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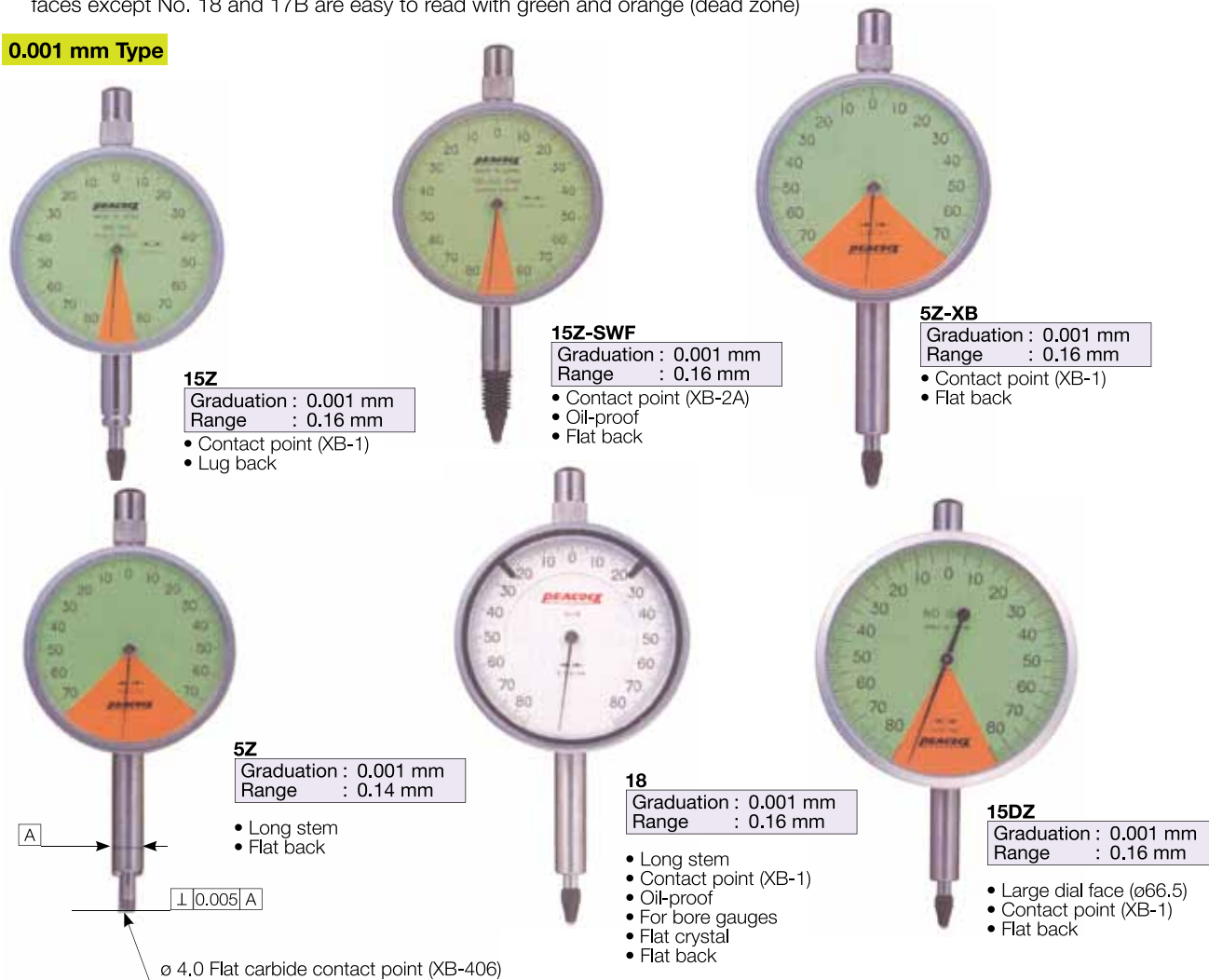
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One Revolution Dial Gauges

0.001 mm Z series

- These are high-accuracy dial gauges with the pointer giving less than a full turn that can resist rigorous continuous measurement. The long stem is made of stainless steel, is high in strength and is malfunction-free due to fastening. The dial faces except No. 18 and 17B are easy to read with green and orange (dead zone)

0.001 mm Type



Specifications

(unit : μm)

