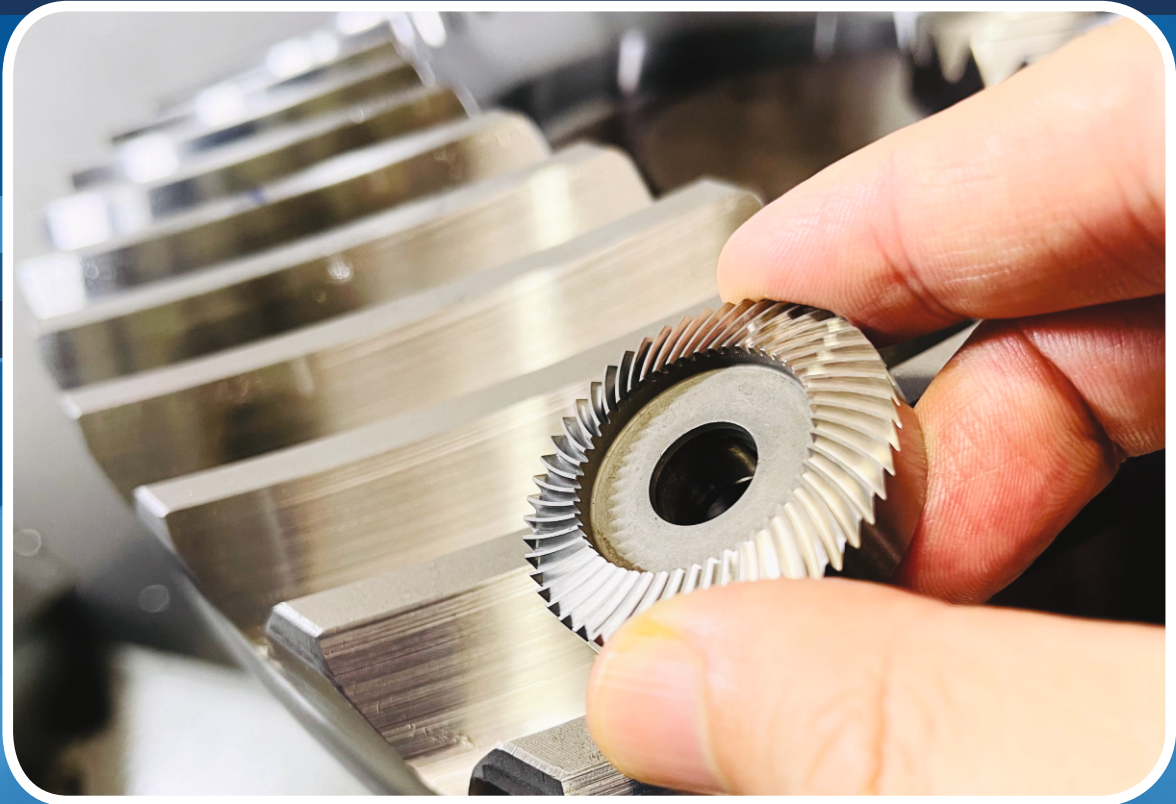




Bevel Gears (India) Pvt. Ltd.

For the widest range of Bevel Gears...
...From 5 mm to 1,800 mm



Gears for Pragyan Moon Rover Transmission



Bevel Gears with CNC Technology Solutions

◦ CNC Programming ◦ CNC Bevel Grinding ◦ CNC Gear Inspection

Company Profile

With 49 years of experience BGI uses the latest CNC bevel gear technology including CNC Phoenix and Oerlikon grinders or 5-axis milling options for the entire range of bevel - ground or lapped spirals, straight bevels, zerols, angular bevels, hypoids and curvics. Uniquely, we offer high ratio hypoids (HRH ®) and CNC STRAIGHT BEVEL GRINDING.

BGI also offers standard and custom bevel gearboxes.

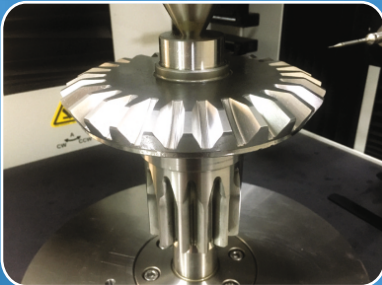
Manufactured to DIN and AGMA standards using the Gleason or Klingelnberg system, customers are invited to leverage our capabilities to develop the gearing solutions they need for demanding applications.

