

# Pins, Sleeves and Blades

## For Injection Molding & Die Casting



### A wide range of regional pins, sleeves and blades

#### EX Type Ejector Pins

- Precision made of superior quality H13 type thermal shock resisting hotwork die steel
- Hot-forged heads provide uniform grain flow, higher tensile strength
- Core hardness 40-45 HRC
- Outside diameter nitrided to 65-74 HRC hardness and finished to minimize wear
- Heads annealed for easy machining
- Centerless ground D diameter
- Diameters- 1/32" to 1".
- Lengths - 6" to 45"

#### EXK Type Keyed Ejector Pins

All the same great features of the standard EX pins with the addition of a precision-machined flat on head to keep pins from rotating.

- Diameters from 1/8" to 1"
- Lengths - 6" to 45"

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#### THX Type Ejector Pins

- Higher core hardness makes the THX pins ideal for use in die cast dies or other high temperature applications
- Core hardness of 50-55 HRC minimizes nicking, dishing and bending
- Non-chipping surface treatment of 65-74 HRC alleviates flashing
- Annealed and finished heads permit easy machining
- Centerless ground D diameter
- Final finish minimizes wear and prolongs pin life
- Pin diameters standard from 3/64" to 1".
- Lengths - 6" to 25"

#### THXK Type Keyed Ejector Pins

All the same great features of the standard THX pins with the addition of a precision-machined flat on head to keep pins from rotating.

- Diameters - 1/8" to 1"
- Lengths - 6" to 25"

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#### S & SND Type Sleeves

- Precision made of superior quality thermal shock resisting hotwork die steel
- Hot-forged heads provide uniform grain flow, higher tensile strength
- Centerless ground and polished outer diameter
- Lead-in taper designed to allow interference-free entry of the ejector pin into the sleeve.
- Inside Diameters - 3/32" to 3/4"
- Oversized O.D. available
- Lengths 3" to 14"

**S type** - Outside diameter nitrided to 65-74 HRC hardness and finished to minimize wear.  
Inside bearing diameter is 30-35 HRC hardness and finished honed

**SND type** - Outside diameter nitrided to 65-74 HRC hardness and finished to minimize wear.  
Inside bearing diameter is nitrided to 65-74 HRC hardness and finished honed



# Pins, Sleeves and Blades

## For Molding & Die Casting



### Ejector Blades

- Blade thickness and width are held to close tolerance:  $+.0000/-0.0003$
- Precision made of superior quality M2 high-speed tool steel
- Through-hardened to 58-62 HRC for superior wear resistance
- Heads annealed for easy machining
- One-piece construction for increased strength and rigidity

### C & CX Type Core Pins

- Precision made of superior quality hotwork die steel
- Heads are hot-forged for uniform grain flow, higher tensile strength, then annealed to permit easier machining and stamping
- $+.0008"/+.0003"$  tolerance on pin diameter ensures a close fit for coring purposes
- Pin body and head are finish ground
- Centerless ground and polished outer diameter
- Pin diameters -  $3/32"$  to  $3/4"$
- Lengths -  $3"$  to  $14"$

**C Type Core Pins** - standard hardness 30-35 HRC

**CX Type Core Pins** - high hardness 50-55 HRC

### Performance - High Conductivity Core Pins

- Reduces cycle times
- Ten times better conductivity than steel
- Beryllium-free copper-based alloy
- Hardness of 90-98 Rockwell B
- Pin diameters -  $3/32"$  to  $3/4"$
- Lengths -  $3, 6, 10$  &  $14"$

### Also Available:

#### DIN

- Ejector Pins - Straight or with a Shoulder  
Nitrided or Hardened
- Ejector Sleeves  
Nitrided or Hardened
- Ejector Blades  
Nitrided or Hardened
- Core Pins  
Hardened or Performance

#### JIS

- Ejector Pins - Straight
- Ejector Sleeves
- Ejector Blades

Inch, DIN & JIS Pins Sleeves & Blades can be custom made to your specifications.

To request a quote go to [www.dme.net/rfq](http://www.dme.net/rfq), select and complete the Special Pins, Sleeves, and Blades Quote Request Form