

# Shaft Collars

## For Bearing Fixing (Space-Saving Design) / Set Screw Compact Type

Features: Smaller by up to 40% in width (B dimension) and 19% in O.D. (D<sub>1</sub> dimension) than Set Screw Type (P.330)

**Shaft Collars – For Bearing Fixing / Set Screw Compact Type**

RoHS 10

Type		Material	Surface Treatment	Accessories
Short Shoulder	Long Shoulder			
SCBRJ	SCBSJ	1045 Carbon Steel or Equivalent	Black Oxide Coating	2 Set Screws (4137 Alloy Steel or Equivalent)
PSCBRJ	PSCBSJ		Electroless Nickel Plating	
SSCBRJ	SSCBSJ	304 Stainless Steel or Equivalent	—	2 Set Screws (304 Stainless Steel or Equivalent)

25/ (6.3/)

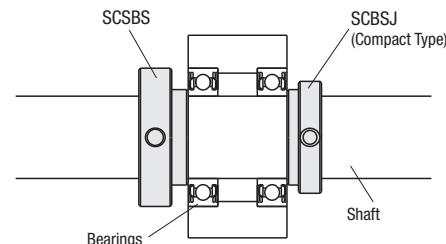
\*D4–D25: C0.5  
D30–D40: C1

Part Number	Ds	B (Short Shoulder)	B <sub>1</sub> (Long Shoulder)	D <sub>1</sub>	Set Screw M x Length	b	Applicable Bearing (O.D.)	Available Types							
								SCSBN	PSCSBN	SSCSBN	SCSNAW	SCSNAB			
Short Shoulder Type SCBRJ PSCBRJ SSCBRJ	4	6	9	10	M3 x 3	5	674ZZ (7), 684ZZ (9), 694ZZ (11), 604ZZ (12), 624ZZ (13)	•	•	•	•	•	•		
	5			12			675ZZ (8), 695ZZ (13), 605ZZ (14), 625ZZ (16)	•	•	•	•	•			
	6			13			676ZZ (10), 686ZZ (13), 696ZZ (15), 606ZZ (17), 626ZZ (19)	•	•	•	•	•			
	8			15			678ZZ (12), 688ZZ (16), 698ZZ (19), 608ZZ (22), 628ZZ (24)	•	•	•	•	•			
	Long Shoulder Type SCBSJ PSCBSJ SSCBSJ	10	7.5	10	17	M4 x 3	6	6800ZZ (19)	•	•	•	•	•	•	
		12			19			6900ZZ (22), 6000ZZ (26)	•	•	•	•	•		
		15			22			6200ZZ (30), 6300ZZ (35)	•	•	•	•	•		
		20			24			6701ZZ (18), 6801ZZ (21)	•	•	•	•	•		
		Long Shoulder Type SCBSJ PSCBSJ SSCBSJ	20	8.5	12	29	M5 x 4	7	6901ZZ (24), 6001ZZ (28)	•	•	•	•	•	•
			25			34			6201ZZ (32), 6301ZZ (37)	•	•	•	•	•	
			30			41			6802ZZ (24), 6902ZZ (28)	•	•	•	•	•	
			35			46			6002ZZ (32)	•	•	•	•	•	
Long Shoulder Type SCBSJ PSCBSJ SSCBSJ			40	10	14	53	M6 x 5	8	6202ZZ (35), 6302ZZ (42)	•	•	•	•	•	•
			45			6803ZZ (26)			•	•	•	•	•	•	
			50			6903ZZ (30), 6003ZZ (35)			•	•	•	•	•	•	
			55			6203ZZ (40), 6303ZZ (47)			•	•	•	•	•	•	
	Long Shoulder Type SCBSJ PSCBSJ SSCBSJ		60	14	17	67	M8	9	6704ZZ (27), 6804ZZ (32)	•	•	•	•	•	•
			70			6904ZZ (37)			•	•	•	•	•	•	
			80			6004ZZ (42), 6204ZZ (47)			•	•	•	•	•	•	
			90			6905ZZ (42)			•	•	•	•	•	•	
		Long Shoulder Type SCBSJ PSCBSJ SSCBSJ	100	17.5	21	111	M10	11	6005ZZ (47)	•	•	•	•	•	•
			120			6205ZZ (52), 6305ZZ (62)			•	•	•	•	•	•	
			140			6906ZZ (47)			•	•	•	•	•	•	
			160			6006ZZ (55), 6206ZZ (62), 6306ZZ (72)			•	•	•	•	•	•	
Long Shoulder Type SCBSJ PSCBSJ SSCBSJ			180	22.5	26	191	M10	11	6906ZZ (47)	•	•	•	•	•	•
			200			6207ZZ (57), 6307ZZ (67)			•	•	•	•	•	•	
			220			6907ZZ (55)			•	•	•	•	•	•	
			240			6007ZZ (62), 6207ZZ (72)			•	•	•	•	•	•	

⊖ D dimensions in ( ) are not available for Short Shoulder Type.

