

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 25"

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 25"

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"

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"
- 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



Available from:
H&O DIE SUPPLY, INC.
PRECISION FABRICATING MACHINERY

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Every step of the way

Pins, Sleeves and Blades For Molding & Die Casting



Ejector Blades

- Blade thickness and width are held to close tolerance: $\pm 0.0000/\pm 0.0003$
- 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
- $\pm 0.0008"/\pm 0.0003"$ 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 - $3, 6, 10$ & $14"$

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 - $3, 6, 14$ & $20"$

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



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