

Jaw Type Couplings—USA Standard Elastomer-in-Compression

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.
- More than 850,000 combinations of bore sizes.
- Most types available from stock in 24 hours.

Applications include power transmission to industrial equipment such as pumps, gear boxes, compressors, blowers, mixers, and conveyors. Lovejoy's Jaw Type couplings are available in 24 sizes from a minimum torque rating of 3.5 in-lbs to a maximum torque rating of 170,004 in-lbs and a bore range of .125 inches to 7 inches. Lovejoy's standard bore program covers AGMA, SAE, and DIN bore/keyway and spline bore combinations.

The Lovejoy Jaw Type coupling is available in a variety of metal hub and insert materials. Hubs are offered in sintered metal, aluminum, bronze, steel, stainless steel, and ductile iron.

L Type

This coupling offers standard shaft-to-shaft connection for general industrial duty applications. Standard L type coupling hub materials are either sintered iron (L035 - L150) or cast iron (L190 - L276).

LC Type

This is the basic L coupling, except the insert is a snap wrap elastomer with retaining collar. Designed for easy elastomer replacement without disturbing the hubs, this coupling type is suited for applications over 1750 RPM.

AL Type

The aluminum 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 perfect for corrosive environment applications.

RRS Type

The center "drop out" section of this coupling provides proper shaft separation while also allowing easy elastomer installation without disturbing the hubs or requiring realignment of shafts. Designed for the pump industry, it accommodates American and European industry standard pump/motor shaft separations. The drop out spacer is made of glass reinforced plastic, cast iron or aluminum.

SW Type

This coupling is the standard L Type with a snap wrap elastomer with retaining ring. It is well suited for standard shaft-to-shaft connection in general industrial purpose applications under 1750 RPM.

C & H Types

These couplings provide standard shaft-to-shaft connection for medium (C) and heavy (H) duty range applications. The standard C coupling hub is made of cast iron, while the H is constructed of ductile iron.



L COUPLING



LC COUPLING



AL COUPLING



RRS COUPLING



SW COUPLING



C & H COUPLINGS

The new Jaw In-Shear coupling is presented in the next section of this catalog, labeled "JIS" on the page tabs

Spider Performance Data

Chart 2

Characteristics	Temperature Range	Misalignment		Shore Hardness ¹	Dampening Capacity	Chemical Resistance ²	Color
		Angular Degree	Parallel Inch				
SOX (NBR) Rubber—Nitrile Butadiene (Buna N) Rubber is a flexible elastomer material that is oil resistant, resembles natural rubber in resilience and elasticity and operates effectively in temperature range of -40 to +212°F (-40 to +100°C). Good resistance to oil. Standard elastomer. (Also applies to SXB Cushions.)	-40° to +212° F -40° to +100° C	1°	.015	80A	HIGH	GOOD	BLACK
URETHANE—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 resistance to oil and chemicals. Not recommended for cyclic or start/stop applications.	-30° to +160° F -34° to +71° C	1°	.015	55D L050-L110 90-95A L150-L225	LOW	VERY GOOD	BLUE
HYTREL—Hytrel is a flexible elastomer designed for high torque and high temperature operations. Hytrel can operate in temperatures of -60F to +250°F (-51 to +121°C) and has an excellent resistance to oil and chemicals. Not recommended for cyclic or start/stop applications.	-60° to +250° F -51° to 121° C	1/2°	.015	55D	LOW	EXCELLENT	TAN
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.	-40° to +450° F -40° to +232° C	1/2°	.010	.....	NONE	EXCELLENT	BRONZE

Notes: 1. NBR standard shore hardness is 80A ±5A—Except L035=60A. Other softer or harder designs are available in NBR material; consult Lovejoy.
2. Chemical Resistance chart shown in Engineering Data section.

Coupling Nominal Rated Torque

Chart 3

Size	Maximum Bore		Spider Material							
	Inch	mm	SOX(NBR) Torque		Urethane Torque		Hytrel Torque		Bronze Torque	
			in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm
L035	.375	9	3.5	0.4	N/A	N/A	N/A	N/A	N/A	N/A
L/AL050	.625	16	26.3	3.0	39	4.5	50	5.6	50	5.6
L/AL070	.750	19	43.2	4.9	65	7.3	114	12.9	114	12.9
L/AL075	.875	22	90.0	10.2	135	15.3	227	25.6	227	25.6
L/AL090	1.000	25	144.0	16.3	216	24.4	401	45.3	401	45.3
L/AL095	1.125	28	194.0	21.9	291	32.9	561	63.4	561	63.4
L/AL099	1.188	30	318.0	35.9	477	53.9	792	89.5	792	89.5
L/AL100	1.375	35	417.0	47.1	626	70.7	1134	128.0	1134	128.0
L/AL110	1.625	42	792.0	89.5	1188	134.0	2268	256.0	2268	256.0
L150	1.875	48	1240.0	140.0	1860	210.0	3708	419.0	3706	419.0
AL150	1.875	48	1450.0	163.8	N/A	N/A	N/A	N/A	N/A	N/A
L190	2.125	55	1728.0	195.0	2592	293.0	4680	529.0	4680	529.0
L225	2.625	65	2340.0	264.0	3510	397.0	6228	704.0	6228	704.0
L276	2.875	73	4716.0	533.0	N/A	N/A	N/A	N/A	12500	1412.0
C226	2.500	64	2988.0	338.0	N/A	N/A	5940	671.0	5940	671.0
C276	2.875	73	4716.0	533.0	N/A	N/A	9432	1066.0	N/A	N/A
C280	3.000	76	7560.0	854.0	N/A	N/A	13866	1567.0	N/A	N/A
C285	4.000	102	9182.0	1038.0	N/A	N/A	16680	1882.0	N/A	N/A
C295	3.500	89	11340.0	1281.0	N/A	N/A	22680	2563.0	22680	2563.0
C2955	4.000	102	18900.0	2136.0	N/A	N/A	37800	4271.0	37800	4271.0
H3067	4.500	114	33395.0	3774.0	N/A	N/A	47196	5333.0	47196	5333.0
H3567	5.000	127	46632.0	5269.0	N/A	N/A	63000	7119.0	63000	7119.0
H3667	5.629	143	64812.0	7323.0	N/A	N/A	88200	9966.0	88200	9966.0
H4067	6.250	159	88224.0	9969.0	N/A	N/A	126000	14237.0	126000	14237.0
H4567	7.000	178	119700.0	13525.0	N/A	N/A	170004	19209.0	170000	19209.0

