

# WP SERIES

## IP67 WATERPROOF PLASTIC ENCLOSURE



### What's IP67?

- IP Code is an "Ingress Protection Marking" under IEC 60529 and rates the degree of protection provided against the intrusion, dust, and water.

**IP6x : Completely protected against contact (dust tight)**

**IPx7 : No harmful effect against water when immersed into 1m depth water for 30 min**

#### High waterproof performance by silicone gasket

- High elasticity and good durability maintain high waterproof.
- Built-in Insert-nut use for great long lasting water protection even after frequent opening and closing.



#### ASA Plastic has the great weather resistance

- ASA plastic has greater resistance to the color change and aging by ultraviolet. Best suitable for outdoor transmitter.



#### Easy wall mount installation

- Easy mounting onto the wall or bracket by opening the blind lids.
- Blind lids cover wall-mounting screws and make neat looks.



#### Easy pole mount installation with optional bracket

- Easy installation onto the poles, pillars or posts with optional bracket.



## WP SERIES

## APPLICATION EXAMPLE

Best suitable for trasmitter, controller, measuring instrument and so on.



### How to make the waterproofed button and switch

- Please apply the membrane keypad or membrane switch in order to make the waterproofed Buttons or Switches.  
Note that the waterproof performance will be lost by drilling/milling holes or cutouts for buttons or switches on this kind of enclosures.



### How to make the waterproofed cable hole

- Please use our optional cable glands.  
Visit [www.takachi-enclosure.com](http://www.takachi-enclosure.com) and find your cable glands.



### Customize available



Contact us with your drawing

E-mail: [sales@takachi-el.co.jp](mailto:sales@takachi-el.co.jp)

# WP SERIES

## WP IP67 WATERPROOF PLASTIC ENCLOSURE

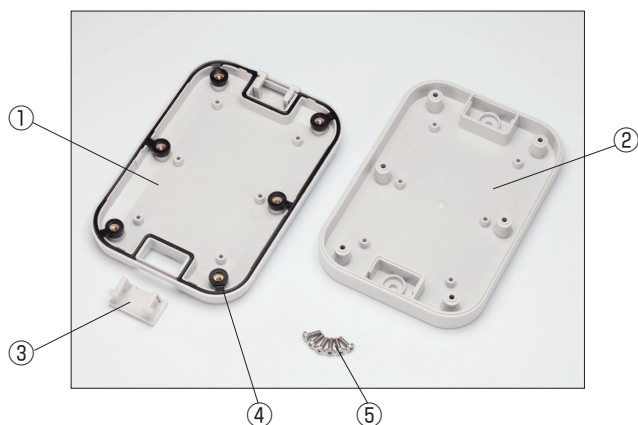


### Technical data

Protection class IP67

Operating temperature -10°C ~ +60°C

Maximum torque 0.25N·m ~ 0.35N·m

**NEW**


### FEATURE

- IP67 protection class enclosure.  
Prepared White gray for Weather-resistant and Charcoal gray for Flame-resistant.
- White Gray color version is perfect for outdoor use by using ASA plastic having great ultraviolet resistant.
- Best suitable for wireless communication unit, access point device or transmitter use.

### Components

Ref. #	Part name	Pcs	Material / Color
1	Top Cover	1	ASA (UL94HB) · White gray / Flame-resistant ABS (UL94V-0) · Charcoal gray
2	Bottom Base	1	ASA (UL94HB) · White gray / Flame-resistant ABS (UL94V-0) · Charcoal gray
3	Blind Lids	2	ASA (UL94HB) · White gray / Flame-resistant ABS (UL94V-0) · Charcoal gray
4	Gasket	1	Silicone / Black
5	Screw	4-6	Stainless steel / Binding head M2.5 / Unfinished

### Accessories (Optional parts)

<p>Pole mount bracket WPMB-M4</p> <p>See page 56</p>	<p>Rubber feet PFF series</p> <p>See page 57</p>	<p>Torx screw MR series</p> <p>See page 57</p>	<p>Cable gland series</p> <p>See page 234 to 242</p>	<p>Protective vent PMF series</p> <p>See page 227 to 228</p>
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### Color Type

Color code	Color	Material
G	White gray	Weather-resistant ASA (UL94HB)
C	Charcoal gray	Flame-resistant ABS (UL94V-0)

