

> FEATURES:

- Long life under continuous slip conditions
- Unidirectional or bidirectional operation
- Same or different clockwise and counterclockwise torques
- Precise and stable limit torque calibration (0.0035 to 1.695 N • m)
- Same torque at breakaway as at high slip velocities
- Corrosion-resistant materials

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> APPLICATIONS:

- Tension control of film or tape drives
- Friction loads for testing components
- Transmission overload protection

> RECOMMENDED MOUNTING PROCEDURE:

- Coupling is slipped over one shaft and applicable screws tightened.
- Second shaft is inserted into other end of coupling.
- Pull loose end of coupling back about 0.5 mm and tighten applicable screws.

The slip coupling serves as a torque limiter as well as a coupling for two colinear shafts. This coupling is equipped with hubs at both ends for pinning to the two shafts. When the load exceeds the limit torque of a slip coupling, the two shafts rotate relative to each other at the full limit torque. The standard coupling is designed to operate with 3° angular or linear misalignments of up to 0.25 mm between the two shafts. The mounting hole diameters of the slip couplings can differ for the two ends, so that different diameters of “in-line” shafts can be coupled together.

*Stock units are calibrated with equal clockwise and counterclockwise slip torques corresponding to the tabulated Upper Limit Torques. Other torques are readily available from full, down to 1/8 of the Upper Limit Torque for each model. Torque values are independent of each other for clockwise and counterclockwise rotation, and may be specified the same or different for the directions.

This series of slip couplings is designed for long life under continuous slip conditions. The useful life of these elements is a function of the transmitted torque and slip speed.



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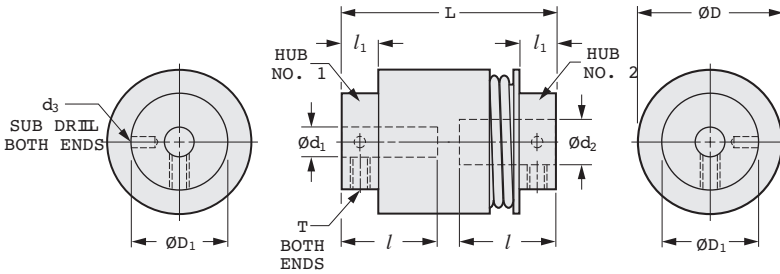
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SPRING-WRAPPED SLIP COUPLINGS

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METRIC COMPONENT

Catalog Number	d_1 Bore + 0.025 0	d_2 Bore + 0.025 0	D ± 0.5	L ± 0.8	D_1 Max.	l	l_1 ± 0.5	T Set Screw	d_3 Sub Drill	Upper Limit Torque* N • m	Weight g
S9941YMSWC12X33	3	3	12.7	22.6	12.7	10.9	4.32	M2	.74	0.035 ± 0.005	17
S9941YMSWC12X34	3	4									
S9941YMSWC12X44	4	4									
S9941YMSWC19X44	4	4									
S9941YMSWC19X46	4	6	19.05	28.2	16	12.7	4.83	M3	1.02	0.085 ± 0.008	34
S9941YMSWC19X66	6	6									
S9941YMSWC25X44	4	4									
S9941YMSWC25X46	4	6									
S9941YMSWC25X66	6	6	25.4	32	19.3	14	4.83	M3	1.02	0.141 ± 0.014	74
S9941YMSWC31X66	6	6									
S9941YMSWC31X6A	6	10									
S9941YMSWC31XAA	10	10									
S9941YMSWC38X88	8	8	38.1	40.4	32	18.54	6.35	M4	1.4	0.622 ± 0.063	184
S9941YMSWC38XAA	10	10									
S9941YMSWC47XAA	10	10									
S9941YMSWC47XAC	10	12									
S9941YMSWC47XCC	12	12	47.5	46.74	38.4	21.6	7.11	M4	1.4	0.847 ± 0.085	312
S9941YMSWC57XAA	10	10									
S9941YMSWC57XAC	10	12									
S9941YMSWC57XCC	12	12									
S9941YMSWC57XCG	12	16	57.15	57.15	51.1	25.4	9.65	M5	2.36	1.695 ± 0.170	624
S9941YMSWC57XGG	16	16									

*See Preceding Page.

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REV:
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