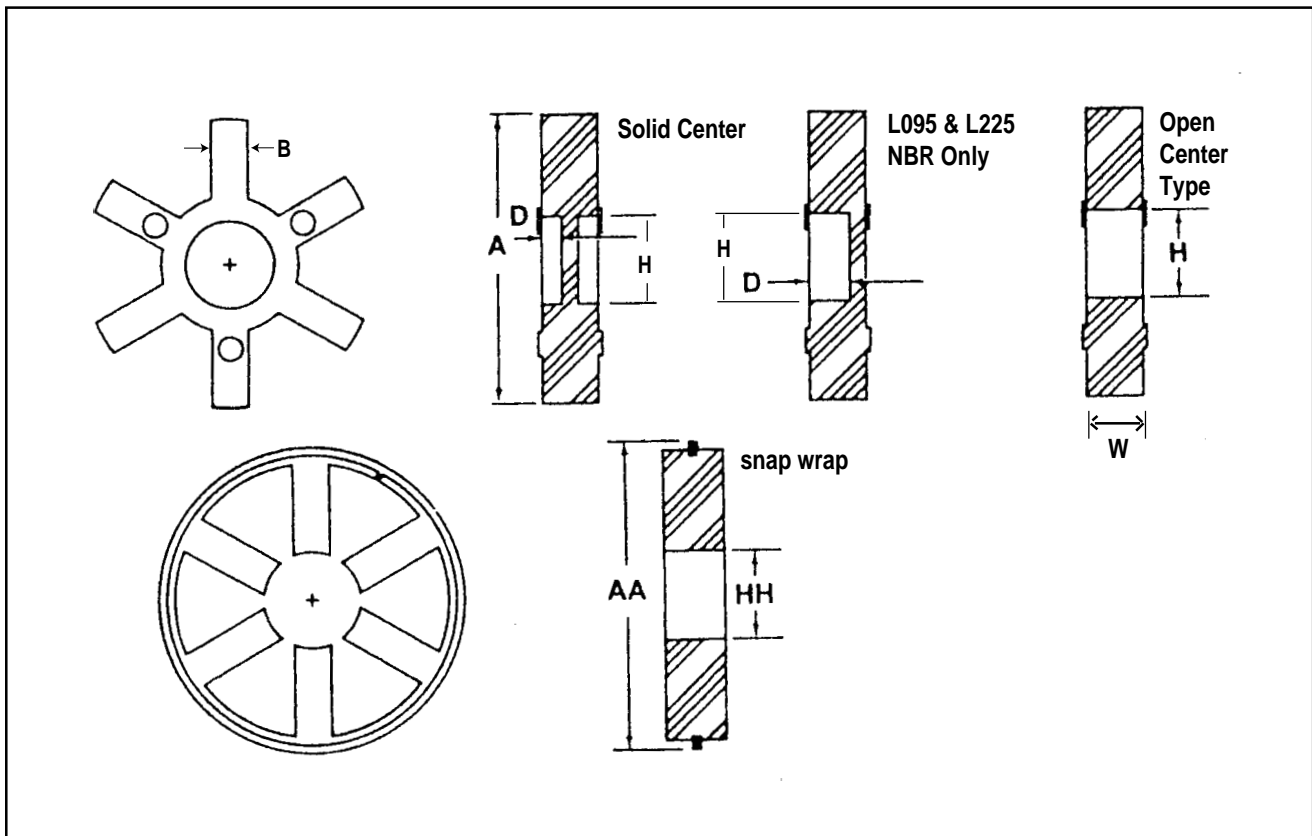
Note: Bronze has a maximum RPM capability of 250 RPM. N/A indicates not available.

Jaw Type Coupling Ratings

See chart on page JW-7 for Bronze and Urethane ratings.

