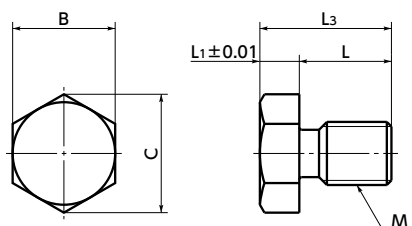


SPM Stop Pin


[WEB Selection Tool](#)
[WEB CAD Download](#)


- Use this as a recipient of the stopper bolt **SSB-A** (→ P.532) **SSB-B** (→ P.533) and stopper screw **SAN-B** (→ P.536).
- The hexagon head end face has already been quenched. It is highly abrasion-resistant.

Material/Finish

RoHS Compliant

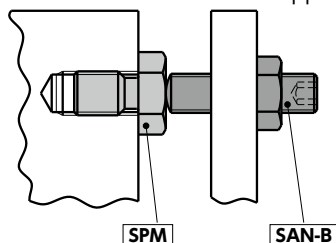
SPM	
Main body	S45C end face quenching (hardness: 35 HRC or above) - Polishing Trivalent Chromate Treatment

Unit : mm

Part Number	M (coarse)	L3	L1	L	B	C	Mass (g)
SPM-M3	M3	7	2	5	6	6.9	0.6
SPM-M4	M4	8.8	2.8	6	7	8.1	1.3
SPM-M5	M5	10.5	3.5	7	8	9.2	2.4
SPM-M6	M6	12	4	8	10	11.5	4.5
SPM-M8	M8	15	5	10	13	15	9.5
SPM-M10	M10	20	6	14	17	19.6	20
SPM-M12	M12	23	7	16	19	21.9	31

Usage example

In combination with a stopper screw **SAN-B**.



Part number specification

SPM-M10

Product Code



Cleanroom Wash & Packaging → P.792

Not Available

Screw Combination → P.798

Not Available

Screw Length Adjustment → P.796

Not Available

Vibration Resistant → P.795

Available / Add'l charge

BJ811

SCREW REST BUTTONS



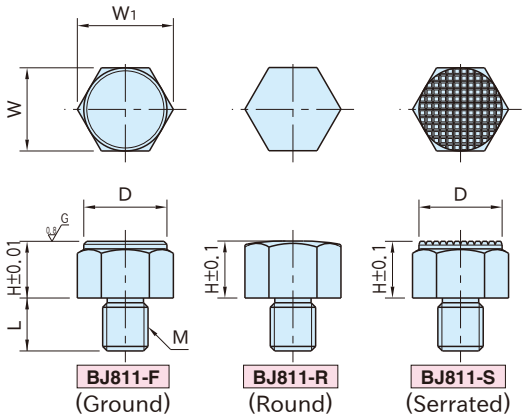
BJ811-F
(Ground)



BJ811-R
(Round)



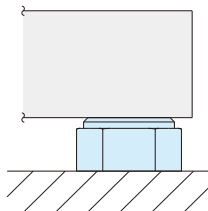
BJ811-S
(Serrated)



Material & Finish
Steel (SUM22L)
Carburized-hardened
Black oxide finish

Ground	Round	Serrated	H	D	W	W ₁	M	L	Weight (g)
Part Number	Part Number	Part Number							
BJ811-08010-F	BJ811-08010-R	BJ811-08010-S	10	17	17	19.4	M 8×1.25	10	24
BJ811-12010-F	BJ811-12010-R	BJ811-12010-S		22	22	25.2	M12×1.75	14	40
BJ811-12015-F	BJ811-12015-R	BJ811-12015-S	15						56
BJ811-16015-F	BJ811-16015-R	BJ811-16015-S	15	30	30	33	M16×2	19	130
BJ811-16020-F	BJ811-16020-R	BJ811-16020-S	20						155

How To Use



BJ812

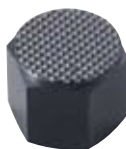
REST BUTTONS



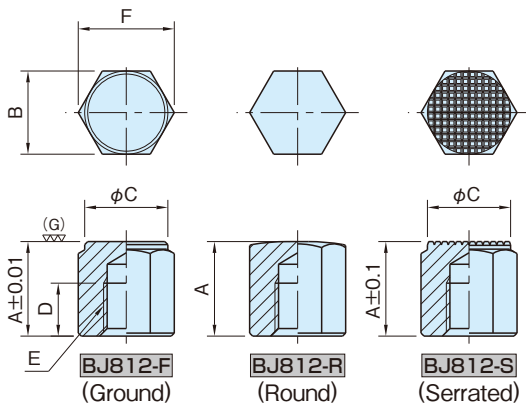
BJ812-F
(Ground)



BJ812-R
(Round)



BJ812-S
(Serrated)