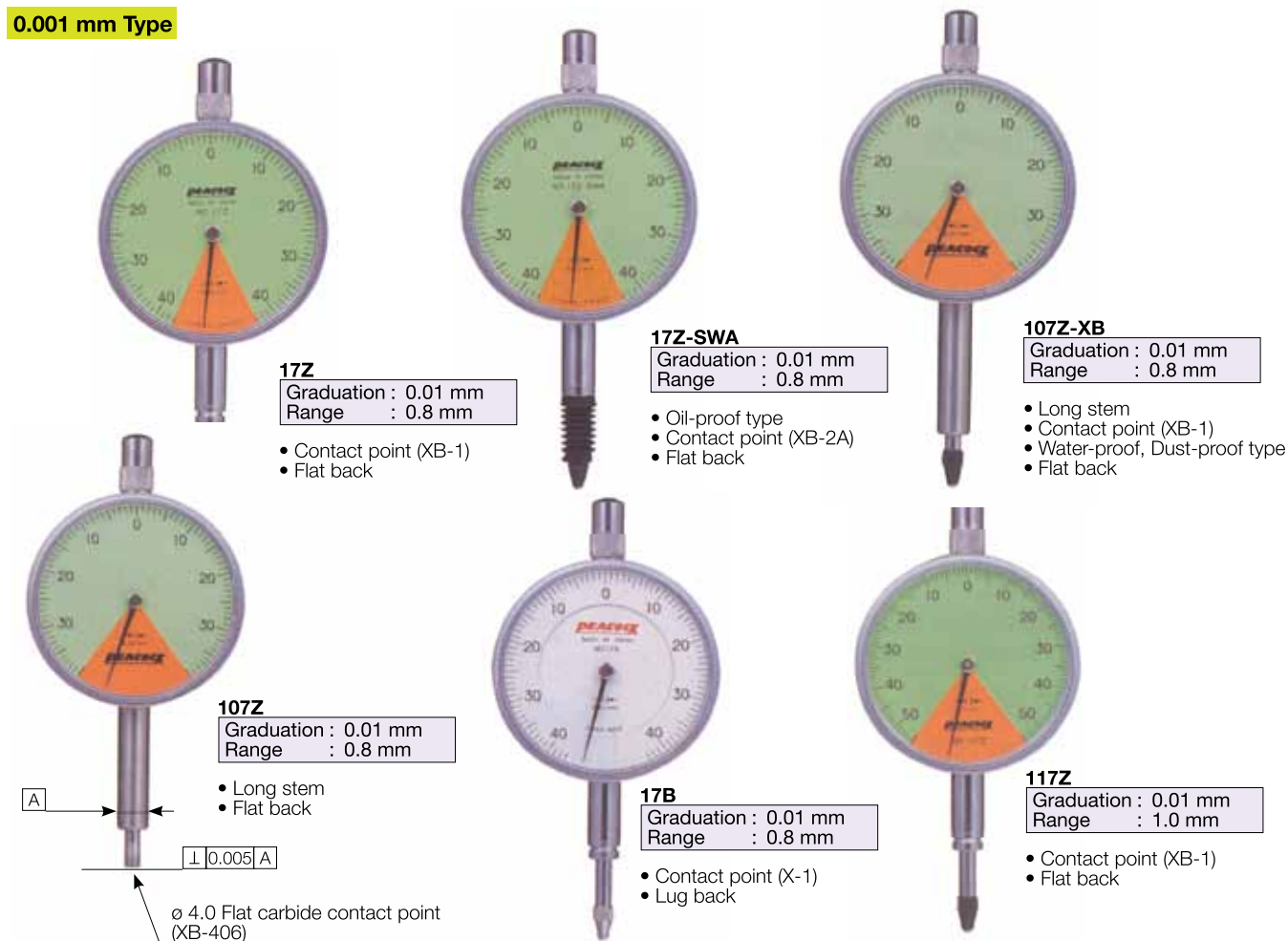
Model	Graduation (mm)	Range (mm) (Free Stroke)	Reading	Indication error					Backward error	Repeatability	Measuring force less than (N)
				1/10 revolution	1/2 revolution	One revolution	Two revolutions	Whole measuring Range			
15Z	0.001	0.16 (3.0)	80-0-80	2.5	± 3	± 4	-	-	3	0.5	1.5
15Z-SWF	0.001	0.16 (3.0)	80-0-80	2.5	± 3	± 4	-	-	3	0.5	1.5
5Z-XB	0.001	0.14 (3.0)	70-0-70	2.5	± 3	± 4	-	-	3	0.5	1.5
5Z	0.001	0.14 (3.0)	70-0-70	2.5	± 3	± 4	-	-	3	0.5	1.5
18	0.001	0.16 (3.0)	80-0-80	2.5	± 3	± 4	-	-	3	0.5	1.5
17Z	0.01	0.8 (0.7)	40-0-40	8	± 9	± 10	-	-	5	5	1.4
17Z-SWA	0.01	0.8 (0.7)	40-0-40	8	± 9	± 10	-	-	5	5	1.4
107Z-XB	0.01	0.8 (0.7)	40-0-40	8	± 9	± 10	-	-	5	5	1.4
107Z	0.01	0.8 (0.7)	40-0-40	8	± 9	± 10	-	-	5	5	1.4
17B	0.01	0.8 (0.7)	40-0-40	8	± 9	± 10	-	-	5	5	1.4
15DZ	0.001	0.16 (3.0)	80-0-80	2.5	± 3	± 4	-	-	3	0.7	1.5
117Z	0.01	1.0 (0.7)	50-0-50	8	± 9	± 10	-	-	5	5	1.4

One Revolution Dial Gauges

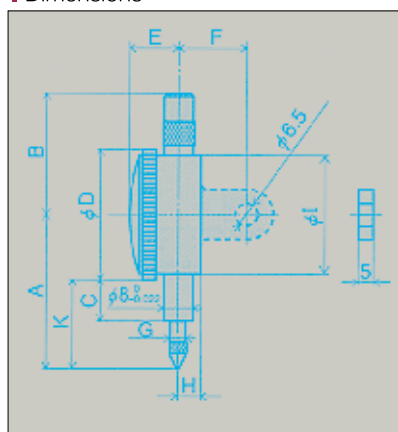
0.01 mm Z series

- These are high-accuracy dial gauges with the pointer giving less than a full turn that can resist rigorous continuous measurement. The long stem is made of stainless steel, is high in strength and is malfunction-free due to fastening. The dial faces except No. 18 and 17B are easy to read with green and orange (dead zone)

0.001 mm Type



Dimensions



Sizes

Model	A	B	C	D	E	F	G	H	I	K
15Z (15ZL)	60	41.5	18.5	53	14.5	(20)	4	6.5	49	33.5
15Z-SWF (15Z-SWFL)	62.5									36
5Z-XB (5Z-XBL)	69.4		30	55	16.8					42.9
5Z (5ZL)	66.4									39.9
18 (18L)	69.4		29	41.9						
17Z (17ZL)	65		18.5	53	14.5					38.5
17Z-SWA (17Z-SWAL)	65									38.5
107Z-XB (107Z-XBL)	69.4		30							42.9
107Z (107ZL)	66.4									39.9
17B (17BFL)	65	40.5	18.5		20(-)	38.5				
117Z (117ZL)	65	41.5	18.5		(20)		38.5			
15DZ (15DZL)	69.4	41.5	23.7	66.5		15.5	7.6	36		

Note - () indicates the model number of lug back and its size. Both lug back and flat back share the same size except for the items listed under column F.

