

Shaft Collars

Set Screw / Standard / Wide Type

Shaft Collars – Set Screw / Standard / Wide Type

RoHS10

Type		Material	Surface Treatment	A Accessories
Standard Type	Wide Type			
SCCN	SCC	1045 Carbon Steel or Equivalent	Black Oxide Coating	2 Set Screws (4137 Alloy Steel or Equivalent)
PSCCN	PSCC		Electroless Nickel Plating	
SSCCN	SSCC	304 Stainless Steel or Equivalent	—	2 Set Screws (Stainless Steel)
SCCA	—	2000 Series Aluminum Alloy	Clear Anodize	
SCCAW	—		Black Anodize	
SCCAB	—		—	

Part Number		B	D ₁	d ₁	C	Set Screw M x Length	Available Types						
Type	D						SCCN	PSCCN	SSCCN	SCCA	SCCAW	SCCAB	
Standard Type SCCN PSCCN SSCCN SCCA SCCAW SCCAB	3	6 *8	7	4.5	0.2	M3 x 3	•	•	•	•	•	•	
	4	6 *8	8	5.5			•	•	•	•	•	•	
	5	6 *8 *10	11	10			•	•	•	•	•	•	
	6	6 8 10	12	11			•	•	•	•	•	•	
	8	6 8 10	14	12			•	•	•	•	•	•	
	10	6 8 10	16	13			•	•	•	•	•	•	
	+0.05 +0.01	12	*6 8 10 *12	20	15	0.5	M5 x 4 for B6 M4 x 3 M6 x 5 for B8 M5 x 4	•	•	•	•	•	•
		13	8 *10 *12	22	18			•	•	•	•	•	•
		15	8 10 12	24	20			•	•	•	•	•	•
		16	*8 10 *12 *15	26	22			•	•	•	•	•	•
		18 20	10 12 15	32	27			•	•	•	•	•	•
		25	12 *15 *18	38	31			•	•	•	•	•	•
		30	15 *18 *20	46	38			•	•	•	•	•	•
		35	15 *18 *20	50	40			•	•	•	•	•	•
		40	20 *22	60	45			•	•	•	•	•	•
		50	*20 22 *25	70	55			•	•	•	•	•	•

Part Number		B	D ₁	d ₁	C	Set Screw M x Length	Available Types		
Type	D ₁₇						SCC	PSCC	SSCC
Wide Type SCC PSCC SSCC	5	*6 8	14	*14	0.5	M4 x 4	•	•	•
	6	*6 *8	15	*15			•	•	•
	8	*8 10	16	*16			•	•	•
	10	*8 *10	18	13			•	•	•
		*8 *10	20	16			•	•	•
	12	*8 *10 *12	22	20			•	•	•
	13	*8 *10	26	20	•	•	•		
		*8 *10	22	20	•	•	•		
	15	*8 *10	26	24	•	•	•		
		*8 *10	25	24	•	•	•		
	20	*10 *12 *15	32	29	•	•	•		
	25	*12 *15 18	42	38	•	•	•		
		*12 *15 18	45	38	•	•	•		
	30	*16 20	49	42	•	•	•		
	35	20 20	59	47	•	•	•		
		20 22	72	55	•	•	•		
50	25	79	65	•	•	•			

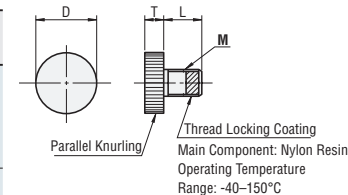
Part Number Example
Part Number - B
SCCN12 - 10

Alterations	With Knurled Knob (Hand Tightening Type)
Code	KB 1 Pc. / WKB 2 Pcs.
Spec.	Attaches a knurled knob. *For detailed dimensions, see the right-hand side. ⓐ A Set Screw is also included. Ordering Code: KB (or WKB) ⓑ 3≤D≤25