### Part no. / Dimensions

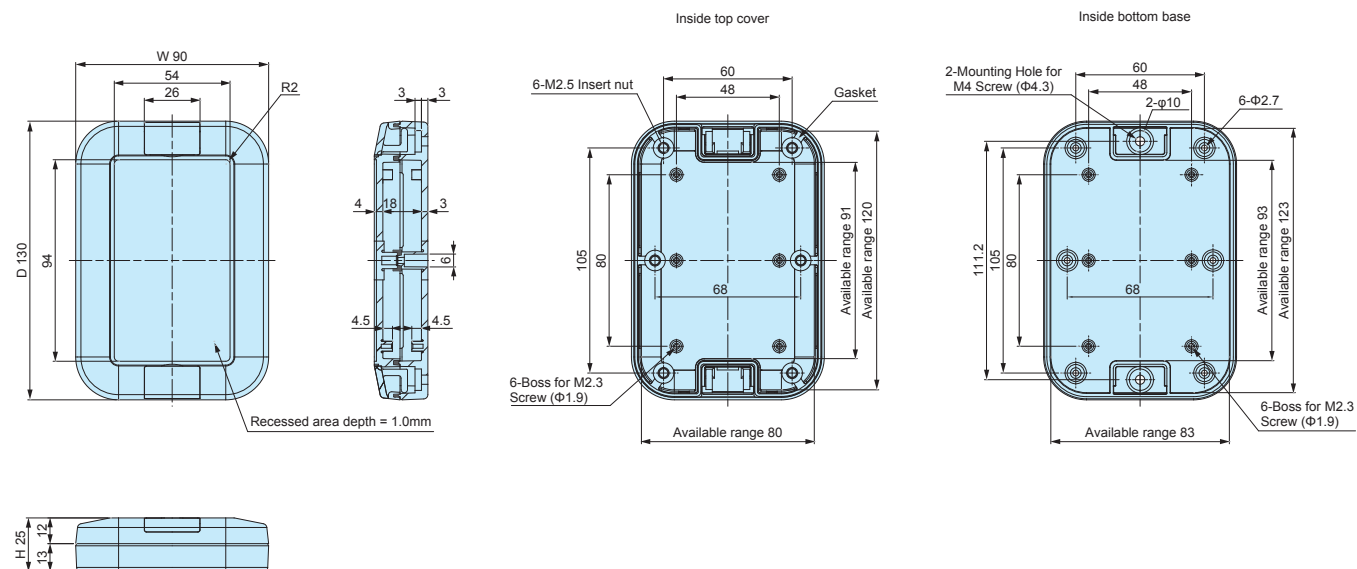
● Please suffix color code at the end of part number □ G or C when ordering WP series.

Part no.	W	D	H	Weight (g)	Screw
WP 9-13-3□	90	130	25	113	M2.5× 8 6pcs
WP 9-13-4□	90	130	40	141	M2.5×16 6pcs
WP10-10-3□	100	100	25	96	M2.5× 8 4pcs
WP10-10-4□	100	100	40	121	M2.5×16 4pcs
WP11-15-3□	110	150	27	153	M2.5× 8 6pcs
WP11-15-4□	110	150	40	181	M2.5×16 6pcs

