

Dodge Grid-Lign Tapered Grid Couplings



VERSATILITY

With its technologically advanced design, the Dodge Grid-Lign coupling provides all the desired features in a metallic coupling: power density, misalignment capability, flexibility, and high quality construction.

TORQUE CAPACITY

Torque capacities ranging from 464 in-lbs to 1.65 million in-lbs allow Dodge Grid-Lign couplings to be utilized in a wide range of industrial applications; from high-speed pumps and fans, to low-speed bulk material handling conveyors.

BORE CAPACITY

With expansive bore capacities, Dodge Grid-Lign couplings provide solutions for attaching shafts from 0.5" to 13.00".

SHAFT ATTACHMENT

Dodge offers Grid-Lign couplings with a variety of shaft attachment methods: interference fit, Taper-Lock bushed, and clearance fit utilizing two set screws (one over the keyway and a second at 65 degrees for greater holding power).

SHAFT DISTANCES

Available in either close coupled, full spacer, or half spacer configurations through size 1200T, Grid-Lign couplings can fit the needs of a multitude of applications.

QUALITY

Dodge quality is second-to-none. With hubs manufactured from machined steel and grids made from cold-worked alloy and shot peened for additional strength, the Dodge Grid-Lign offers best-in-class performance.

INVENTORY

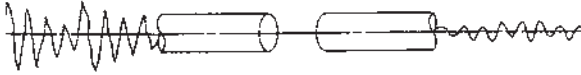
With inventory available through size 1200T, Dodge is able to meet your delivery needs quickly.

SUPPORT

Dodge's engineering service and support personnel are prepared to assist you at any time with your most difficult application challenges.



Vibration Absorption



- The tapered grid element, combined with the contoured hub grooves, transmits torque efficiently while accommodating misalignment and cushioning shock loads
- The grid element is made from high strength steel that is quenched and tempered for long life

Flexible Tapered Element

- Isolates vibration, cushions shock loads
- Allows uniform contact during light, normal and shock loading conditions
- Increases machine life and reliability
- Constructed from tempered spring steel for long life

Interchangeability

- Stock Grid-Lign coupling configurations include standard close-coupled designs with either T10 horizontally split or T20 vertically split covers, as well as T35 half spacers and T31 full spacer designs
- Functionally comparable to other taper grid style couplings

For specific grease recommendations reference MN4001 or contact Dodge C/O Engineering at 864-284-5700.

Grid-Lign

Coupling Size	Maximum Bore		Maximum RPM			Rated Torque Finished Bore	
	Straight Bore		Standard		Spacer	HP/100	(in-lbs)
	STD	Spacer	T10	T20	T31/T35		
1020T	1-3/16	1-7/16	4500	6000	3600	0.73	464
1030T	1-7/16	1-3/4	4500	6000	3600	2.09	1,320
1040T	1-3/4	2-1/2	4500	6000	3600	3.49	2,200
1050T	2	2-3/4	4500	6000	3600	6.11	3,850
1060T	2-1/4	3-1/4	4350	6000	3600	9.60	6,050
1070T	2-11/16	3-3/8	4125	5500	3600	14.0	8,800
1080T	3-1/4	3-3/4	3600	4750	3600	28.8	18,150
1090T	3-3/4	4-1/4	3600	4000	3600	52.4	33,000
1100T	4-1/4	4-3/4	2440	3250	2440	88.1	55,550
1110T	4-5/8	5-1/2	2250	3000	2250	131	82,500
1120T	5-3/8	6-1/8	2025	2700	2025	192	121,000
1130T	6-1/2	6-1/2	1800	2400	1800	279	176,000
1140T	7-1/4	7-1/2	1650	2200	1650	401	253,000
1150T	8	9	1500	2000	1500	559	352,000
1160T	9	10	1350	1750	1350	785	495,000
1170T	10	11-3/4	1225	1600	1225	1,047	660,000
1180T	11	12-1/8	1100	1400	1100	1,452	915,000
1190T	12	13-1/2	1050	1300	1050	1,920	1,210,000
1200T	13	14	900	1100	900	2,618	1,650,000

BALDOR
A MEMBER OF THE ABB GROUP

P.O. Box 2400, Fort Smith, AR 72902-2400 U.S.A., Ph: (1) 479.646.4711, Fax (1) 479.648.5792, International Fax (1) 479.648.5895

Baldor - Dodge

6040 Ponders Court, Greenville, SC 29615-4617 U.S.A., Ph: (1) 864.297.4800, Fax: (1) 864.281.2433

www.baldor.com