LM Series

The LM Series torsional couplings are designed specifically for diesel engine driven equipment. The LM couplings are highly torsionally compliant, allowing the engine to drive a relatively small inertia load safely from damaging torsional resonance over a wide speed range from low idle RPM to full engine speed. This task is accomplished by shifting the critical speeds far enough below the idle speed allowing full use of the entire working speed range of the engine with very few limitations. These engineered couplings affect an attenuated level of stress throughout the whole drive train by reducing vibratory torque to a very low level. The coupling selection should be verified with a Torsional Vibration Analysis of the system.

Materials

Elastomeric Element

- Temperature-resistant natural rubber available in a variety of Shore A scale hardness to suite individual application requirements
- -49° to 200° F operating temperature range
- Silicone element available for high ambient temperatures
- EPDM available for chemical resistant
- -49° to 250° F operating temperature range

Outer Ring

- High-grade cast aluminum alloy

Inner Hub

- Steel with minimum tensile strength of 85,000 psi (600 N/mm^2)
- Available in bore with keyway and spline connections
- Taper-Loc spline hubs available
- Splines with L-LOC available

Typical Applications

- Splitter-gear multiple pump drives
- Generator sets (2-bearing)
- Locomotives
- Hydraulic pumps
- Centrifugal pumps
- Compressors

Range of Sizes

- 8 sizes ranging from nominal torques of 2,210 to 33,600 in-lb (250 to 3800 Nm)
- SAE J620 Flywheel sizes available from 6 through 18
- 3 coupling design types

T

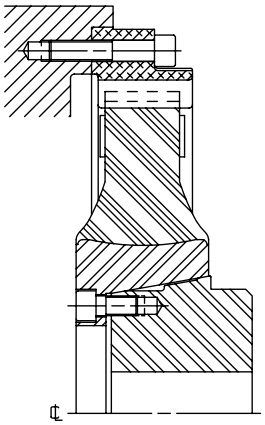
LM Torsional Coupling Design Types

Type SB

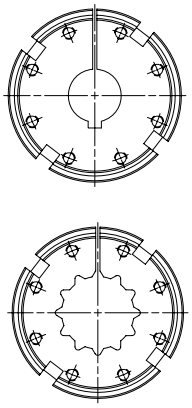
Sizes 240 to 2400

The driven inner hub consists of two pieces: the vulcanized steel ring and the inner tapered hub. These two parts are bolted together and the torque is transmitted by the friction force created by the axial bolts, drawing the tapered hub into the mating taper in the element.

This is a long tapered fit, but can easily disassembled if the coupling has to be removed. The vulcanized steel ring creates a very high inward pressure acting on the inner driven tapered hub. To utilize this pressure, the driven hub is slotted in an axial direction. This compresses the driven hub and driven shaft. This clamping effect can be used equally well on cylindrical shafts with keys or splined shafts.



Type SB



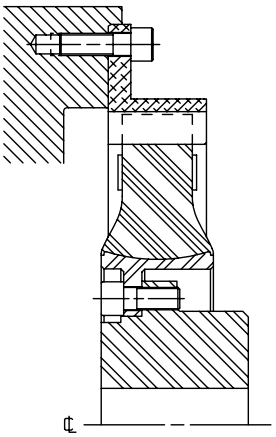
Tapered Locking Hubs

Type SC

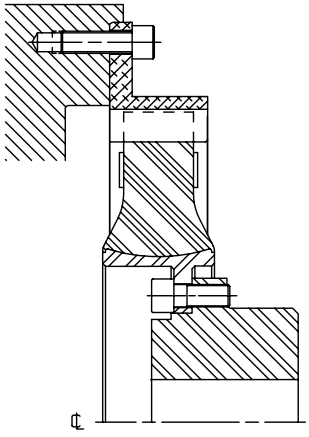
Sizes 2800 to 3500

An inner ring made of spheroidal cast iron is vulcanized into the elastomeric element. This flange is bolted to the inner tapered hub. Depending upon the arrangement of the elastomeric element, two different lengths are possible utilizing the same components.

