

Jaw Couplings

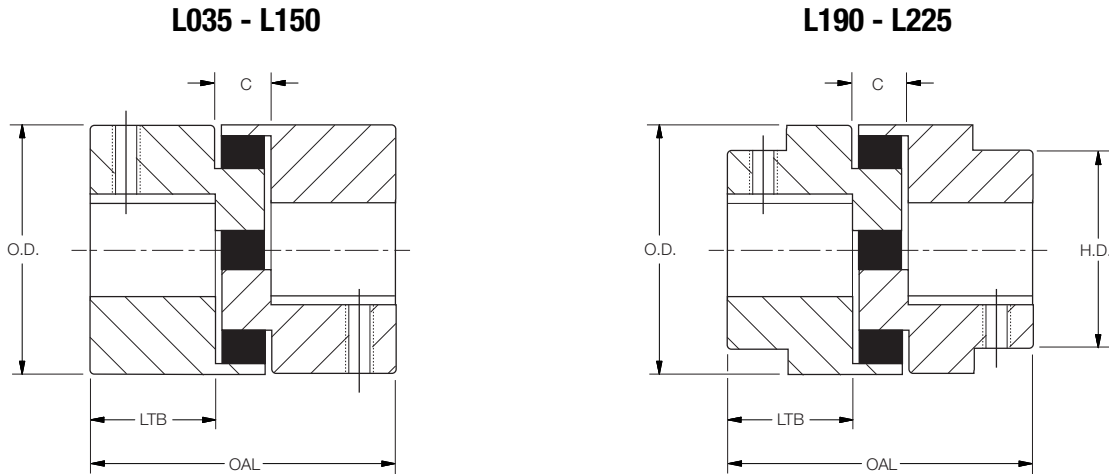


IDC SELECT[®]
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IDC SELECT® JAW COUPLINGS

L-JAW COUPLINGS

DIMENSIONS



L-Jaw Dimensions

Coupling Size	Hub Material	Dimensions					Weight (Lbs)*
		OD	HD	LTB	OAL	C	
L035	S	0.63		0.27	0.81	0.28	0.1
L050	S	1.08		0.63	1.72	0.47	0.15
L070	CI	1.36		0.75	2.00	0.50	0.31
L075	CI	1.75		0.81	2.13	0.50	0.53
L090	CI	2.11		0.81	2.13	0.50	0.77
L095	CI	2.11		1.00	2.50	0.50	0.95
L099	CI	2.53		1.06	2.88	0.75	1.48
L100	CI	2.53		1.38	3.50	0.75	1.85
L110	CI	3.33		1.69	4.23	0.85	4.01
L150	CI	3.75		1.75	4.50	1.00	5.38
L190	CI	4.50	4.00	1.94	4.88	1.00	7.32
L225	CI	5.00	4.25	2.19	5.38	1.00	10.82

S = Steel

CI = Cast Iron

*Weight of coupling with minimum bore hubs

IDC SELECT® JAW COUPLINGS

TORQUE - HORSEPOWER

Coupling Ratings

Hub	Max Bore	Max RPM	Buna-N Spider			Urethane Spider			Hytrel Spider		
			Spider	Torque (in. lbs)	HP @ 100 RPM	Spider	Torque (in. lbs)	HP @ 100 RPM	Spider	Torque (in. lbs)	HP @ 100 RPM
L035	3/8	31000	L035N	3.5	0.006						
L050	5/8	18000	L050N	26	0.042	L050U	39	0.06	L050H	50	0.08
L070	3/4	14000	L070N	43	0.069	L070U	65	0.10	L070H	114	0.18
L075	7/8	11000	L075N	90	0.14	L075U	135	0.21	L075H	227	0.36
L090	1	9000	L090N	144	0.23	L090U	216	0.35	L090H	401	0.64
L095 ①	1-1/8	9000	L090N	194	0.31	L090U	291	0.47	L090H	561	0.89
L099	1-3/16	7000	L099N	318	0.51	L099U	477	0.77	L099H	792	1.3
L100 ②	1-7/16	7000	L099N	417	0.66	L099U	626	1.0	L099H	1134	1.8
L110	1-5/8	5000	L110N	792	1.3	L110U	1188	2.0	L110H	2268	3.6
L150	1-7/8	5000	L150N	1240	2.0	L150U	1860	3.0	L150H	3708	5.9
L190	2-1/8	5000	L190N	1726	2.7	L190U	2589	4.1	L190H	4680	7.4
L225	2-5/8	4600	L225N	2340	3.7	L225U	3510	5.6	L225H	6228	9.9
L276	2-7/8	4200	L276N	4716	7.5						

