

SRG Series

Miniature Rigid Coupling



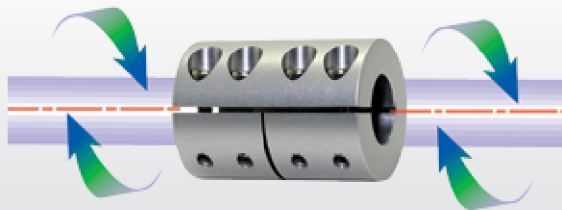
'SI. CO' mark(Trademark : 40-2012-0061376) indicates that the authenticity is certified.

Sung-il's small precise Rigid coupling has a One-Piece structure. It is used to connect two shafts as a joint, and shows excellent performance in any conditions (low or high speed, high torque and etc). However, it does not accept misalignments such as parallel, angular misalignment and end-play because it is might be deformed thereby. Therefore, to protect the coupling and machine, please use after arranging shafts perfectly.



Features

- Zero Backlash
- Identical CW/CCW rotational performance
- High torsional stiffness, High allowable torque
- One-piece type
- Precise concentricity
- No allowable misalignment



Structure and material

SRG - ■ ■ ■



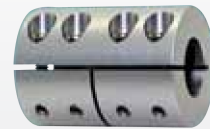
(SET SCREW TYPE)

SRG - ■ ■ ■ C



(CLAMP TYPE)

SRGL - ■ ■ ■ C



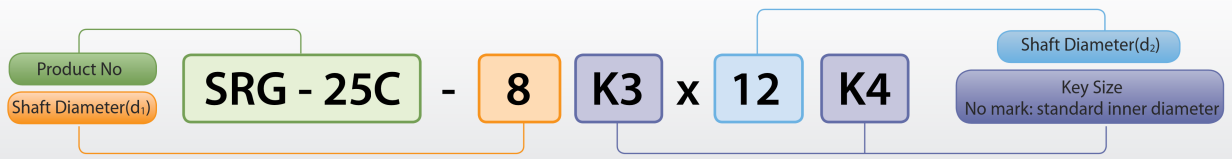
(LONG CLAMP TYPE)

Material : Aluminum Alloy

Surface Treatment : Alumite

Bolt: SCM435
(Stainless steel bolt is available)

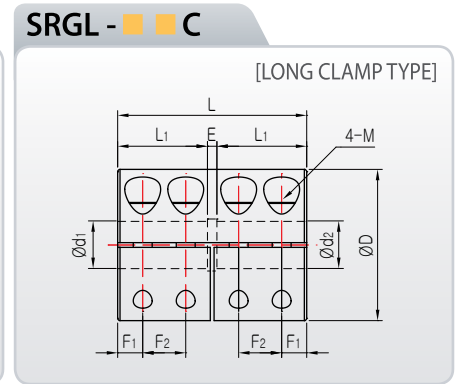
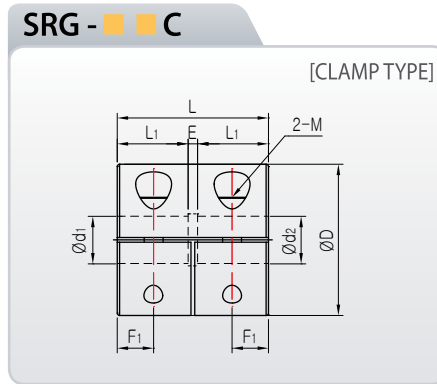
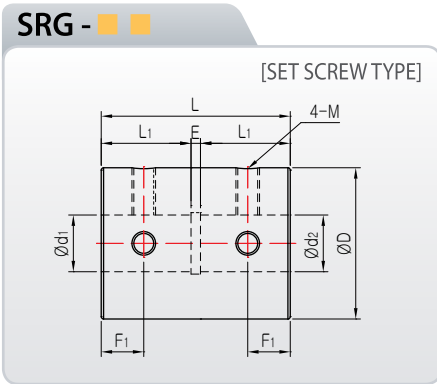
How to order product



※ Please mark each inner diameter size.
※ For clamp type SRG model, split hub is available, but the lead time must be checked.

