

Right-90 Series Features / How to Order

Spiral Bevel Gear

1:1 and 2:1 Ratios

Selection Procedure

Catalog ratings are based on Class I service (uniform—no shock— load, operating no more than 10 hours/day). For applications meeting these conditions selection may be made by comparing the actual load to be transmitted with the appropriate catalog rating. For other conditions selection must be made, based on an equivalent horsepower or torque, obtained by multiplying actual load by the proper service factor.

Selection Procedure:

1. Determine the correct service factor using Applications Classification Chart—Pages 348 & 349. If the application is not listed, obtain service factor from Service Factor Chart, Page 349.
2. Multiply the actual output horsepower or torque by the service factor to obtain the equivalent rating required.
3. Establish input and output speed and/or gear ratio required for the enclosed drive.
4. Selection of all bevel gear drives should be based on Steps 1 through 3 using Selection Chart for desired input and output speeds (including speed increasing drives) that satisfy the required equivalent horsepower or torque.

Reference

Lubrication—Prelubricated for Ambient
Temperature Range of 50° to 125°F.

How to Order

These units may be mounted in any position. When mounting by Flanges only, at least two Flanges must be secured.

TO ORDER: Specify Catalog Number and/or Item Code

EXAMPLE: RA1021 (49420)

Order By Catalog Number or Item Code

2-Way SHAFT		3-Way SHAFT		Ratios
Catalog Number	Item Code	Catalog Number	Item Code	
RA621	49416	RA631	49418	1:1
RA622	49417	RA632	49419	2:1
RA1021	49420	RA1031	49422	1:1
RA1022	49421	RA1032	49423	2:1
RA1521	49424	RA1531	49426	1:1
RA1522	49425	RA1532	49427	2:1

Thrust Load		Overhung Load (No Thrust)
RA6	50 lb max.	25 lb
RA10	100 lb max.	50 lb
RA15	200 lb max.	100 lb