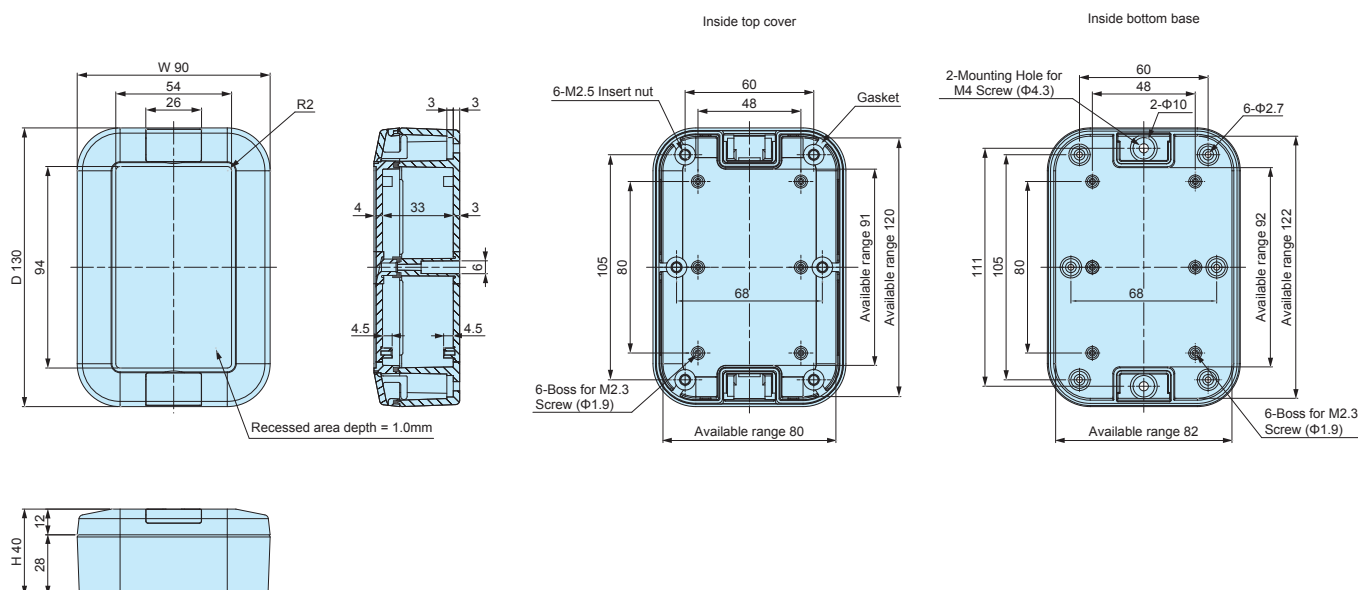
## WP dimensions

- CAD data is downloadable from our website.