Size	Elastomeric Member	Number of Jaws	Basic HP Ratings @ Varying RPM				Torque Rating		Maximum Bore		Max. RPM x1000
			100	1200	1800	3600	in-lbs	Nm	inch	mm	
L, AL & LC TYPE											
L035	SOX (NBR)	2	.006	.07	.1	.22	3.5	.40	.375	9	31.0
L050/AL050	SOX (NBR)	2	.042	.50	.75	1.51	26.3	2.97	.625	16	18.0
L050/AL050	Hytrel	2	.080	.96	1.43	2.88	50.0	5.65	.625	16	18.0
L070/AL070	SOX (NBR)	2	.070	.84	1.23	2.52	43.2	4.88	.750	19	14.0
L070/AL070	Hytrel	2	.180	2.16	3.26	6.48	114.0	12.88	.750	19	3.6
L075/AL075	SOX (NBR)	3	.140	1.68	2.57	5.04	90.0	10.17	.875	22	11.0
L075/AL075	Hytrel	3	.360	4.32	6.48	12.96	227.0	25.65	.875	22	3.6
L090/AL090/LC090	SOX (NBR)	3	.230	2.76	4.11	8.28	144.0	16.27	1.00	25	9.0
L090/AL090	Hytrel	3	.640	7.68	11.50	23.04	401.0	45.31	1.00	25	3.6
L095/AL095/LC095	SOX (NBR)	3	.310	3.72	5.50	11.16	194.0	21.92	1.12	28	9.0
L095/AL095	Hytrel	3	.890	10.68	16.00	32.04	561.0	63.38	1.12	28	3.6
L099/AL099/LC099	SOX (NBR)	3	.500	6.00	9.10	18.00	318.0	35.93	1.18	30	7.0
L099/AL099	Hytrel	3	1.260	15.12	22.60	45.36	792.0	89.48	1.18	30	3.6
L100/AL100/LC100	SOX (NBR)	3	.660	7.92	11.90	23.76	417.0	47.11	1.38	35	7.0
L100/AL100	Hytrel	3	1.800	21.60	32.40	64.80	1134.0	128.12	1.38	35	3.6
L110/AL110/LC110	SOX (NBR)	3	1.260	15.12	23.00	45.36	792.0	89.48	1.62	42	5.0
L110/AL110	Hytrel	3	3.600	43.20	65.00	129.60	2268.0	256.25	1.62	42	5.0
L150/LC150	SOX (NBR)	3	2.000	24.00	35.00	72.00	1240.0	140.10	1.88	48	5.0
L150	Hytrel	3	5.900	70.80	106.00	212.40	3708.0	418.95	1.88	48	5.0
AL-150	SOX (NBR)	4	2.300	27.60	41.40	82.80	1450.0	163.83	1.88	48	5.0
L190/LC190	SOX (NBR)	3	2.700	32.40	49.00	97.20	1728.0	195.24	2.12	55	5.0
L190	Hytrel	3	7.400	88.80	134.00	266.40	4680.0	528.77	2.12	55	5.0
L225/LC225	SOX (NBR)	3	3.700	44.40	67.00	133.20	2340.0	264.38	2.62	65	4.2
L225	Hytrel	3	9.900	118.80	178.00	356.40	6228.0	703.67	2.62	65	4.2
L276	SOX (NBR)	3	7.500	90.00	135.00	+	4716.0	532.84	2.88	73	1.8
C Type											
C226	SXB (NBR)	3	4.700	56.40	85.00	169.20	2988.0	337.60	2.50	64	4.8
C226	Hytrel	3	9.400	112.80	170.00	338.40	5940.0	671.13	2.50	64	4.8
C276	SXB (NBR)	3	7.500	90.00	135.00	270.00	4716.0	532.84	2.88	73	4.2
C276	Hytrel	3	15.000	180.00	269.00	540.00	9432.0	1065.67	2.88	73	4.2
C280	SXB (NBR)	3	12.000	144.00	216.00	+	7560.0	854.17	3.00	76	3.5
C280	Hytrel	3	22.000	264.00	396.00	+	13866.0	1566.65	3.00	76	3.5
C285	SXB (NBR)	3	14.600	175.20	262.00	+	9182.0	1037.43	4.00	102	3.2
C285	Hytrel	3	26.000	312.00	476.00	+	16660.0	1882.33	4.00	102	3.2
C295	SXB (NBR)	3	18.000	216.00	324.00	+	11340.0	1281.25	3.50	89	2.3
C295	Hytrel	3	36.000	432.00	648.00	+	22680.0	2562.50	3.50	89	2.3
C2955	SXB (NBR)	5	30.000	360.00	540.00	+	18900.0	2135.42	4.00	102	2.3
C2955	Hytrel	5	60.000	720.00	1080.00	+	37800.0	4270.83	4.00	102	2.3
H Type											
H3067	SXB (NBR)	7	53.000	636.00	954.00	+	33396.0	3773.25	4.50	114	2.3
H3067	Hytrel	7	75.000	900.00	1348.00	+	47196.0	5332.44	4.00	102	2.3
H3567	SXB (NBR)	7	74.000	888.00	1332.00	+	46632.0	5268.72	5.00	127	2.1
H3567	Hytrel	7	100.000	1200.00	1799.00	+	63000.0	7118.06	4.50	114	2.1
H3667	SXB (NBR)	7	103.000	1236.00	1851.00	+	64812.0	7322.78	5.62	143	1.9
H3667	Hytrel	7	140.000	1680.00	2519.00	+	88200.0	9965.28	5.00	127	1.9
H4067	SXB (NBR)	7	140.000	1680.00	2520.00	+	88224.0	9967.99	6.25	159	1.8
H4067	Hytrel	7	200.000	2400.00	3600.00	+	126000.0	14236.11	5.50	140	1.8
H4567	SXB (NBR)	7	190.000	2280.00	+	+	119700.0	13524.30	7.00	178	1.5
H4567	Hytrel	7	270.000	3240.00	+	+	170000.0	19207.45	6.00	152	1.5
RRS Type											
RRS090	SOX (NBR)	3	.230	2.76	4.11	8.28	144.0	16.27	1.00	25	3.6
RRS095	SOX (NBR)	3	.310	3.72	5.50	11.16	194.0	21.92	1.12	28	3.6
RRS099	SOX (NBR)	3	.500	6.00	9.10	18.00	318.0	35.93	1.18	30	3.6
RRS100	SOX (NBR)	3	.660	7.92	11.90	23.76	417.0	47.11	1.38	35	3.6
RRS110	SOX (NBR)	3	1.260	15.12	23.00	45.36	792.0	89.48	1.62	42	3.6
RRS150	SOX (NBR)	3	2.000	24.00	35.00	72.00	1240.0	140.10	1.88	48	3.6
RRS190	SOX (NBR)	3	2.700	32.40	49.00	97.20	1728.0	195.24	2.12	55	3.6

Elastomers In Compression (Spiders)

