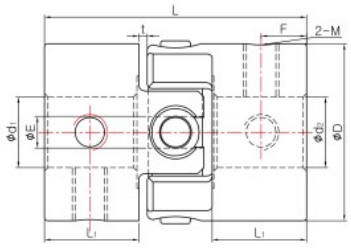
SCJ SERIES

Cross Joint Coupling

Set-screw



Dimensions / Performance

Model	Size (±0.3mm)						Screw		Rated Torque (N·m)	Max. Torque (N·m)	Max. rpm (min^{-1})	Moment of Inertia ($kg·m^2$)	Static Torsional Stiffness (N·m/rad)	Mass (g)	Permissible Misalignment	
	D	L	L_1	E	t	F	Size	Fastening Torque (N·m)							Angular (°)	Parallel (mm)
SCJ-15	15	22.2	8	2.7	0.7	3.9	M3	0.7	0.25	0.5	21,000	2.9×10^{-7}	200	9	1.5	0.3
SCJ-20	20	23.4	7.9	4.2	0.8	3.8	M3	0.7	0.5	1	16,000	1.0×10^{-6}	450	20	1.5	0.5
SCJ-25	25	30.4	10.4	5.2	1.3	5	M4	1.7	1	2	12,000	3.1×10^{-6}	800	35	1.5	0.5
SCJ-32	32	39	13.5	8.2	1.6	6.6	M4	4	2	4	9,000	1.1×10^{-5}	1,200	75	1.5	0.5
SCJ-40	40	45.6	16	10	1.8	7.8	M5	4	5	10	7,000	3.1×10^{-5}	1,900	145	1.5	0.5

- The Moment of Inertia and Mass values are based on products with max. Inner diameter.
- 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. (Set-screw type is usually less durable than other clamping method, thus please consider it has a complementary option e.g. keyway along with.)

Standard Inner Diameter (ID)

Model	Standard Inner Diameter (d_1, d_2) (mm)										
	3	4	5	6	6.35	8	10	11	12	14	15
SCJ-15	●	●	●								
SCJ-20		●	●	●	●	●					
SCJ-25			●	●	●	●	●				
SCJ-32				●	●	●	●	●	●	●	
SCJ-40						●	●	●	●	●	●

- 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)