FLUIDCO HYDRAULIC SYSTEMS

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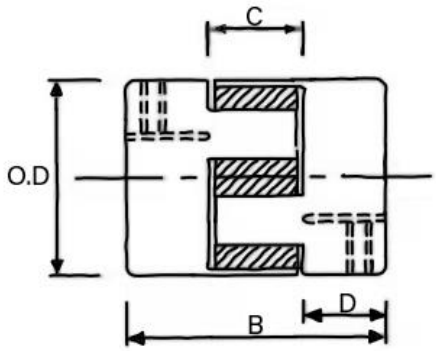
Additional Data/Spec Sheet

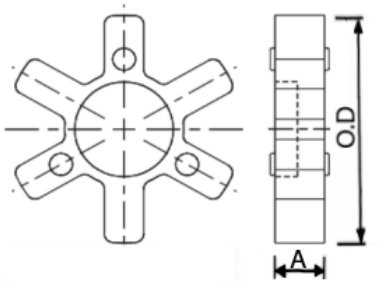
JAW Couplings | L Series | Complete Couplings Including Element (Spider) | Cast Iron Coupling

JAW L Series | Complete Drive Coupling | Type 1	DIMENSIONS mm									
Fluidco Part nr	OD	B	C	D	Bore Metric Min	Bore Metric Max	Bore Inch Min	Bore Inch Max	Torque Nm	Stock Bore
DC-LO075	45	54.40	12.40	21	9	25	3/16″	3/4"	8.54	6
DC-LO095	54	61	13	24	9	28	3/8″	1 1/8″	19.9	11
DC-LO100	66	88	18	36	12	35	7/16″	1 3/8″	42.7	11
DC-LO110	85	110	22	44	15	48	1/2"	1 7/8″	78.3	16



JAW L Series | Complete Drive Coupling | Type 1	POWER RATING (KW)				
SIZE	100 RPM	720 RPM	1440 RPM	2880 RPM	3600 RPM
Fluidco Part Nr	KW	KW	KW	KW	KW
DC-LO075	0.090	0.645	1.29	2.58	3.22
DC-LO095	0.210	1.500	3.01	6.02	7.52
DC-LO100	0.450	3.220	6.45	12.90	16.11
DC-LO110	0.820	5.900	11.82	23.60	29.54

JAW L Series | Replacement Spider / Element Only	DIMENSIONS mm					
Fluidco Part nr	OD	A	Replacement Spider for	Model	Type	Material
DC-LO075-S	45	12.40	DC-LO075	L075	1	NBR
DC-LO095-S	54	13	DC-LO095	L095	1	NBR
DC-LO100-S	66	18	DC-LO100	L100	1	NBR
DC-LO110-S	85	22	DC-LO110	L110	1	NBR



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A coupling can be simply defined as “a device that transmits power (torque) from one shaft to another, while allowing some degree of misalignment (angular, parallel or combined) between the two rotating shafts”. Some couplings however, allow for axial (end-float) movement. Also, couplings may be classified as flexible or rigid.

Couplings are used to mechanically connect two shafts to transmit power from one shaft to another. They are also able to compensate for shaft misalignment in a torsionally rigid way.

Misalignment can be angular, parallel or skew. This is particularly important for applications where misalignment could affect the speed and acceleration of the driven shaft. The performance of the coupling depends on how it is installed and maintained.

The Jaw Coupling is highly resilient, it does not require any lubrication and can work in environments contaminated with oil, dirt, sand, moisture and grease. The rubber insert is designed to absorb shock loading and does not allow for any metal contact. The Jaw coupling hubs are precision-machined for smooth contact surfaces, easy alignment and optimal balance. The modular hub design supports cross model compatibility, offering flexibility and cost efficiency. Suitable for a wide range of industrial applications.

Spiders

The L type jaw coupling closed center elements, also called spiders, are elastomers designed to transmit torque and accommodate misalignments in various industrial applications. These elements operate in compression and come in different designs to meet specific application needs.

Nitrile Butadiene Rubber (NBR)

The NBR, the standard acts like natural rubber in resilience and elasticity.

- Oil-resistant
- Highly flexible
- Operating temperature -40° to 100° C (-40° to 212° F).