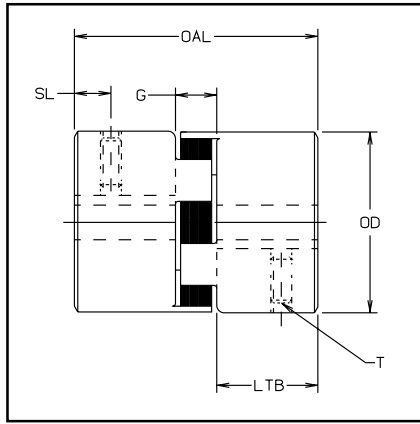


Elastomer Dimensional Data—Inch

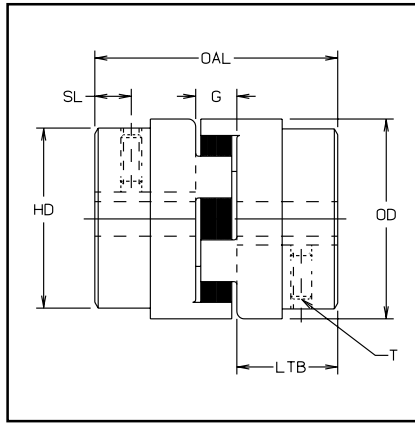
Size	Solid Center Spiders							Open Center Spiders						Snap Wrap Spiders			All	
	Material Available				Dimensions			Material Available				Dimensions		Material	Dimensions		W	B
	NBR SOX	Urethane URE	Hytrel HYT	Bronze BRZ	A	D	H	NBR SOX	Ureth. URE	Hytrel HYT	Bronze BRZ	A	H	NBR	AA	HH		
L035	X	.....	.....	.....	0.62	.....	.....	.....	.....	.....	.....	.....	.....	N/A	.....	.....	.28	.21
L050	X	X	X	.....	1.07	.....	.....	.....	.....	.....	X	1.07	0.31	N/A	.....	.....	.42	.27
L070	X	X	.....	.....	1.38	.....	.....	X	X	X	X	1.38	0.50	N/A	.....	.....	.42	.27
L075	X	.....	.....	.....	1.75	.....	.....	X	X	X	X	1.75	0.75	N/A	.....	.....	.44	.27
L090/L095	X	.....	.....	.....	2.12	.18	0.88	X	X	X	X	2.12	0.88	X	2.56	1.06	.44	.36
L099/L100	X	.....	.....	.....	2.54	.25	1.03	X	X	X	X	2.54	1.03	X	3.08	1.37	.61	.43
L110	X	.....	X	.....	3.31	NBR .25 HYT .18	1.19	X	X	X	X	3.31	1.18	X	3.87	1.50	.75	.45
L150	X	.....	X	.....	3.75	NBR .31 HYT .21	1.25	X	X	X	X	3.75	1.25	X	4.56	1.75	.88	.59
L190	X	.....	X	.....	4.50	NBR .31 HYT .18	1.38	X	X	X	X	4.50	1.38	X	5.18	2.25	.88	.60
L225	X	.....	X	.....	4.98	NBR .38 HYT .18	1.75	X	X	X	X	4.98	1.75	URE.	5.44	2.75	.88	.73
L276	.....	.....	.....	.....	.....	.....	.....	X	.....	.....	X	6.19	1.75	N/A	.....	.....	1.45	.75

Notes: 1. X indicates Available.

