



## FEATURES/BENEFITS



### 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  $-35^{\circ}$  and  $+210^{\circ}$ F. They can accept angular misalignment to  $1/2^{\circ}$ , 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

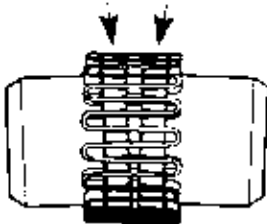


**GRID-LIGN**

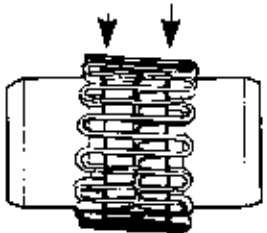
**STYLE, SIZES AND RATINGS CHART**

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	5.0"	75,000	6000
T31 Full Spacer	8	4.25"	30,000	3600
T35 Half Spacer	8	4.25"	30,000	3600

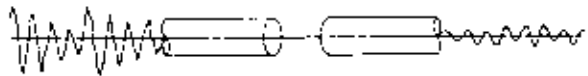
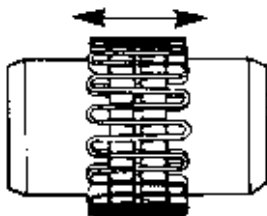
**Angular Misalignment**



**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