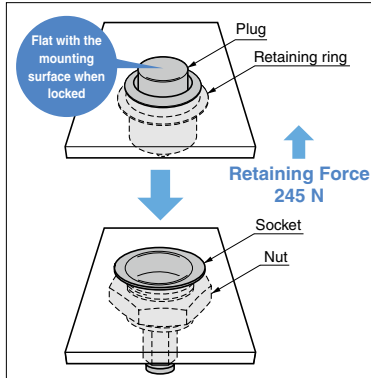


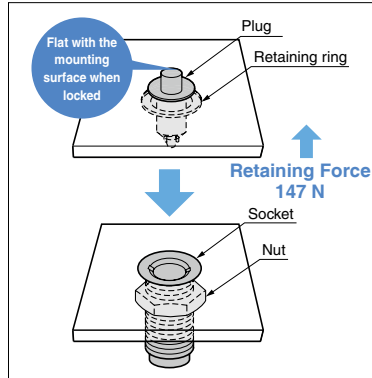
## Introduction of Push Lock Fastener Series

- Ideal connector for easy and reliable assembly, detachment and disassembly of aircraft, OA equipment, medical equipment, laboratory equipment, and maintenance equipment, etc.
- Insert plug into socket and push to lock/unlock.
- Fast and easy installation/removal of panel.
- Locked cam prevents release by vibration.
- There are flush/button types that the plug becomes flat with/comes out from the mounting surface when locked. Large and mini sizes are available, and large size is flush type only.
- AS parts set available for mini size.
- Resin and metal types available.

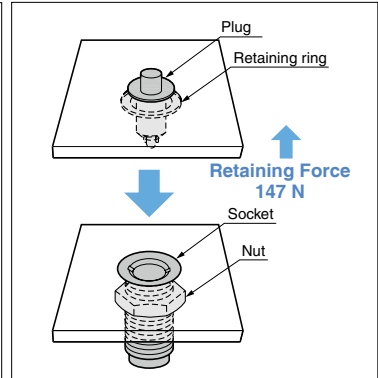
### [Large/Flush Type] 251F, 151F 1



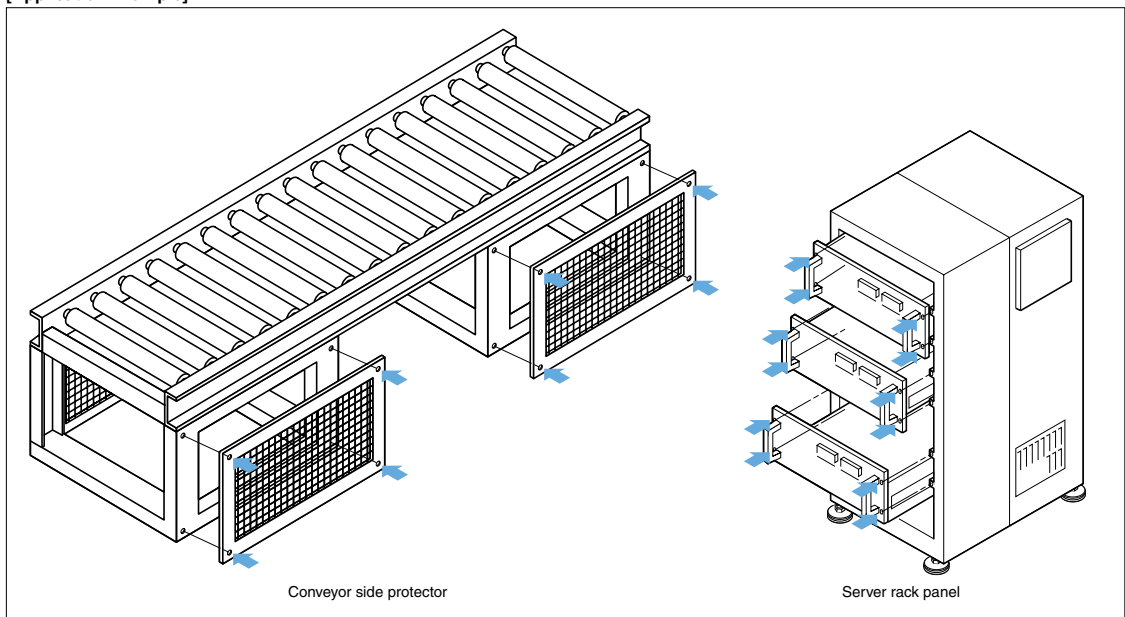
### [Mini/Flush Type] 252F, 152F 2



### [Mini/Button Type] 255F, 155F 3



### [Application Example]



Refer to 1 : P.688, 2 : P.689, 3 : P.692

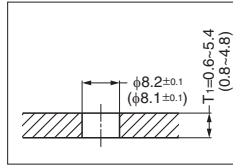
# PUSH LOCK FASTENER 252F, 152F Mini/Flush Type



- Insert plug into socket and push to lock/unlock.
- Flush locked design prevents accidental release. Push with sharp-pointed object to release.
- Resin and metal types available.
- Fast and easy installation/removal of panel.
- Locked cam prevents release by vibration.
- AS part set for installing to aluminium frame also available 1.

