

# L-Jaw Couplings

## Installation Instructions

**P-5025-TBW  
Form 1330**

**⚠ WARNING** Lock out / tag out the power source before proceeding to avoid unexpected starts. Failure to observe these precautions could result in bodily injury.



Scan to watch!  
*L-Jaw Couplings Installation Video*  
<https://p.widencdn.net/gdmwbs/V-0094-TBW>

L-Jaw couplings consist of two hubs and one spider (elastomer or bronze insert). To install the coupling:

1. Determine the size of components being used and check the maximum RPM value in Table 1 against operating speed.
2. Inspect all coupling components and remove any protective coatings or lubricants from bores, mating surfaces and fasteners. Remove any existing burrs, etc. from the shafts.
3. Slide one coupling hub onto each shaft, using the shaft keys where required.
4. Position the hubs on the shaft and insert the spider into one of the hubs. Slide the remaining shaft and hub into the spider so that a close fit is achieved. It is usually best to have the shaft extend completely through the solid portion of the hub, and the center of the spider should be in the center of the gap between shaft ends. Once proper positioning of the two hubs and spider is achieved, securely tighten the hub setscrews.
5. Check parallel alignment by placing a straight-edge across the two coupling hubs and measuring the maximum offset at various points around the periphery of the coupling without rotating the coupling. If the maximum offset exceeds the figure shown under "Parallel" in the table, realign the shafts.
6. Check angular alignment with a micrometer or caliper. Measure from the outside of one hub to the outside of the other at intervals around the periphery of the coupling. Determine maximum and minimum dimensions without rotating the coupling. The difference between the maximum and minimum must not exceed the figure given under "Angular" in the table. If a correction is necessary, be sure to recheck the parallel alignment.

**Table 1**

SIZE	OD	Max RPM	ANGULAR	
			Buna Urethane	Hytre Bronze
L035	0.06	31000	0.010	0.005
L050	1.08	18000	0.019	0.009
L070	1.36	14000	0.024	0.012
L075	1.75	11000	0.031	0.015
L090	2.11	9000	0.037	0.018
L095	2.11	9000	0.037	0.018
L099	2.53	7000	0.044	0.022
L100	2.53	7000	0.044	0.022
L110	3.31	5000	0.058	0.029
L150	3.75	5000	0.065	0.033
L190	4.50	5000	0.079	0.039
L225	5.00	4600	0.087	0.044
L276	6.19	4200	0.108	0.054

Parallel = .015" all spider materials except bronze  
Bronze = .010"



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