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Please, download CAD DATA from www.sungilfa.com



Dimensions & Performance

Product Number	Dimension (mm) (±0.3)						Fastening Bolt M	Fastening Torque (N · m)	Max· RPM (min ⁻¹)	Max Torque (N · m)	Rated Torque (N · m)	Moment of Inertia (kg · m ²)	Mass (g)
	D	L	L ₁	E	F ₁	F ₂							
SRG-16	16	22,5	10,25	2	5	-	M3	0,7	25,000	0,6	0,3	3,9 × 10 ⁻⁷	10
SRG-20	20	24	11	2	5,5	-	M3	0,7	20,000	1	0,5	9,7 × 10 ⁻⁷	15,4
SRG-25	25	35	16,5	2	7,5	-	M4	1,7	18,000	2	1	3,5 × 10 ⁻⁶	36
SRG-32	32	40	19	2	9	-	M5	4	14,000	4	2	1,1 × 10 ⁻⁵	69
SRG-43	43	52	25	2	12	-	M6	7	12,000	9	4,5	4,6 × 10 ⁻⁵	153
SRG-53	53	66	32	2	15,5	-	M8	15	8,000	22	11	1,4 × 10 ⁻⁴	316
SRG-16C	16	16	7	2	3,7	-	M2,6	1	18,000	0,6	0,3	2,5 × 10 ⁻⁷	6,8
SRG-20C	20	20	9	2	4,6	-	M2,6	1	15,000	1	0,5	7,5 × 10 ⁻⁷	12
SRG-25C	25	25	11,5	2	5,8	-	M3	1,7	12,000	2	1	2,3 × 10 ⁻⁶	24
SRG-32C	32	32	15	2	7,6	-	M4	3,5	10,000	4	2	8,0 × 10 ⁻⁶	52
SRG-43C	43	41	19,5	2	10	-	M5	8	8,000	9	4,5	3,3 × 10 ⁻⁵	114
SRG-53C	53	51	24,5	2	12,5	-	M6	13	6,000	22	11	9,2 × 10 ⁻⁵	234
SRGL-16C	16	22,5	10,25	2	3	5,4	M2,6	1	16,000	0,8	0,4	3,4 × 10 ⁻⁷	9,3
SRGL-20C	20	24	11	2	3,1	5,6	M2,6	1	14,000	1,2	0,6	8,6 × 10 ⁻⁷	14
SRGL-25C	25	35	16,5	2	4,7	7,6	M3	1,7	10,000	2,4	1,2	3,2 × 10 ⁻⁶	34
SRGL-32C	32	40	19	2	5,3	9,1	M4	3,5	9,000	4,8	2,4	9,8 × 10 ⁻⁶	63
SRGL-43C	43	52	25	2	7	11,5	M5	8	7,000	10	5	4,1 × 10 ⁻⁵	141
SRGL-53C	53	66	32	2	9	14,5	M6	13	5,500	24	12	1,3 × 10 ⁻⁴	297

- For the inner diameter, INCH type is available
- Non-Standard inner diameter is also available
- Keyway is available
- The recommendation for shaft tolerance is h7.
- * Mass and mass moment of inertia are measured with max. bore size

Standard Inner diameter

Product Number	Standard Inner Diameter(d ₁ , d ₂ , unit:mm)															
	3	4	5	6	8	10	11	12	14	15	16	18	20	22	24	25
SRG-16 / SRG-16C / SRGL-16C	●	●	●	●												
SRG-20 / SRG-20C / SRGL-20C		●	●	●	●	●										
SRG-25 / SRG-25C / SRGL-25C			●	●	●	●	●	●								
SRG-32 / SRG-32C / SRGL-32C				●	●	●	●	●	●	●						
SRG-43 / SRG-43C / SRGL-43C						●	●	●	●	●	●	●	●	●		
SRG-53 / SRG-53C / SRGL-53C								●	●	●	●	●	●	●	●	●