MF20 Series

Turns Counting Dial

P3 AMERICA
PRECISION SENSORS & JOYSTICKS

MF20-22B

MF20-46B

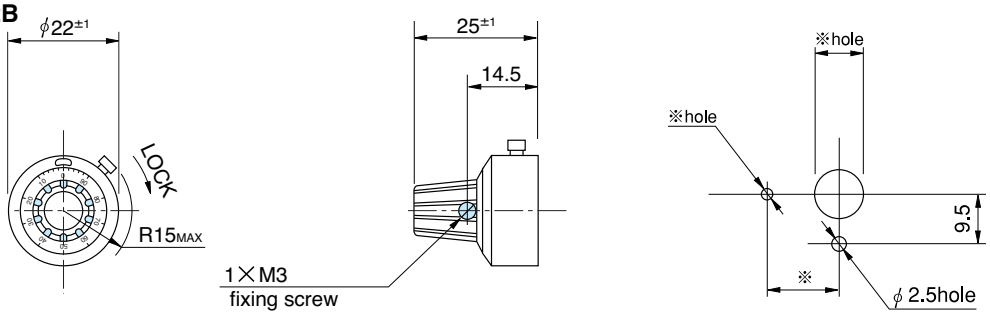
- Up to 20 Turns
- Flexible Coupling
- 22mm and 46mm Models
- Locking Device
- RoHS

General Specifications

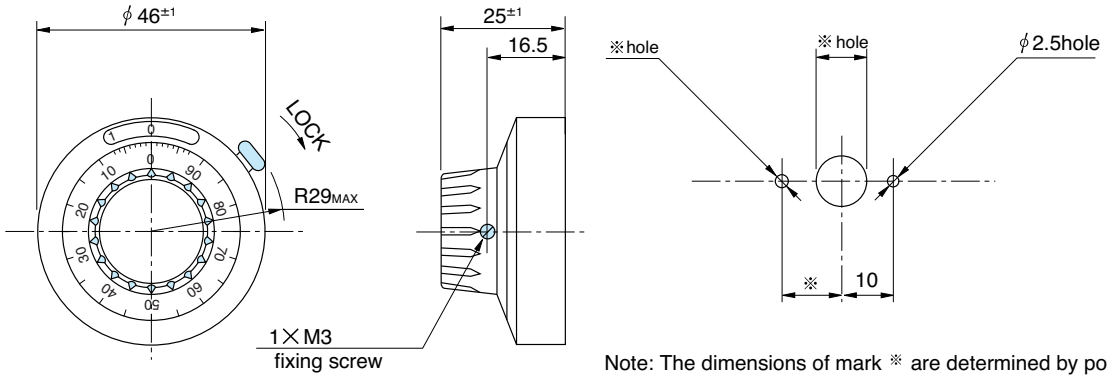
Model No	Number of Turns-Counting.	Matching Shaft Dia. (mm)		Combinable Potentiometer (Matching shaft length of 25mm)	Patented Flexible Coupling	Lock Device	Operating Temperature Range	Mass (Approx. g)
		Standard	Special					
MF20-22B	20	6	3, 3.175, 4, 6.35	**MT10 MT12(H) MT20(H) MT22(H) MT25 MT46**	YES	YES	-30℃～+60℃	25
MF20-46B	20	6	6.35	**MT20(H) MT22(H) MT25 MT46**	YES	YES	-30℃～+60℃	50

Dimensions (mm)

Model MF20-22B



Model MF20-46B



Note: The dimensions of mark ※ are determined by potentiometer.