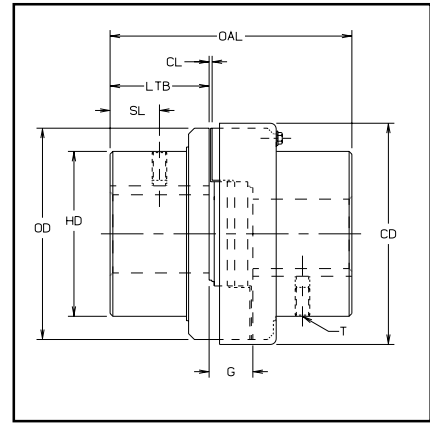
L Type, C Type & H Type Couplings



Style 1



Style 2



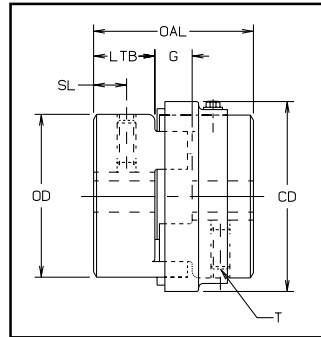
Style 3

Dimensional Data—Inch

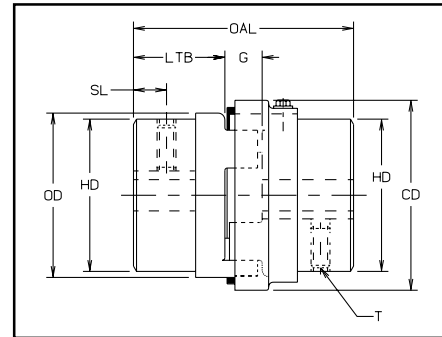
Size	Style No.	Bore		Outer Dia. OD	Overall Length OAL	Gap G	Length Thru Bore LTB		Hub Dia. HD	Clearance CL	Set Screw Location SL	Collar Dia. CD	Set Screw Size T	Weight lbs		Moment of Inertia WR ² lb-in ² (Solid)
		Min.	Max.				Min. Bore	Max. Bore								
L035	1	.125	.375	.63	.81	0.28	0.27	0.63	N/A	0.13	N/A	#6-32	0.1	0.1	.003	
L050	1	.250	.625	1.08	1.71	0.48	0.62	1.08	N/A	0.31	N/A	1/4-20	0.3	0.2	.054	
L070	1	.250	.750	1.36	1.98	0.48	0.75	1.36	N/A	0.38	N/A	1/4-20	0.6	0.4	.115	
L075	1	.250	.875	1.75	2.13	0.50	0.82	1.75	N/A	0.31	N/A	1/4-20	1.0	0.8	.388	
L090	1	.250	1.000	2.11	2.15	0.52	0.82	2.11	N/A	0.44	N/A	1/4-20	1.5	1.2	.772	
L095	1	.437	1.125	2.11	2.51	0.52	1.00	2.11	N/A	0.44	N/A	5/16-18	1.8	1.3	.890	
L099	1	.437	1.188	2.54	2.84	0.71	1.06	2.54	N/A	0.44	N/A	5/16-18	2.5	2.0	2.048	
L100	1	.437	1.375	2.54	3.48	0.71	1.38	2.54	N/A	0.44	N/A	5/16-18	3.2	2.4	2.783	
L110	1	.625	1.625	3.32	4.22	0.88	1.68	3.32	N/A	0.75	N/A	3/8-16	6.6	5.3	8.993	
L150	1	.625	1.875	3.75	4.50	1.00	1.75	3.75	N/A	0.75	N/A	3/8-16	8.8	7.0	11.477	
L190	2	.750	2.125	4.50	4.86	1.00	1.94	4.00	N/A	0.88	N/A	1/2-13	15.3	12.3	39.256	
L225	2	.750	2.625	5.00	5.34	1.00	2.18	4.25	N/A	1.00	N/A	1/2-13	19.6	15.0	65.000	
L276	2	.875	2.875	6.18	7.82	1.58	3.12	5.00	N/A	1.56	N/A	1/2-13	40.0	30.5	188.000	
C226	3	.875	2.500	5.15	7.00	1.50	2.75	4.12	.12	1.38	5.50	1/2-13	29.0	22.0	74	
C276	3	.875	2.875	6.18	7.87	1.63	3.12	5.00	.12	1.56	6.53	1/2-13	47.0	36.0	188	
C280	3	1.250	3.000	7.50	7.87	1.63	3.12	5.50	.12	1.56	7.81	1/2-13	61.0	49.0	362	
C285	3	1.250	4.000	8.50	9.13	1.63	3.75	6.50	.12	1.75	8.88	5/8-11	87.0	68.0	642	
C295	3	1.500	3.500	9.12	9.38	1.88	3.75	6.31	.12	1.88	9.62	5/8-11	97.0	78.0	862	
C2955	3	1.750	4.000	9.12	10.38	1.88	4.25	7.12	.12	2.12	9.62	5/8-11	117.0	90.0	932	
H3067	3	2.125	4.500	10.00	11.62	2.12	4.75	7.00	.12	2.37	10.68	5/8-11	162.0	123.0	1485	
SXB(NBR) HYTREL		2.125	4.000	10.00	11.62	2.12	4.75	7.00	.12	2.37	10.68	5/8-11	162.0	123.0	1485	
H3567	3	2.625	5.000	11.00	12.38	2.38	5.00	7.75	.12	2.50	11.68	5/8-11	246.0	195.0	2174	
SXB(NBR) HYTREL		2.625	4.500	11.00	12.38	2.38	5.00	7.75	.12	2.50	11.68	5/8-11	246.0	195.0	2174	
H3667	3	3.000	5.625	12.00	13.88	2.62	5.63	8.75	.12	2.81	12.45	3/4-10	262.0	190.0	3591	
SXB(NBR) HYTREL		3.000	5.000	12.00	13.88	2.62	5.63	8.75	.12	2.81	12.45	3/4-10	262.0	190.0	3591	
H4067	3	3.250	6.250	13.25	15.38	2.88	6.25	9.75	.12	3.12	14.00	3/4-10	390.0	291.0	6287	
SXB(NBR) HYTREL		3.250	5.500	13.25	15.38	2.88	6.25	9.75	.12	3.12	14.00	3/4-10	390.0	291.0	6287	
H4567	3	3.500	7.000	14.50	17.12	3.12	7.00	10.75	.12	3.50	15.75	3/4-10	575.0	435.0	10565	
SXB(NBR) HYTREL		3.500	6.000	14.50	17.12	3.12	7.00	10.75	.12	3.50	15.75	3/4-10	575.0	435.0	10565	

- Notes:**
1. N/A indicates not applicable.
 2. Maximum bore is less for H Type couplings with Hytrel due to increased torque capacity.
 3. Jaw coupling hubs are standard with one set screw, for two set screws see RRS & RRC sections.

LC Type Couplings



Style 1



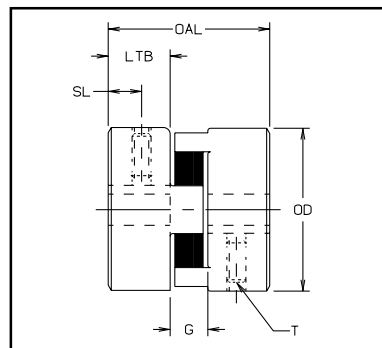
Style 2

LC Type Dimensional Data—Inch

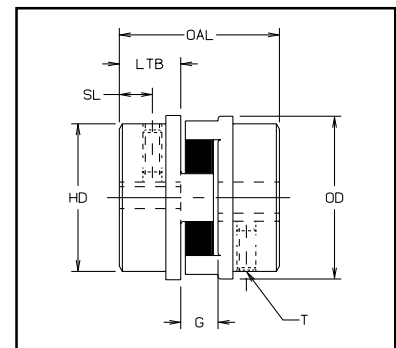
Size	Style No.	Bore		Outer Dia. OD	Overall Length OAL	Jaw Gap G	Length		Clearance CL	Set Screw Location SL	Collar Dia. CD	Set Screw Size T	Weight lbs		Moment of Inertia WR ² lb-in ² (Solid)
		Min.	Max.				Thru Bore LTB	Hub Dia. HD					Solid	Max. Bore	
LC090	1	.250	1.00	2.11	2.12	.50	.81	2.11	N/A	.44	2.54	1/4-20	1.5	1.2	.772
LC095	1	.437	1.12	2.11	2.50	.50	1.00	2.11	N/A	.44	2.54	5/16-18	1.8	1.3	.890
LC099	1	.437	1.18	2.53	2.87	.75	1.06	2.53	N/A	.44	3.11	5/16-18	2.5	2.0	2.048
LC100	1	.437	1.37	2.53	3.50	.75	1.38	2.53	N/A	.44	3.11	5/16-18	3.5	2.5	2.783
LC110	1	.625	1.62	3.31	4.25	.87	1.69	3.31	N/A	.75	3.81	3/8-16	6.6	5.0	8.993
LC150	1	.625	1.88	3.75	4.50	1.00	1.75	3.75	N/A	.75	4.41	3/8-16	9.1	7.0	11.477
LC190	2	.750	2.12	4.50	4.88	1.00	1.94	4.00	N/A	.88	5.01	1/2-13	17.0	13.0	39.256
LC225	2	.875	2.62	5.00	5.38	1.00	2.19	4.25	N/A	1.00	5.61	1/2-13	23.0	18.0	65.003

