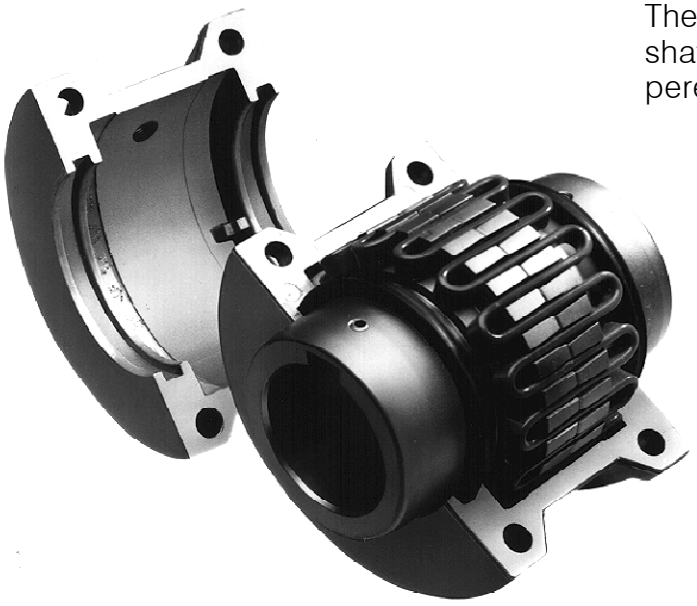
GRID-LIGN



The basic GRID-LIGN coupling consists of two steel shaft hubs, a high strength spring steel tapered grid element, two seals and a cover assembly. Misalignment and end float are accommodated by the sliding action of the grid in the lubricated hub grooves.

Standard GRID-LIGN couplings operate reliably between –35° and +210°F. They can accept angular misalignment to 1/2°, parallel misalignment to .012″ and end float to .375″. Speed capability goes as high as 6000 RPM.

GRID-LIGN couplings can be mounted with TAPER-LOCK bushings on shafts from 1/2″ to 3-15/16″. Straight bore hubs go up to 7″ bore.

Flexible Tapered Element

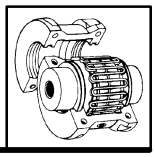
- Isolates vibration, cushions shock loads
- Allows uniform contact during light, normal and shock loading conditions
- Lengthens machine life
- Constructed from tempered spring steel for long life

High Torque Capability

- Torque ranges from 422 to 230,000 in. lbs.
- Steel components allow for compact size

Interchangeability

- Stock GRID-LIGN coupling configurations include the standard full-flex design in vertically or horizontally split covers, half spacers and full spacers
- Interchangeable with other taper grid style couplings

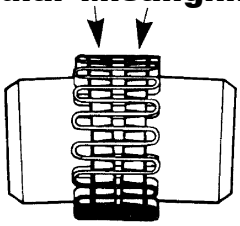


GRID-LIGN

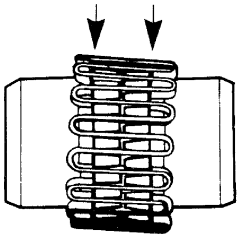
STYLE, SIZES AND RATINGS CHART

Coupling Styles	Number of Sizes	Maximum Ratings		
		Bore	Torque	Speed
T10 Standard Coupling H Cover	13	7.0″	230,000	6000
T20 Standard Coupling V Cover	10	4.5″	75,000	6000
T31 Full Spacer	10	5.5″	75,000	3600
T35 Half Spacer	10	5.5″	75,000	3600

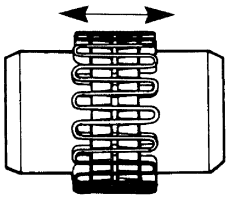
Angular Misalignment

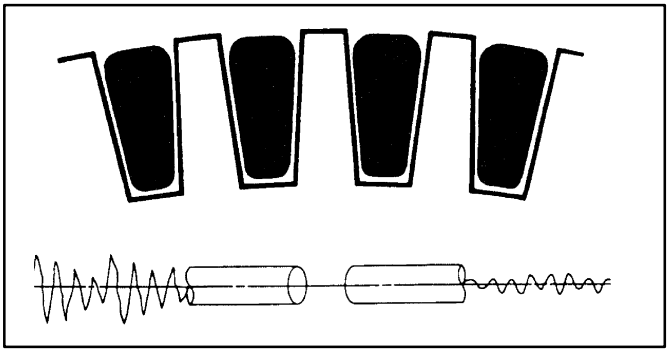


Parallel Misalignment



End Float





TAPERED GRID DESIGN

- Tapered grid element, combined with the contoured hub grooves, transmit torque efficiency while accommodating misalignment and cushioning shock loads
- Grid element made from high strength steel that is quenched and tempered for long life