

SJCL SERIES



Jaw Type Connecting Shaft

Structure and Material

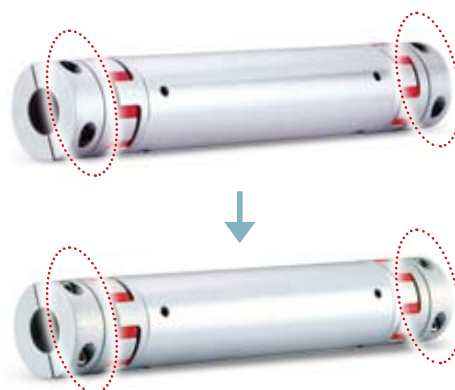


Structure	Material	Surface Treatment
Hub	High Strength Aluminum Alloy	Anodizing
Sleeve	Hytrel®(RD/GR)	-
Hollow Shaft	High Strength Aluminum Alloy	Anodizing
Screw	SCM435	Black Oxide

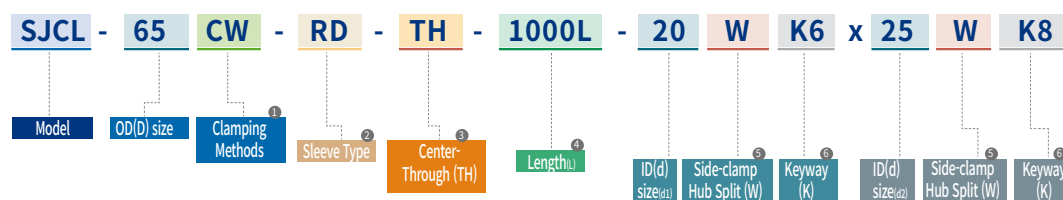
Product Features

- High durability (the best feature of SJC series coupling)
- Precise concentricity/straightness
- Minimized moment of inertia by aluminum alloy material
- Absorption of Impact/Vibration
- Easier installation and simpler maintenance

Parts with Alternative Material Options



How to Order



1 Clamping Methods

C General Side-clamp
CW Side-clamp Hub Split

2 Sleeve Type (Shore Stiffness)

RD Shore 63D
GR Shore 98A

3 Center-Through

No mark Center-Solid
TH Center-Through

4 L (Total Length)

5 Side-clamp Hub Split

No mark Not Split
W Split

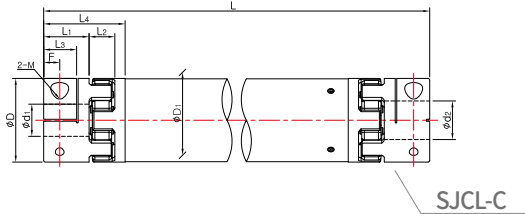
6 Keyway

No mark No Keyway
K(b size) Keyway processed according to the indicated b size.

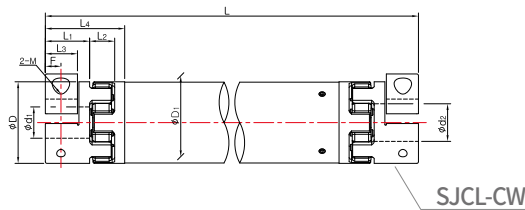
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Jaw Type Connecting Shaft

Side-clamp



Side-clamp Hub Split (W)



Dimensions / Performance

Model	Size (±0.3mm)							Screw		Length (mm)		Rated Torque (N-m)	Max. Torque (N-m)	Max. rpm (min ⁻¹)	Torsional Stiffness (N-m/rad)		Moment of Inertia (kg·m ²)		Permissible Misalignment		
	D	D ₁	L ₁	L ₂	L ₃	L ₄	F	Size	Fastening Torque (N-m)	min.	max.				coupling [TSc]	PIPE/m [TSS]	coupling	PIPE/m	Angular (°)	Parallel (mm)	End-play (mm)
SJCBL-30□□-GR	30	29.5	15.8	12.4	11.1	32.7	5.4	M4	3.5	95	2,000	10	20	1,500	180	1,380	7.5 x 10 ⁻⁶	1.6 x 10 ⁻⁴	2	16	-1.0 ~ +1.0
SJCBL-30□□-RD												14	28		220						
SJCBL-40□□-GR	40	39.5	25	16	16.5	45	8.4	M5	8	130	2,000	16	32	1,500	1,200	3,800	3.9 x 10 ⁻⁵	4.3 x 10 ⁻⁴	2	15.6	-1.0 ~ +1.2
SJCBL-40□□-RD												18	36		2,000						
SJCL-55□□-GR	55	54.5	30.3	18	21	54	10.5	M6	13	175	2,000	45	90	1,500	2,500	11,150	1.6 x 10 ⁻⁴	1.3 x 10 ⁻³	2	15.4	-1.0 ~ +1.4
SJCL-55□□-RD												60	120		4,000						
SJCL-65□□-GR	65	64.5	35.3	20	25.6	63	12.5	M8	30	200	2,000	120	240	1,500	4,000	19,310	3.8 x 10 ⁻⁴	2.2 x 10 ⁻³	2	15.1	-1.2 ~ +1.5
SJCL-65□□-RD												180	360		8,000						
SJCL-80□□-GR	80	79.5	45.2	24	30.2	77	14.7	M10	50	245	2,000	240	480	1,500	10,000	37,840	1.0 x 10 ⁻³	4.2 x 10 ⁻³	2	14.6	-1.2 ~ +1.5
SJCL-80□□-RD												320	640		20,000						
SJCL-100□□-GR	104	50.5	56.2	21	39.9	88.2	19.9	M12	90	300	2,000	300	600	1,500	20,000	100,000	4.6 x 10 ⁻³	4.2 x 10 ⁻²	2	14.4	-1.2 ~ +2.0
SJCL-100□□-RD												600	1,200		40,000						

- Please modify rated/max. torque value with temperature correction factor when it's higher than 30°C.
- Max. torque/rated torque is the value regarding to a coupling's self-durability and is not related to slip-torque between the coupling bore and the shaft.
- Please contact Sung-il Customer Service team for the special lengths (out of range).

Standard Inner Diameter (ID)

Model	Standard Inner Diameter (d ₁ , d ₂) (mm)																								
	7	8	9	10	11	12	14	15	16	18	19	20	22	24	25	26	28	30	32	35	40	45	50	55	60
SJCBL-30□□-□□	●	●	●	●	●	●	●																		
SJCBL-40□□-□□		●	●	●	●	●	●	●	●	●															
SJCL-55□□-□□						●	●	●	●	●	●	●	●	●	●	●	●								
SJCL-65□□-□□								●	●	●	●	●	●	●	●	●	●	●	●	●					
SJCL-80□□-□□								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
SJCL-100□□-□□												●	●	●	●	●	●	●	●	●	●	●	●	●	●

- The recommended shaft tolerance is h7.
- Custom process (e.g. non-standard Inner diameter, special tolerance etc.) is also available upon a special request in prior to order placement.
- Keyway is available. (Optional)