Standard Configuration: **SCA**
Reversed Element: **SCB**
(extended mounting length)



Type SCA



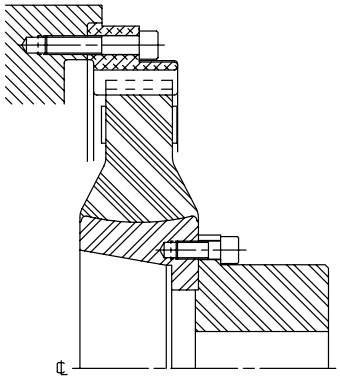
Type SCB

Types SBE and SCE

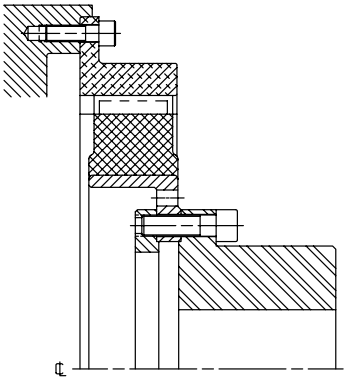
Special Radial Assembly / Disassembly Types

(Drop-Out Types) All Sizes

The elastomeric element can be changed quickly and easily without disturbing the coupling shaft, provided the flywheel housing does not protrude too much. These versions can be particularly advantageous on larger sizes, especially if the hub is interference fit.



Type SBE



Type SCE

Special Types

In addition to the standard types shown here, many special types have been developed. Please contact Lovejoy Technical Support for more information.

LM Series - SB, SCA and SCB (HTR) Performance Data

Size	Hardness (Durometer) Shore A scale	Nominal Torque Rating T_{KN} in-lb	Nominal Torque Rating T_{KN} Nm	Max Torque Rating T_{Kmax} in-lb	Max Torque Rating T_{Kmax} Nm	Continuous* Vibratory Torque T_{KW} in-lb	Continuous* Vibratory Torque T_{KW} Nm	Allowable Power Loss P_{KV} Watts	Dynamic** Torsional Stiffness C_{Tdyn} in-lb/rad	Dynamic** Torsional Stiffness C_{Tdyn} Nm/rad	Flange Size for J620 Flywheel	Max Speed N_{max} RPM	Mass Moment of Inertia Primary*** J_1 lb-in²	Mass Moment of Inertia Primary*** J_1 kg-m²	Mass Moment of Inertia Secondary J_2 lb-in²	Mass Moment of Inertia Secondary J_2 kg-m²
LM240	50	2,210	250	4,430	500	885	100	37	8,190	925	8	4,000	17.77	0.021	3.25	0.004
	60	2,660	300	5,310	600	1,060	120		12,400	1 400	10	3,600	26.74	0.031	3.25	0.004
	70	3,100	350	6,640	750	1,240	140		19,900	2 250	—	—	—	—	—	—
LM400	50	3,540	400	7,080	800	1,420	160	62	14,200	1 600	10	3,600	0.04	0.037	0.01	0.011
	60	4,430	500	8,850	1 000	1,770	200		22,100	2 500	11.5					
	70	4,870	550	9,740	1 100	1,950	220		35,400	4 000	14					
LM800	50	6,200	700	12,400	1 400	2,480	280	105	24,800	2 800	10	3,600	51.17	0.060	25.29	0.030
	60	7,520	850	15,000	1 700	3,000	340		37,200	4 200	11.5	3,500	62.53	0.073	25.29	0.030
	70	8,400	950	17,700	2 000	3,360	380		60,200	6 800	14	3,000	117.70	0.138	25.29	0.030
LM1200	50	8,850	1 000	17,700	2 000	3,540	400	150	39,800	4 500	11.5	3,500	65.61	0.077	38.95	0.046
	60	10,600	1 200	21,200	2 400	4,250	480		61,900	7 000	14	3,000	12.23	0.014	38.95	0.046
	70	11,500	1 300	26,600	3 000	4,600	520		104,000	11 700	—	—	—	—	—	—
LM1600	50	12,800	1 450	26,700	2 900	5,130	580	220	53,100	6 000	11.5	3,200	191.40	0.224	66.63	0.078
	60	15,900	1 800	31,900	3 600	6,370	720		79,600	9 000	14	3,000	168.30	0.020	66.63	0.078
											16	2,500	234.10	0.274	66.63	0.078
	70	17,700	2 000	35,400	4 000	7,080	800		133,000	15 000	18	2,300	329.30	0.386	66.63	0.078
LM2400	50	17,700	2 000	35,400	4 000	7,080	800	300	88,500	1 000	14	3,000	182.00	0.213	130.70	0.153
	60	22,100	2 500	44,300	5 000	8,850	1 000		133,000	15 000	16	2,500	247.70	0.290	130.70	0.153
	70	24,800	2 800	53,100	6 000	9,910	1 120		221,000	25 000	18	2,300	343.00	0.402	130.70	0.153
LM2800	50	24,800	2 800	53,100	6 000	9,910	1 120	360	221,000	25 000	14	3,000	242.30	0.284	192.80	0.226
	60	26,600	3 000	66,400	7 500	10,600	1 200		332,000	37 500	16	2,500	269.80	0.316	192.80	0.226
	70	28,300	3 200	70,800	8 000	11,300	1 280		558,000	63 000	18	2,300	364.90	0.427	192.80	0.226
LM3500	50	28,300	3 200	57,500	6 500	11,300	1 280	450	142,000	16 000	14	3,000	242.30	0.284	196.10	0.230
	60	31,000	3 500	70,800	8 000	12,400	1 400		212,000	24 000	16	2,500	374.90	0.439	196.10	0.230
	70	33,600	3 800	75,200	8 500	13,500	1 520		336,000	38 000	18	2,300	501.70	0.587	196.10	0.230