Note: N/A indicates not applicable

AL Type Coupling



Style 1



Style 2

AL Type Dimensional Data—Inch

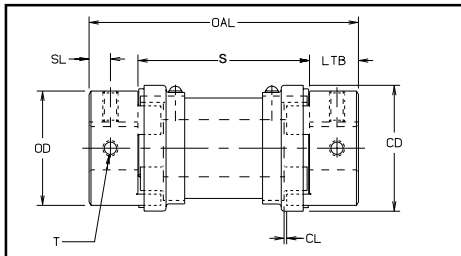
Size	Style No.	Bore		Outer Dia. OD	Overall Length OAL	Jaw Gap G	Length		Clearance CL	Set Screw Location SL	Collar Dia. CD	Set Screw Size T	Weight lbs		Moment of Inertia WR ² lb-in ² (Solid)
		Min.	Max.				Thru Bore LTB	Hub Dia. HD					Solid	Max. Bore	
AL050	1	.250	.625	1.08	1.60	.48	.56	1.08	N/A	.31	N/A	1/4-20	0.2	0.2	0.020
AL070	1	.250	.750	1.36	2.00	.50	.75	1.36	N/A	.38	N/A	1/4-20	0.3	0.2	0.040
AL075	2	.250	.875	1.75	2.12	.50	.81	1.53	N/A	.31	N/A	1/4-20	0.4	0.3	0.121
AL090	2	.500	.875	2.12	2.34	.52	.91	1.53	N/A	.34	N/A	1/4-20	0.5	0.4	0.271
AL095	1	.500	1.125	2.12	2.50	.50	1.00	2.12	N/A	.44	N/A	5/16-18	0.8	0.6	0.336
AL099	2	.500	1.187	2.53	2.81	.75	1.03	2.06	N/A	.44	N/A	5/16-18	1.0	0.8	0.644
AL100	2	.500	1.375	2.53	3.50	.75	1.37	2.41	N/A	.44	N/A	5/16-18	1.5	1.1	1.207
AL110	1	.625	1.625	3.31	4.25	.87	1.69	3.31	N/A	.75	N/A	5/16-18	2.7	2.1	3.531
AL150 ²	2	.625	1.875	4.25	4.50	1.00	1.75	3.19	N/A	.63	N/A	5/16-18 ²	3.7	2.8	7.002

Notes: 1. N/A indicates not applicable
2. Two set screws provided with AL150.

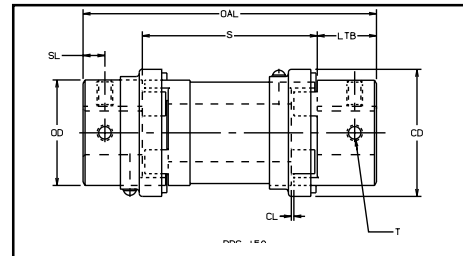
RRS & RRC Type Dimensional Data—Inch

Size	Style No.	Bore Min.	Bore Max.	Hub Outer Diameter OD	Overall Length OAL	Spacer S	Length Thru Bore LTB	Hub Step Diameter HD	Clearance CL	Set Screw Location SL	Collar Diameter CD	Set Screw Size T	Weight lbs.	
RRS090	1	.250	1.000	2.11	5.12	3.50	.81	.....	.09	.43	2.50	1/4-20	1.7	
					6.62								5.00	1.8
					8.62								7.00	1.9
RRS095	1	.437	1.125	2.11	5.50	3.50	1.00	.....	.09	.43	2.50	5/16-18	1.9	
					7.00								5.00	2.0
					9.00								7.00	2.1
RRS099	1	.437	1.187	2.53	5.62	3.50	1.06	.....	.12	.44	3.12	5/16-18	2.2	
					7.12								5.00	2.5
					9.12								7.00	2.8
RRS100	1	.437	1.375	2.53	6.25	3.50	1.38	.....	.12	.44	3.12	5/16-18	3.2	
					7.75								5.00	3.5
					9.75								7.00	3.8
RRS110	1	.625	1.625	3.31	6.88	3.50	1.68	.....	.12	.75	3.81	5/16-18	6.2	
					8.36								5.00	6.6
					10.36								7.00	7.2
RRS150	2	.625	1.875	3.75	7.00	3.50	1.75	.....	.12	.62	4.44	3/8-16	12.2	
					8.50								5.00	15.7
					10.50								7.00	20.3
RRS190	3	.750	2.125	4.50	7.38	3.50	1.94	4.00	.12	.88	5.00	1/2-13	23.0	
					8.88								5.00	28.2
					10.88								7.00	35.0
RRS225	3	.750	2.625	5.00	7.88	3.50	2.18	4.25	.12	1.00	5.62	1/2-13	26.5	
					9.38								5.00	33.0
					11.38								7.00	41.4
RRC226	4	.875	2.125	5.16	9.19	3.50	2.84	4.12	N/A	1.38	5.50	1/2-13	37.0	
					10.68								5.00	43.0
					12.68								7.00	49.0
RRC276	4	.875	2.625	6.18	8.60	3.50	2.47	5.00	N/A	1.00	6.50	1/2-13	52.0	
					9.94								5.00	59.0
					11.94								7.00	69.0
RRC280	4	1.250	3.375	7.50	8.50	3.50	2.47	5.50	N/A	1.00	7.81	1/2-13	66.0	
					9.94								5.00	75.0
					11.94								7.00	87.0
RRC285	4	1.250	4.125	8.50	9.31	3.50	2.87	6.50	N/A	1.00	8.88	1/2-13	92.0	
					10.75								5.00	104.0
					12.75								7.00	121.0
RRC295	4	1.500	4.125	9.12	9.50	4.00	2.75	6.50	N/A	1.38	9.56	1/2-13	100.0	
					10.50								5.00	112.0
					12.50								7.00	128.0
RRC2955	4	1.750	4.125	9.12	9.50	4.00	2.75	6.50	N/A	1.88	9.56	5/8-11	96.0	
					10.50								5.00	111.0
					12.50								7.00	132.0

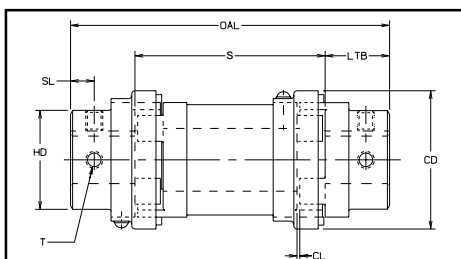
- Notes:**
1. N/A indicates not applicable.
 2. See pages JW-7 and JW-20 for Performance Data.