Note - 17B is standardized lug back 17BF is flat back.

Note - Lug back design : 47ZL, 47Z-XBL, 47SZL.

Standard Dial Gauges

0.001 mm and 0.005 mm

Dial Gauges are widely used manufacturing plants.

- The stem, made of SK quench hardened with strength, is malfunction-free due to fastening.
- The shock-proof mechanism prevents gears from damage due to shocks arisen by abruptly pushing up the spindle.
- The turning section of the outer frame sealed by the O-ring and the back inside sealed by the packing are water-proof and dust-proof in construction.
- The back is increased in strength by four screws, and the lug can be turned 90 degrees in the installation way.

<HG>

High Precision Type



5B-HG

Graduation : 0.001 mm
Range : 1 mm

- Indication error $\pm 3 \mu\text{m}$
- Retrace error $2 \mu\text{m}$
- Includes accuracy certification
- Lug back



5-DX

Graduation : 0.001 mm
Range : 1 mm

- Durable type
(Spindle $\phi 5 \text{ mm}$)
- Lug back



5B

Graduation : 0.001 mm
Range : 1 mm

- Lug back



5F

Graduation : 0.001 mm
Range : 1 mm

- Flat back



25

Graduation : 0.001 mm
Range : 2 mm

- Lug back

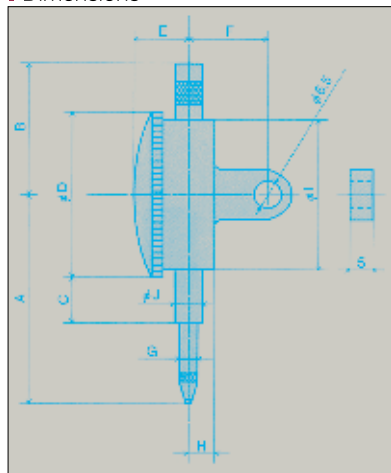


5-SWF

Graduation : 0.001 mm
Range : 1 mm

- Oil-proof type
- Contact point (X-2A)
- Lug back

Dimensions

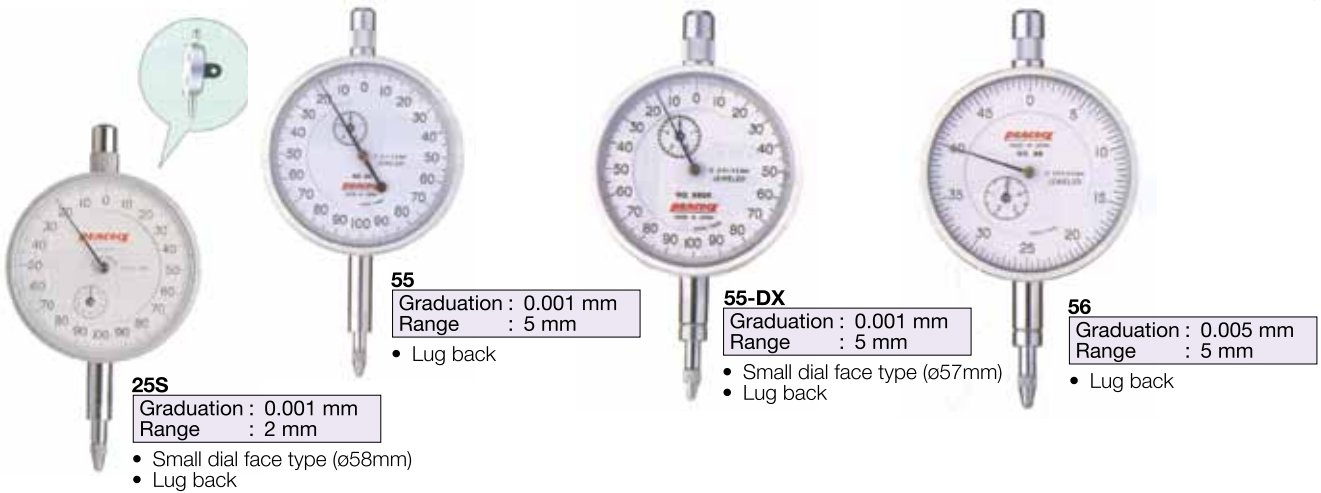


Dimension of Dial Gauges

Standard 0.001 mm 0.005 mm

(mm)

Model	A	B	C	D	E	F	G	H	I	J
5B-HG	60	41.5	18.5	53	14.5	20	4	6.5	49	$8.0^{+0.022}_{-0.022}$
5-DX	60	42.6	17	55.7	14.5	20	5	7	52	$8.0^{+0.03}_{-0.03}$
5B	60	41.5	18.5	53	14.5	20	4	6.5	49	$8.0^{+0.022}_{-0.022}$
5F	60	41.5	18.5	53	14.5	-	4	6.5	49	$8.0^{+0.022}_{-0.022}$
5-SWF	63	41.5	17.5	55	15	20	4	6.5	49	$8.0^{+0.022}_{-0.022}$
25	72	42	25	66.5	14.5	20	4	7.5	62.5	$8.0^{+0.03}_{-0.03}$
25S	60	42.6	17	55.7	14.5	20	5	7	52	$8.0^{+0.03}_{-0.03}$
55	73	52	25	66	17	20	4.5	7	62.5	$8.0^{+0.03}_{-0.03}$
55-DX	62	44.5	17	57	17	19.5	4.5	6.5	52	$8.0^{+0.03}_{-0.03}$
56	62	44.5	17	57	17	19.5	4.5	6.5	52	$8.0^{+0.03}_{-0.03}$



