

STOCK SPIRAL BEVEL GEARS

We stock 51 different sets of lapped spiral bevel gears in ratios of 1 to 1, 2 to 1, 3 to 1, 3 to 2 and 4 to 3 and 8 different sets of ground tooth spiral bevel gears in ratios of 1 to 1 and 2 to 1. Should you be unable to satisfy your gear requirements from the selection of stock gears listed in our catalog, please contact us for assistance. We can modify most of our stock gears to your specifications.

Custom Gears

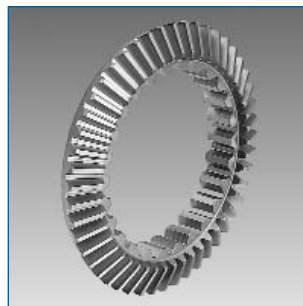
In addition to the stock gears listed in this catalog we manufacture spiral bevel, hypoid, Zerol® bevel, Coniflex® bevel, helical and spur gears, as well as Curvic® couplings to customers' prints and specifications. Please refer to the following chart for the complete range of sizes and capabilities.

TABLE OF CONTENTS

- TYPES OF GEARS AND SIZES 3
- RATING DATA AND SPECIFICATIONS 4
- STANDARD STOCK GEAR SPECIFICATIONS 5-9
- ARROW-STAN® NON-STOCK GEARS 10
- STOCK GROUND TOOTH GEARS 12
- DESIGN CONSIDERATIONS
 - Bearing Loads 14
 - Installation 15
 - Mountings 16
 - Bearing Pattern 18
 - Application 19



Spiral Bevel



Zerol® Bevel



Coniflex® Bevel



Spur

RANGE SIZE AND CAPABILITIES					
Type of Gear	Maximum Pitch Diameter	Diametral Pitch	Face Width	Unground Tooth	Ground Tooth
Spiral Bevel	30"	1.5 - 48	5.0	AGMA 9*	AGMA 13
Zerol® Bevel	22"	1.5 - 48	4.0	AGMA 9*	AGMA 13
Coniflex® Bevel	28"	2.5 - 48	6.0	AGMA 9*	--
Helical	20"	3.0 - 48	13.0	AGMA 9	AGMA 13
Internal Spur	14.5"	3.6 - 48	8.0	AGMA 9	AGMA 13
Internal Spline	14.5"	3.6 - 48	8.0	AGMA 9	AGMA 13
Spur	20"	3.0 - 48	13.0	AGMA 9	AGMA 13
Spline	20"	$\frac{4}{8} - \frac{80}{160}$	13.0	AGMA 9	AGMA 13

*Some Configurations to AGMA Quality Number 10 (lapped).



Helical



Curvic® Coupling