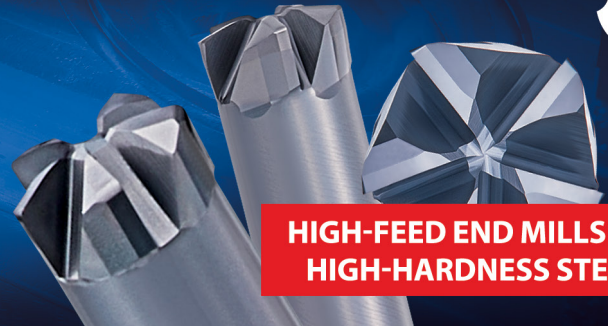




A
The A Brand **A Brand AE-HFE-H**

Features & Benefits

- **Composite Radius Shape** flat surface machining
- **2-Stage Gashing** for increased cutting edge strength and improved chip evacuation.
- **Variable Indexing** suppresses chattering for stable machining
- **DUOREY Coating** for outstanding performance

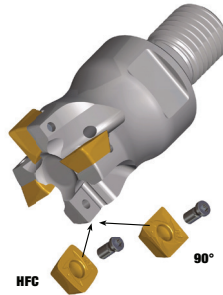


HIGH-FEED END MILLS FOR HIGH-HARDNESS STEELS

ph HORN ph DELTatec 90P Feed Multifunctional **boehlerit**

SPECIAL FEATURES: MILLING HFC

- Multifunctional tool system for highest productivity
- > 1 basic body for 2 machining operations = multifunctional
 - > Facilitation of storage and tool purchase through less articles
 - > 4 real usable cutting edges
 - > Smooth cut also on full groove due to perfect coordinated milling geometry
 - > Optimal consumption of the axial cutting forces due to special layout of the radii on the cutting edge
 - > Highest tooth feed (up to fz = 3.0 mm with SDMT 18)
 - > Screw on type milling cutter in combination with solid carbide extensions minimize vibrations on overhangs up to 300 mm
 - > High cutting volume also on small tool diameter



SPECIAL FEATURES: MILLING 90°

- > Exactly 90° on 4 cutting edges up to 1/2 cutting edge length on all diameter
- > Smooth cut due to positive basic geometry
- > Unequal division leads to reduction of vibration and extremely smooth running
- > Maximum productivity increase due to high metal removal per cutting edge
- > Process security due to non problematic wear behaviour and stabilisation of the cutting edge through special insert geometry

SPECIAL OFFER
\$1740 U.S.D

BIG KAISER EWN2-152 FINE BORING SET

Achieve high-performance accuracy with a guaranteed precision of .00005". This kit effortlessly covers a wide range of diameters from Ø.701" to 2.126". Don't miss out on this limited time offer to streamline your machining processes.

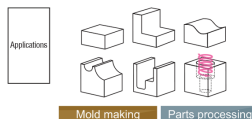
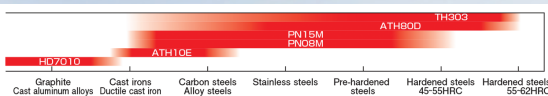


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bigdaishowa.com > special offers



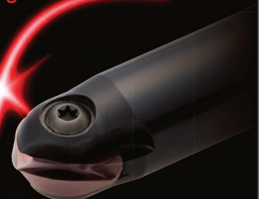
ABPF type INDEXABLE BALL END MILL FOR FINISHING

Increased cutting performance due to S-shaped cutting edge!
High helix shape provides an improved surface finish.
Insert for high-accuracy machining reduces chatter on corners.



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Introducing 6 Modular Mill Type with Air hole items!





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5-AXIS VISES



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ENGRAVING Starter Kit

Angle	Code	Parts No.	Shank Ø	Insert included	SALE Price
45°	691201-4501	00-99619-V045-03K-71	6	V04506T1W06-NC2071	\$199.02
	691201-4502	00-99619-V045-03K-32		V04506T1W06-NC2032	\$209.22
	691201-4504	00-99619-V045-03K-31		V04506T1W06-NC9031	\$209.22
60°	692201-6001	00-99619-V060-03K-71	6	V06006T1W06-NC2071	\$199.02
	692201-6002	00-99619-V060-03K-32		V06006T1W06-NC2032	\$209.22
	692201-6003	00-99619-V060-03K-35		V06006T1W06-NC2035	\$225.81
	692201-6004	00-99619-V060-03K-31		V06006T1W06-NC9031	\$209.22

**** Promotion Prices Valid Through December 31, 2024**

CONTENT
1 x Holder
1 x T7 Key
3 x Inserts



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KENNAMETAL IMPROVE YOUR MACHINING WITH DRILL FIX PRO™

Buy any 10 Inboard and 10 Outboard Inserts, Get the body* FREE with **PROMO CODE CSS**

VALID FOR ALL GEOMETRIES AND GRADES, INCLUDING THE KCMS35 AND KCMS40

Applications



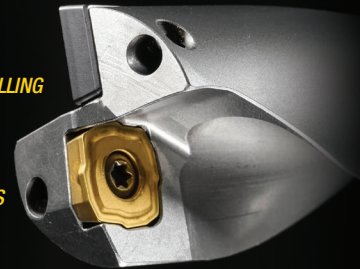
*PROMOTION ONLY APPLIES TO ADVERTISED MATERIAL NUMBERS.