Specifications

(unit : μm)

Model	Graduation (mm)	Range (mm)	Reading	Indication error					Backward error	Repeatability	Measuring force less than (N)
				1/10 revolution	1/2 revolution	One revolution	Two revolutions	Whole measuring range			
5B-HG	0.001	1	0-100-0	2	± 2	± 3	± 3	± 3	2	0.5	1.5
5-DX	0.001	1	0-100-0	2.5	± 3	± 4	± 4	± 5	3	0.5	1.5
5B	0.001	1	0-100-0	2.5	± 3	± 4	± 4	± 5	3	0.5	1.5
5F	0.001	1	0-100-0	2.5	± 3	± 4	± 4	± 5	3	0.5	1.5
5-SWF	0.001	1	0-100-0	2.5	± 3	± 4	± 4	± 5	3	0.5	1.5
25	0.001	2	$\pm 0-100-100$	4	± 5	± 6	± 6	± 7	3	0.5	1.5
25S	0.001	2	0-100-0	4	± 5	± 6	± 6	± 7	3	0.5	1.5
55	0.001	5	0-100-0	5	± 6	± 7	± 8	± 10	4	1	1.5
55-DX	0.001	5	0-100-0	5	± 6	± 7	± 8	± 10	4	1	1.5
56	0.005	5	0-25-50	6	± 10	± 10	± 12	± 12	5	5	1.5

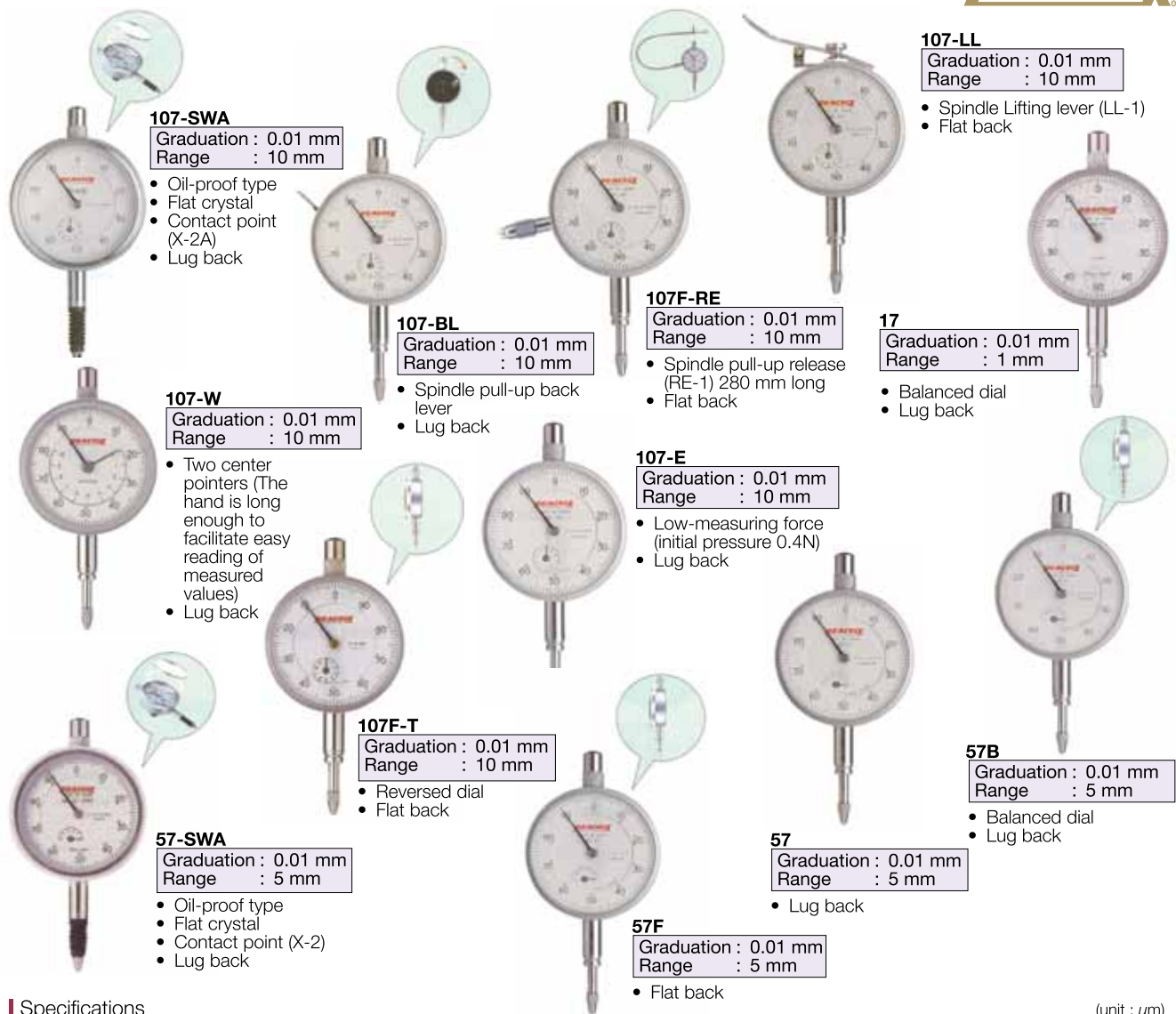
Standard Dial Gauges

0.01 mm

Dial Gauges are widely used manufacturing plants.