WP9-13-3



WP9-13-4

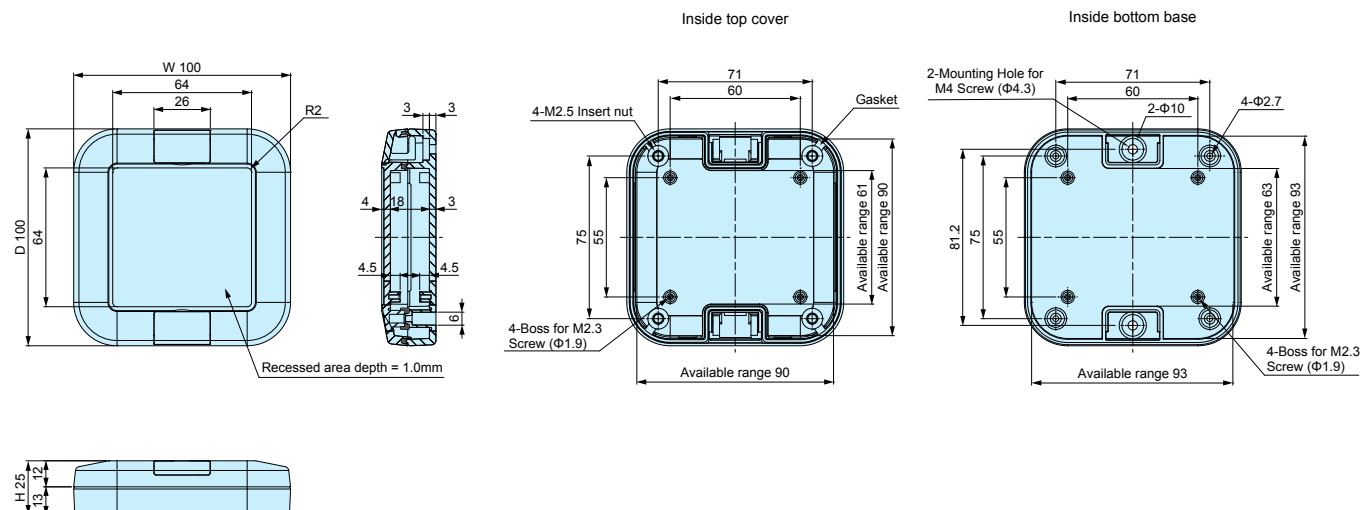




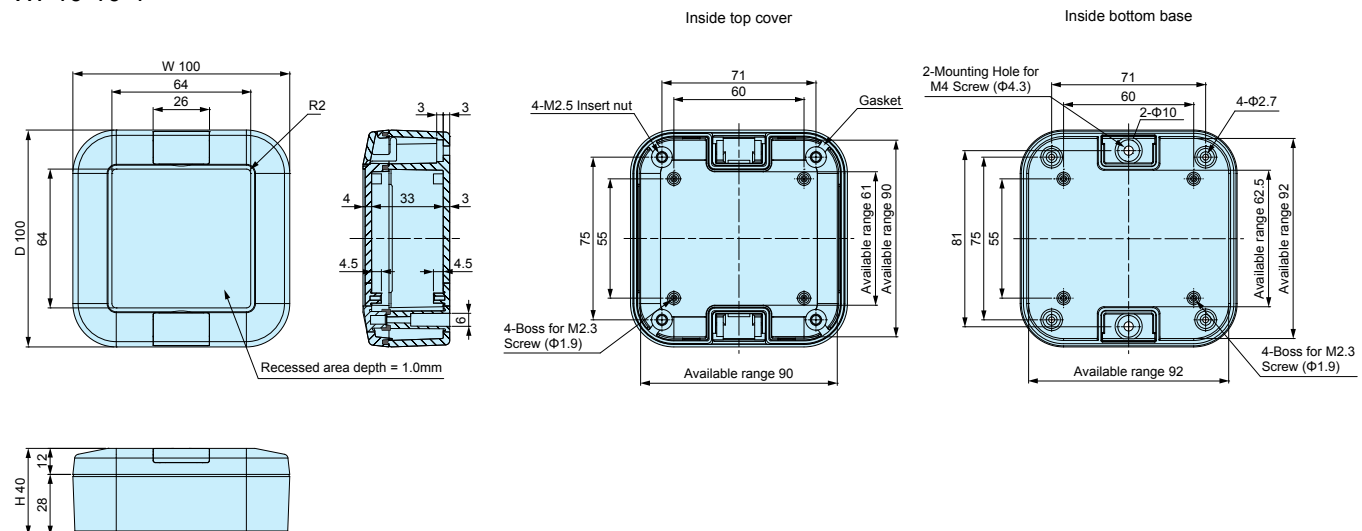
**WP dimensions**

• CAD data is downloadable from our website.