P3 America, Inc.
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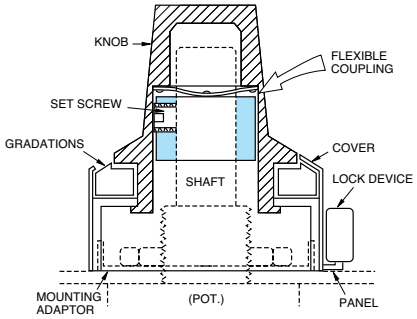
MF Dial Construction



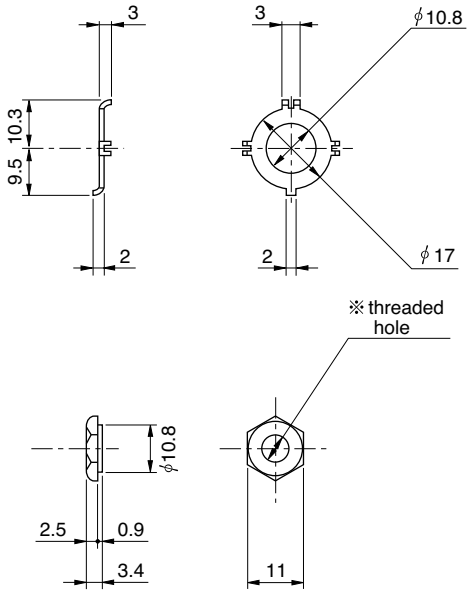
Flexible coupling incorporated

The MF20 dial is provided with a flexible coupling situated between the shaft of the potentiometer to be mounted and inner dial knob and therefore, the connection is entirely free and only the force of rotating direction is transmittable. With such unique device, traditional trouble such as irregular rotation and ununiform torque due to inaccurate mounting of the potentiometer on dial can be easily solved.

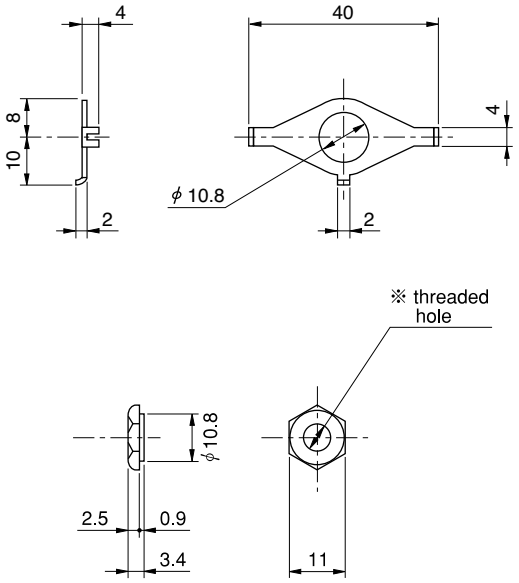
CAUTION: When rotating MF dial mounted with multi-turn potentiometer with over 20N (2kgf.) force, the flexible coupling may be damaged or broken. So, please take care of this fact during its operation.

Mounting Adaptors

For Model MF20-22B



For Model MF20-46B



Note: The dimensions of mark ※ are determined by the potentiometer to be mounted.

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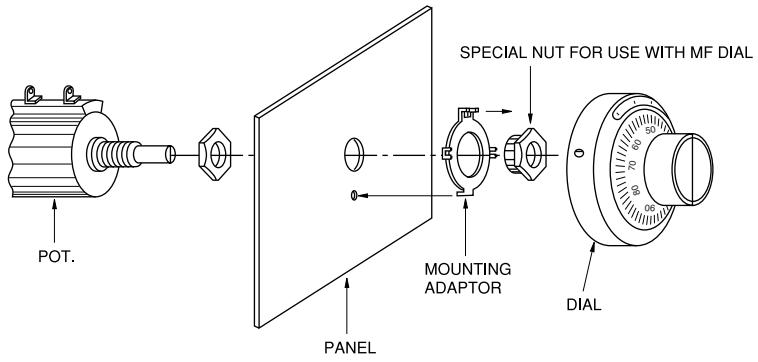
MF Dial Mounting



The mounting adaptor and special shaped nut are for use with MF dials and designated multi-turn potentiometers. Illustration above.

The shaft of the Helicalohm pot. is turned anticlockwise to its limit and is put into the mounting hole of the dial which was already set at "0" At the same time, 4 projections of the mounting adaptor are inserted in 4 receiving holes prepared on the base plate of the dial and then all parts should be pressed to the panel firmly to eliminate any space. The shaft of the potentiometer is fixed by the hexagonal nut positioned in the knob of the dial by screwing it with an attached hexagonal wrench. With this, the mounting is completed.

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