

# CUSTOM GEARS AND POWER TRANSMISSION COMPONENTS



The  
CINCINNATI  
GEAR  
COMPANY

**L**ike Cincinnati Gear Company is recognized as a technology and quality leader in the gear manufacturing industry. The manufacturing and fabrication capabilities include items of heavy flow that just aren't done just anywhere. Cincinnati Gear has developed extensive manufacturing capabilities, providing our customers with high quality, cost effective components for a wide range of power transmission requirements. These capabilities make Cincinnati Gear

an excellent choice for producing your power transmission components.

We welcome the opportunity to work with you on your next application.



30" dia. 100 mm  
100 mm dia.

## CUSTOM GEARS & POWER TRANSMISSION COMPONENTS



10000 rpm gear set, complete



### Gear Manufacturing Capabilities

Description	Relative Dimension Measurement		Face & W.D. Measurement Method
	Inches	mm	
<b>Gear Hobbing &amp; Cutting</b>			
... Spur Gears	18"	5,000	3"
... Helical Gears	18"	5,000	3"
... Bevel/Helical Gears	18"	5,000	3"
... Worm Gears	18"	5,000	3/4"
... Worm Gears	18"	5,000	1"
... Worms	12"	3,000	3/4"
<b>Gear Shaving</b>	21"	5,000	3/4"
<b>Gear Grinding</b>	18"	5,000	3/4"
<b>Gear Impregnation</b>			
... Steel	18"	5,000	3"
... Inconel	18"	5,000	3"
... Free Form	18"	5,000	3"
... Approx. 200 Mesh	18"	5,000	3"
... 1000 Mesh Bevel	18"	5,000	3"

As the gear industry's premier gear manufacturer, Cincinnati Gear Company is the industry leader in gear manufacturing. We are currently accepting inquiries for new applications. Please contact us today.

10000 rpm gear set, complete. © Cincinnati Gear Company

## EPC, Accurate Wireless Process Monitors for New Process Manufacturers

As Wireless  
Control Co.  
Expands Its  
Processes



High-Speed Valve  
of an Air Valve

### The Standard Steel Shipping

Size	Standard Pack Quantity	Module Quantity	Density		Weight Measurement	
			kg/m <sup>3</sup>	lb/ft <sup>3</sup>	Pounds	Kilograms
1.00	20	20	97	6	19,000	8,600
1.00	20	20	97	6	19,000	8,600
1.00	20	20	97	6	19,000	8,600
2.00	20	20	97	6	19,000	8,600
3.00	20	20	97	6	19,000	8,600
4.00	20	20	97	6	19,000	8,600
5.00	20	20	97	6	19,000	8,600
6.00	20	20	97	6	19,000	8,600
7.00	20	20	97	6	19,000	8,600
8.00	20	20	97	6	19,000	8,600
9.00	20	20	97	6	19,000	8,600
10.00	20	20	97	6	19,000	8,600

## HEAT TREATING

Description	Unit
Tempering, Grinding	lb
Boring / Milling of Boreings	in
Heat Treating	
Calibrating and finishing	lb
Grinding	in
Heat Treatment	lb
Grain Refining	lb
Metallography	lb

• Manufactured from an  
industry standard 4140  
steel. Compatible with  
most gear add-on

• All Pin Gear Custom Features  
Manufactured in their  
Lowest Dimension



500 00 100000 100 000



500 00 100000 100 000

• Add Custom Features  
on Gear

## GEAR DIMENSIONS

Pin-Driven Gear Types

Pitch	Diameter (Minimum)		Overall Length (L)		Overall Height (T)		Overall Depth (D)		Weight (Minimum)	
	inches	mm	inches	mm	inches	mm	inches	mm	Pounds	Kilograms
100	4.125	105	4.000	101.6	1.125	28.575	1.000	25.400	0.0100	0.0045
500	4.125	105	4.000	101.6	1.125	28.575	1.000	25.400	0.0100	0.0045

100	Micro-Machining, Surface Finish or Size	Heat Treating
500	Pin-Drilling	Grinding
500	Pin-Boasting	Plunge Grinding
500	Forming	Normalizing
500	Heat Treating	Shot-Bore Treatment

Pin Gear



# MANUFACTURING CAPABILITIES

- Grinding and Cutting
- Tooth Grinding
- Turning
- Drilling
- Milling and Drilling
- Broaching
- Oil-Membrane Grinding
- Welding
- Forming and Wire Process Works
- Die Casting
- Die Milling
- Specialty Welding
- Heat Treating

