# Cooling Tower Composite Couplings

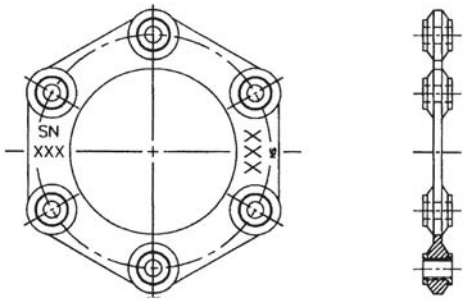
## Cooling Tower Coupling Solutions

Rexnord offers Addax" and Thomas" products to satisfy all your cooling tower coupling needs. Floating shaft couplings are used to connect units which are relatively far apart. Such arrangements are particularly suited to transmit power into areas where moisture, dust or corrosive conditions would adversely affect the driving machinery. Typical applications include cooling tower fan drives, paper machinery, printing presses, pumps and compressors. The Addax composite couplings are designed and manufactured specifically for cooling tower applications. Performance ratings and materials of.. . . . . .

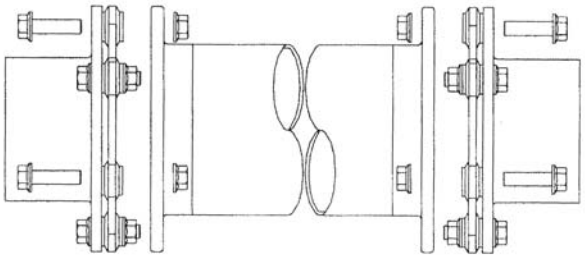
## Addax Composite Couplings

Addax developed and introduced the first all composite coupling in1986 and today there are thousands installed around the world. Designed and manufactured to standards developed for the Aerospace Industry, Addax couplings reflect the latest in advanced composite technology. The use of advanced composite materials allow Addax coupling systems to feature:

- **HIGH MISALIGNMENT TOLERANCE** of one degree per end can be tolerated without damage to the drive shaft or connected equipment bearings. The patented Addax flexible elements are made from high strength composite materials.
- **EXTENDED SINGLE SPANS WITHOUT INTERMEDIATE BEARINGS** can be accommodated which eliminates the need for periodic lubrication and bearing replacement. Addax composite couplings will span about twice the distance of a metal coupling while eliminating the need for intermediate bearings and multiple section drive shafts.
- **LOW WEIGHT** reduces vibration and bearing loads on connected equipment resulting in increased life and a further reduction in maintenance costs. Addax coupling systems are optimized to be the best in the industry.
- **CORROSION RESISTANCE** is a natural attribute. Addax coupling systems are manufactured from advanced composite materials that are extremely corrosion resistant. Metal components are selected to withstand a variety of harsh environments. 316 Stainless Steel hubs and hardware are standard construction




Patented Composite Flexible Element



Full Floating Composite Shaft

Standard construction consists of a flanged composite spacer, patented composite flexible elements, 316 Stainless Steel hubs and 316 Stainless Steel hardware. All couplings are dynamically balanced to meet ANSIIAGMA 9000-C90 (R96), Class 9 specifications. K-500 Monel hardware and other options are available to suit other corrosive environments.

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| PROJECT NAME AND LOCATION: | | | | | |
| MODEL NO. | | | | | |
| DWG NAME: | | | | | |
| DRAWING NUMBER: A-100 | JOB NUMBER: | SHEET: 1 of 1 | REV: 0 | | |
| SCALE: NO SCALE | COMMENTS | | | | |

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GOLDEN, CO 80401
720-746-1234

