

Basic Torque Ratings

The ratings are divided into the respective joint duty sizes and are based on the following:

Continuous Torque . . . for use as a reference only, based on 5000 hrs. B10 life expectancy at 100 r.p.m., 3° operating angle.

Short Duration . . . represents the joints capability to withstand momentary loading accompanying start-stop service.

Minimum Elastic Limit . . . represents the maximum torque load the universal joint will transmit instantaneously without brinelling bearing or yield in any part. This may be assumed to be the maximum safe shock load.

Maximum Operating Speed . . . is based on suitable proportions of length and tube diameter.

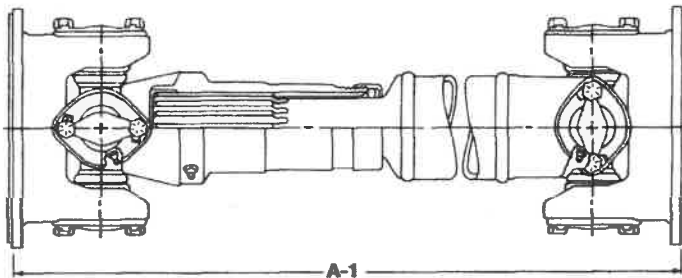


Figure 1

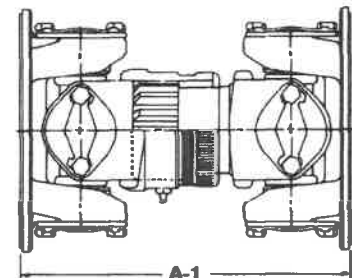


Figure 2

SPICER U-JOINT SERIES	Torsional Ratings (lb. ft.)			U-Joint Swing Diameter	A-1 Minimum Length Collapsed		Maximum Operating Speed
	Continuous Torque	Short Duration Torque	Minimum Elastic Limit		Tube Type Assembly (Figure 1)	Short Coupled Assembly (Figure 2)	
Light Duty							
1280	—	570	1,250	3.75"	13.66"	8.88"	6,000
1310	400	800	1,600	3.75"	13.66"	8.88"	6,000
Medium Duty							
1350	680	1,240	2,260	4.25"	14.96"	9.50"	5,000
1410	820	1,500	2,700	4.69"	14.62"	8.75"	5,000
1480	1,100	2,000	3,330	4.81"	15.50"	8.50"	5,000
Heavy Duty							
1550	1,400	2,400	4,400	5.63"	15.75"	8.50"	5,000
1610	2,200	3,650	6,500	7.00"	19.81"	9.12"	4,500
1710	2,930	4,800	8,000	7.75"	21.50"	10.62"	4,500
1760	3,480	5,800	10,200	8.57"	22.73"	19.14"	4,500
1810	3,800	6,500	12,000	9.13"	24.69"	13.40"	4,500
1880	5,000	8,900	16,000	9.88"	25.69"	13.63"	3,000
Extra Heavy Duty							
1910	7,800	12,000	20,800	8.81"	30.38"	21.65"	2,500
1950	11,300	18,000	34,000	11.25"	44.00"	33.94"	2,500
2050	23,700	36,000	68,000	14.00"	45.25"	33.75"	2,000
2150	47,200	72,000	136,000	17.50"	61.44"	56.94"	1,500

* - Rating applies to Universal Joint