

Dry Cutting Gear Hob

Dry cutting gear hobs are specialized cutting tools engineered for creating gears and splines without the need for coolants. These hobs feature a cylindrical body with helically arranged cutting teeth, optimized for efficient chip removal and precise cuts.



ADDITIONAL IMAGES



Product Overview

High-Performance Dry Cutting Gear Hobs

These specialized gear hobs are engineered for dry machining applications, eliminating the need for external coolants and lubricants. Constructed from high-speed steel, the cylindrical body features multiple rows of helical cutting teeth designed for maximum durability and precision. The advanced design ensures efficient chip removal and reduced heat generation, resulting in an extended tool life and superior surface finish for gear and spline cutting operations.

Technical Specifications

Standards

DIN 3968 • GB/T 6084

Module Range

m1.0 – m6

Accuracy Grade

AA, A

Performance Features

Performance Highlights

0 None

Coolant Required

Key Benefits

- Eliminates need for coolants and lubricants
- Efficient chip removal design
- Reduced heat generation during operation
- Extended tool life and durability
- Improved surface finish on workpieces

Applications

Target Industries

- Automotive
- Aerospace
- General Manufacturing

Suitable Operations

Gear Cutting, Spline Cutting, Form-Cutting

Material & Construction

Tool Material

High-Speed Steel (HSS) / Carbide

Body Geometry

Cylindrical with helical teeth