

# Shaft Collars

## With Key Groove Clearance Channel / Set Screw / Slit Type

Features: Collar has clearance for a key on the shaft. (The Key Groove Clearance Channel is not for key-locking the collar itself)

**Shaft Collars – With Key Groove Clearance Channel / Set Screw Type**

RoHS10

Type	Material	Surface Treatment	Accessories
SCKS	1045 Carbon Steel or Equivalent	Black Oxide Coating	Set Screw 2 pcs. (4137 Steel Alloy or Equivalent)
PSCKS	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Set Screw 2 pcs. (304 Stainless Steel or Equivalent)

Key Groove Clearance Channel

Shaft Collar  
Parallel Key  
Shaft

\*D10-D25: C0.5  
D30: C1

Part Number		B		D <sub>1</sub>	d <sub>1</sub>	Set Screw M x Length	b	Z
Type	D							
SCKS PSCKS	10	6	8 10	20	13	M4 x 3	3.5	7
	12		8 10	22	15		4.5	8.5
	15		8 10 12	26	20	M5 x 4	5.5	10.5
	20		10 12	32	27		6.5	13.5
	25		12 15	38	31	M6 x 5	8.5	16.5
	30		15 20	46	38	M8 x 6	8.5	19.0

**Shaft Collars – With Key Groove Clearance Channel / Slit Type**

RoHS10

Type	Material	Surface Treatment	Accessories
SCSKS	1045 Carbon Steel or Equivalent	Black Oxide Coating	Hexagon Socket Head Cap Screw 1 pc. (4137 Steel Alloy or Equivalent)
PSCKSKS	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Hexagon Socket Head Cap Screw 1 pc. (304 Stainless Steel or Equivalent)

Key Groove Clearance Channel

Shaft Collar  
Parallel Key  
Shaft

\*D10-D25: C0.5  
D30: C1

Part Number		B	D <sub>1</sub>	M (Coarse)	d	R	W	X	Y	Z	b	
Type	D											
SCSKS PSCKSKS	10	10	30	M4	4.5	3.75	1.5	9	5	7	3.5	
		12		M5	5.5	4.5						
		15		M6	6.6	6						
	12	10	30	M4	4.5	3.75		11	10	6	8.5	4.5
		12		M5	5.5	4.5						
		15		M6	6.6	6						
	15	10	34	M4	4.5	3.75		11.5	10	6	10.5	5.5
		12		M5	5.5	4.5						
		15		M6	6.6	6						
	20	10	40	M5	5.5	4.5		12	10	8	13.5	6.5
		15		M6	6.6	6						
		12		M5	5.5	4.5						
	25	12	45	M6	6.6	6		13	10	8	16.5	8.5
		15		M5	5.5	4.5						
		12		M5	5.5	4.5						
	30	15	55	M6	6.6	6		14	10	19		

- The groove b is for shaft key to pass through the collar, not for use as a keyway.
- SCSKS10-15 and SCCKS12-12 have been discontinued.

**Part Number Example**

Part Number	-	B
SCKS12	-	10
SCCKS10	-	10

**Application Example**

SCCKS

# Shaft Collars

## Standard Type with Clamp Lever / Slit / D Cut / Side Mount Hole Type

Features: Easy to change the collar position as this collar does not require any clamping tools. Lever is selectable from Standard or Miniature Type.

**Shaft Collars – Standard Type with Clamp Lever / Slit Type**

RoHS10

Type	Material	Surface Treatment	Clamp Lever Material	Clamp Lever Surface Treatment	Lever Thread Material	Lever Thread Surface Treatment
SCKL	1045 Carbon Steel or Equivalent	Black Oxide Coating	Zinc Diecast	Baked Coating	1215 Carbon Steel or Equivalent	Black Chromate
PSCKL	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Zinc Diecast	Baked Coating	1215 Carbon Steel or Equivalent	Black Chromate
SSCKL	304 Stainless Steel or Equivalent	—	Zinc Diecast	Baked Coating	303 Stainless Steel	—

Standard

Miniature

Clamp Lever Details P.3190  
Miniature Clamp Lever Details P.3192

**Shaft Collars – Standard Type with Clamp Lever / D Cut Type**

RoHS10

Type	Material	Surface Treatment	Clamp Lever Material	Clamp Lever Surface Treatment	Lever Thread Material	Lever Thread Surface Treatment
SCDKL	1045 Carbon Steel or Equivalent	Black Oxide Coating	Zinc Diecast	Baked Coating	1215 Carbon Steel or Equivalent	Black Chromate
PSCDKL	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Zinc Diecast	Baked Coating	1215 Carbon Steel or Equivalent	Black Chromate
SSCDKL	304 Stainless Steel or Equivalent	—	Zinc Diecast	Baked Coating	303 Stainless Steel	—

