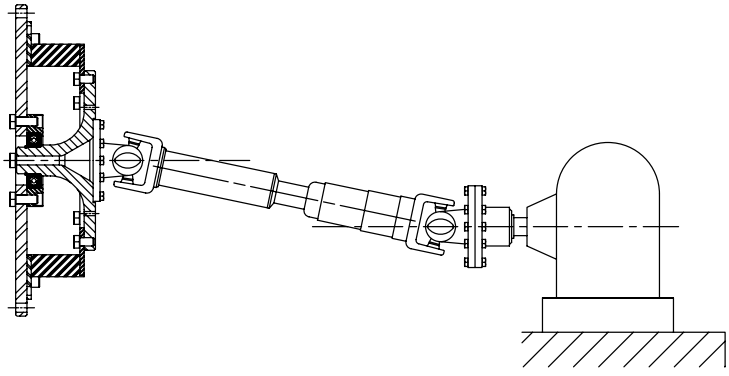
LV Series

The LV Series coupling is designed and built for diesel engine driven equipment such as agricultural and offroad equipment using universal joint drive shafts. The LV Series is ideal for universal joint driven equipment applications as well as other arrangements. The LV Series couplings are highly torsionally compliant, allowing the engine to drive a large inertia load safely away from damaging torsional resonance and critical speeds. The coupling selection should be verified with a Torsional Vibration Analysis of the system (see page T-10).

Element Features:

- 50 & 60 Durometer (Shore A scale) available
- - 40° to 194° F temperature range
- Available in SAE J620 6.5 through 14 flywheel sizes and varies in metric sizes
- Blind assembly, no lubrication
- Material available in HTR and EPDM



Optional Hub Features:

- LVC Style hub available for straight and spline bores upon request
- Splined hubs available with L-LOC clamping system

Typical Applications

LVC style is excellent for adapting the LV coupling to applications with generators, reciprocation pumps and compressors, screw compressors, and other equipment driven directly off an SAE flywheel.

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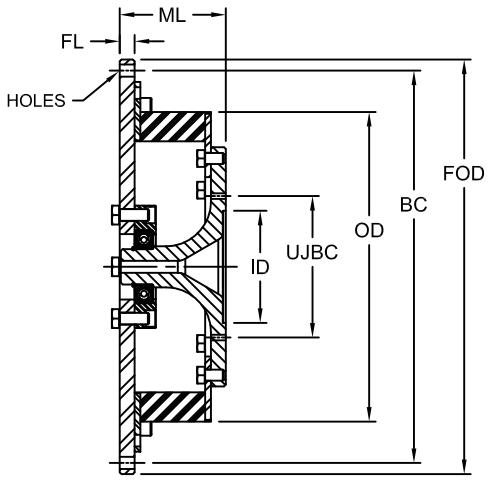
LV Series Performance Data

Size	SAE Flywheel Size	Hardness Shore A scale	Power at 2000 RPM HP	Power at 2000 RPM kW	Nominal Torque T_{KN} in-lbs	Nominal Torque T_{KN} Nm	Maximum Torque T_{Kmax} in-lb	Maximum Torque T_{Kmax} Nm	Continuous Vibratory Torque T_W in-lb	Continuous Vibratory Torque T_W Nm	Dynamic Torsional Stiffness C_{Tdyn} in-lb/rad	Dynamic Torsional Stiffness C_{Tdyn} Nm/rad
LV200	10, 11.5, 14	50	177	132	5,578	630	16,815	1 900	1,395	158	726	82
		60										
LV250	10, 11.5, 14	50	238	178	7,500	847	21,596	2 440	1,875	212	871	98
		60										
LV350	10, 11.5, 14	50	343	256	10,820	1 223	31,860	3 600	2,705	306	1,417	160
		60										



LV Series - SAE J620 Flywheel Application Dimensional Data

	Flange Dimensions									U-Joint Adapter Plate								
	SAE Flywheel Size	FOD		BC		Number / Dia of Holes		FL Flange Thickness		ML Mounting Length		U-Joint Adapter Model	UJBC Bolt Circle Dia		Number of Holes	Thread Size	ID Pilot ID 0.100 Inch	Pilot Depth 2.54 mm
Size		in	mm	in	mm	in	mm	in	mm	in	mm	Number	in	mm		UNF	in	mm
LV200	10	12.375	314.3	11.625	295.3	8 x 0.41	8 x 10.5	0.50	12.7	3.55	90.2	—	—	—	—	—	—	—
	11.5	13.875	352.4	13.125	333.4	8 x 0.41	8 x 10.5					31	3.125	79.4	4	3/8-24 UNF 2B	2.375	60.4
	14	18.375	466.7	17.250	438.2	8 x 0.50	8 x 12.7					35/41	3.750	95.3	4	7/16-20 UNF 2B	2.750	69.9
LV250	10	12.375	314.3	11.625	295.3	8 x 0.41	8 x 10.5	0.50	12.7	3.55	90.2	35/41	3.750	95.3	4	7/16-20 UNF 2B	2.750	69.9
	11.5	13.875	352.4	13.125	333.4	8 x 0.41	8 x 10.5					48/55	4.750	120.7	4	1/2-20 UNF 2B	3.750	95.3
	14	18.375	466.7	17.250	438.2	8 x 0.50	8 x 12.7					61	6.125	155.6	8	3/8-24 UNF 2B	6.625	168.3
LV350	10	12.375	314.3	11.625	295.3	8 x 0.41	8 x 10.5	0.50	12.7	3.55	90.2	61	6.125	155.6	8	3/8-24 UNF 2B	6.625	168.3
	11.5	13.875	352.4	13.125	333.4	8 x 0.41	8 x 10.5					71	7.250	184.2	8	3/8-24 UNF 2B	7.750	196.9
	14	18.375	466.7	17.250	438.2	8 x 0.50	8 x 12.7					—	—	—	—	—	—	—