Notes:
- * indicates: At 10 Hz.
- ** indicates: Constant value for natural rubber.
- *** indicates: Flywheel side of the coupling.

Resonance Factor V_R
Relative Damping Factor Ψ

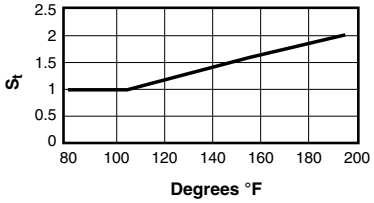
High Temperature Rubber (HTR)		
f in Hz	V_r	Ψ
35-40	12.0	0.52
50	6.0	1.05
60	5.7	1.10
70	5.5	1.15

Frequency Factor S_f

f in H_z	≤10	≥10
Sf	1	$\sqrt{f/10}$

Silicone Temperature Factor S_t

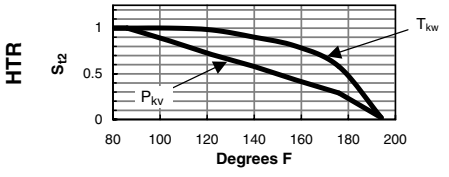
$T_{KN} \geq T_{LN} \bullet S_t$

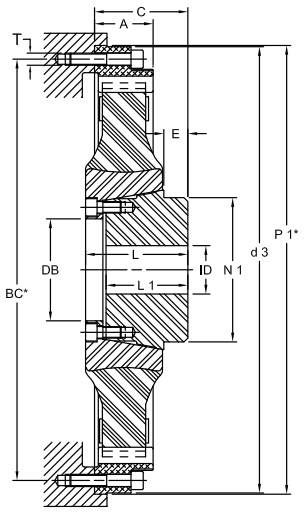


Temperature Factor S_{t2} for Cont. Vibr. Torque T_{kw} and Allowable Power Loss P_{kv}