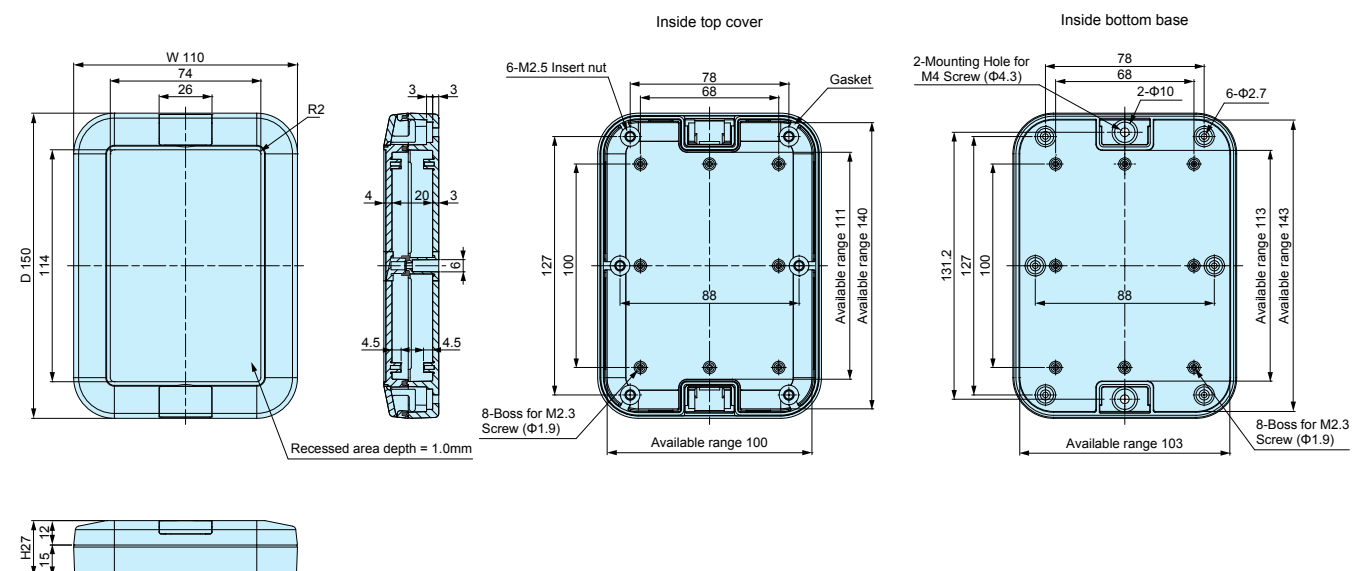
**WP10-10-3**



**WP10-10-4**

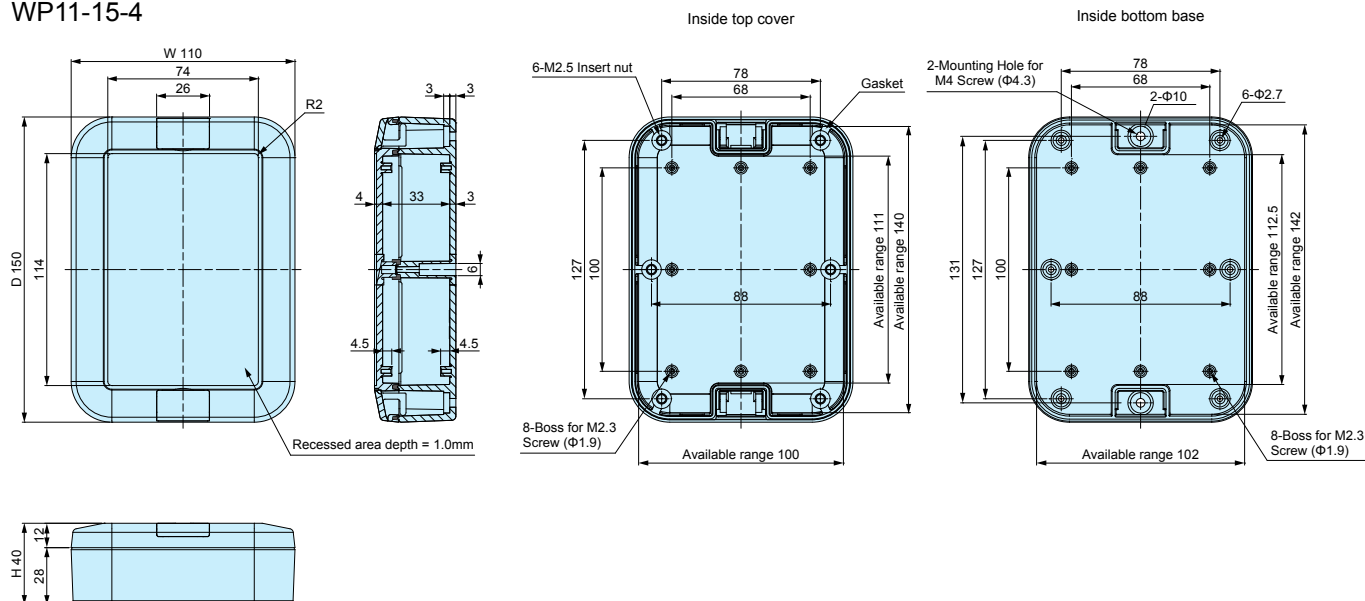


**WP11-15-3**

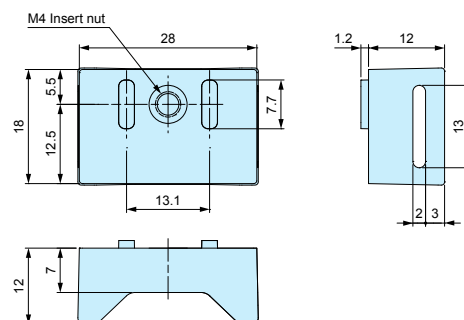


**WP SERIES****WP dimensions**

• CAD data is downloadable from our website.

**WP11-15-4****WPMB SERIES****WPMB POLE MOUNTING BRACKET****NEW**

• CAD data is downloadable from our website.

**FEATURE**

- Pole mounting bracket made of weather resistant ASA plastic.
- Easy installation onto WP enclosure without hole milling to maintain its IP67 protection class.
- Use optional PKB-10 series mounting belt to mount onto the pole. (See page 226 for the details.)

