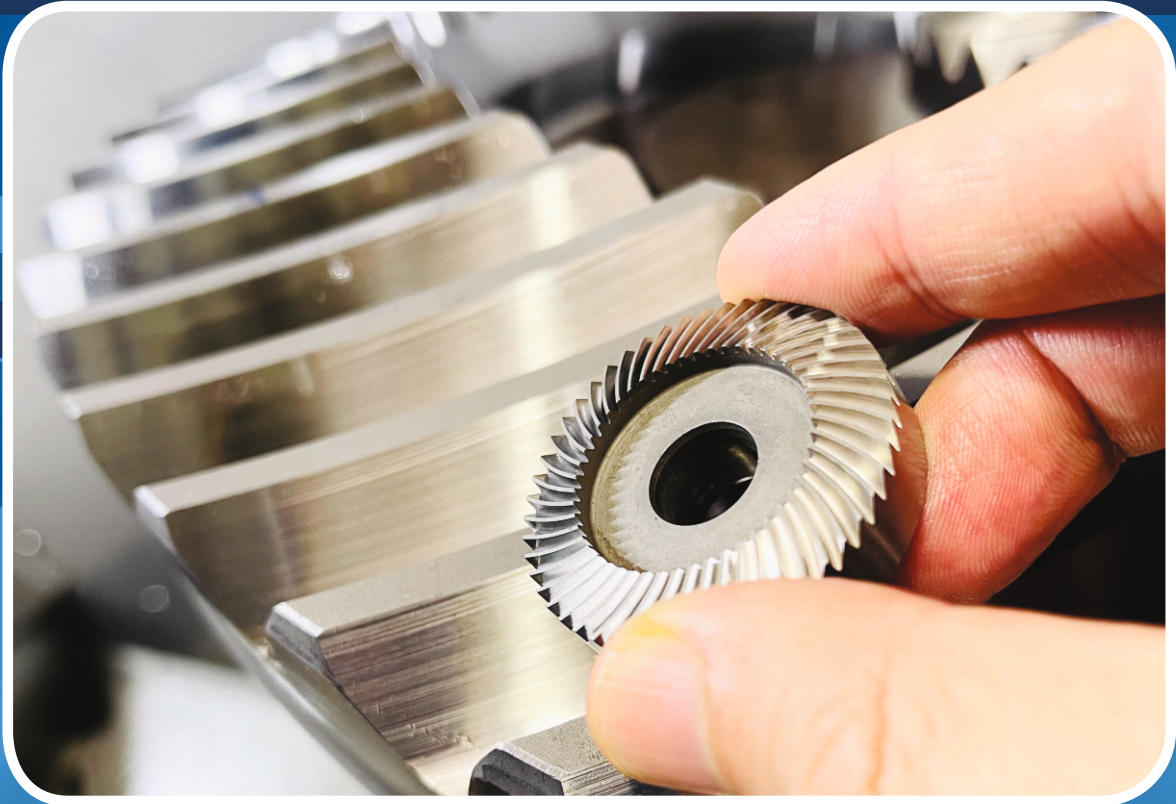




Bevel Gears (India) Pvt. Ltd.

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.

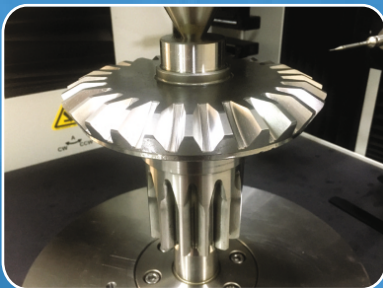
Manufactured to DIN and AGMA standards using the Gleason or Klingelnberg system, customers are invited to leverage our capabilities to develop the gearing solutions they need for demanding applications.

Unique Bevel Gear Expertise at One Facility

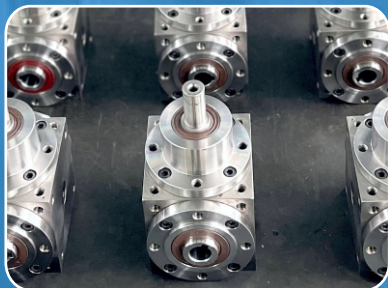
Category	Lapped (mm)	Ground (mm)
Gleason Spiral or Hypoids	1,800	800
Klingelnberg Spiral or Hypoids	1,800	800
Straight Bevels	1,800	300
Helical / Skew Bevel	1,000	-

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 5115
Summary Number: 5115

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

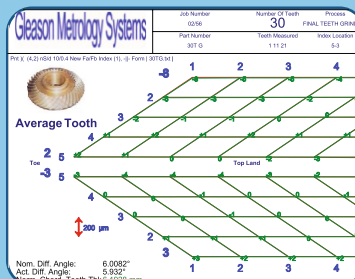
Gear Design with Gleason Software



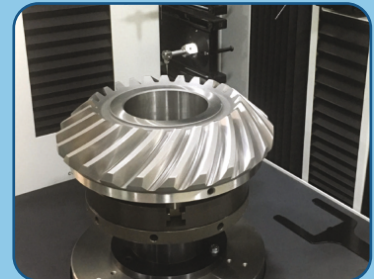
CNC Spiral Grinding



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



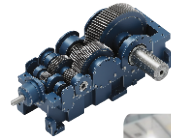
MACHINE TOOLS



MOTORSPORT



GEARBOXES



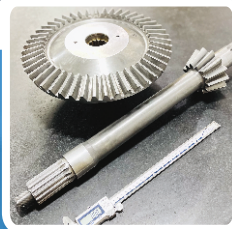
RAIL



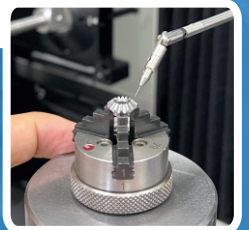
ROBOTICS



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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jamal
GROUP OF COMPANIES