

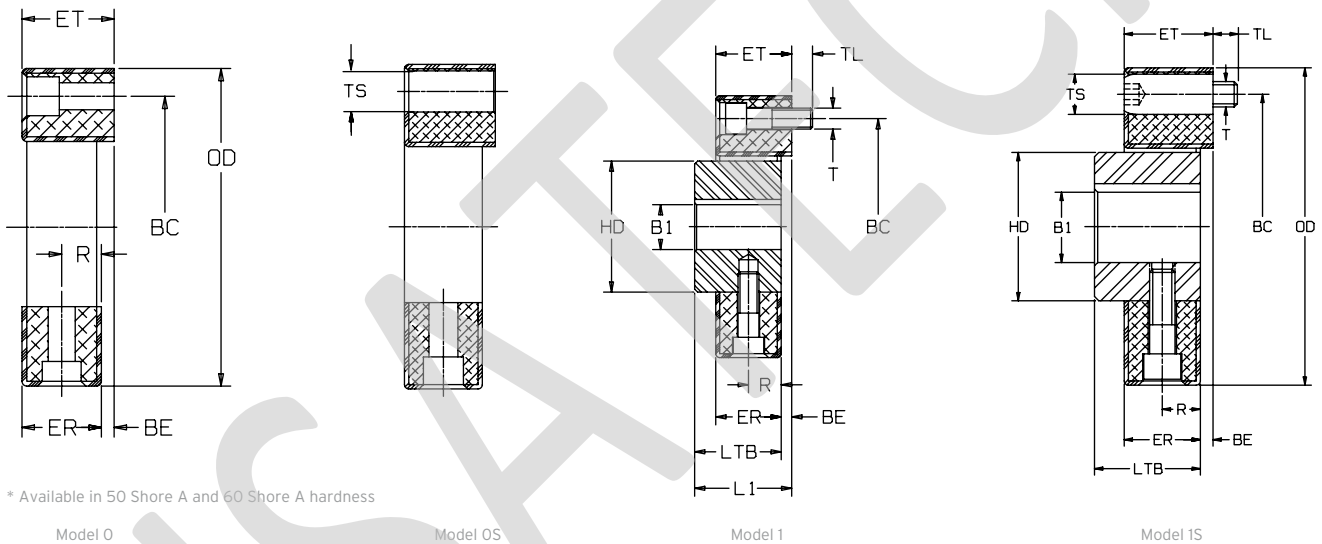
FLEX LF Torsional flexible elements

Rubber (HTR High Temperature Rubber)*



The coupling elements are torsionally soft and are placed into compression during assembly. Rubber in compression can carry up to five times the amount of torque, as compared to non-compressed elements. The rubber FLEX LF Torsional elements effectively accommodate shock, misalignment and vibration and do not exert harmful radial and axial forces on the connected equipment. Each rubber element material is available in various durometer hardness (Shore A Scale) of 50 and 60 for particular torsional vibration requirements. Natural rubber (HTR) elements have an operating range of -40 °C to 90 °C.

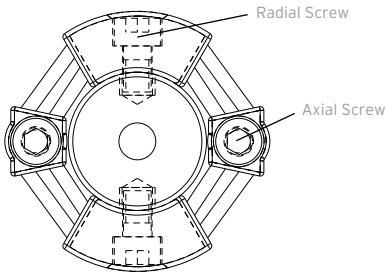
FLEX LF Torsional dimensions



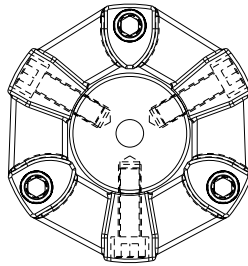
Dimensions for basic models (mm)

