Cooling Tower Composite Couplings

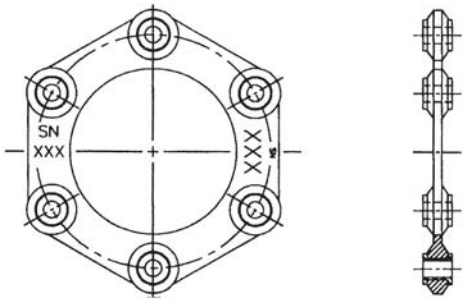
Cooling Tower Coupling Solutions

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.. . . . . .

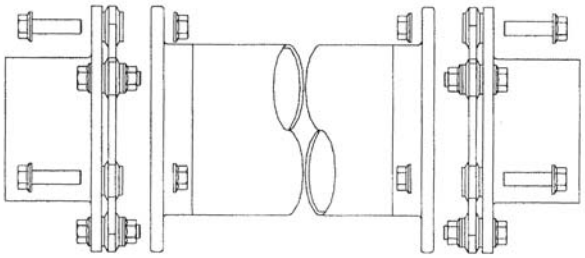
Addax Composite Couplings

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.

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

THIS DRAWING IS THE SOLE PROPERTY OF COOLING TOWER DEPOT INC. USE SHALL BE LIMITED TO THE PROJECT FOR WHICH IT IS INTENDED. NO REPRODUCTION SHALL BE MADE NOR SHALL THIS INFORMATION BE MADE AVAILABLE TO THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT BY COOLING TOWER DEPOT INC. ANY AND ALL PROPRIETARY RIGHTS TO THIS INFORMATION AND DESIGN ARE THE SOLE PROPERTY OF COOLING TOWER DEPOT INC.

REVISIONS

REV.	DESCRIPTION	DESIGNED BY:	CHECKED BY:	APPROVED BY:	DATE:
0					
1					
2					
3					
4					

COOLING TOWER DEPOT, INC
651 CORPORATE CIRCLE, STE. 206
GOLDEN, CO 80401
720-746-1234

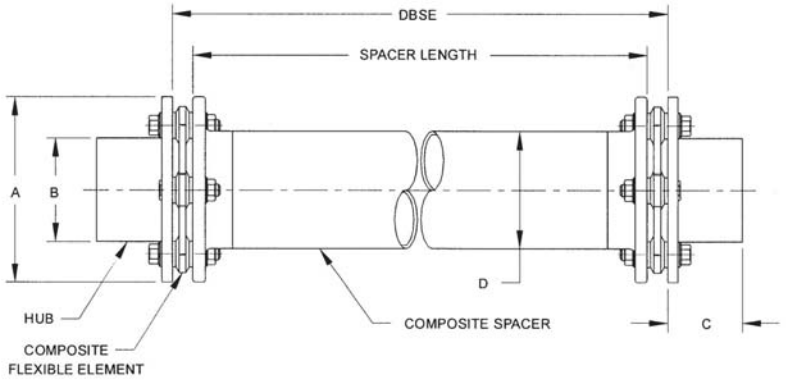
NO SCALE	1 of 1	0	A-100

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

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

THIS DRAWING IS THE SOLE PROPERTY OF COOLING TOWER DEPOT INC. USE SHALL BE LIMITED TO THE PROJECT FOR WHICH IT IS INTENDED. NO REPRODUCTION SHALL BE MADE NOR SHALL THIS INFORMATION BE MADE AVAILABLE TO THIS THIRD PARTIES WITHOUT THE PRIOR WRITTEN CONSENT BY COOLING TOWER DEPOT INC. ANY AND ALL PROPRIETARY RIGHTS TO THIS INFORMATION AND DESIGN ARE THE SOLE PROPERTY OF COOLING TOWER DEPOT INC.

REVISIONS

REV.	DESCRIPTION	DESIGNED BY:	CHECKED BY:	APPROVED BY:	DATE:
0					
1					
2					
3					
4					

COOLING TOWER DEPOT, INC
651 CORPORATE CIRCLE, STE. 206
GOLDEN, CO 80401
720-746-1234

NO SCALE | SHEET 1 of 1 | REV: 0 | DRAWING NUMBER: A-100