact Point 901 (interchangeable)

**Straight Holder 941 G**  
 Mounting shank length  $l_1$  mm

**Angular Holder 941 W**

Order no.	$l_2$ mm
4365000	53.7
4365001	49.3
4365002	34.5

Order no.	Angle $\alpha$	$l_2$ mm	Order no.	Angle $\alpha$	$l_2$ mm
4365010*	45°	53.7	4365020	60°	49.3
4365011	45°	49.3	4365021	60°	34.5
4365012	45°	34.5	4365022	60°	34.5
				90°	34.5

Transmission error with the 941 W  
 max. 1%;  
 for travel 3 mm = 0.03 mm

\* includes anvil

### Sensor Level 943

	Order no.
For testing concentricity in bore holes as well as difficult to reach outside diameters To be inserted in a measuring stand with a lifting device Contact Point 901 interchangeable Travel ±1 mm	4367000