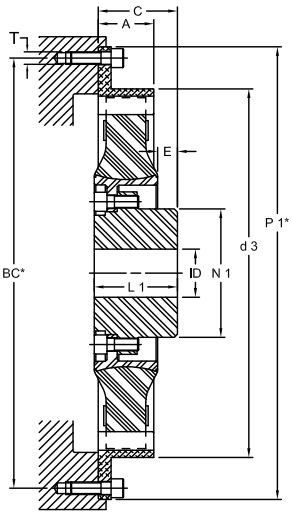
$P_v < P_{kv} * S_{t2}$

$T_w < T_{kw} * S_{t2} * (1/S_f)$

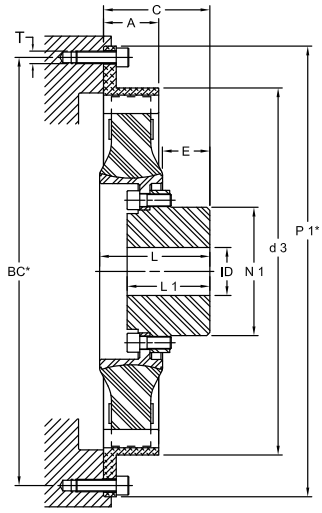




240 – 2400 SB



2800 – 3500 SCA



2800 – 3500 SCB

Note: ■ * indicates: SAE J620 Flywheel Dimensional Data can be found on page T-41.

LM Series - SB, SCA and SCB (HTR) Dimensional Data

Size		SAE J620	A		C**		ID Min Bore		ID Max Bore		d3		DB		E		L		L1		N1		Weight	
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
240 SB	Tapered	8	1.81	46	2.95 ± 0.35	75 ± 9	0.59	15	1.97	50	10.31	262	1.97	50	1.06	27	2.95	75	2.36	60	2.87	73	2.77	6.1
		10	1.81	46	2.95 ± 0.35	75 ± 9	0.59	15	1.97	50	8.86	225	1.97	50	1.06	27	2.95	75	2.36	60	2.87	73	2.95	6.5
400 SB		10	1.77	45	2.95 ± 0.28	75 ± 7	0.79	20	2.36	60	12.32	313	2.40	61	0.98	25	3.15	80	2.56	65	3.54	90	3.90	8.6
800 SB		10	1.97	50	3.22 ± 0.08	82 ± 2	0.79	20	2.76	70	12.44	316	2.80	71	0.71	18	3.31	84	2.60	66	4.21	107	5.03	11.1
		11.5	1.54	39	2.80 ± 0.12	71 ± 3	0.79	20	2.76	70	13.82	351	2.80	71	0.71	18	3.31	84	2.60	66	4.21	107	4.58	10.1
		14	1.81	46	2.91 ± 0.24	74 ± 6	0.79	20	2.76	70	12.52	318	2.80	71	0.71	18	3.31	84	2.60	66	4.21	107	5.22	11.5
1200 SB		11.5	1.54	39	2.56 ± 0.16	65 ± 4	0.79	20	2.76	70	13.82	351	2.80	71	0.71	18	3.31	84	2.60	66	4.21	107	6.58	14.5
		14	1.81	46	2.91 ± 0.24	74 ± 6	0.79	20	2.76	70	13.82	351	2.80	71	0.71	18	3.31	84	2.60	66	4.21	107	7.44	16.4
1600 SB		14	2.40	61	3.82 ± 0.43	97 ± 11	1.18	30	4.13	105	18.31	465	4.17	106	1.02	26	4.17	106	3.35	85	5.91	150	10.21	22.5
		16	2.40	61	3.82 ± 0.43	97 ± 11	1.18	30	4.13	105	16.42	417	4.17	106	1.02	26	4.17	106	3.35	85	5.91	150	10.80	23.8
		18	2.40	61	3.82 ± 0.43	97 ± 11	1.18	30	4.13	105	16.42	417	4.17	106	1.02	26	4.17	106	3.35	85	5.91	150	11.48	25.3
