

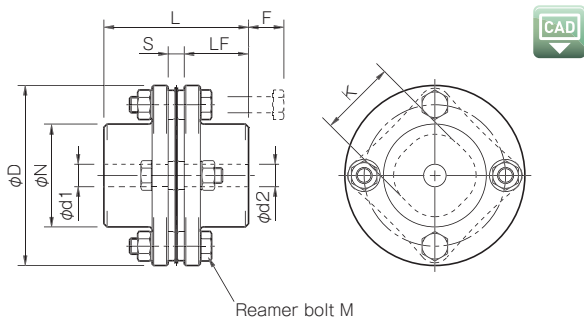
# SFS S Types Single Element Type

## Specifications

Model	Rated torque [N·m]	Misalignment		Max. rotation speed [min <sup>-1</sup> ]	Torsional stiffness [N·m/rad]	Axial stiffness [N/mm]	Moment of inertia [kg·m <sup>2</sup> ]	Mass [kg]
		Angular [°]	Axial [mm]					
SFS-05S	20	1	± 0.6	25000	16000	43	0.11 × 10 <sup>-3</sup>	0.30
SFS-06S	40	1	± 0.8	20000	29000	45	0.30 × 10 <sup>-3</sup>	0.50
SFS-08S	80	1	± 1.0	17000	83000	60	0.87 × 10 <sup>-3</sup>	1.00
SFS-09S	180	1	± 1.2	15000	170000	122	1.60 × 10 <sup>-3</sup>	1.40
SFS-10S	250	1	± 1.4	13000	250000	160	2.60 × 10 <sup>-3</sup>	2.10
SFS-12S	450	1	± 1.6	11000	430000	197	6.50 × 10 <sup>-3</sup>	3.40
SFS-14S	800	1	± 1.8	9500	780000	313	9.90 × 10 <sup>-3</sup>	4.90
SFS-05S-C	15	1	± 0.6	25000	16000	43	0.11 × 10 <sup>-3</sup>	0.30
SFS-06S-C	30	1	± 0.8	20000	29000	45	0.30 × 10 <sup>-3</sup>	0.50
SFS-08S-C	60	1	± 1.0	17000	83000	60	0.87 × 10 <sup>-3</sup>	1.00
SFS-09S-C	135	1	± 1.2	15000	170000	122	1.60 × 10 <sup>-3</sup>	1.40
SFS-10S-C	190	1	± 1.4	13000	250000	160	2.60 × 10 <sup>-3</sup>	2.10
SFS-12S-C	340	1	± 1.6	11000	430000	197	6.50 × 10 <sup>-3</sup>	3.40
SFS-14S-C	600	1	± 1.8	9500	780000	313	9.90 × 10 <sup>-3</sup>	4.90
SFS-06S-□M-□M	40	1	± 0.8	5000	29000	45	0.30 × 10 <sup>-3</sup>	0.70
SFS-08S-□M-□M	80	1	± 1.0	5000	83000	60	0.93 × 10 <sup>-3</sup>	1.30
SFS-09S-□M-□M	180	1	± 1.2	5000	170000	122	1.80 × 10 <sup>-3</sup>	1.80
SFS-10S-□M-□M	250	1	± 1.4	5000	250000	160	2.70 × 10 <sup>-3</sup>	2.30
SFS-12S-□M-□M	450	1	± 1.6	5000	430000	197	6.80 × 10 <sup>-3</sup>	4.10
SFS-14S-35M-35M	580	1	± 1.8	5000	780000	313	14.01 × 10 <sup>-3</sup>	6.40
SFS-06S-□M-11C	40	1	± 0.8	5000	29000	45	0.29 × 10 <sup>-3</sup>	0.60
SFS-06S-15M-16C	40	1	± 0.8	5000	29000	45	0.34 × 10 <sup>-3</sup>	0.70
SFS-08S-□M-16C	80	1	± 1.0	5000	83000	60	0.84 × 10 <sup>-3</sup>	1.20
SFS-09S-□M-16C	180	1	± 1.2	5000	170000	122	1.50 × 10 <sup>-3</sup>	1.60

\*Max. rotation speed does not take into account dynamic balance.  
 \*The moment of inertia and mass are measured for the maximum bore diameter.

## Dimension (SFS-□S) Pilot Bore/Key or Set Screw



Model	d1 · d2			D	N	L	LF	S	F	K	M
	Pilot bore	Min.	Max.								
SFS-05S	7	8	20	56	32	45	20	5	11	24	4-M5 × 22
SFS-06S	7	8	25	68	40	56	25	6	10	30	4-M6 × 25
SFS-08S	10	11	35	82	54	66	30	6	11	38	4-M6 × 29
SFS-09S	10	11	38	94	58	68	30	8	21	42	4-M8 × 36
SFS-10S	15	16	42	104	68	80	35	10	16	48	4-M8 × 36
SFS-12S	18	19	50	126	78	91	40	11	23	54	4-M10 × 45
SFS-14S	20	22	60	144	88	102	45	12	31	61	4-M12 × 54

\* Pilot bores are to be drilled into the part. See the standard hole-drilling standards of P.58 for information on bore drilling.  
 \* The nominal diameter of the reamer bolt is equal to the quantity minus the nominal diameter of the screw threads times the nominal length.

### How to Place an Order

### SFS-10S-C-25H-30H

- Size: 10
- Type: S
- Surface finishing options: Blank, -C: Electroless nickel plating
- Bore diameter: d1 (Small diameter) - d2 (Large diameter)
- Blank: Pilot bore
- Bore specifications: Blank: Compliant with the old JIS standards (class 2) E9
- H: Compliant with the new JIS standards H9
- J: Compliant with the new JIS standards Js9
- P: Compliant with the new JIS standards P9
- N: Compliant with the new motor standards