## [Preparation (Plug)]

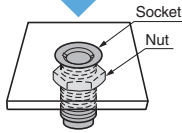
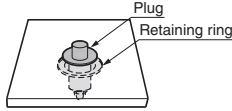
Board thickness  $T_1=0.6\sim 5.4$  (0.8~4.8)



( ) dimension for 151F

## [Remarks]

- Load applied directly to the body may cause damage.

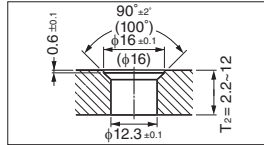


Consists of four parts: "plug", "ring", "socket" and "nut".

## [Preparation (Socket)]

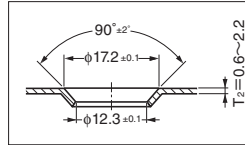
### Countersink hole

Board thickness  $T_2=2.2\sim 12$



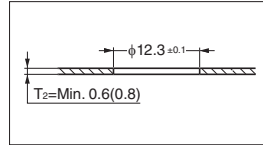
( ) dimension for 151F

Board thickness  $T_2=0.6\sim 2.2$

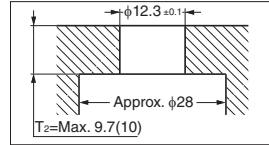


### Straight hole

Board thickness  $T_2=0.6\sim 9.7$  (0.8~1.0)



( ) dimension for 151F

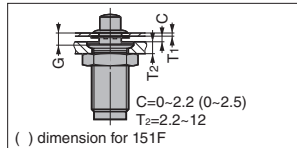


## [Grip Dimensions]

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

### Countersink hole

In case of clearance  $C=0\sim 2.2$  (0~2.5), grip dimension  $G=T_1+C+0.7$

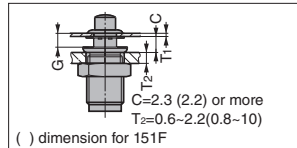


### How to select

In case of  $T_1=1$ ,  $C=1$  and  $T_2=1$ , grip dimension  $G=1+1+0.7=2.7$   
Set item name...252F-02-3

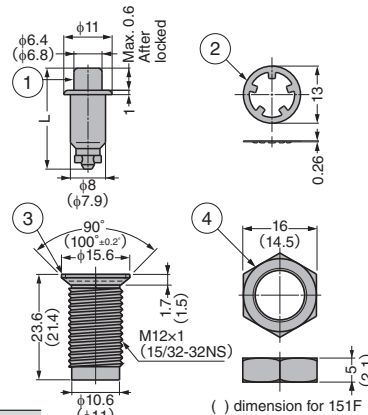
### Straight hole

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...152F-04-1



( ) dimension for 151F

## [252F] Resin type

RoHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
✓	SD	120-040-279	252F-01-3	1.2~2	18.5	147	15	6	1	1
✓	SD	120-040-280	252F-02-3	2~2.8	19.0				1	1
✓	SD	120-040-281	252F-03-3	2.8~3.6	20				1	1
-	SD	120-040-282	252F-04-3	3.6~4.4	20.5				1	1
-	SD	120-040-283	252F-05-3	4.4~5.2	21.5				1	1
-	SD	120-040-284	252F-06-3	5.2~6	22.5				1	1

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

## [152F] Metal type

RoHS	CAD	Item Code	Set Item Name	Grip Dimension G	Plug Dimension L	Retaining Force N	Retaining Force kgf	Weight (g)	Box (pcs)	Carton (pcs)
-	SD	120-013-709	152F-01-1	1.2~2	16.5	147	15	6	-	1
-	SD	120-013-710	152F-02-1	2~2.8	17				-	1
-	SD	120-013-711	152F-03-1	2.8~3.6	18				-	1
-	SD	120-013-712	152F-04-1	3.6~4.4	18.5				-	1
-	SD	120-013-713	152F-05-1	4.4~5.2	19.5				-	1
-	SD	120-013-714	152F-06-1	5.2~6	20.5				-	1

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

Refer to 1 : P.690~691