# Elecon Spiral Bevel Gears




## We have three Spiral Bevel Gear generating machines.

**Following are the special features and range:**

- Spiral Bevel gear / pinion sets are manufactured according to Klingelnberg, Cyclo-Palloid Geometry
- Material of construction is 18CrNiMo7-6 as per EN 10084.
- Gears are Case Carburised and Hardened to the surface hardness of RC 60 ± 2
- Gears are finished by Hard Cutting – HPGS with Quality class up to DIN 5 / AGMA 13

- **Capacity :**

  Module: 1.2 to 15.5

  Max. Outer Diameter: 1,100 mm

- **Advantage of Hard Cut Spiral Bevel Pair**
  - Surface finish and geometry as well as profile is improved as Hard Cutting process removes distortion errors of hardening
  - Contact Pattern is increased which in turn reduce Noise and Vibration level
  - Gear Life is increased

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# QUESTIONNAIRE FOR SPIRAL BEVEL PAIRS

| | | |
|---|---|---|
| 1 | Tooth Profile - Straight / Spiral Teeth | |
| 2 | Manufacturing system - Cyclopalloid / Gleason / Other | |
| 3 | No. of teeth of Pinion and Gear Wheel | |
| 4 | Normal Module / Diametral Pitch | |
| 5 | Pitch Diameter - Pinion & Wheel | |
| 6 | Tooth Face width - Pinion / Wheel | |
| 7 | Pressure Angle | |
| 8 | Hand Of Spiral | |
| 9 | Spiral Angle | |
| 10 | Pitch Cone Angle | |
| 11 | Face Angle - Pinion & Wheel | |
| 12 | Shaft Angle | |
| 13 | Quality Class - DIN / AGMA | |
| | **QUESTIONNAIRE FOR SPIRAL BEVEL PAIRS** | |
| 14 | Material of Pinion and Gear wheel | |
| 15 | Teeth hardness/Core Hardness-Pinion / Wheel | |
| 16 | Drg. of Pinion, If available, please attach | |
| 17 | Drg. of Gear wheel, If available, please attach | |
| 18 | Present quantity requirement | |
| 19 | Total annual quantity requirement | |
| 20 | Any other informations, if you consider important for us to know before quoting | |
| | **CONTACT DETAILS** | |
| | Name of the Company | |
| | Address | |
| | Name of concerned Executive | |
| | Mobile no. | |
| | E mail address | |
| | Telephone no. (Land Line) | |
| | Fax No. | |

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Manufactured by:
**ELECON ENGINEERING CO. LTD.**
Post Box # 6, Anand - Sojitra Road, Vallabh Vidyanagar - 388 120, Gujarat, INDIA
**Tele.** : +91 91 2692 236 469 / 236 513, Fax : +91 2692 227 484 **E-mail :** infogear@elecon.com
**Website** : www.elecon.com | CIN L29259GJ1960PLC001082

For information