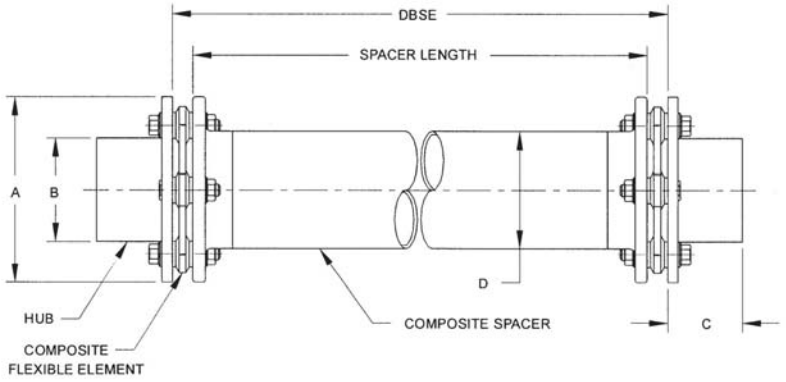
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COOLING TOWER DEPOT
The Depot of All Cooling Towers
www.coolingtowerdepot.com

# Cooling Tower Composite Couplings

| MODEL SERIES | SPACER & FLANGE MATERIAL | MAX DBSE @ 1775 RPM | MAX DBSE@ 1500 RPM | MAX BORE | A | B MAX | C | D | MIN DBSE | MIN BORE |
|---|---|---|---|---|---|---|---|---|---|---|
| PT40 | LRF | 77 / / 956 | 84 / 2134 | 2.13 | 5.25 | 4.0 | 2.6 | 2.75 / 70 | 5.4 | 0.625 |
| | LRH | 102 / 2616 | 112 / 2819 | 54 | 133 | 102 | 66 | | 137 | 16 |
| PT46 | LRF | 77 / 1956 | 84 / 2134 | 2.38 | 5.25 | 4.0 | 2.6 | 2.75 / 70 | 5.4 | 0.625 |
| | LRH | 102 / 2616 | 112 / 2819 | 60 | 133 | 102 | 66 | | 137 | 16 |
| 450.27 | LRF | 77 / / 956 | 84 / 2134 | 3.00 | 5.25 | 4.0 | 2.6 | 2.75 / 70 | 5.4 | 0.625 |
| | LRH | 102 / 2616 | 112 / 2819 | 76 | 133 | 102 | 66 | | 137 | 16 |
| | LRC | 112 / 2845 | 122 / 3099 | | | | | | | |
| 575.425 | LRH | 128 / 3251 | 139 / 3531 | | | | | 4.25 / 108 | 7 | |
| | LRC | 140 / 3556 | 152 / 3861 | 4.01 | 6.75 | 5.25 | 2.75 | | 178 | 1.00 |
| 575.625 | LRH | 156 / 3962 | 170 / 4318 | 101 | 171 | 133 | 70 | 6.25 / 159 | 9.2 | 25 |
| | LRC | 170 / 4318 | 185 / 4699 | | | | | | 234 | |
| 650.425 | LRH | 128 / 3251 | 139 / 3531 | 4.01 | 6.75 | 5.25 | 2.75 | 4.25 / 108 | 7 | 1.00 |
| | LRC | 140 / 3556 | 152 / 3861 | 101 | 171 | 133 | 70 | | 178 | 25 |
| 850.625 | LRH | 156 / 3962 | 170 / 4318 | | | | | 6.25 / 159 | | |
| | LRC | 170 / 4318 | 185 / 4699 | | | | | | | |
| 850.825 | LRH | 179 / 4547 | 195 / 4953 | 5.06 | 9.0 | 5.8 | 3.5 | 8.25 / 210 | 14.2 | 1.00 |
| | LRC | 196 / 4978 | 213 / 5410 | | | | | | 361 | 25 |
| 850.925 | LRC | 208 / 5283 | 225 / 5715 | 128 | 229 | 147 | 90 | 9.25 / 235 | | |
| 850.1125 | LRC | 229 / 5816 | 247 / 6274 | | | | | 11.25 / 286 | | |
| 850.128 | LRC | 244 / 6197 | 263 / 6680 | | | | | 12.75 / 324 | | |
| UNITS OF MEASURE | US | in | in | in | in | in | in | in | in | in |
| | SI | mm | mm | mm | mm | mm | mm | mm | mm | mm |

## Addax Composite Couplings




Models PT 40, PT46, 450.270, 575.425, 650.425, & 850.625

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