① Uses L090 spiders ② Uses L099 spiders
 Bronze inserts have same the ratings as Hytrel® inserts
 Warning: Do not use bronze insert over 250 RPM

Coupling HP @ RPM

Hub	Buna-N Spider				Urethane Spider				Hytrel Spider			
	Spider	HP @ RPM			Spider	HP @ RPM			Spider	HP @ RPM		
		1200	1800	3600		1200	1800	3600		1200	1800	3600
L035	L035N	0.07	0.10	0.20								
L050	L050N	0.50	0.75	1.5	L050U	0.75	1.1	2.3	L050H	0.95	1.4	2.9
L070	L070N	0.8	1.2	2.5	L070U	1.2	1.8	3.8	L070H	2.2	3.3	6.5
L075	L075N	1.7	2.6	5.1	L075U	2.6	3.9	7.7	L075H	4.3	6.5	13
L090	L090N	2.7	4.1	8.2	L090U	4.0	6.2	12	L090H	7.6	11	23
L095 ①	L090N	3.7	5.5	11	L090U	5.6	8.3	17	L090H	11	16	32
L099	L099N	6.0	9.1	18	L099U	9.0	14	27	L099H	15	23	45
L100 ②	L099N	7.9	12	24	L099U	12	18	36	L099H	22	32	65
L110	L110N	15	23	45	L110U	23	35	68	L110H	43	65	130
L150	L150N	24	35	71	L150U	36	53	107	L150H	71	106	212
L190	L190N	33	49	99	L190U	50	74	149	L190H	89	134	267
L225	L225N	45	67	134	L225U	68	101	201	L225H	119	178	356

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Spider Characteristics

Characteristics	Buna-N	Urethane	Hytrel
Oil Resistance	Good	Good	Excellent
Chemical Resistance	Poor	Good	Excellent
Flexibility	Excellent	Good	Fair
Temperature Range	F -40 to +212 C -40 to +100	-30 to +160 -35 to +71	-60 to +250 -51 to +121
Max. Misalignment			
• Angular	1°	1°	1/2°
• Parallel	.015"	.015"	.015"
Color	Black	Orange	White

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IDC SELECT® JAW COUPLINGS

STOCK BORES

Stock L-Jaw Inch Hubs

Bore Size	L035	L050	L070	L075	L090	L095	L099	L100	L110	L150	L190	L225
1/8	0											
3/16	0											
1/4	0	0	0	0	0							
5/16	0	0	X	0	0							
3/8	0	0	0	X	0							
7/16		1	X	X	X	X	1	0				
1/2		X	X	X	X	X	1	X				
9/16		1	1	1	1	1	1					
5/8		X	1	1	1	1	1	1	1	X		
11/16			X	1	1	1	1	1				
3/4			1	1	1	1	1	1	1	1		1
7/8				1	1	1	1	1	1	1		
15/16					1	1	1	1	1			
1					1	1	1	1	1	1	1	1
1-1/16												
1-1/8						1	1	1	1	1	1	1
1-3/16							1	1	1	1		
1-1/4								1	1	1	1	1
1-5/16												
1-3/8								1	1	1	1	1
1-7/16								1	1	1		
1-1/2									1	1	1	1
1-9/16												
1-5/8									1	1	1	1
1-11/16										1		
1-3/4										1	1	1
1-13/16												
1-7/8										1	1	1
1-15/16											1	1
2											1	1
2-1/8											1	1
2-3/16												
2-1/4												1
2-3/8												1

0 No Keyseat 1 Standard Keyseat X Plain Bore & Standard Keyseat Available

Standard Keyseat Dimensions

Shaft Diameter	Width	Depth
7/16	3/32	3/64
1/2 to 9/16	1/8	1/16
5/8 to 7/8	3/16	3/32
15/16 to 1-1/4	1/4	1/8
1-5/16 to 1-3/8	5/16	5/32
1-7/16 to 1-3/4	3/8	3/16
1-13/16 to 2-1/4	1/2	1/4
2-5/16 to 2-3/4	5/8	5/16