Unique Bevel Gear Expertise at One Facility

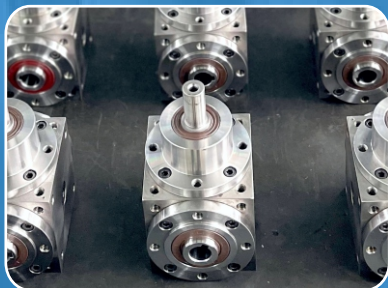
Category	Lapped (mm)	Ground (mm)
Gleason Spiral or Hypoids	1,800	800
Klingelnberg Spiral or Hypoids	1,800	800
Straight Bevels	1,800	300
Helical / Skew Bevel	1,000	-

Unique Capabilities

CNC STRAIGHT Bevel Grinding



Custom and
Stock Bevel Gearboxes



Reverse Engineering



CNC Curvic Coupling Grinding



High Ratio Hypoid



Surface Treatments

- Copper Plating
- Nickel Electroplating
- Silver Plating
- CNC Shot Peening
- Isotropic Finishing
- DLC Coating

CNC Spiral Bevel Grinding, CNC Measuring, CNC Corrections

THE GLEASON WORKS
Division of Gleason Corporation
DPLX HELICAL SPIRAL BEVEL DIMENSIONS NO. M S115
Summary Number: S115

	PINION	GEAR
NUMBER OF TEETH	25	37
PART NUMBER		OUTSIDE
MODULE	9.770	PITCH
FACE WIDTH	65.80	65.80
PRESSURE ANGLE - PIN CONCAVE	200 OM	OUTER
PRESSURE ANGLE - PIN CONVEX	200 OM	MEAN
SHAFT ANGLE	90D OM	INNER
TRANSVERSE CONTACT RATIO		1.266
FACE CONTACT RATIO		1.785
MODIFIED CONTACT RATIO		2.188
OUTER CONE DISTANCE		218.14
MEAN CONE DISTANCE		185.24
PITCH DIAMETER	244.25	361.49
CIRCULAR PITCH	30.49	INNER
WORKING DEPTH	15.97	HAND
ADDENDUM	18.01	DRIVE
CLEARANCE	2.04	2.04
ADDENDUM	10.49	5.49
GEAR	7.52	12.52
GEOMETRICAL CUTTER RADIUS		GEAR

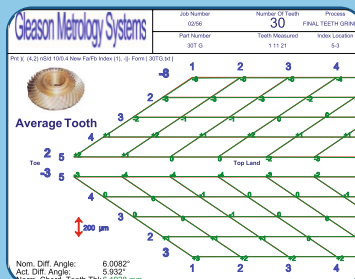
Gear Design with Gleason Software



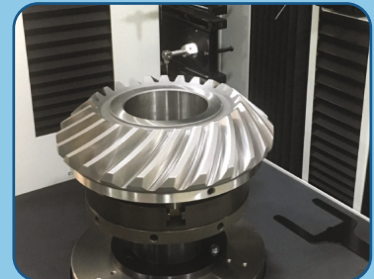
CNC Spiral Grinding



Finished, Measured Parts



CNC Results and Corrections



Gleason CNC Gear Measurement

Equipment



Oerlikon CNC Dry Cutting



3 x CNC Gleason 1000HC



DMG 210P 5-Axis



Gleason Phoenix CNC Grinder



Oerlikon G27 CNC Grinder



Oerlikon G60 CNC Grinder



CNC Gear Measurement



Fanuc CNC Wirecut



Zeiss Prismo CMM

Applications

AERO ENGINE



CRUSHING



MACHINE TOOLS



MOTORSPORT



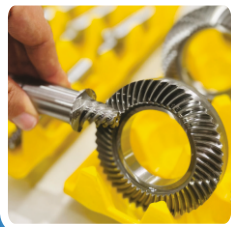
GEARBOXES



RAIL



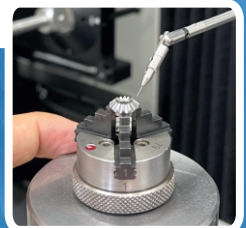
ROBOTICS



MINING



INSTRUMENTATION



- Live Tooling
- Marine
- Air Pre-Heater
- Cooling Towers

- Historic Racing
- Forklifts
- Packaging
- Optics

- Air Preheaters
- Off-highway Vehicle
- Cement Mills
- Paper Pulpers



Bevel Gears (India) Pvt. Ltd.

ISO 9001:2015 Certified



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GROUP OF COMPANIES