Coupling size	Bore B1		Bore B2		OD	FOD	ET	OAL	L1	HD	ER	BE	LTB	FT	FD
	Min	Max	Min	Max											
LF1	8	19	8	25	56	56	24	50	26	30	22	2	24	7	36
LF2	10	26	12	38	85	85	24	60	32	40	20	4	28	8	55
LF4	12	30	15	45	100	100	28	64	34	45	24	4	30	8	65
LF8	12	38	18	55	120	120	32	88	46	60	28	4	42	10	80
LF12	12	38	18	55	122	120	32	88	46	60	28	4	42	10	80
LF16	15	48	20	70	150	150	42	106	56	70	36	6	50	12	100
LF22	15	48	20	70	150	150	42	106	56	70	36	6	50	12	100
LF25	15	55	20	85	170	170	46	116	61	85	40	6	55	14	115
LF28	15	55	20	85	170	170	46	116	61	85	40	6	55	14	115
LF30	20	65	25	100	200	200	58	140	74	100	50	8	66	16	140
LF50	20	65	25	100	200	200	58	140	74	100	50	8	66	16	140
LF80	20	65	25	100	205	200	65	141.5	75.5	100	61	4	66	16	140
LF90	30	85	30	110	260	260	70	168	88	125	62	8	80	19	160
LF140	30	85	30	110	260	260	70	168	88	125	62	8	80	19	160
LF250	40	105	40	130	340	340	85	208	108	160	77	8	100	19	195

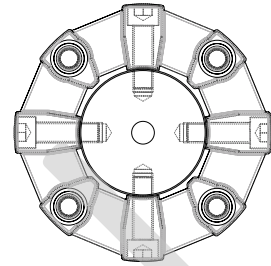
FLEX LF Torsional dimensions



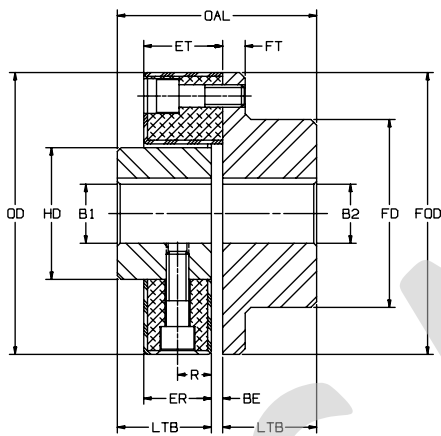
Version 2 x 2 screws
180°
(FLEX LF 1 + LF 2)



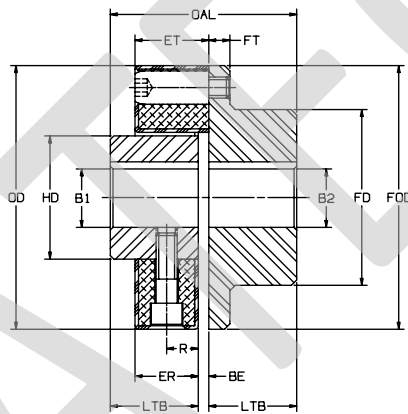
Version 3 x 3 screws
120°
(FLEX LF 4, LF 8, LF 16, LF 25, LF 30, LF 90)



Version 4 x 4 screws
90°
(FLEX LF 22, LF 28, LF 50, LF 80, LF 140)



Model 2



Model 2/S

The "S-Style" design is not constrained axially and thus allows the hubs to move apart without creating axial force on the connected equipment. Special length S-Style fastener sleeves can further increase the allowable end float.

Angular and parallel misalignment values are dependent on speed, and for rubber elements, they should be adjusted according to figure 2 on page 11.

Screw-dimensions for basic models (mm)

Coupling size	R/division		BC/division		T	TS	TL	R
FLEX								
LF1	11	2 @ 180°	44	2 @ 180°	M6	10	7	11
LF2	10	2 @ 180°	68	2 @ 180°	M8	14	8	10
LF4	12	3 @ 120°	80	3 @ 120°	M8	14	8	12
LF8	14	3 @ 120°	100	3 @ 120°	M10	17	10	14
LF12	14	4 @ 90°	100	4 @ 90°	M11	17	10	14
LF16	18	3 @ 120°	125	3 @ 120°	M12	19	12	18
LF22	18	4 @ 90°	125	4 @ 90°	M12	19	12	18
LF25	20	3 @ 120°	140	3 @ 120°	M14	22	14	20
LF28	20	4 @ 90°	140	4 @ 90°	M14	22	14	20
LF30	25	3 @ 120°	165	3 @ 120°	M16	25	16	25
LF50	25	4 @ 90°	165	4 @ 90°	M16	25	16	25
LF80	30.5	4 @ 90°	165	4 @ 90°	M16	25	16	30.5
LF90	31	3 @ 120°	215	3 @ 120°	M20	32	20	31
LF140	31	4 @ 90°	215	4 @ 90°	M20	32	20	31
LF250	22.5 / 54.5	4 @ 90°	280	4 @ 90°	M20	32	20	22.5 / 54.5