

# SRG Series

## Miniature Rigid Coupling



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

SUNGIL'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 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

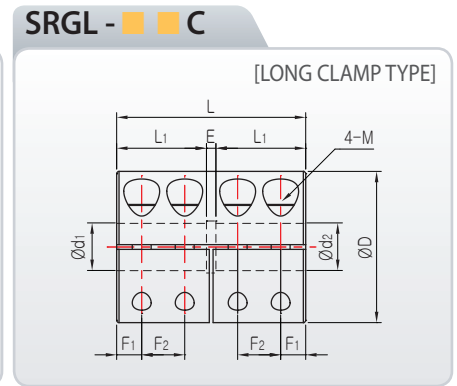
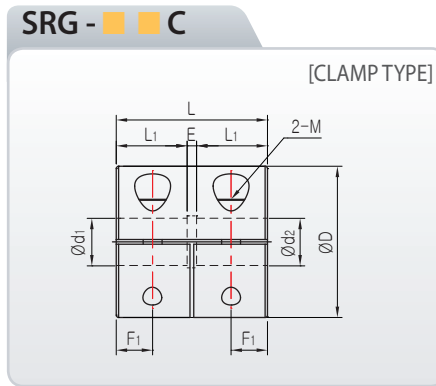
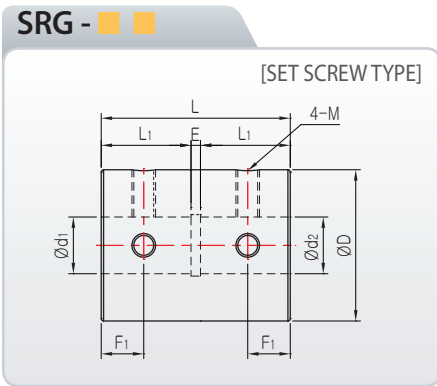


※ Please mark each inner diameter size.

※ For clamp type SRG model, split hub is available, but the lead time must be checked.

# SRG Series Miniature Rigid Coupling

Please, download CAD DATA from [www.sungilfa.com](http://www.sungilfa.com)



## Dimensions & Performance

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

- For the inner diameter, INCH type is available
- Nonstandard 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 <sub>1</sub> , d <sub>2</sub> , 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								●	●	●	●	●	●	●	●	●