

Shaft Collar Set Screw

Standard / Wide

Shaft Collar Set Screw

Compact

Standard

Wide

Type	Material	Surface Treatment	Accessory
Standard	S45C Equivalent	Black Oxide Coating	Set Screw 2 pcs.
Wide	SUS304	Electroless Nickel Plating	Set Screw 2 pcs.
SCCN	S45C	Black Oxide Coating	MSCM435 Equivalent
PSCCN	S45C Equivalent	Electroless Nickel Plating	MSCM435 Equivalent
SSCCN	SUS304	-	MSCM435 Equivalent
SUS304	SUS304	-	MSCM435 Equivalent
SCCA	2000 Series Aluminum Alloy	Clear Anodize	MSCM435 Equivalent
SCCAW	2000 Series Aluminum Alloy	Clear Anodize	MSCM435 Equivalent
SCCAB	2000 Series Aluminum Alloy	Black Anodize	MSCM435 Equivalent

Features: Smaller by up to 25% in width (B dimension) and 15% in O.D. (D₁ dimension) than Standard Type P.267.

Compact

Type	Material	Surface Treatment	Accessory
SCCJ	S45C	Black Oxide Coating	Set Screw 2 pcs.
PSCCJ	S45C Equivalent	Electroless Nickel Plating	Set Screw 2 pcs.
SUS304	SUS304	-	Set Screw 2 pcs.
SCCJ	S45C	Black Oxide Coating	MSCM435 Equivalent
PSCCJ	S45C Equivalent	Electroless Nickel Plating	MSCM435 Equivalent
SUS304	SUS304	-	MSCM435 Equivalent

Part Number	Type	D	B Selection	D ₁	d ₁	C	Set Screw M x Length	Unit Price					
								SCCN	PSCCN	SSCCN	SCCA	SCCAW	SCCAB
(Standard) SCCN PSCCN SSCCN SCCA SCCAW SCCAB	3	0.06	*6 8	7	4.5	0.2	M3x3						
	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								
	12		6 8 10 12	20	15								
	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	Type	DH7	B Selection	D ₁	d ₁	C	Set Screw M x Length	Unit Price		
								SCC	PSCC	SSCC
(Wide) SCC PSCC SSCC	5	+0.012	6 *8	14	14	0.5	M4x4			
	6	0	6 8	15	15					
	8	+0.015	*10	16	16					
	10	0	8 10	18	13					
	12	+0.018	8 10	20	16					
	13	0	8 10 12	22	20					
	15	+0.021	*8 10	26	24					
	20	0	*12	28	24					
	25	+0.021	10 12 15	32	29					
	30	0	12 15 *18	42	38					
	35	+0.025	16	45	42					
	40	0	*20	49	47					
	50	0	*20 *22	59	55					
			*25	72	65					
				79	65					

Ordering Example: Part Number - B
SCCN12 - 10

Alterations Example: Part Number - B - (KB · WKB)
SCCN12 - 10 - KB

Alterations	With Knurled Knob (Hand Tightening Type)
Code	KB (1 pc.) / WKB (2 pcs.)
Spec.	<p>A knurled knob is included.</p> <p>* For detailed dimensions, see the right.</p> <p>A Set Screw is also included.</p> <p>Ordering Code: KB (or WKB)</p> <p>3<d<25</p> <p>8<B<18</p>

Features

- Replacing the Hex Socket Set Screws with Knurled Knobs enables easy installation and removal of the shaft collar by hand.
- Set Screws come with thread locking treatment (For details, see P.275). 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.

Knurled Knob Details

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

Parallel Knurling, Thread Locking Compound, Main Component: Nylon Resin, Operating Temp. Range: -40 ~ 150°C, Material: SUS304

Part Number	Type	D	B Selection	D ₁	d ₁	C	Set Screw M x Length	Unit Price						
								SCCJ	PSCCJ	SSCCJ				
(Compact) SCCJ PSCCJ SSCCJ	3	0.06	5	7	-	0.2	M3x3							
	4			8										
	5			11										
	6			12										
	8			14										
	10			16										
	12			19										
	13			20										
	15			22										
	20			6				27	22.5	0.5	M4x3			
	8			8				32	27.5					
	10			10				39	32.5					
	12			12				41	37.5					
	15			15				46	37.5					
	20			18				51	42.5					
		53	42.5											

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

ex Example

Size Comparison Table

D	Size Differences		Compact		Standard (P.267)	
	B (Thickness)	D ₁ (O.D.)	B (Thickness)	D ₁ (O.D.)	B (Thickness)	D ₁ (O.D.)
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