

Lovejoy / Sier-Bath Flanged Sleeve Gear Couplings

FSLX Type Long Slide Couplings

The FSLX Type basic coupling consists of a standard flex half and a custom designed long slide half. The standard flex half can be replaced by a reversed and modified hub for additional slide requirement. These couplings are also supplied with a plate with lube holes. The coupling is supplied with exposed bolts as standard. Shrouded bolts available upon request through size 5.5.

Features

- Patented Vari-Crown® tooth form for long life
- Standard 20° pressure angle
- Heat treated bolts for greater strength
- Corrosion resistant bolts and nuts for ease of maintenance
- Assembled to suit a wide range of axial movement
- Plates with lube holes so both halves of the coupling will be adequately lubricated



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FSLX Type Performance Data

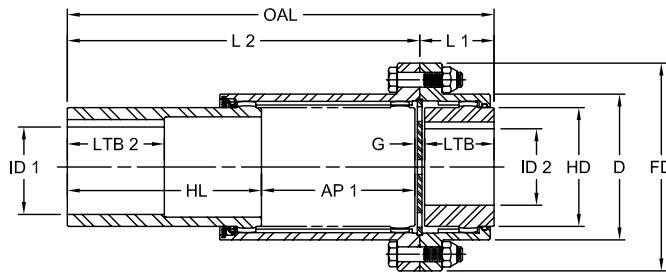
Size	Nominal Torque		Maximum Speed		ID1 - ID2				Weight		Max Angular Misalignment Degrees
					Max Bore		Rough Stock Bore				
	in-lb	Nm	Unbal RPM	Bal RPM	in	mm	in	mm	lbs	kg	
1.5	18,900	2 140	5,500	8,250	2.125	56	0.69	18	19	9	1.5° Per Gear Mesh
2	31,500	3 560	5,000	7,500	2.750	73	0.94	24	34	15	
2.5	56,700	6 410	4,400	6,600	3.250	85	1.44	37	54	25	
3	94,500	10 700	4,000	6,000	4.000	107	1.44	37	80	36	
3.5	151,200	17 100	3,500	5,250	4.625	125	1.81	46	130	59	
4	220,500	24 900	3,000	4,500	5.375	145	2.44	62	190	86	
4.5	302,400	34 200	2,700	4,050	6.000	165	3.00	76	250	114	
5	434,700	49 100	2,500	3,750	6.500	180	3.00	76	380	173	
5.5	573,300	64 800	2,200	3,300	7.500	200	4.00	101	520	236	
6	749,700	84 700	2,100	3,150	8.250	225	4.00	101	650	295	
7	1,008,000	113 900	2,000	3,000	9.500	255	5.75	139	950	431	

Ordering Information

- Application: Driver and Driven.
- Type and size of coupling, horizontal, vertical etc.
- Power: Motor horsepower or torque requirement.
- Speed: Motor RPM or Driven RPM.
- Distance between shaft ends (maximum-minimum shaft separation).
- Shaft sizes.
- Amount of slide required.
- HL Dimension.
- LTB2 Dimension.

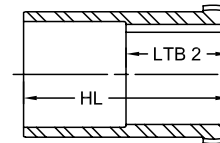
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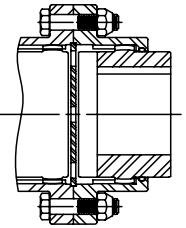


Long Slide Half

Standard Half



Alternate Type hub shaft
contact is deep inside hub



One Hub reversed with
long slide half

FSLX Type Dimensional Data

Size	OAL	L1 Std Hub	L2 Slide Half	ID1 - ID2				LTB Std Hub	LTB2 Slide Hub	G Min	AP1 Long Slide Max	AP2 Long Slide w/one Hub Reversed Max	AP3 Long Slide Both Ends Max	HL	FD	D	HD
				Max Bore		Rough Stock Bore											
				in	mm	in	mm										
1.5	10.41	2.00	8.41	2.125	56	0.69	18	1.84	2.19	0.31	3.38	3.72	6.75	4.88	6.00	3.97	3.00
2	10.88	2.50	8.38	2.750	73	0.94	24	2.34	2.69	0.31	3.31	4.09	6.63	4.91	7.00	4.86	4.00
2.5	13.59	3.13	10.47	3.250	85	1.44	37	2.94	3.28	0.38	4.16	5.09	8.31	6.13	8.83	5.84	4.63
3	21.72	3.69	18.03	4.000	107	1.44	37	3.50	3.84	0.38	7.78	8.81	15.56	10.06	9.44	6.84	5.63
3.5	22.38	4.31	18.06	4.625	125	1.81	46	4.09	4.44	0.44	7.66	8.72	15.31	10.19	11.00	7.91	6.50
4	23.00	4.88	18.13	5.375	145	2.44	62	4.56	5.00	0.63	7.50	8.81	15.00	10.31	12.50	9.25	7.50
4.5	23.75	5.47	18.28	6.000	165	3.00	76	5.13	5.56	0.69	7.38	9.06	14.75	10.56	13.63	10.38	8.50
5	24.16	6.19	17.97	6.500	180	3.00	76	5.84	6.28	0.69	7.06	9.03	14.13	10.56	15.31	11.56	9.50
5.5	25.09	7.06	18.03	7.500	200	4.00	101	6.72	6.88	0.69	6.81	8.88	13.63	10.88	16.75	12.72	10.50
6	25.66	7.56	18.09	8.250	225	4.00	101	7.16	7.66	0.81	6.81	8.28	13.63	10.88	18.00	14.00	11.50
7	27.06	8.88	18.19	9.500	255	5.75	139	8.38	8.94	1.00	6.81	8.72	13.63	10.88	20.75	15.75	13.00

- Notes:
- Exposed Bolt Design is standard.
 - Shrouded Bolt Design available upon request for sizes 1 through 5.5.
 - Puller Holes are standard on sizes 4 through 9.
 - Puller Holes are available for sizes 1 through 3.5 at an additional charge.
 - Interference bores with no set screws are standard unless otherwise specified.
 - Inch bore and keyway tolerances conform to AGMA 9002-B04.
 - For metric bore and keyway tolerances, consult Lovejoy Engineering Section.