2400 SB		14	2.40	61	3.82 ± 0.24	97 ± 6	1.18	30	4.13	105	18.31	465	4.17	106	1.02	26	4.17	106	3.35	85	5.91	150	14.11	31.1
		16	2.40	61	3.82 ± 0.24	97 ± 6	1.18	30	4.13	105	16.42	417	4.17	106	1.02	26	4.17	106	3.35	85	5.91	150	14.70	32.4
		18	2.40	61	3.82 ± 0.24	97 ± 6	1.18	30	4.13	105	16.42	417	4.17	106	1.02	26	4.17	106	3.35	85	5.91	150	15.38	33.9
2800 SCA	Bolted	14	2.40	61	3.66 ± 0.16	93 ± 4	1.38	35	4.33	110	18.31	465	—	—	1.34	34	—	—	4.13	105	6.38	162	14.29	31.5
		16	2.40	61	3.66 ± 0.16	93 ± 4	1.38	35	4.33	110	16.42	417	—	—	1.34	34	—	—	4.13	105	6.38	162	14.88	32.8
		18	2.40	61	3.66 ± 0.16	93 ± 4	1.38	35	4.33	110	16.42	417	—	—	1.34	34	—	—	4.13	105	6.38	162	15.56	34.3
2800 SCB		14	2.40	61	5.31 ± 0.16	135 ± 4	1.38	35	4.33	110	18.31	465	—	—	2.99	76	5.16	131	4.13	105	6.38	162	14.29	31.5
		16	2.40	61	5.31 ± 0.16	135 ± 4	1.38	35	4.33	110	16.42	417	—	—	2.99	76	5.16	131	4.13	105	6.38	162	14.88	32.8
		18	2.40	61	5.31 ± 0.16	135 ± 4	1.38	35	4.33	110	16.42	417	—	—	2.99	76	4.96	126	4.13	105	6.38	162	15.56	34.3
3500 SCA		14	2.76	70	3.94 ± 0.31	100 ± 8	1.38	35	4.33	110	18.31	465	—	—	0.98	25	—	—	4.13	105	6.38	162	15.38	33.9
		16	2.76	70	3.94 ± 0.31	100 ± 8	1.38	35	4.33	110	18.31	465	—	—	0.98	25	—	—	4.13	105	6.38	162	16.60	36.6
		18	2.76	70	3.94 ± 0.31	100 ± 8	1.38	35	4.33	110	18.31	465	—	—	0.98	25	—	—	4.13	105	6.38	162	17.46	38.5
3500 SCB		14	2.76	70	5.31 ± 0.31	135 ± 8	0.24	6	4.33	110	18.31	465	—	—	2.36	60	5.51	140	4.13	105	6.38	162	15.38	33.9
		16	2.76	70	5.31 ± 0.31	135 ± 8	1.38	35	4.33	110	18.31	465	—	—	2.36	60	5.51	140	4.13	105	6.38	162	16.60	36.6
		18	2.76	70	5.31 ± 0.31	135 ± 8	1.38	35	4.33	110	18.31	465	—	—	2.36	60	5.51	140	4.13	105	6.38	162	17.46	38.5