**Part no. / Dimensions**

• Packed with 2 pcs of stainless steel M4 x 8mm Screws.

Part no.	Material	Color / Finish	Weight (g)	Sales unit
<b>WPMB-M4D</b>	ASA (UL94HB)	Dark gray	10	Pair
<b>WPMB-M4G</b>	ASA (UL94HB)	White gray	10	Pair

**Mounting example**

# PFF·MR SERIES

## PFF RUBBER FEET

**NEW**


### FEATURE

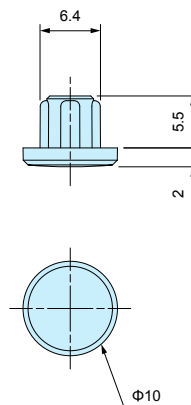
- Suitable for desktop instruments.
- No extra holes are necessary, just push into the designed holes.

### Part no. / Dimensions

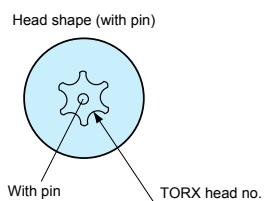
• UL94HB (4pcs pack)

Part no.	Material	Color	Pcs
PFF-M2.5D	Elastmer	Dark gray	4

## Accessories (Optional parts)



## MR TORX SCREW

**NEW**


### Part no. / Dimensions

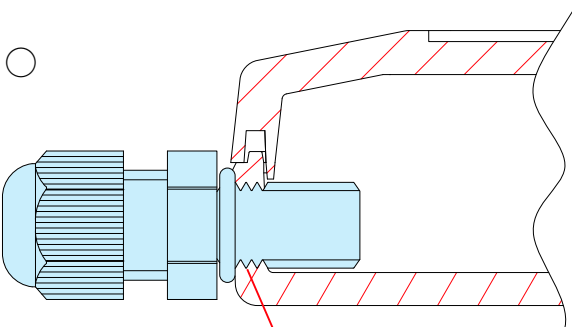
Part no.	M	L	Torx head no.	Material	Finish	Suitable enclosure	Sales unit
MR2.5-8ST	2.5	8	T8 (with pin)	Stainless steel	Unfinished	WP9-13-3 · 10-10-3 · 11-15-3	20 pcs
MR2.5-16ST	2.5	16	T8 (with pin)			WP9-13-4 · 10-10-4 · 11-15-4	20 pcs

# How to Install Cable Glands

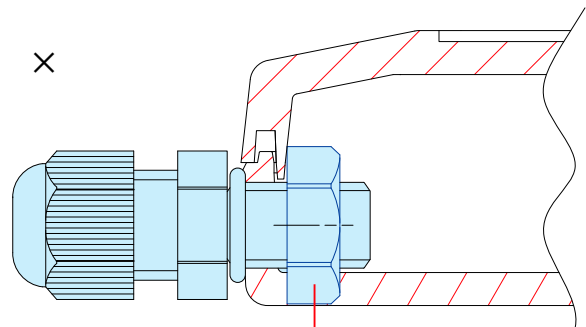
## INSTALLATION HOLE



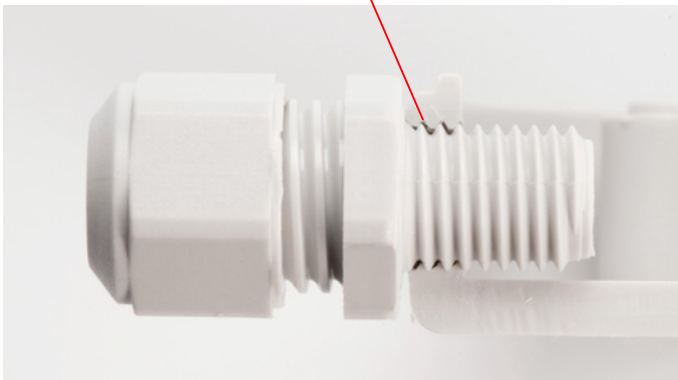
- Please note that some of cable glands can not fix correctly because an installation surface on the enclosure sides is not wide enough and a nut for a cable gland will touch on the inner-side bottom of an enclosure.  
In case of that, please make a thread hole and screw a cable gland directly into a thread hole without a nut.



Cross-section



Can not fix!



- We can make M6~M32 and PG7~PG21 size of thread holes on your request.

