



Lovejoy, Inc.

2655 Wisconsin Avenue

Downers Grove, IL 60515

Phone: 630-852-0500 • **Fax:** 630-852-2120

Email: info@lovejoy-inc.com

Website: www.lovejoy-inc.com

Item Number 68514411075, L Type Spiders - Open Center

The L Type coupling consists of two standard L Type hubs and one spider.



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Specifications

Description	L/AL090/095 SPIDER URE OCT7/8
Coupling Type	Jaw
Material	Urethane
Insert Style	Open Center
Color	Blue
Type	Elastomeric Insert
Weight	0.04 lb

Dimensional Data

Coupling Size	L090, L095, AL090, AL095
Dimension A	2.120 in 53.85 mm
Dimension B	0.360 in 9.14 mm
Dimension H	0.880 in 22.35 mm
Dimension W	0.44 in 11.18 mm
Cubic inches	1.97754 in ³

Performance Data

Normal Temperature Range	-30 to 160 °F -34 to 71 °C
Nominal Torque	216 to 291 in·lb 24.4 to 32.9 N·m
Angular Misalignment	1.00 °
Parallel Misalignment	0.0150 in
Shore Hardness	55D, L050 - L110, 90 - 95A, L150 - L228
Damping Capacity	Low
Chemical Resistance	Very Good

Spider Performance

Spider Performance	Urethane has greater torque capability than NBR (1.5 times), provides less dampening effect, and operates at a temperature range of -30° to 160° F (-34° to 71° C). Good
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resistance to oil and chemicals. Not recommended for cyclic or start/stop applications.

Elastomers in Compression

Lovejoy offers four types of elastomer designs to allow for additional flexibility in addressing specific application requirements. One piece designs are used in the “L” and “AL” models (referred to as spiders) and multiple part “load cushions” are used in the “C” and “H” model couplings. The load cushions are in sets of 6 to 14 pieces depending on coupling size.

Solid Center Spider

- The solid center design is commonly used design when shafts of the driver and driven equipment can be kept separate by a standard gap

Open Center Spider

- The open center design allows for the shafts of the driver and driven to be positioned within a short distance
- Open center spiders offer shaft positioning flexibility but have a lower RPM capacity (1,750 RPM maximum for NBR, 3,600 maximum for Urethane/Hytrel®)

Elastomers in Compression

Cushions

- Used exclusively for the C and H Type couplings
- Load cushions are held in place radially by a steel collar which is attached to one of the hubs

Snap Wrap Flexible Spider

- Design allows for easy removal of the spider without moving the hubs
- Allows for close shaft separation all the way up to the hubs maximum bore
- Maximum RPM is 1,750 RPM with the retaining ring, but if used with the LC Type (with collar) the normal RPM rating of the coupling applies
- Style is available in NBR and Urethane only, and in limited sizes

