



Ultra High Precise Carbide Hobs for Dry Hobbing / High Speed Hobbing / Hard Hobbing

Outline

Ogasawara Hobs are known for consistent performance! Our exclusive class AAA Hobs are finished with CNC Hob Grinding Machines developed by Ogasawara Precision Lab., Ltd.

You are able to realize the same level of gear accuracy as grinding with Dry / High speed / Hard Hobbing under optimum machine conditions, and with our extraordinary precise hobs.

Hobbing Examples

Dry Hobbing

Hob speed
: Approx. 500m/min max (1640 sfm)
Hob surface treatment
: Coating TiAlN, TiN, AlTiN, etc...

High Speed Hobbing / Wet

Hob speed
: Approx. 350m/min max (1150 sfm)
Hob surface treatment
: Coating TiN, TiCN, TiAlN, etc...

Hard Hobbing / Dry or Wet

Hobbing method
: Hard Solid Hobbing / Heat treated
Hard Re-Hobbing / Heat treated after rough
hobbing
Material hardness
: Approx. HRC 60 max.
Hob surface treatment
: Coating TiN, TiCN, TiAlN, etc...

Hob Specification Range

Module (DP)
: 0.05 ~ 2.5mm (10 ~ 500DP)
Size
: Outside Dia. ϕ 10 ~ ϕ 150mm (ϕ 0.4" ~ ϕ 6.0")
Length 8 ~ 200mm (0.3" ~ 7.9")
Accuracy class
: A / AA / AAA
(will meet the demand for higher accuracy)

Technical Support

Hobbing method / technique for Dry / High Speed / Hardened Material
Tooth form analysis, design of special tooth form etc...
Design and supply high rigidity / high accuracy hob arbors, spindles and work chucking.
We support production of special gears, "gear like" parts and ultra precise parts.