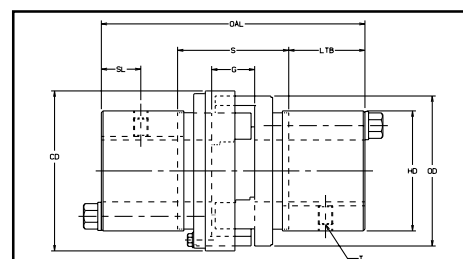
Style 1



Style 2



Style 3



Style 4

RRS Dimensional Data—Metric Spacers

Size	Style No.	Bore (mm)		Distance Between Shafts S mm	Overall Length OAL mm	Spacer Weight lbs.	Spacer Weight Kg.
		Min.	Max.				
RRS090	1	12	25	100	141	.83	.38
				140	181	1.21	.55
				180	221	1.59	.79
RRS095	1	14	28	100	151	.83	.38
				140	191	1.21	.55
				180	231	1.59	.79
RRS099	1	15	30	100	154	1.08	.49
				140	194	1.63	.74
				180	234	2.17	.98
RRS100	1	15	35	100	170	1.08	.49
				140	210	1.63	.74
				180	250	2.17	.98
RRS110	1	19	42	100	186	1.64	.74
				140	226	2.55	1.16
				180	266	3.48	1.58
RRS150	2	28	48	100	189	5.92	2.69
				140	229	9.54	4.33
				180	269	13.19	5.98
RRS190	2	28	55	100	199	8.75	3.97
				140	239	14.00	6.35
				180	277	19.26	8.74
RRS225	2	32	65	100	221	10.83	4.91
				140	261	17.49	7.93
				180	291	24.18	10.97

Note: See pages JW-7 and JW-20 for Performance Data.

Special Length L Type Hubs

Lovejoy has available special length versions of selected sizes of the L Type Jaw Coupling hubs.

Size	Standard Dimensions		Special Dimensions	
	Complete Couplings Overall Length (OAL)	Hub Length Thru Bore (LTB)	Complete Couplings Overall Length (OAL)	Hub Length Thru Bore (LTB)
L050	1.720	.62	1.10	.31
			1.34	.43
			2.24	.88
L070	2.000	.75	1.23	.38
			3.00	1.25
L095	2.500	1.00	3.86	1.68
L100	3.500	1.375	7.99	3.62
L110	4.250	1.69	2.37	.75
			2.47	.80
			6.63	2.88

- Notes:**
1. For ordering information on any special length jaw hub, please contact Lovejoy Customer Service.
 2. The Overall Length is calculated using two hubs with the same length thru bore.

Jaw In-Shear Type

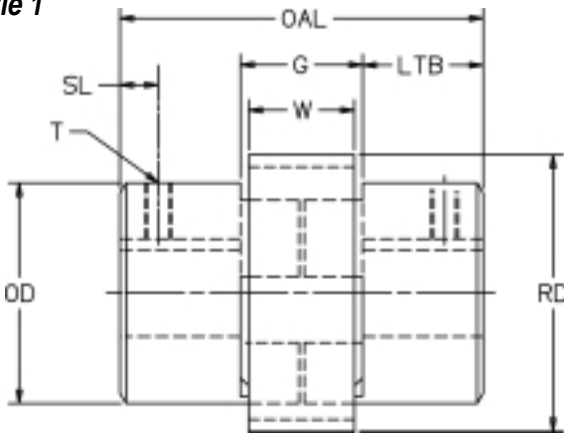


Dimensional Data

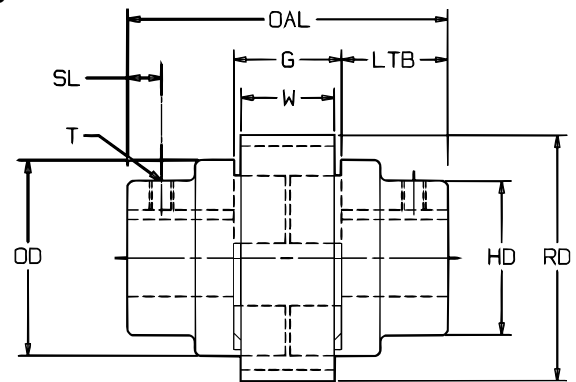
Jaw In-Shear Six Pin Coupling Dimensional Data—Inch

