

# MOLD AND TOOL STEELS

## Plastic and Rubber Mold Steels

- **DH2F (37-41 HRC) H-13 Mod.**
  - Pre-hard material with good machining properties
  - Suited for complex molds needing higher hardness
- **NAK 55 (38-42 HRC)**
  - High performance, High precision mold steel
  - Never needs stress relieving, Highly weldable
- **NAK 80 (38-42 HRC)**
  - High performance, High polish mold steel
  - Never needs stress relieving, Highly weldable
- **PX5 (29-33 HRC) P20 Mod.**
  - Improved P20 with excellent machining characteristics
  - Never needs stress relieving, improved weldability
- **TOOLOX 33 (30-35 HRC) 4140 / P20 Mod.**
  - Low residual stresses and good machining characteristics
- **TOOLOX 44 (41-47 HRC) Nominal 45 HRC**
  - Pre-hard mold steel with high impact strength and low Residual stress
  - High polishability
- **Superplast Stainless (30-34 HRC) 420 FM Mod.**
  - Pre-hard stainless, free machining, designed for plastic mold bases and die sets
- **S-Star 420 ESR Stainless Steel\***
  - Diameters Stocked pre-hardened (30-34 HRC)
  - Plates Stocked in the annealed condition
  - Both versions of S-Star can be heat treated to 50-53 HRC

## Cold Work Die Steels

- **DC53 and DC53 Punch Stock**
  - General purpose cold work tool steel with exceptional toughness, wear resistance, and compression strength
- **DCMX**
  - General purpose cold work tool steel with twice the toughness of DC53
  - Minimal distortion in heat treat and excellent machining characteristics
- **TOOLOX 44 (41-47 HRC) Nominal 45 HRC**
  - High Impact Strength tool steel
  - Good dimensional stability with good machining characteristics

## Die Casting Steels

- **DH31-EX (NADCA Spec. #207-2016 Grade C)**
  - High strength, high tough and high heat check resistance hot work die steel
- **DHA-World (NADCA Spec. #207-2016 Grade F)**
  - DHA-World is a high hardenability and high tough general use hot work die steel
- **TOOLOX 44 (41-47 HRC) Nominal 45 HRC**
  - Pre-hard tool steel, high impact properties for die casting industry
  - Good dimensional stability

## Hot Stamping and Forging

- **MX01 (39-43 HRC)**
  - Pre-hard Hot Work Tool Steel, high mechanical properties at high temperature
  - Good stability and excellent toughness
- **TOOLOX 44 (41-47 HRC) Nominal 45 HRC**
  - Pre-hard tool steel, high impact properties,
  - