

PUSH LOCK FASTENER 255F, 155F Mini/Button Type



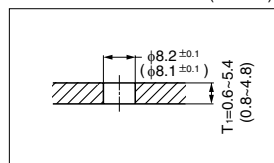
- Insert plug into socket and push to lock/unlock.
- No special tool is required for locking and unlocking.
- Resin and metal types available.
- Fast and easy installation/removal of panel.
- Locked cam prevents release by vibration.
- AS parts set **1** for installing to aluminium frame also available.

[Remarks]

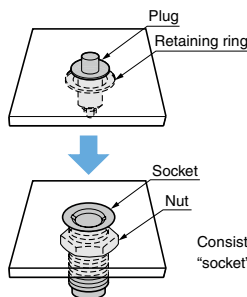
- Load applied directly to the body may cause damage.

[Preparation (Plug)]

Board thickness $T_1=0.6\sim5.4$ (0.8~4.8)



() dimension for 155F

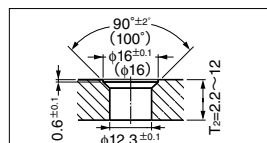


Consists of four parts: "plug", "ring", "socket" and "nut".

[Preparation (Socket)]

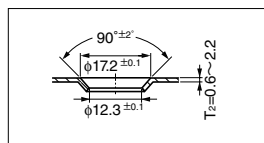
Countersink hole

Board thickness $T_2=2.2\sim12$



() dimension for 155F

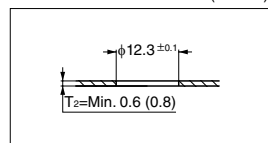
Board thickness $T_2=0.6\sim2.2$



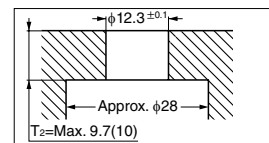
() dimension for 155F

Straight hole

Board thickness $T_2=0.6\sim9.7$ (0.8~10)



() dimension for 155F

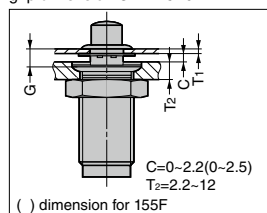


[Grip Dimensions]

Please set so that the grip dimension G is within 1.2~6.

Countersink hole

In case of clearance $C=0\sim2.2$ (0~2.5), grip dimension $G=T_1+C+0.7$

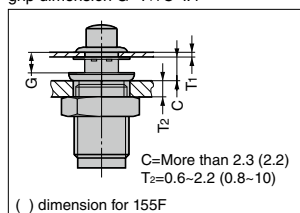


How to select

In case of $T_1=1$, $C=1$ and $T_2=1$, grip dimension $G=1+1+0.7=2.7$
Set item name...255F-01-3

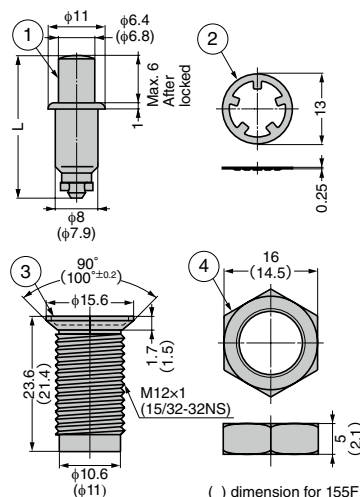
Straight hole

In case of clearance $C=2.3$ (2.2) or more, grip dimension $G=T_1+C-1.4$



How to select

In case of $T_1=3$, $C=2.6$ and $T_2=1$, grip dimension $G=3+2.6-1.4=4.2$
Set item name...155F-03-1



() dimension for 155F

[255F] Resin type

RHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
3D		120-040-299	255F-01-3	1.2~2.8	23.5	147	15	6	1	1
3D		120-040-300	255F-03-3	2.8~4.4	25				1	1
3D		120-040-301	255F-05-3	4.4~6	26.5				1	1

[155F] Metal type

RHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
3D		120-013-715	155F-01-1	1.2~2.8	21.5	147	15	6	—	1
3D		120-013-716	155F-03-1	2.8~4.4	23				—	1
3D		120-013-717	155F-05-1	4.4~6	24.5				—	1

Refer to **1** : P.519

No.	Part Name	Material	Finish / Colour
①	Plug	POM	Black
②	Retaining Ring	Steel	Phosphate Coating
③	Socket	POM	Black
④	Nut		

No.	Part Name	Material	Finish
①	Plug	Brass	Chrome
②	Retaining Ring	Stainless Steel (SUS304)	Passivation
③	Socket	Zinc Alloy (ZDC)	Clear Zinc Chromate
④	Nut	Steel	Chromate



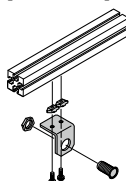
Parts Set for Installing to Aluminium Frame

Please refer to the series introduction page [1](#) for details about AS series.

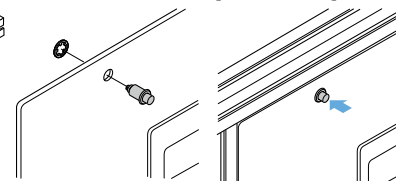
[AS Parts Set : For Push Lock Fastener 255F Resin Type [2](#)] Parts set of brackets, screws and AS nuts used for installing to aluminium frame



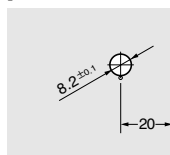
[Installation]



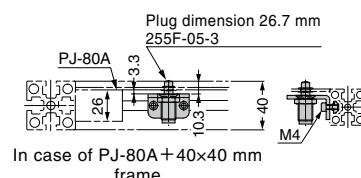
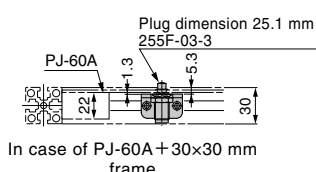
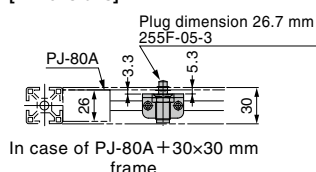
[Lock Release]



[Cut Out Dimensions of Panel]



[Dimensions]



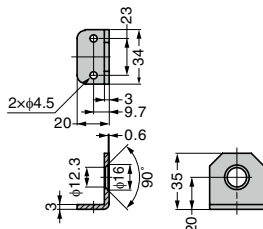
RoHS	CAD	Item Code	Item Name	Aluminium Frame	Parts	Weight (set)
-	-	120-014-246	AS-255F-03-3-30-6	30×30 Groove Width 6 mm	Push Lock Fastener 255F-03-3 : 1 pc Bracket AS-252F : 1 pc AS Nut AS-6M4 : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 2 pcs	46
-	-	120-014-247	AS-255F-05-3-40-8	40×40 Groove Width 8 mm	Push Lock Fastener 255F-05-3 : 1 pc Bracket AS-252F : 1 pc AS Nut AS-8M4 : 2 pcs M4×12 Hexagon Socket Head Cap Screw : 2 pcs	51
-	-	120-014-248	AS-255F-05-3-30-8	30×30 Groove Width 8 mm	Push Lock Fastener 255F-05-3 : 1 pc Bracket AS-252F : 1 pc AS Nut AS-8M4 : 2 pcs M4×10 Hexagon Socket Head Cap Screw : 2 pcs	52

※ The push lock fastener sets suitable for installing to aluminium frame are above item names only. Please contact us for other than above.
Refer to [1](#) : P.20, [2](#) : P.518, [3](#) : P.526

BRACKET FOR PUSH LOCK FASTENER AS-252F

SUS

● Used for installing push lock fastener to aluminium frame.



RoHS	CAD	Item Code	Item Name	Material	Finish	Weight (g)	Box (pcs)	Carton (pcs)
G	SD	120-010-542	AS-252F	Stainless Steel (SUS430)	Barrel Polished	32	50	400