Note: ■ ** indicates: At 10 Hz.

LM Series - SBE and SCE (HTR) Performance Data

Size	Hardness (Durometer) Shore A scale	Nominal Torque Rating T_{KN} in-lb	Nm	Max Torque Rating T_{Kmax} in-lb	Nm	Continuous* Vibratory Torque T_{KW} in-lb	Nm	Allowable Power Loss P_{KV} Watts	Dynamic** Torsional Stiffness C_{Tdyn} in-lb/rad	Nm/rad	Flange Size for J620 Flywheel	Max Speed N_{max} RPM	Mass Moment of Inertia Primary*** J_1 lb-in²	kg-m²	Secondary J_2 lb-in²	kg-m²
LM240	50	2,210	250	4,430	500	885	100	37	8,190	925	8	4,000	17.77	0.021	3.25	0.004
	60	2,660	300	5,310	600	1,060	120		12,400	1 400	10	3,600	26.74	0.031	3.25	0.004
	70	3,100	350	6,640	750	1,240	140		19,900	2 250	—	—	—	—	—	—
LM400	50	3,540	400	7,080	800	1,420	160	62	14,200	1 600	10	3,600	0.04	0.037	0.01	0.011
	60	4,430	500	8,850	1 000	1,770	200		22,100	2 500	11.5					
	70	4,870	550	9,740	1 100	1,950	220		35,400	4 000	14					
LM800	50	6,200	700	12,400	1 400	2,480	280	105	24,800	2 800	10	3,600	51.17	0.060	25.29	0.030
	60	7,520	850	15,000	1 700	3,000	340		37,200	4 200	11.5	3,500	62.53	0.073	25.29	0.030
	70	8,400	950	17,700	2 000	3,360	380		60,200	6 800	14	3,000	117.70	0.138	25.29	0.030
LM1200	50	8,850	1 000	17,700	2 000	3,540	400	150	39,800	4 500	11.5	3,500	65.61	0.077	38.95	0.046
	60	10,600	1 200	21,200	2 400	4,250	480		61,900	7 000	14	3,000	12.23	0.014	38.95	0.046
	70	11,500	1 300	26,600	3 000	4,600	520		104,000	11 700	—	—	—	—	—	—
LM1600	50	12,800	1 450	26,700	2 900	5,130	580	220	53,100	6 000	11.5	3,200	191.40	0.224	66.63	0.078
	60	15,900	1 800	31,900	3 600	6,370	720		79,600	9 000	14	3,000	168.30	0.020	66.63	0.078
											16	2,500	234.10	0.274	66.63	0.078
	70	17,700	2 000	35,400	4 000	7,080	800		133,000	15 000	18	2,300	329.30	0.386	66.63	0.078
LM2400	50	17,700	2 000	35,400	4 000	7,080	800	300	88,500	1 000	14	3,000	182.00	0.213	130.70	0.153
	60	22,100	2 500	44,300	5 000	8,850	1 000		133,000	15 000	16	2,500	247.70	0.290	130.70	0.153
	70	24,800	2 800	53,100	6 000	9,910	1 120		221,000	25 000	18	2,300	343.00	0.402	130.70	0.153
LM2800	50	24,800	2 800	53,100	6 000	9,910	1 120	360	221,000	25 000	14	3,000	242.30	0.284	192.80	0.226
	60	26,600	3 000	66,400	7 500	10,600	1 200		332,000	37 500	16	2,500	269.80	0.316	192.80	0.226
	70	28,300	3 200	70,800	8 000	11,300	1 280		558,000	63 000	18	2,300	364.90	0.427	192.80	0.226
LM3500	50	28,300	3 200	57,500	6 500	11,300	1 280	450	142,000	16 000	14	3,000	242.30	0.284	196.10	0.230
	60	31,000	3 500	70,800	8 000	12,400	1 400		212,000	24 000	16	2,500	374.90	0.439	196.10	0.230
	70	33,600	3 800	75,200	8 500	13,500	1 520		336,000	38 000	18	2,300	501.70	0.587	196.10	0.230

Notes:
- * indicates: At 10 Hz.
- ** indicates: Constant value for natural rubber.
- *** indicates: Flywheel side of the coupling.

Resonance Factor V_R
Relative Damping Factor Ψ

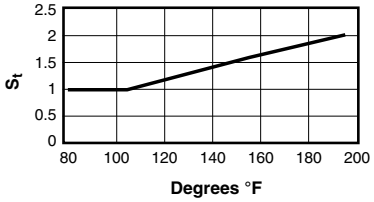
High Temperature Rubber (HTR)		
f in Hz	V_r	Ψ
35-40	12.0	0.52
50	6.0	1.05
60	5.7	1.10
70	5.5	1.15

Frequency Factor S_f

f in H_z	≤10	≥10
Sf	1	$\sqrt{f/10}$

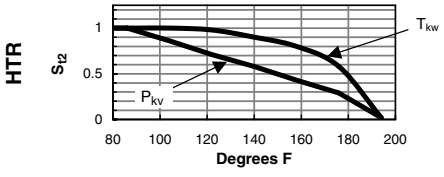
Silicone Temperature Factor S_t

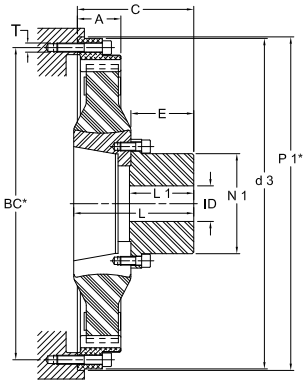
$T_{KN} \geq T_{LN} \bullet S_t$



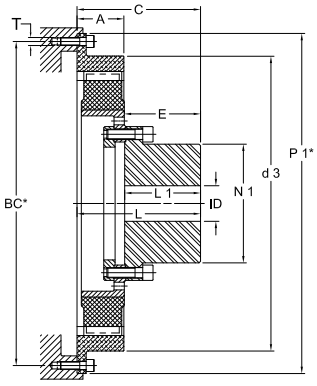
Temperature Factor S_{t2} for Cont. Vibr. Torque T_{kw} and Allowable Power Loss P_{kv}