Material: 304 Stainless Steel

B Selectable	M (Coarse Thread)	D	L	T
8	3	7.5	6	3
	4		8	
	5		6	
10	4	9.5	8	4
	5		6	
	6		8	
12	5	11.5	10	5
	6		8	
15	6	14.5	10	5
	6		10	
18	6	15.5	10	5
	6		10	

Knurled Knob Details



Features

- Replacing the Hexagon Socket Set Screws with Knurled Knobs enables easy installation and removal of the Shaft Collar by hand.
- Set Screws come with coating to prevent loosening (*For details, see P.345).
- The knob that matches with dimension "B Selection" and dimension "M (Coarse)" is included.
- Ex. When a Knob is specified for SCCN10-8, Knurled Knobs of B8 and M4 are included.

Shaft Collars

Set Screw / Compact Type

Features: Smaller by up to 25% in width (B dimension) and 15% in O.D. (D₁ dimension) than the Standard Type (P.330).

Shaft Collars – Set Screw / Compact Type

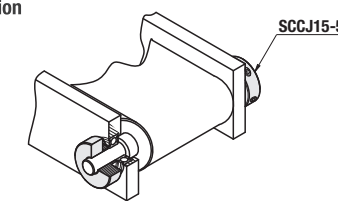
RoHS10

Type	Material	Surface Treatment	Accessories
SCCJ	1045 Carbon Steel or Equivalent	Black Oxide Coating	2 Set Screws (4137 Alloy Steel or Equivalent)
PSCCJ		Electroless Nickel Plating	
SSCCJ	304 Stainless Steel or Equivalent	—	2 Set Screws (304 Stainless Steel or Equivalent)

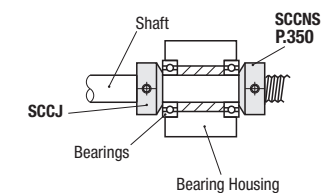
Part Number		B	D ₁	d ₁	C	Set Screw M x Length	1045 Carbon Steel or Equivalent		304 Stainless Steel or Equivalent					
Type	D						Black Oxide Coating	Electroless Nickel Plating	—					
Compact Type SCCJ PSCCJ SSCCJ	3	5	7	—	0.2	M3 x 3	•	—	—					
	4						•	—	•					
	5						•	—	•					
	6						•	—	•					
	8						•	—	•					
	10						•	—	•					
	12						•	—	•					
	13						•	—	•					
	15						•	—	•					
	+0.05 +0.01						20	6	27	0.5	M4 x 3	•	•	•
							8	•	•			•		
							10	•	•			•		
							12	•	•			•		
	1						25	8	27.5	1	M5 x 4 M6 x 5 M5 x 4 M6 x 5 M5 x 4 M6 x 5	•	•	•
							10	•	•			•		
							12	•	•			•		
10		•	•	•										
12		•	•	•										
15		•	•	•										
18		•	•	•										
40		18	53	42.5	•	•	•							

Part Number Example
Part Number - B
SCCJ15 - 5
SSCCJ25 - 10

Application Example



Thread Lock Set Screw



Size Comparison Table

D	Size Differences		Compact		Standard (P.330)	
	B (Thickness)	D ₁ (Outer Dia.)	B (Thickness)	D ₁ (Outer Dia.)	B (Thickness)	D ₁ (Outer Dia.)
3	-1	0	5	7	6	7
4	-1	0	5	8	6	8
5	-1	0	5	11	6	11
6	-1	0	5	12	6	12
8	-1	0	5	14	6	14
10	-1	0	5	16	6	16
12	-1	-1	5	19	6	20
13	-3	-2	5	20	8	22
15	-3	-2	5	22	8	24
20	-4	-5	6	27	10	32
25	-4	-6	8	32	12	38
30	-5	-7	10	39	15	46
35	-5	-6	10	44	15	50
40	-5	-9	15	51	20	60