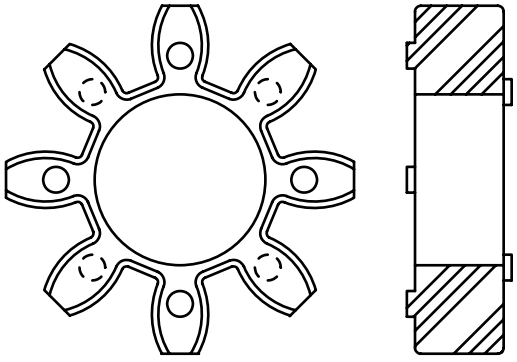
The Curved Jaw Design

- Three piece design that is easy to assemble
- The curved jaw design incorporates both radial and axial curvature (crowning) to the elastomer (spider)
- Hubs are offered in sintered iron, steel, aluminum, cast iron and nodular iron materials
- Three different urethane elastomers available
- No metal to metal contact and no lubrication required
- Fail safe design due to the jaw in compression design (continues to function after the elastomer fails)
- The CJ series covers a torque range of 67 to 247,800 in-lbs

Elastomers

- Four types of spiders are available for the CJ Series of couplings
- Urethane spiders provide high abrasion resistance and elasticity, along with good damping characteristics
- The spiders are offered in a variety of shore hardnesses, each providing a different level of torque capacity, damping, and chemical resistance
- The 92A shore insert (yellow in color) is the standard, offering excellent torque carrying capacity
- The 80A shore insert (blue) offers the best damping characteristics
- The 95/98A shore spider (red) offers higher torque than the standard 92 shore, but retains greater damping capacity compared to the 64D shore insert (green)
- The 64D shore insert is offered for high humidity environments, higher temperatures, and offers the highest torque capacity
- The standard curved jaw spider design has a hole in the center to accommodate small between shaft end measurements
- The 80A, 92A, and 95/98A shore spiders have a temperature capacity of 212° F
- The 64D shore spider has a temperature capacity of 230° F
- The curved jaw spider's urethane material also resists oil, dirt, sand, grease, moisture, many solvents, as well as atmospheric effects of ozone



Standard Spider Design

CJ Series Elastomer Recommendation Chart

Spider Type	Application types requiring:
80 shore A (Blue)	Good dampening properties
92 shore A (Yellow)	General & hydraulic applications
95/98 shore A (Red)	High torque requirements
64 shore (Green)	High humidity environments

CJ Series Elastomer Performance Data

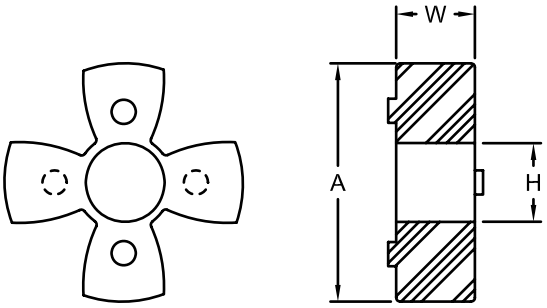
Spider Type	Color	Material	Temperature Range		Stock	Misalignment (inches)			Typical Applications
			Normal	Maximum	Sizes	Angular	Parallel	Axial	
80 Shore A	Blue	Polyurethane	-40° to 212° F	-40° to 248° F	14-180	.9 - 1.3 deg	.008 - .027	.039 - 252	Good dampening properties
92 Shore A	Yellow	Polyurethane	-40° to 212° F	-50° to 248° F	14-180	.9 - 1.3 deg	.008 - .027	.039 - 252	General & hydraulic
95/98 Shore A	Red	Polyurethane	-40° to 212° F	-40° to 248° F	14-180	.9 - 1.3 deg	.008 - .027	.039 - 252	High torque requirements

CJ Series Special Elastomer Data

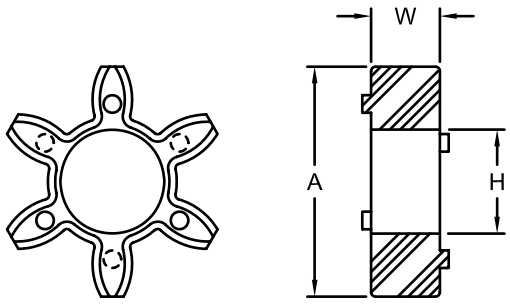
Spider Type	Color	Material	Temperature Range		Stock	Misalignment (inches)			Typical Applications
			Normal	Maximum	Sizes	Angular	Parallel	Axial	
64 Shore D	Green	Polyurethane	-30° to 230° F	-30° to 266° F	14-180	.9 - 1.3 deg	.008 - .027	.039 - 252	Highly humidity environments

Curved Jaw Coupling Spiders Dimensional Data

Size	A		H		W	
	in	mm	in	mm	in	mm
14	1.18	30	0.39	10	0.39	10
19/24	1.57	40	0.71	18	0.47	12
24/32	2.16	55	1.06	27	0.55	14
28/38	2.56	65	1.15	29	0.59	15
38/45	3.15	80	1.50	38	0.71	18
42/55	3.74	95	1.81	46	0.79	20
48/60	4.13	105	2.01	51	0.83	21
55/70	4.72	120	2.36	60	0.87	22
65/75	5.31	135	2.68	68	1.02	26
75/90	6.30	160	3.15	80	1.18	30
90/100	7.87	200	3.94	100	1.34	34
100/110	8.86	225	4.45	113	1.50	38
110/125	10.04	255	5.00	127	1.65	42
125/145	11.42	290	5.79	147	1.81	46
140	12.60	320	6.50	165	1.97	50
160	14.57	370	7.48	190	2.24	57
180	16.54	420	8.66	220	2.52	64



CJ 14



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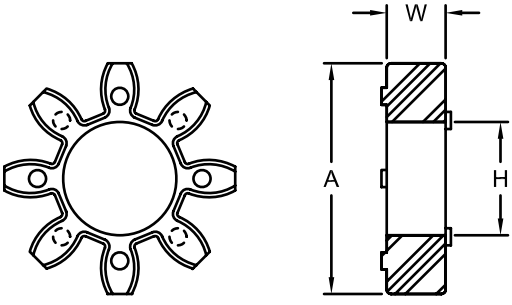
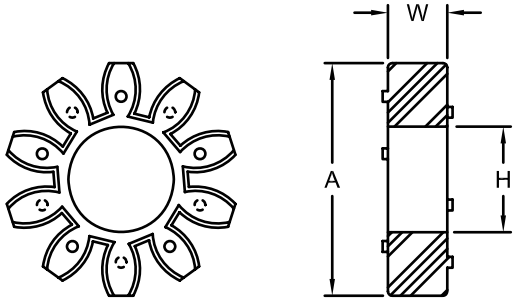


CJ 24/32 - 65/75



CJ 75/90 - 125/145