Material & Finish
Steel (SUM22L)
Carburized-hardened
Black oxide finish

Ground	Round	Serrated	A	B	C	D	E	F	Weight (g)	
Part Number	Part Number	Part Number								
BJ812-08015-F	BJ812-08015-R	BJ812-08015-S	15	17	17	6	M 8×1.25	19.4	23	
BJ812-08025-F	BJ812-08025-R	BJ812-08025-S	25			16			40	
BJ812-12020-F	BJ812-12020-R	BJ812-12020-S	20	22	22	10	M12×1.75	25.2	52	
BJ812-12025-F	BJ812-12025-R	BJ812-12025-S	25			15			65	
BJ812-12030-F	BJ812-12030-R	BJ812-12030-S	30			20			77	
BJ812-12040-F	BJ812-12040-R	BJ812-12040-S	40			25			105	
BJ812-12050-F	BJ812-12050-R	BJ812-12050-S	50						135	

Stop Pins

Press-Fit Type, Urethane

■Features: Accurate stop positions can be obtained easily. The new configurable type is suitable in space saving applications and height adjusting applications.

■Press-Fit Type



RoHS

T	Type	M Material	H Hardness	S Surface Treatment
Fixed	STMH	S45C Equivalent	46~50HRC	Electroless Nickel Plating
Configurable	STMHF	SUS440C Equivalent	46~50HRC	-
	SSTMHF	SUS440C Equivalent	40~45HRC	Electroless Nickel Plating

⚠Stainless Steel Type may be discolored by hardening.
⚠1. CO.5 when D dimension is 3mm only.

Slight Chamfering

(T Fixed)

(T Configurable)

*Insertion Guide

6.3 / (0.8 / 0.8 / 0.4 / 0.4)

T Fixed Type

Part Number	Type	D	dm6	L	T	Unit Price
Type	D	dm6	L	T	STMH	SSTMH
5	3	+0.008 +0.002	5	5		
5A	3		5	5		
5B	3		5	5		
6	4		6	5		
6A	4		6	5		
6B	4		6	5		
8	5	+0.012 +0.004	8	5		
8A	5		8	5		
8B	5		8	5		
10	6		10	5		
10A	6		10	5		
10B	6		10	5		
12	8		12	5		
12A	8		12	5		
16	10	+0.015 +0.006	16	5		
16A	10		16	5		
18	12		18	5		
18A	12		18	5		
20	12	+0.018 +0.007	20	5		
20A	12		20	5		

T Configurable Type

Part Number	Type	D	Configurable	dm6	L	Unit Price
Type	D	Configurable	dm6	L	STMHF	SSTMHF
3	2~5	2	5			
4	2~5	3	5			
5	2~10	3	5			
6	2~10	4	6			
8	2~10	5	8			
10	2~20	6	8			
12	2~20	8	10			
16	2~20	8	10			
18	2~20	10	12			
20	2~20	12	16			



Ordering Example
(T Fixed)
(T Configurable)
Part Number - T
STMH16
SSTMHF3 - 5

■Features: Urethane absorbs shock.

■Press-Fit Urethane Type



RoHS

Type	M Material	H Hardness	S Surface Treatment
USTMH	SCM435	46~50HRC	Electroless Nickel Plating
USSTMH	Urethane (Black)	Shore A90	-
	SUS440C Equivalent	50~55HRC	-
	Urethane (Black)	Shore A90	-

Slight Chamfering

Urethane

6.3 / (0.8 / 0.4 / 0.4)

(H Fixed)

(H Configurable)

*Collar for press-fitting is not included.

Screw-with-Urethane Type

Type	M Material	H Hardness	S Surface Treatment
USTEH	SCM435	46~50HRC	Electroless Nickel Plating
USSTEH	Urethane (Black)	Shore A90	-
	SUS304	-	-
	Urethane (Black)	Shore A90	-

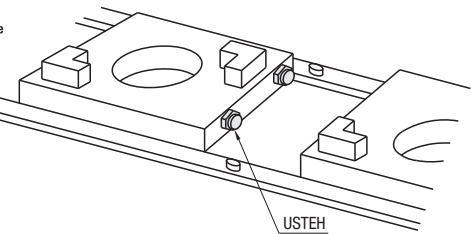
25 / (0.8 /)

Urethane

5±0.1

RoHS

Part Number	Type	B	M (Coarse)	t	h	L	D	(C)	Unit Price
Type	B	M (Coarse)	t	h	L	D	(C)	USTEH	USSTEH
5.5	3	0.7	5	3.5	6.4				
7	4	1.5	5	5	8.1				
8	5		6	6	9.2				
10	6		8	8	11.5				
13	8	2.0	10	10	15				
14	8		10	10	16.2				
17	10		12	13	19.6				
19	12		15	15	21.9				



Stop Pins

Screw Type, Wrench Hole Type

■Features: Accuracy in Stop Positions is easily obtainable. Select Flat or Sphere Type according to the object shapes.