Standard

Miniature

Clamp Lever Details P.3190  
Miniature Clamp Lever Details P.3192

**Shaft Collars – Standard Type with Clamp Lever / Side Mount Hole Type**

RoHS10

Type	Material	Surface Treatment	Clamp Lever Material	Clamp Lever Surface Treatment	Lever Thread Material	Lever Thread Surface Treatment
SCJKL	1045 Carbon Steel or Equivalent	Black Oxide Coating	Zinc Diecast	Baked Coating	1215 Carbon Steel or Equivalent	Black Chromate
PSCKL	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Zinc Diecast	Baked Coating	1215 Carbon Steel or Equivalent	Black Chromate
SSCKL	304 Stainless Steel or Equivalent	—	Zinc Diecast	Baked Coating	303 Stainless Steel	—

Standard

Miniature

Clamp Lever Details P.3190  
Miniature Clamp Lever Details P.3192

Part Number Type	D	Lever Color	B	D <sub>1</sub>	M (Coarse)	M <sub>1</sub>	d	P <sub>1</sub>	P <sub>2</sub>	(F)	(N)	Y <sub>1</sub>	Y <sub>2</sub>	R	W	X	Y	(Z)	Lever
Standard Lever Slit	6	M (Orange)	18	35	M3	6.6	8	15	10	1.5	10	7	8	7.5	1.5	10	7	13-15	CLDM#6-16-M/B/S (CLMS#6-16-M/B/S)
Standard Lever Slit	8	B (Black)	18	35	M4	6.6	15	20	10	1.5	10	8	10	7.5	1.5	10	7	10-13	CLDM#6-16-M/B/S (CLMS#6-16-M/B/S)
Standard Lever Slit	10	S (Silver Gray)	18	40	M6	6.6	20	20	10	1.5	10	9.5	10	7.5	1.5	11	8	13-15	CLDM#6-16-M/B/S (CLMS#6-16-M/B/S)
Standard Lever Slit	12	S (Silver Gray)	18	40	M6	6.6	20	20	10	1.5	10	11	11	7.5	1.5	11	8	13-15	CLDM#6-16-M/B/S (CLMS#6-16-M/B/S)
D Cut	15	S (Silver Gray)	18	44	M5	6.6	23	12	15	1.5	15	13	12	7.5	1.5	13	10	16-17	CLDM#6-20-M/B/S (CLMS#6-20-M/B/S)
D Cut	16	S (Silver Gray)	18	44	M5	6.6	23	12	15	1.5	15	14	12	7.5	1.5	13	10	15-16	CLDM#6-20-M/B/S (CLMS#6-20-M/B/S)
D Cut	20	S (Silver Gray)	18	48	M5	6.6	26	14	18	1.5	18	16	14	7.5	1.5	15	12	17-18	CLDM#6-25-M/B/S (CLMS#6-25-M/B/S)
D Cut	25	S (Silver Gray)	18	60	M6	6.6	30	16	22	1.5	22	19.5	21	7.5	1.5	18	18	22-24	CLDM#6-32-M/B/S (CLMS#6-32-M/B/S)
D Cut	30	S (Silver Gray)	18	70	M6	6.6	35	20	25	1.5	25	23	25	7.5	1.5	21	23	26-28	CLDM#6-32-M/B/S (CLMS#6-32-M/B/S)

D	Standard, Clamp Lever Type: Compliance with Standard			Miniature, Clamp Lever Type: Compliance with Standard		
	SCKL SCDKL SCJKL	PSCKL PSCDKL PSCJKL	SSCKL SSCDKL SSCJKL	SCKM SCDKM SCJKM	PSCKM PSCDKM PSCJKM	SSCKM SSCDKM SSCJKM
6	•	•	•	•	•	•
8	•	•	•	•	•	•
10	•	•	•	•	•	•
12	•	•	•	•	•	•
15	•	•	•	•	•	•
16	•	•	•	•	•	•
20	•	•	•	•	•	•
25	•	•	•	•	•	•
30	•	•	•	•	•	•

- Do not tighten the lever without inserting the shaft. The shaft collar may be deformed and become unusable.
- Lever ( ) are applicable to SSCK#, SSCDK# and SSCJK# (stainless steel products).
- D<sub>1</sub> Tolerance for D25 and 30 is ±0.3. ( ) (O.D./I.D. chamfers) will be 1.0 for D30.

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