- The stem, made of SK quench hardened with strength, is malfunction-free due to fastening.
- The shock-proof mechanism prevents gears from damage due to shocks arisen by abruptly pushing up the spindle.
- The turning section of the outer frame sealed by the O-ring and the back inside sealed by the packing are waterproof and dust-proof in construction.
- The back is increased in strength by four screws, and the lug can be turned 90 degrees in the installation way.





Specifications

(unit : μm)

Model	Graduation (mm)	Range (mm)	Reading	Indication error					Backward error	Repeatability	Measuring force less than (N)
				1/10 revolution	1/2 revolution	One revolution	Two revolutions	Whole measuring range			
107-HG	0.01	10	$\pm 0-50-100$	6	± 7	± 8	± 10	± 10	4	5	1.4
107-DX	0.01	10	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
107	0.01	10	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
107F	0.01	10	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
107-SWA	0.01	10	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
107-BL	0.01	10	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
107F-RE	0.01	10	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
107-LL	0.01	10	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
107-W	0.01	10	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
107F-T	0.01	10	$\pm 100-50-0$	8	± 9	± 10	± 15	± 15	5	5	1.4
107-E	0.01	10	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	initial pressure 0.4
17	0.01	1	0-50-0	8	± 9	± 10	-	-	5	5	1.4
57-SWA	0.01	5	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
57	0.01	5	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
57F	0.01	5	$\pm 0-50-100$	8	± 9	± 10	± 15	± 15	5	5	1.4
57B	0.01	5	0-50-0	8	± 9	± 10	± 15	± 15	5	5	1.4

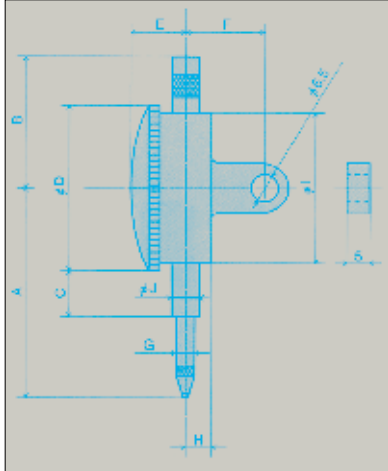
Long Travel Dial Gauges

0.01 mm, 0.05mm and 0.1 mm

Dial Gauges are widely used manufacturing plants.

- The stem, made of SK quench hardened with strength, is malfunction-free due to fastening.
- The shock-proof mechanism prevents gears from damage due to shocks arisen by abruptly pushing up the spindle.
- The turning section of the outer frame sealed by the O-ring and the back inside sealed by the packing are water-proof and dust-proof in construction.
- The back is increased in strength by four screws, and the lug can be turned 90 degrees in the installation way.

Dimensions



Dimension of Dial Gauges

Standard 0.01 mm

(mm)

Model	A	B	C	D	E	F	G	H	I	J
107-HG	65	41.5	18.5	53	14.5	20	4	6.5	49	8.0 ⁰ _{-0.03}
107-DX	65	50.7	17	55.7	14.5	20	5	7	52	8.0 ⁰ _{-0.03}
107	65	41.5	18.5	53	14.5	20	4	6.5	49	8.0 ⁰ _{-0.03}
107F	65	41.5	18.5	53	14.5	-	4	6.5	49	8.0 ⁰ _{-0.03}
107-SWA	65	41.5	17.5	55	15	20	4	6.5	49	8.0 ⁰ _{-0.03}
107-BL	65	41.5	18.5	53	14.5	-	4	6.5	49	8.0 ⁰ _{-0.03}
107F-RE	65	41.5	18.5	53	14.5	20	4	6.5	49	8.0 ⁰ _{-0.03}
107-LL	65	-	18.5	53	14.5	20	4	6.5	49	8.0 ⁰ _{-0.03}
107-W	65	41.5	17.5	55	17	20	4	6.5	49	8.0 ⁰ _{-0.03}
107F-T	65	41.5	18.5	53	14.5	-	4	6.5	49	8.0 ⁰ _{-0.03}
107-E	65	41.5	18.5	53	14.5	20	4	6.5	49	8.0 ⁰ _{-0.03}
17	65	41.5	18.5	53	14.5	20	4	6.5	49	8.0 ⁰ _{-0.03}
57-SWA	65	41.5	18.5	55	15	20	4	6.5	49	8.0 ⁰ _{-0.03}
57	65	41.5	18.5	53	14.5	20	4	6.5	49	8.0 ⁰ _{-0.03}
57F	65	41.5	18.5	53	14.5	-	4	6.5	49	8.0 ⁰ _{-0.03}
57B	65	41.5	18.5	53	14.5	-	4	6.5	49	8.0 ⁰ _{-0.03}



207

Graduation : 0.01 mm
Range : 20 mm

- Lug back

The position of the lever can be installed either right or left.



207S-LL

Graduation : 0.01 mm
Range : 20 mm

- Spindle lifting lever (LL-1)
- Small dial face type (ø53mm)
- Lug back



307S

Graduation : 0.01 mm
Range : 30 mm

- Small dial face type (ø53mm)
- Contact point (X-2)
- Lug back



207W

Graduation : 0.01 mm
Range : 20 mm

- Two center pointers (The hand is long enough to facilitate easy reading of measured values)
- Lug back