$P_v < P_{kv} * S_{t2}$
$T_w < T_{kw} * S_{t2} * (1/S_f)$

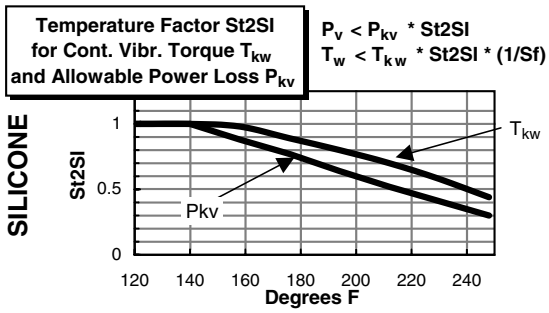




2800 - 3500 SBE



2800 - 3500 SCE



Note: ■ * indicates: SAE J620 Flywheel Dimensional Data can be found on page T-41.

LM Series - SBE and SCE (HTR) Radial Dimensional Data

Size	SAE J620	A in	A mm	C** in			C** mm			ID Min Bore in	ID Min Bore mm	ID Max Bore in	ID Max Bore mm	d3 in	d3 mm	E in	E mm	L in	L mm	L1 in	L1 mm	N1 in	N1 mm	Weight lb	Weight kg
240 SBE	8	1.81	46	4.45	±	0.08	113	±	2	0.59	15	1.77	45	10.31	262	2.28	58	4.17	106	2.36	60	2.60	66	2.18	4.8
	10	1.81	46	4.45	±	0.08	113	±	2	0.59	15	1.77	45	8.86	225	2.28	58	4.17	106	2.36	60	2.60	66	2.36	5.2
400 SBE	10	1.77	45	4.61	±	0.08	117	±	2	0.79	20	2.17	55	12.32	313	2.48	63	4.65	118	2.56	65	3.35	85	3.45	7.6
800 SBE	11.5	1.54	39	4.61	±	0.08	117	±	2	0.79	20	2.56	65	13.82	351	2.52	64	5.12	130	2.60	66	3.94	100	5.03	11.1
	14	1.81	46	4.69	±	0.08	119	±	2	0.79	20	2.56	65	12.52	318	2.52	64	5.12	130	2.60	66	3.94	100	6.35	14.0
1200 SBE	11.5	1.54	39	4.45	±	0.08	113	±	2	0.79	20	2.56	65	13.82	351	2.52	64	5.12	130	2.60	66	3.94	100	6.89	15.2
	14	1.81	46	4.72	±	0.08	120	±	2	0.79	20	2.56	65	13.82	351	2.52	64	5.12	130	2.60	66	3.94	100	8.30	18.3
1600 SBE	14	2.40	61	6.61	±	0.08	168	±	2	1.18	30	3.94	100	18.31	465	3.46	88	6.61	168	3.54	90	5.51	140	11.43	25.2
	16	2.40	61	6.61	±	0.08	168	±	2	1.18	30	3.94	100	16.42	417	3.46	88	6.61	168	3.54	90	5.51	140	12.02	26.5
	18	2.40	61	6.61	±	0.08	168	±	2	1.18	30	3.94	100	16.42	417	3.46	88	6.61	168	3.54	90	5.51	140	12.70	28.0
2400 SBE	14	2.40	61	6.42	±	0.08	163	±	2	1.18	30	3.94	100	18.31	465	3.46	88	6.61	168	3.54	90	5.51	140	14.83	32.7
	16	2.40	61	6.42	±	0.08	163	±	2	1.18	30	3.94	100	16.42	417	3.46	88	6.61	168	3.54	90	5.51	140	15.42	34.0
	18	2.40	61	6.42	±	0.08	163	±	2	1.18	30	3.94	100	16.42	417	3.46	88	6.61	168	3.54	90	5.51	140	16.10	35.5
2800 SCE	14	2.40	61	6.46	±	0.08	164	±	2	1.38	35	4.13	105	18.31	465	4.06	103	6.22	158	4.13	105	6.06	154	14.65	32.3
	16	2.40	61	6.46	±	0.08	164	±	2	1.38	35	4.13	105	16.42	417	4.06	103	6.22	158	4.13	105	6.06	154	15.24	33.6
	18	2.40	61	6.46	±	0.08	164	±	2	1.38	35	4.13	105	16.42	417	4.06	103	6.22	158	4.13	105	6.06	154	15.92	35.1
3500 SCE	14	2.76	70	7.28	±	0.08	185	±	2	0.24	6	4.13	105	18.31	465	4.06	103	7.20	183	4.13	105	6.06	154	16.92	37.3
	16	2.76	70	7.28	±	0.08	185	±	2	1.38	35	4.13	105	18.31	465	4.06	103	7.20	183	4.13	105	6.06	154	18.14	40.0
	18	2.76	70	7.28	±	0.08	185	±	2	1.38	35	4.13	105	18.31	465	4.06	103	7.20	126	4.13	105	6.06	154	19.01	41.9