Part Number Example: SCBRJ10 - 13

Application Example



There's more on the web: [misumiusa.com](http://misumiusa.com)

# Shaft Collars

## For Bearing Fixing / Slit Type

Features: Less shaft damage from tightening than the Set Screw Type (P.330).

**Shaft Collars – For Bearing Fixing / Slit Type**

RoHS 10

Type		Material	Surface Treatment	Accessories
Short Shoulder	Long Shoulder			
SCSBN	SCSLS	1045 Carbon Steel or Equivalent	Black Oxide Coating	Hex Socket Head Cap Screw 1 pc. (4137 Alloy Steel or Equivalent)
PSCSBN	PSCSLS		Electroless Nickel Plating	
SSCSBN	SSCSLS	304 Stainless Steel or Equivalent	—	Hex Socket Head Cap Screw 1 pc. (304 Stainless Steel or Equivalent)
SCSNAW	SCSLAW	2000 Series Aluminum Alloy	Clear Anodize	
SCSNAB	SCSLAB		Black Anodize	

25/ (6.3/)

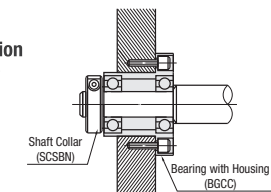
\*D3–D25: C0.5  
D30–D50: C1

Part Number	Ds	B	B <sub>1</sub>	D <sub>1</sub>	M (Coarse)	b	d	R	W	X	Y	Z	Applicable Bearing (O.D.)	Available Types						
														SCSBN	PSCSBN	SSCSBN	SCSNAW	SCSNAB		
Short Shoulder SCSBN PSCSBN SSCSBN SCSNAW SCSNAB	3	9	12	16	M3	8	3.4	3	1	4.5	2.2	3–5	673ZZ (6), 683ZZ (8)	•	•	•	•	•		
	4			18									693ZZ (8), 603ZZ (9), 623ZZ (10)	•	•	•	•	•		
	5			20									633ZZ (13)	•	•	•	•	•		
	6			25									674ZZ (7), 684ZZ (9)	•	•	•	•	•		
	Long Shoulder SCSLS PSCSLS SSCSLS SCSLAW SCSLAB	10	11.5	14	30	M4	10	4.5	3.75	1.5	11.5	6	12	694ZZ (11), 604ZZ (12), 624ZZ (13)	•	•	•	•	•	
		12			34									675ZZ (8), 685ZZ (10), 695ZZ (13), 605ZZ (14), 625ZZ (16)	•	•	•	•	•	
		15			40									676ZZ (10), 686ZZ (13)	•	•	•	•	•	
		17			45									677ZZ (11), 687ZZ (14), 697ZZ (17), 607ZZ (18), 627ZZ (19)	•	•	•	•	•	
		Long Shoulder SCSLS PSCSLS SSCSLS SCSLAW SCSLAB	20	14	17	40	M5	12	5.5	4.5	1.5	14	7	14	678ZZ (12), 688ZZ (16)	•	•	•	•	•
			25			45									698ZZ (19), 608ZZ (22), 628ZZ (24)	•	•	•	•	•
			30			55									679ZZ (13), 689ZZ (17)	•	•	•	•	•
			35			60									680ZZ (14), 690ZZ (18)	•	•	•	•	•
Long Shoulder SCSLS PSCSLS SSCSLS SCSLAW SCSLAB			40	17.5	21	60	M6	15	6.6	6	2	23	12	21	681ZZ (15), 691ZZ (19)	•	•	•	•	•
			45			60									682ZZ (16), 692ZZ (20)	•	•	•	•	•
			50			65									683ZZ (17), 693ZZ (21)	•	•	•	•	•
			55			70									684ZZ (18), 694ZZ (22)	•	•	•	•	•
	Long Shoulder SCSLS PSCSLS SSCSLS SCSLAW SCSLAB		60	22.5	26	85	M8	9	7	7	3	32	16	28	685ZZ (19), 695ZZ (23)	•	•	•	•	•
			70			85									686ZZ (20), 696ZZ (24)	•	•	•	•	•
			80			95									687ZZ (21), 697ZZ (25)	•	•	•	•	•
			90			105									688ZZ (22), 698ZZ (26)	•	•	•	•	•

⊖ \* marked sizes not available for SCSNAW, SCSLAW, SCSNAB, or SCSLAB part types.

Part Number Example: SCSBN10 - 14

Application Example



Check out [misumiusa.com](http://misumiusa.com) for the most current pricing and lead time.