207F-T

Graduation : 0.01 mm
Range : 20 mm

- Reversed dial
- Flat back



207F-PL

Graduation : 0.01 mm
Range : 20 mm

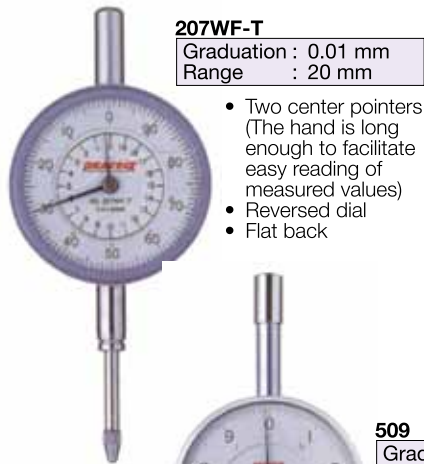
- Pump type spindle pull-up lever
- Flat back



207S

Graduation : 0.01 mm
Range : 20 mm

- Small dial face type (ø53mm)
- Lug back



207WF-T
Graduation : 0.01 mm
Range : 20 mm

- Two center pointers (The hand is long enough to facilitate easy reading of measured values)
- Reversed dial
- Flat back



307
Graduation : 0.01 mm
Range : 30 mm

- Lug back



509
Graduation : 0.05 mm
Range : 50 mm

- Absorb a shock contact point
- Lug back



809
Graduation : 0.1 mm
Range : 80 mm

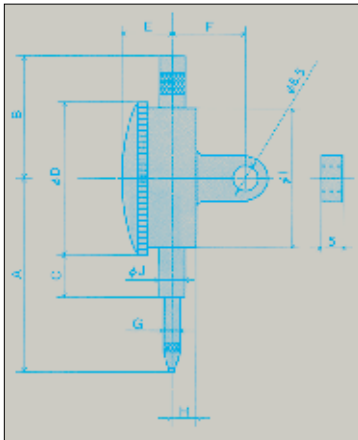
- Lug back



507
Graduation : 0.01 mm
Range : 50 mm

- Lug back

Dimensions



Dimension of Dial Gauges

Long Travel 0.01 mm 0.005 mm 0.1 mm

(mm)

Model	A	B	C	D	E	F	G	H	I	J
207	90	41	25	66.5	14.5	20	5	7.5	62.5	8.0 ⁰ _{-0.03}
207F-PL	90	41	25	66.5	14.5	-	5	7.5	62.5	8.0 ⁰ _{-0.03}
207F-T	90	41	25	66.5	14.5	-	5	7.5	62.5	8.0 ⁰ _{-0.03}
207S-LL	75	50.5	18.5	53	14.5	20	4	6.5	49	8.0 ⁰ _{-0.03}
207S	75	50.5	18.5	53	14.5	20	4	6.5	49	8.0 ⁰ _{-0.03}
207W	75	50.5	17.5	55	17	20	4	6.5	49	8.0 ⁰ _{-0.03}
207WF-T	75	50.5	17.5	55	17	-	4	6.5	49	8.0 ⁰ _{-0.03}
307S	107	89	22	57	17.5	20	5	7	52	8.0 ⁰ _{-0.03}
307	102	46	22.8	75.5	17.5	21	5	8	72.5	8.0 ⁰ _{-0.03}
507	128	81.5	26.7	81.5	17.5	21.5	5.5	8.5	78.5	10.0 ⁰ _{-0.03}
509	131	94.5	26.7	81.5	17.5	21.5	5.5	8.5	78.5	10.0 ⁰ _{-0.03}
809	201.5	86.5	54	112	24	22.5	6	10	108	14.0 ⁰ _{-0.03}

Specifications

(unit : μ m)

Model	Graduation (mm)	Range (mm)	Reading	Indication error					Backward error	Repeatability	Measuring force less than (N)
				1/10 revolution	1/2 revolution	One revolution	Two revolutions	Whole measuring range			
207	0.01	20	$\pm 0-50-100$	10	-	± 15	-	± 20	7	5	2.0
207F-PL	0.01	20	$\pm 0-50-100$	10	-	± 15	-	± 20	7	5	2.0
207F-T	0.01	20	$\pm 100-50-0$	10	-	± 15	-	± 20	7	5	2.0
207S-LL	0.01	20	$\pm 0-50-100$	10	-	± 15	-	± 20	7	5	2.0
207S	0.01	20	$\pm 0-50-100$	10	-	± 15	-	± 20	7	5	2.0
207W	0.01	20	$\pm 0-50-100$	10	-	± 15	-	± 20	7	5	2.0
207WF-T	0.01	20	$\pm 100-50-0$	10	-	± 15	-	± 20	7	5	2.0
307S	0.01	30	$\pm 0-50-100$	14	-	± 18	-	± 25	7	5	2.2
307	0.01	30	$\pm 0-50-100$	14	-	± 18	-	± 25	7	5	2.2
507	0.01	50	$\pm 0-50-100$	15	-	± 20	-	± 35	9	5	2.5
509	0.05	50	$\pm 0-5-10$	30	-	± 100	-	± 100	10	20	2.5
809	0.1	80	$\pm 0-5-10$	50	-	± 100	-	± 100	-	35	2.5

Miniature Dial Gauges

0.001 mm, 0.005mm and 0.01 mm

- These compact size dial gauges are equipped with small dial faces. They are especially use ful for measuring jigs, in restricted areas.



