JAW TYPE 'L', 'AL', & 'SS' COUPLING

'L' TYPE

The Jaw Type couplings from Lovejoy are offered in the industry's largest variety of stock bore/keyway combinations. These couplings require no lubrication and provide highly reliable service for light, medium and heavy duty electrical motor and internal combustion power transmission applications.
Other features and benefits include:

Fail-safe - will still perform if elastomer fails.

No metal to metal contact.

Resistant to oil, dirt, sand, moisture and grease.

'AL' TYPE

The aluminium construction means this coupling is light weight with low overhung load and low inertia. The AL type also offers excellent resistance to atmospheric conditions, so it is good for corrosive environment applications.

'SS' TYPE

The stainless steel hubs available for applications needing maximum protection against harsh environmental conditions. #303 and #304 grade

PERFORMANCE DATA

Part No.	Max Bore	Power at 100 RPM	Nominal Torque (Nm)				Normal Maximum Speed (Sox)
		kW	Sox	Urethane	Hytrel	Bronze	(RPM)
L035	9.5	0.004	0.4	-	-	-	31000
L/AL050	15.9	0.031	3.0	4.5	5.6	5.6	18000
L/AL070	19.1	0.051	4.9	7.3	12.9	12.9	14000
L/AL/SS075	22.2	0.107	10.2	15.3	25.6	25.6	11000
L/AL/SS095	28.6	0.229	21.9	32.9	63.4	63.4	9000
L/AL/SS100	35.0	0.493	47.1	70.7	128.0	128.0	7000
L/AL/SS110	42.0	0.937	89.5	134.0	256.0	256.0	5000
L/SS150	48.0	1.466	140.0	210.0	419.0	419.0	5000
AL150	48.0	1.715	163.8	-	-	-	5000
L190	55.0	2.042	195.0	293.0	529.0	529.0	5000
L225	66.7	2.764	264.0	397.0	704.0	704.0	4200
L276	73.0	5.581	533.0	-	-	-	1800

Power at 100 RPM based on Sox only.

ELEMENTS

SOX - (NBR) Rubber - Nitrile Butadiene (Buna N) Rubber is a flexible elastomer material that resembles natural rubber in resilience and elasticity and operates effectively in temperature range of -40°C to +100°C. Good resistance to oil. Standard elastomer.

SNAP WRAP - This element is made of the same material as the SOX, but it allows for the element to be installed or removed without disturbing the coupling hubs. It allows for close shaft separations all the way out to the hubs maximum bore. Maximum speed is 1750 RPM with retaining ring only. Speeds up to 3600RPM permitted with collar and screws.

URETHANE - Urethane has greater torque capability than NBR (1.5 times), provides less dampening effect, and operates at a temperature range of -34°C to +71°C. Good resistance to oil and chemicals.

HYTREL - Hytrel is a flexible elestomer designed for high torque and high temperature operations. Hytrel can operate in temperatures of -51°C to +121°C and has an excellent resistance to oil and chemicals. Not recommended for cyclic or stop start applications.

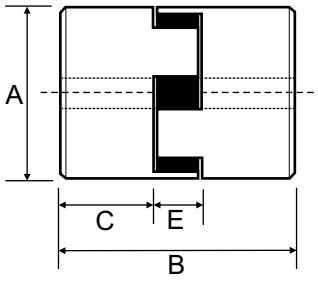
BRONZE - Bronze is a rigid, porous oil-impregnated metal insert exclusively for slow speed (maximum 250 RPM) applications requiring high torque capabilities. Bronze operations are not affected by extreme temperatures, water, oil or dirt. Can operate in temperatures of -40°C to +232°C

Lovejoy

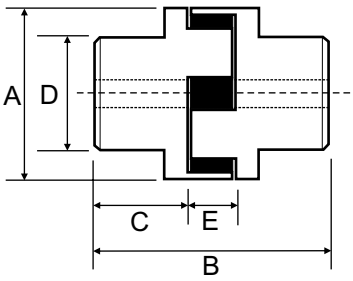
JAW TYPE 'L' & 'AL' COUPLING

DIMENSIONAL DATA

Style 1



Style 2



Part No.	Style No.	Bore Min	Bore Max	A	B	C	D	E
L035	1	3.2	9.5	16.0	20.6	6.9	-	7.1
L050	1	6.4	15.9	27.4	43.4	15.7	-	12.2
L070	1	6.4	19.1	34.5	50.3	19.1	-	12.2
L075*	1	6.4	22.2	44.5	54.1	20.8	-	12.7
L095*	1	11.1	28.6	53.6	63.8	25.4	-	13.2
L100*	1	11.1	35.0	64.5	88.4	35.1	-	18.0
L110*	1	15.9	42.0	84.3	107.2	42.7	-	22.4
L150*	1	15.9	48.0	95.3	114.3	44.5	-	25.4
L190	2	19.1	55.0	114.3	123.4	49.3	101.6	25.4
L225	2	19.1	66.7	127.0	135.6	55.4	108.0	25.4
L276	2	22.2	71.9	157.0	198.6	79.2	127.0	40.1

*Available in SS-Type
Coupling hubs are available off the shelf in a large number of metric and inch bore sizes.

Part No.	Style No.	Bore Min	Bore Max	A	B	C	D	E
AL050	1	6.4	15.9	27.4	43.4	15.7	-	12.2
AL070	1	6.4	19.1	34.5	50.8	19.1	-	12.7
AL075	2	6.4	22.2	44.5	53.8	20.6	38.9	12.7
AL095	1	12.7	28.6	53.8	63.5	25.4	-	12.7
AL100	2	12.7	35.0	64.3	88.9	34.8	61.2	19.1
AL110	1	15.9	42.0	84.1	108.0	42.9	-	22.1
AL150*	2	15.9	48.0	108.0	114.3	44.5	81.0	25.4

*AL150 uses eight legged spider