

Helical Gears for Heavy-Duty Truck Transmissions



Made for heavy loads—helps trucks run smoothly and last longer on the road.



ISO 1328 Grade 6-8
Hardness HRC 58-52



OEM / DFM Support



Superior Meshing Stability

Controlled lead and tooth profile for lower vibration, lower noise, and more stable meshing.



Enhanced Material Durability

Heat-treated steel options for higher wear resistance, fatigue strength, and service life.



Transparent Quality Traceability

Inspection reports support quality records and batch traceability.

| Item | Specification | Typical | Notes |
|----------------|--|--------------------|------------|
| Module | 1 - 5 | 2 - 4 | As drawing |
| Pressure Angle | 15 – 25° | 20° | As drawing |
| Process | Broaching / Grinding / Hobbing / Shaping / Shaving / Milling / Forging | Grinding / Shaping | As drawing |
| Materials | 20CrMnTi / 8620H / 20CrMo / 40Cr / 42CrMo / 45#steel / Others | 20CrMnTi | As drawing |
| Heat Treatment | Carburized & Quenched / Q&T / Nitrided | Carburized | As drawing |



Drawing Review:
Fast response & DFM feedback to evaluate manufacturability.



Process Recommendation:
Optimization of manufacturing routes based on requirements.



Prototype to Production:
From single sample to mass production lots, Meet the demands.



Final QC & Export:
Export-ready packaging and full QC documentation.

Ready to custom your Truck gear ?
Send your drawing a quick evaluation

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