5S
Graduation : 0.001 mm
Range : 1 mm
• Contact point (X-107)
• Flat back



47
Graduation : 0.01 mm
Range : 4 mm
• Contact point (X-107)
• Lug back



47F
Graduation : 0.01 mm
Range : 4 mm
• Contact point (X-107)
• Flat back



57S
Graduation : 0.01 mm
Range : 5 mm
• Contact point (X-105)
• Lug back

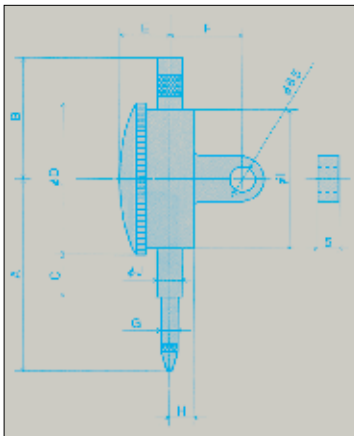


36A
Graduation : 0.005 mm
Range : 3 mm
• Contact point (X-107)
• Lug back



36B
Graduation : 0.01 mm
Range : 3 mm
• Contact point (X-107)
• Lug back

Dimensions



Dimension of Dial Gauges
Miniature 0.01 mm 0.005

Model	A	B	C	D	E	F	G	H	I	J
5S	43.2	30.5	12.9	40.8	12.5	-	4	5.1	37	8.0 ⁰ _{-0.03}
47	39.5	20	9.5	36	13	15	3.5	5.8	32	8.0 ⁰ _{-0.03}
47F	37.5	20	9.5	36	13	-	3.5	5.8	32	8.0 ⁰ _{-0.03}
57S	41.3	27.4	10	39	14	19	4	5.1	36.5	8.0 ⁰ _{-0.03}
36A	46.2	30.5	12.9	40.8	12.5	19	4	5.1	37	8.0 ⁰ _{-0.03}
36B	46.2	30.5	12.9	40.8	12.5	19	4	5.1	37	8.0 ⁰ _{-0.03}

Specifications

(unit : μ m)

Model	Graduation (mm)	Range (mm)	Reading	Indication error					Backward error	Repeatability	Measuring force less than (N)
				1/10 revolution	1/2 revolution	One revolution	Two revolutions	Whole measuring range			
5S	0.001	1	$\pm 0-100-100$	5	± 6	± 7	± 8	± 10	4	1.5	1.5
47	0.01	4	0-50-0	9	-	± 13	-	± 15	6	5	1.4
47F	0.01	4	0-50-0	9	-	± 13	-	± 15	6	5	1.4
57S	0.01	5	$\pm 0-50-100$	9	-	± 13	-	± 15	6	5	1.4
36A	0.005	3	$\pm 0-25-50$	9	-	± 13	-	± 15	6	5	1.4
36B	0.01	3	0-25-50	9	-	± 13	-	± 15	6	5	1.4

Back Plunger Type Dial Gauges

0.01 mm

- The back plunger dial gauge is characterized with easy handling since the spindle having the contact point moves in the direction perpendicular to the dial face and the gauge is more compact.
- The dial gauge of this type is convenient for use in achieving a parallelism of the table of the machine tool, with measuring jigs, in restricted areas and on locations where scale reading is difficult.



196A
Graduation : 0.01 mm
Range : 5 mm

- Stem $\phi 6.35$ mm
- Contact point (X-1)



196A-6
Graduation : 0.01 mm
Range : 5 mm

- Stem $\phi 6$ mm
- Contact point (X-1)



196B-T
Graduation : 0.01 mm
Range : 5 mm

- Stem $\phi 8$ mm
- Reversed dial
- Contact point (X-112)



196Z
Graduation : 0.01 mm
Range : 0.8 mm

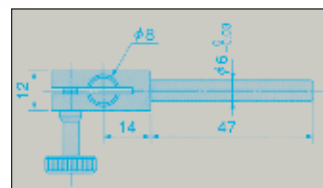
- Stem $\phi 8$ mm
- Pointer giving less than one revolution
- Contact point (X-112)



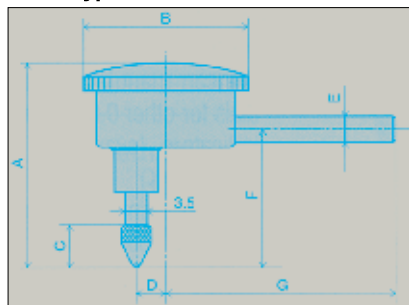
196B
Graduation : 0.01 mm
Range : 5 mm

- Stem $\phi 8$ mm
- Contact point (X-112)

Holder for 196B



196A Type



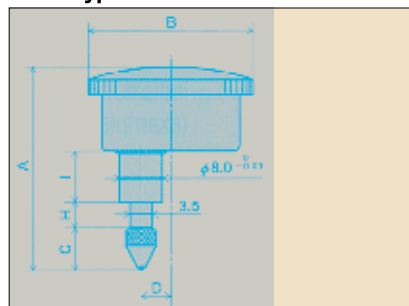
Dimension of Dial Gauges

Back Plunger 0.01 mm

(mm)

Model	A	B	C	D	E	F	G
196A	44	38	9	4.5	6.35	28.1	57
196A-6	44	38	9	4.5	6	28.1	57

196B Type



Dimension of Dial Gauges

Back Plunger 0.01 mm

(mm)

Model	A	B	C	D	E	F	G	H	I
196B	58.5	38	12.5	4.5	-	-	-	5.5	16.5
196B-T	58.5	38	12.5	4.5	-	-	-	5.5	16.5
196Z	58.5	38	12.5	4.5	-	-	-	5.5	16.5

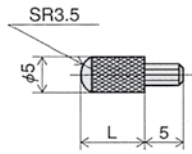
Specifications

(unit : μ m)

Model	Graduation (mm)	Range (mm)	Reading	Indication error					Backward error	Repeatability	Measuring force less than (N)
				1/10 revolution	1/2 revolution	One revolution	Two revolutions	Whole measuring range			
196A	0.01	5	0-50-100	10	± 12	± 15	± 20	± 20	6	5	1.4
196A-6	0.01	5	0-50-100	10	± 12	± 15	± 20	± 20	6	5	1.4
196Z	0.01	0.8	40-0-40	10	± 12	± 15	-	-	6	5	1.4
196B	0.01	5	0-50-100	10	± 12	± 15	± 20	± 20	6	5	1.4
196B-T	0.01	5	100-50-0	10	± 12	± 15	± 20	± 20	6	5	1.4