Size	Style	O.D.	O.A.L.	G	LTB	HD	SL	RD	W	T
LS090	1	2.11	2.64	1.00	0.82	2.11	0.44	2.75	0.83	1/4 - 20
LS095	1	2.11	3.00	1.00	1.00	2.11	0.44	2.75	0.83	5/16 - 18
LS099	1	2.54	3.52	1.40	1.06	2.54	0.44	3.19	1.21	5/16 - 18
LS100	1	2.54	4.16	1.40	1.38	2.54	0.44	3.19	1.21	5/16 - 18
LS110	1	3.32	5.00	1.64	1.68	3.32	0.75	4.00	1.45	3/8 - 16
LS150	1	3.75	5.44	1.94	1.75	3.75	0.75	4.69	1.71	3/8 - 16
LS190	2	4.50	5.82	1.94	1.94	4.00	0.88	5.50	1.71	1/2 - 13
LS225	2	5.00	6.30	1.94	2.18	4.25	1.00	6.13	1.71	1/2 - 13
LS276	2	6.18	9.43	3.19	3.12	5.00	1.56	7.41	2.97	1/2 - 13
CS280	2	7.50	9.43	3.19	3.12	5.50	1.56	8.94	2.97	1/2 - 13
CS285	2	8.50	10.69	3.19	3.75	6.50	1.75	10.00	2.97	5/8 - 11
CS300	2	10.00	12.25	4.25	4.00	7.25	2.00	11.07	5.10	CSL
CS310	2	11.00	13.25	4.25	4.50	8.25	2.25	12.07	5.10	CSL
CS350	2	12.50	9.00	4.88	6.38	9.25	3.19	13.57	5.70	CSL
CS400	2	14.25	10.25	5.38	7.38	10.75	3.69	15.33	6.20	CSL
CS500	2	16.50	12.38	6.38	9.00	13.25	4.50	17.57	7.20	CSL

Style 1



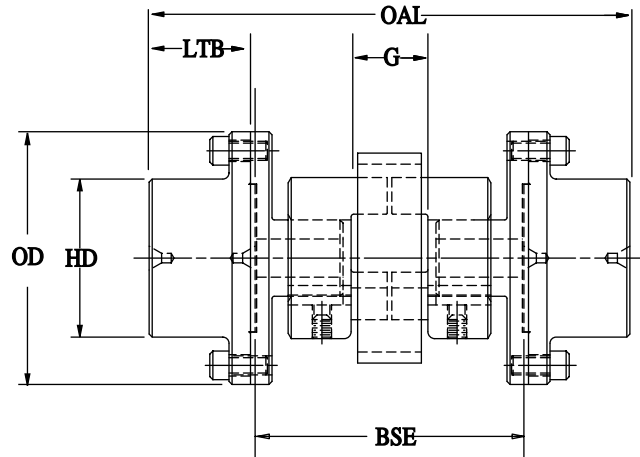
Style 2



Six Pin JIS Part Numbers and List Prices

Size	Spider		Ring	
	UPC#	List Price	UPC#	List Price
LS090/095	71706	\$31.75	71679	\$26.50
LS099/100	71707	\$39.75	71680	\$33.00
LS110	71708	\$51.00	71681	\$45.00
LS150	71709	\$67.00	71682	\$75.50
LS190	71710	\$102.00	71683	\$83.00
LS225	71711	\$160.00	71684	\$175.00
LS276	71712	\$222.00	71685	\$210.00
CS280	71713	\$282.50	71686	\$230.00
CS285	71714	\$418.65	71687	\$284.00
CS300	72170	\$481.45	72175	\$326.60
CS310	72171	\$577.74	72176	\$391.92
CS350	72172	\$664.40	72177	\$450.71
CS400	72173	\$764.06	72178	\$518.32
CS500	72174	\$878.60	72179	\$596.06

Jaw In-Shear Type



JIS 6 Pin Spacer Coupling—Dimensional Data Chart—Inch

Spacer Coupling Size	O.D.	O.A.L.	G	B.S.E.	Grid Hub Size	LTB	H.D.	Max Bore Size
LS090	4.00	6.26	1.00	3.500	G2020	1.38	2.06	1.375
	4.00	7.76	1.00	5.000	G2020	1.38	2.06	1.375
	4.00	9.76	1.00	7.000	G2020	1.38	2.06	1.375
	4.00	11.76	1.00	9.000	G2020	1.38	2.06	1.375
LS095	4.00	6.26	1.00	3.500	G2020	1.38	2.06	1.375
	4.00	7.76	1.00	5.000	G2020	1.38	2.06	1.375
	4.00	9.76	1.00	7.000	G2020	1.38	2.06	1.375
	4.00	11.76	1.00	9.000	G2020	1.38	2.06	1.375
LS099	4.00	6.26	1.40	3.500	G2020	1.38	2.06	2.375
	4.00	7.76	1.40	5.000	G2020	1.38	2.06	1.375
	4.00	9.76	1.40	7.000	G2020	1.38	2.06	1.375
LS100	4.00	11.76	1.40	9.000	G2020	1.38	2.06	1.375
	4.00	6.25	1.40	3.500	G2020	1.375	2.06	1.375
	4.00	7.75	1.40	5.000	G2020	1.375	2.06	1.375
	4.00	9.75	1.40	7.000	G2020	1.375	2.06	1.375
LS110	4.38	11.75	1.40	9.000	G2020	1.375	2.06	1.375
	4.38	8.25	1.64	5.000	G2030	1.625	2.34	1.625
	4.38	10.25	1.64	7.000	G2030	1.625	2.34	1.625
	4.38	12.24	1.64	9.000	G2030	1.62	2.34	1.625
LS150	4.62	11.25	1.94	7.000	G2040	2.125	3.09	2.12
	4.62	13.25	1.94	9.000	G2040	2.125	3.09	2.12
	5.44	9.75	1.94	5.000	G2050	2.375	2.38	2.38
LS190	5.44	11.75	1.94	7.000	G2050	2.375	2.38	2.38
	5.44	13.75	1.94	9.000	G2050	2.375	2.38	2.38
LS225	5.94	12.75	1.94	7.000	G2060	2.875	2.88	2.88
	5.94	14.75	1.94	9.000	G2060	2.875	2.88	2.88
LS276	6.38	21.76	3.19	9.000	G2070	3.12	4.31	3.12
CS280	7.62	24.24	3.19	9.000	G2080	3.50	4.81	3.50
CS285	7.62	16.00	3.19	9.000	G2080	3.500	4.81	3.50
CS300	11.070	17.00	4.25	9.000	G2090	4.000	5.62	4.00
CS310	12.070	16.12	4.898	9.000	G2100	3.560	6.75	4.75
CS350	13.570	17.20	5.38	9.000	G2110	4.100	7.75	5.50