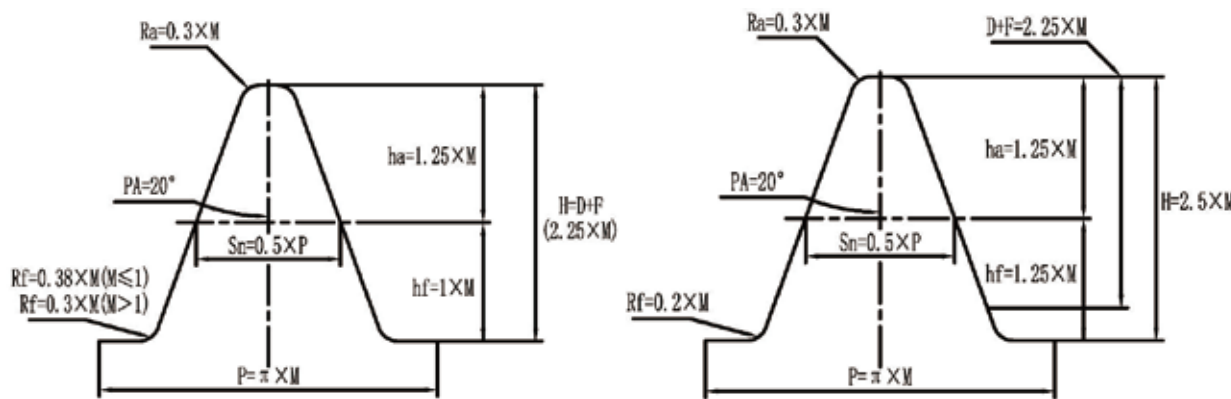




Standard & Non-Standard Profile

标准齿形及非标齿形设计



Standard Topping Normal Direction Profile
"TOP" Tag, Allowance shall be reserved for the outer diameter, and the outer diameter shall be cut by the hob.

Standard Non-Topping Normal Direction Profile
"N-TOP" Tag, Gear hobbing shall be carried out after the outer diameter is processed in place, and the hob shall not cut the outer diameter.

Carbide Hob Tools



Tooth Customization	Pregrinding Hob	Preshaving Hob	Modified Hob	Chamfering Hob
Profile				
Tooth Customization	Timing Pulley Hob	Rectangular Spline Hob	Triangular Spline Hob	Double Pressure Angle Worm/Ratchet Hob
Profile				

High Speed STS Dry Cutting Hob-K44 Series

K44系高速软齿面千切滚刀

- .Konrad Friedrichs sid cemented carbide imported from Germany
- .Bore Type Hob,BALINIT®ALCRONA PRO Coating
- .The high-speed gear hobbing, High efficient optimal selection
- .Recommended linear speed 150m/min-300m/min
- .Recommended hob feed 0.5-0.8mm/r
- .Dry and oil cooling cutting ervironment
- .Recommended hardnessof processed material $\leq$ HRC45°
- .Accuracy class DINAA、DINAAAφ



Specification-overall dimensions			Surface Treatment
Exteral Diameter	Intemal Diameter	Length	
Unit(mm)	Unit(mm)	Unit(mm)	
$\leq \phi 25$	$\phi 8$	$\leq L30$	Cleaning-Sandblasting Edge Passivation PVD Coating
$\phi 25$	$\phi 10、\phi 13$	$\leq L50$	
$\phi 28-\phi 40$	$\phi 13$	$\leq L60$	
$\phi 40$	$\phi 16$	$\leq L80$	

* $\phi 32 \times \phi 13 \times L50$ is the most conventional overall dimension

High Speed HTS Cutting Hob-G50/G55 Series

G50/G55系列高速硬齿面切削滚刀

- .Konrad Friedrichs solid cemented carbide imported from Germany
- .Bore Type Hob,BALINIT®ALTESA Coating
- .The high-speed gear hobbing,High Hardness optimal selection
- .Recommended linear speed 150m/min-220m/min
- .Recommended hob feed 0.15-0.35mm/r
- .Oil cooling cutting environment
- .Recommended hardness of processed material from HRC45°to HRC62°
(Secondary fine hobbing is recommended for HRC56° to HRC62°)
- .Accuracy class DINAA、DINAAA



Specification-overall dimensions			Surface Treatment
Exteral Diameter	Intemal Diameter	Length	
Unit(mm)	Unit(mm)	Unit(mm)	
$\leq \phi 25$	$\phi 8$	$\leq L30$	Cleaning-Sandblasting Edge Passivation PVD Coating
$\phi 25$	$\phi 10、\phi 13$	$\leq L50$	
$\phi 28-\phi 40$	$\phi 13$	$\leq L60$	
$\phi 40$	$\phi 16$	$\leq L80$	
Other customized large size dimensions are used for hard cutting			

* $\phi 32 \times \phi 13 \times L50$ is the most conventional overall dimension

Low Speed STS Oil-Cooling Cutting Hob -N218/N318 Series-

N218/N318系列低速软齿面油切滚刀

- .Ordinary tungsten alloy die casting
- .Bore Type Hob,BALINIT®ALCRONA PRO Coating
- .Slow traditional hobbing machine can be used
- High-speed hobbing machine can also be used
- .Recommended linear speed 60m/min-150m/min
- .Recommended hob feed 0.3-0.8mm/r
- .Oil cooling cutting environment
- .Recommended hardness of processed material $\leq$ HRC30°
- .Accuracy class DINA、DINAA



Specification-overall dimensions			Surface Treatment
Exteral Diameter	Intemal Diameter	Length	
Unit(mm)	Unit(mm)	Unit(mm)	
$\leq \phi 25$	$\phi 8、\phi 10$	$\leq L30$	Cleaning-Sandblasting Edge Passivation PVD Coating
$\phi 25$	$\phi 8、\phi 10、\phi 13$	$\leq L30$	
$\phi 28-\phi 40$	$\phi 10、\phi 13$	$\leq L30$	

* $\phi 32 \times \phi 13 \times L25$ and $\phi 32 \times \phi 13 \times L30$ is the most conventional overall dimension

High Speed STS Oil-Cooling Cutting Hob -K40/K42 Series-

K40/K42系列高速软齿面油切滚刀

- .Cold heading die-casting tungsten cobalt alloy
- .Bore Type Hob,BALINIT®ALCRONA PRO Coating
- .The high-speed gear hobbing ,Large size optimal selection
- .Recommended linear speed 150m/min-200m/min
- .Recommended hob feed 0.5-0.8mm/r
- .Oil cooling cutting environment
- .Recommended hardness of processed material $\leq$ HRC40"
- .Acouracy class DINAA、DNAA



Specification-overall dimensions			Surface Treatment
Exteral Diameter	Intemal Diameter	Length	
Unit(mm)	Unit(mm)	Unit(mm)	
$\phi 25-\phi 40$	$\phi 13$	$\leq L50$	Cleaning-Sandblasting Edge Passivation PVD Coating
$\phi 40-\phi 50$	$\phi 16$	$\leq L80$	
$\phi 50-\phi 70$	$\phi 22$	$\leq L80$	
$\phi 50-\phi 80$	$\phi 27$	$\leq L80$	
$\phi 60-\phi 95$	$\phi 32$	$\leq L80$	
$\phi 75-\phi 95$	$\phi 40$	$\leq L80$	

*Large siza customized overall dimension