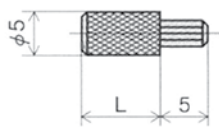
Replaceable Contact Point (Screw pitch M2.5x 0.45mm)

• XS-1 SERIES



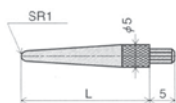
Part No.	L (mm)	Material
XS-1	8	SKS 3
XS-105	5	SKS 3
XS-110	10	SKS 3
XS-115	15	SKS 3
XS-120	20	SKS 3
XS-125	25	SKS 3
XS-130	30	SKS 3

• XS-2 SERIES



Part No.	L (mm)	Material
XS-2	8	SKS 3
XS-205	5	SKS 3
XS-210	10	SKS 3
XS-215	15	SKS 3
XS-220	20	SKS 3
XS-225	25	SKS 3
XS-230	30	SKS 3

• XS-3 SERIES



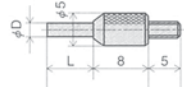
Part No.	L (mm)	Material
XS-3	25	SKS 3
XS-310	10	SKS 3
XS-315	15	SKS 3
XS-320	20	SKS 3
XS-330	30	SKS 3

• Ball Points



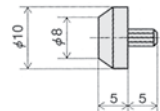
Part No.	L (mm)	Ball
XS-1	9	steel
XS-103	3.5	
XS-105	5	
XS-107	7.5	
XS-125	25	Carbide
XS-1	9	
XS-115	15	
XS-125	25	
XS-130	30	
XC-1	9	Ruby
XC-125	25	

• Needle Type Contact Point



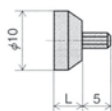
Part No.	φD (mm)	L (mm)	Material
XB-800	1	2	Carbide
XB-801	1.5	12	
XB-802	2	7	
XB-803	2	12	

• XS-4 SERIES



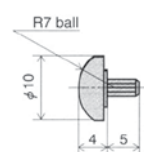
Part No.	L (mm)	Material
XS-4	5	SKS 3

• XS-5 SERIES



Part No.	L (mm)	Material
XS-5	5	SKS 3
XS-510	10	SKS 3

• XS-6 SERIES



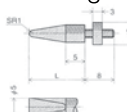
Part No.	L (mm)	Material
XS-6	4	SKS 3

• Contact point set XS



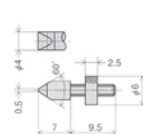
XS is provided with setting table for XS-1 to XS-6 contact points, and a case. Each type sold separately.

• Knife-edge Contact Point



Part No.	L (mm)	Material
XS-710	10	SKS 3
XS-715	15	SKS 3
XS-720	20	SKS 3
XS-725	25	SKS 3
XS-730	30	SKS 3

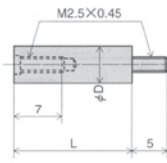
• Carbide Knife-edge Contact Point



Part No.	Material
XB-707	

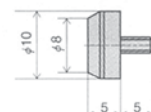
• Contact Point Joint

To extend the contact point, simply add the contact point joint.



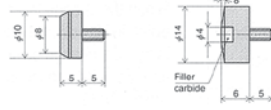
L (mm)	D (mm)	
	φ4	φ5
6	XJ-406	
10	XJ-410	XJ-510
15	XJ-415	
20	XJ-420	XJ-520
25	XJ-425	
30	XJ-430	XJ-530
35	XJ-435	
40	XJ-440	XJ-540
45	XJ-445	
50	XJ-450	XJ-550
55	XJ-455	
60	XJ-460	XJ-560
65	XJ-465	
70	XJ-470	
75	XJ-475	
80	XJ-480	
90	XJ-490	
100	XJ-400	

• Carbide Flat-Seated Contact Point



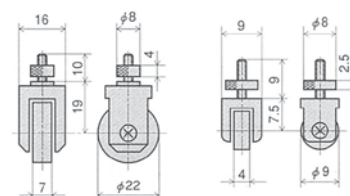
Part No.
XB-605

• Carbide Plain Contact Point



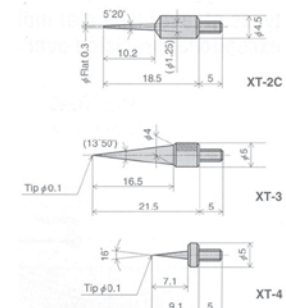
Part No.	L (mm)
XB-505	5
XB-506	6

• Roller Contact Point



Part No.	L (mm)
SH-1	φ22
SH-2	φ9

• Needle Contact Point

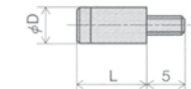


Part No.	φD (mm)	φD (mm)
XT-2C	18.5	SK 3
XT-3	21.5	SK 3
XT-4	9.1	SK 3

• Carbide Spherical Contact Point

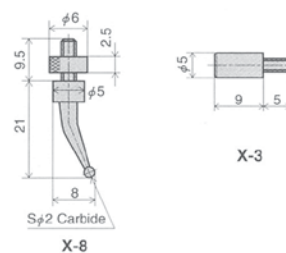
Part No.	L (mm)
XB-305	5
XB-308	8

• Carbide Flat Contact Point



Part No.	φD (mm)	φD (mm)
XB-405	5	5
XB-406	4	6
XB-408	5	8

• Carbide Contact Point



Part No.	Material	Remark
X-3	NSB	Anti-magnetic
X-4	Copper	
X-5	Bakelite	Flat seated Offset
X-6	Teflon	
X-7	Teflon	
X-8	Carbide	