■Screw Flat Type



RoHS

T	Type	M Material	H Hardness	S Surface Treatment
Fixed	STEHN	SCM435 Equivalent	46~50HRC	Electroless Nickel Plating
Configurable	SSTEHN	SUS440C Equivalent	50~55HRC	-
	STFHN	SCM435 Equivalent	32~38HRC	Electroless Nickel Plating
	SSTFH	SUS440C Equivalent	40~45HRC	-

⚠Stainless Steel Type may be discolored by hardening.

(T Fixed)

(T Configurable)

6.3 / (0.8 / 0.8 / 0.4 / 0.4)

T Fixed Type

Part Number	Type	B	T	M (Coarse)	L	(C)	Unit Price
Type	B	T	M (Coarse)	L	(C)	STEHN	SSTEHN
5.5A	3	3	5	6.4			
5.5	3	3	5	6.4			
7	4	4	5	8.1			
8	5	5	6	9.2			
10	6	6	8	11.5			
10B	6	6	9	11.5			
13	8	8	10	15			
13A	8	8	10	15			
14B	8	8	12	15			
14	8	8	10	16.2			
14A	8	8	10	16.2			
14B	8	8	12	16.2			
17	10	10	12	19.6			
17A	10	10	12	19.6			
17B	10	10	15	19.6			
19	12	12	15	21.9			
19A	12	12	15	21.9			
19B	12	12	15	21.9			

T Configurable Type

Part Number	Type	B	T	M (Coarse)	L	(C)	Unit Price
Type	B	T	M (Coarse)	L	(C)	STFHN	SSTFH
5.5	3	3	5	6.4			
5.5	3	3	5	6.4			
7	4	4	5	8.1			
8	5	5	6	9.2			
10	6	6	8	11.5			
10B	6	6	9	11.5			
13	8	8	10	15			
13A	8	8	10	15			
14	8	8	10	16.2			
14A	8	8	10	16.2			
14B	8	8	12	16.2			
17	10	10	12	19.6			
17A	10	10	12	19.6			
17B	10	10	15	19.6			
19	12	12	15	21.9			
19A	12	12	15	21.9			
19B	12	12	15	21.9			



Ordering Example
(T Fixed)
(T Configurable)
Part Number - H
STEHN5.5A
SSTFH10 - 6.5

Screw Spherical Type

■Screw Spherical Type



RoHS

H	Type	M Material	H Hardness	S Surface Treatment
Fixed	BSTEHN	SCM435 Equivalent	46~50HRC	Electroless Nickel Plating
Configurable	SBSSTEHN	SUS440C Equivalent	50~55HRC	-
	SBSSTFH	SCM435 Equivalent	32~38HRC	Electroless Nickel Plating
	SBSSTFH	SUS440C Equivalent	40~45HRC	-

⚠Stainless Steel Type may be discolored by hardening.

(H Fixed)

(H Configurable)

6.3 / (3.2 /)

H Fixed Type

Part Number	Type	B	H	M (Coarse)	L	(C)	T	SR	Unit Price
Type	B	H	M (Coarse)	L	(C)	T	SR	BSTEHN	SBSSTEHN
5.5	3	3	5	6.4	4.3	7.5			
7	4	4	5	8.1	4	8.5			
8	5	5	6	9.2	3.9	10			
10	6	6	8	11.5	6.5	12			
13	8	8	10	15	6.1	16			
14	8	8	10	16.2	6.1	18			
14B	8	8	12	16.2	6.1	18			
17	10	10	12	19.6	7.7	22			
19	12	12	15	21.9	7.5	25			
19B	12	12	15	21.9	7.5	25			

H Configurable

Part Number	Type	B	H	M (Coarse)	L	(C)	T	SR	Unit Price
Type	B	H	M (Coarse)	L	(C)	T	SR	BSTFH	SBSSTFH
5.5	3	3	5	6.4	4.3	7.5			
7	4	4	5	8.1	4	8.5			
8	5	5	6	9.2	3.9	10			
10	6	6	8	11.5	6.5	12			
13	8	8	10	15	6.1	16			
14	8	8	10	16.2	6.1	18			
14B	8	8	12	16.2	6.1	18			
17	10	10	12	19.6	7.7	22			
19	12	12	15	21.9	7.5	25			
19B	12	12	15	21.9	7.5	25			



Ordering Example
(H Fixed)
(H Configurable)
Part Number - H
BSTEHN10B
SBSSTFH8 - 8.5

■Features: Can be used in limited spaces.

■Wrench Hole Type



RoHS

Type	M Material	H Hardness	S Surface Treatment
STEHNW	SCM435	46~50HRC	Electroless Nickel Plating
SSTEHW	SUS440C Equivalent	50~55HRC	-

6.3 / (0.8 / 0.8 / 0.4 / 0.4)

2.5

6-03

Depth 3

5±0.01

RoHS

Part Number	Type	B	M (Coarse)	L	(C)	Unit Price
Type	B	M (Coarse)	L	(C)	STEHNW	SSTEHW
10	6	6	11.5			
13	8	10	15			
14	8	10	16.2			
17	10	12	19.6			
19	12	15	21.9			



Ordering Example
Part Number
STEHNW14