Note: ■ ** indicates: The rubber element can be positioned closer to or farther from the flywheel within the limits shown for this dimension, while maintaining full engagement with the outer drive ring. Hub length L1 is adjustable as well with corresponding changes to mounting length dimension C.

LM Series - Silicone (50 shore A) Performance Data

Size	Nominal Torque Rating T_{KN} in-lb	Nominal Torque Rating T_{KN} Nm	*Max Torque1 T_{Kmax1} in-lb	*Max Torque1 T_{Kmax1} Nm	**Max Torque2 T_{Kmax2} in-lb	**Max Torque2 T_{Kmax2} Nm	Continuous Vibratory Torque T_{KW} in-lb	Continuous Vibratory Torque T_{KW} Nm	Allowable Power Loss P_{KV} HP	Allowable Power Loss P_{KV} Watts	Dynamic Torsional Stiffness*** C_{Tdyn} 10% T_{KN} in-lb/rad	10% T_{KN} Nm/rad	25% T_{KN} in-lb/rad	25% T_{KN} Nm/rad	50% T_{KN} in-lb/rad	50% T_{KN} Nm/rad	75% T_{KN} in-lb/rad	75% T_{KN} Nm/rad	100% T_{KN} in-lb/rad	100% T_{KN} Nm/rad	Relative Damping Ψ
LM800	6,200	700	9,290	1 050	12,400	1 400	2,480	280	0.14	105	19,500	2 200	21,200	2 400	24,800	2 800	31,000	3 500	40,700	4 600	1.15
LM1200	8,850	1 000	13,300	1 500	17,700	2 000	3,540	400	0.20	150	31,900	3 600	34,500	3 900	39,800	4 500	49,600	5 600	65,500	7 400	
LM1600	12,800	1 450	19,500	2 200	25,700	2 900	5,100	580	0.30	220	42,500	4 800	46,000	5 200	53,100	6 000	66,400	7 500	87,600	9 900	
LM2400	17,700	2 000	26,600	3 000	35,400	4 000	7,080	800	0.40	300	70,800	8 000	77,000	8 700	88,500	10 000	111,000	12 500	146,000	16 500	
LM2800	24,800	2 800	37,200	4 200	49,600	5 600	9,910	1 120	0.48	360	186,000	21 000	20,400	2 300	221,000	25 000	288,000	32 500	376,000	42 500	
LM3500	28,300	3 200	42,500	4 800	56,600	6 400	11,300	1 280	0.60	450	113,000	12 800	123,000	13 900	142,000	16 000	177,000	20 000	235,000	26 500	

Notes: ■ * indicates: T_{max1} is the maximum accelerating value for transient torque spikes during the normal work cycle, for example, form accelerating through a resonance during starting and stopping or clutching.

■ ** indicates: T_{max2} represents the absolute maximum peak torque allowable during rare occasions such as during a short circuit of a gen-set or incorrect synchronization.

■ *** indicates: The silicone material creates a progressive stiffness characteristic dependent on load. These values have the tolerance of ± 15%.