COST-EFFECTIVE & VERSATILE INDEXABLE DRILLING

ROBUST TOOLHOLDER DESIGN

WIPER GEOMETRY ON ALL OUTBOARD INSERTS

OPTIMIZED COOLANT DELIVERY SYSTEM



HIGH PERFORMANCE OVERSIZE H-LIMIT TAPS FOR HEAT TREATED AND PLATED PARTS



After heat treatment the material/threads shrink undersize. Use the larger H-limit tap to eliminate chasing hardened part threads. To accommodate post machining plating thickness, use the oversize H-limit taps.



- > Spiral point & spiral flute UNC & UNF #4 - 3/4"
- > Spiral point & spiral flute metric M2-M24
- > High performance geometry for steels, tool steels and stainless steel.
- > Ex-stock USA

Chart 3 - Relationship between P.D. and H-Limits

BASIC PITCH DIAMETER	H1 Basic +.0005	H2 Basic +.0005 +.0010	H3 Basic +.0010 +.0015	H4 Basic +.0015 +.0020	H5 Basic +.0020 +.0025	H6 Basic +.0025 +.0030
10	10	10	10	10	10	10

For taps 0-80 through 1" diameter

Versatile solid carbide drills with TIN TIP

FEATURES AND BENEFITS

Specifically designed four facet split point provides excellent self-centering

Titanium Nitride (TiN) tip coating on only the cutting action part of the drill.

CTW grinding technology provides Continuously Thinned Web along the entire flute length.

Balanced combination of flute geometry and 120° point angle for broader application range

- ▶ **REDUCED THRUST FORCE** eases the operation whilst maintaining precision.
- ▶ **EXTENDED AND CONSISTENT TOOL LIFE** provides cost-effective reliability.
- ▶ **MULTIPLE REGRINDING POSSIBLE** without loss of chip evacuation performance.
- ▶ **VERSATILE USAGE** on both CNC and conventional machines.



R003



R023

- Solid carbide jobber drill
- Versatile, cost-effective
- Imperial range: N60 - 1/2"
- Metric range: 1 - 14 mm

- Solid carbide stub drill
- Versatile, cost-effective
- Metric range: 1 - 12 mm

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RF 100
5&7-Speed

- // high-performance roughing even at high cutting depths
- // maximum feed rates for large metal removal rates
- // highly dynamic milling in tough stainless steels, special alloys and a wide variety of steel and cast iron grades



a_s <10% **M S** RF 100 5 Speed

Applicable in all tough materials up to 34HRc. Ramping up to 10°, slotting with cutting depths up to 1 x D, helical milling.

a_s <8% **M S** RF 100 7 Speed

Applicable in all tough materials up to 1200N/mm². Helical milling up to 0.05 x D a_p infeeds per cycle.





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Helical Flute

- Multi-functional tool
- With 3 or 5 helical flutes
- Taper angle 60°, 82°, 90°, or 120°
- Helical cutting edge design for higher shearing action
- Increased tool life and vibration dampening
- Feed forces are reduced compared to straight edge chamfer mills
- Excellent choice for countersink operations
- Solid carbide substrate material
- Straight shank ground to h6 tolerance

Applications

- Ideal for most materials
- For materials with a tensile strength of up to 1400 N/mm²

Introducing New Helical Chamfer Mills



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Choose from any ISO Negative Kenloc™ and ISO Positive Screw-on inserts in KCP25C, KCU10B or KCS10B grades.



KCP25C

- Features next generation KENGGold™ CVD coating technology
- Engineered with uniform coating layers for increased speed
- Longer tool life with improved edge toughness, abrasion and chipping resistance
- Designed with gold flank for maximum wear identification
- Ideal for machining steel in a wide range of turning application

KCP25C

- KCS10B features High-PIMS PVD coating technology
- Excellent coating adhesion on sharp edges for maximum performance
- High depth-of-cut notching resistance for long tool life and less downtime
- Increased speed in medium machining and finishing operations of high-temperature alloys

KCU10B

- Features the KENGGold PVD multilayer coating technology
- Provides great thermal resistance for higher speed and productivity
- Delivers superior resistance to chipping and flank wear for extended tool life
- Engineered with a gold coating for easy wear identification and reduced waste
- Change your materials, not your tools with this Universal turning grade

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