

SLI Couplings



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1. Aluminium flexible coupling introduction:

Aluminium flexible couplings are offered in the industry's largest variety of stock bore/keyway combinations. These couplings require no lubrication and provide highly reliable service for light, medium, and heavy duty electrical motor and internal combustion power transmission applications. Applications include power transmission to industrial equipment such as pumps, gear boxes, compressors, blowers, mixers, and conveyors.

2. Our aluminium flexible coupling details are as follow:

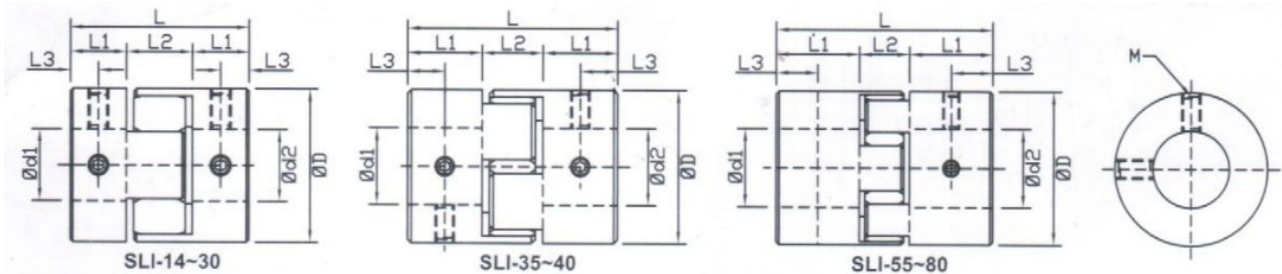
1. Material: Aluminium alloy or steel, TPU, NBR rubber etc.
2. Elastic Spider: Three type of Elastic Spider can be choosed 86SH. A 92SH. A 98SH. A
3. Surface treatment: black finished / Anodizing.
4. High sensitivity High torque rigid Zero backlash.
5. Type of shaft lock: Setscrew or Clamp type.
6. Rotation character of clockwise or anti-clockwise are exactly the same.
7. Coupling assembled by pressing a polyurethane sleeve into hubs on both sides.

3. Our Features:

1. Zero backlash.
2. Small volume and large transmitted torque.
3. Free maintenance, oil-resist and anti-corrosiveness.
4. Easy pulling out and install.
5. Stock to ensure a prompt delivery within one week.
6. High-performance with competitive prices.

4: Coupling sizes:

Model	d1 d2		D	L	L1	L2	L3	M	Tightening torque [N.m]
	Min	Max							
SLI-14	3	7	14	22	7.5	7.0	3.8	M3	0.7
SLI-20	4	10	20	30	10.3	9.0	5.2	M4	1.7
SLI-25	5	12	25	34	11.5	11.0	5.8	M4	1.7
SLI-30	5	15	30	35	11.7	11.6	5.9	M4	1.7
SLI-35	8	17	35	50	18.0	14.0	9.0	M5	4.0
SLI-40	8	22	40	55	20.0	15.0	10.0	M5	4.0
SLI-40L	8	22	40	66	25.5	15.0	12.8	M5	4.0
SLI-55	12	30	55	78	30.5	17.0	15.3	M6	7.0
SLI-65	14	38	65	90	36.0	18.0	18.0	M8	15.0
SLI-80	19	45	80	114	46.0	22.0	23.0	M8	15.0



5: Technical data:

Model	Rated torque		Maximum Speed [r/min]	Inertia moment [kg·m ²]	[N/mm]	[N.m/rad]	Maximum allowed deviation			Weight [g]
	Nominal [N.m]	Max [N.m]					Radial direction [mm]	Angle [.]	Axial [mm]	
SLI-14	2	4	10000	1.98×10^{-7}	369	20	0.1	1	±0.6	6
SLI-20	4.8	9.6	10000	1.09×10^{-6}	388	42	0.1	1	±0.8	18
SLI-25	9.5	19	10000	4.26×10^{-6}	518	95	0.1	1	±0.9	32
SLI-30	12	24	10000	6.19×10^{-6}	630	132	0.1	1	±1.0	47
SLI-35	15	30	10000	2.56×10^{-5}	1030	950	0.1	1	±1.1	90
SLI-40	16.5	33	10000	3.34×10^{-5}	1370	1250	0.1	1	±1.2	123
SLI-40L	16.5	33	10000	4.01×10^{-5}	1650	1500	0.1	1	±1.2	150
SLI-55	58	116	10000	1.63×10^{-4}	1310	1940	0.1	1	±1.4	346
SLI-65	155	310	10000	3.69×10^{-4}	1360	3010	0.1	1	±1.5	510
SLI-80	315	630	10000	1.04×10^{-3}	1660	5820	0.1	1	±1.8	1010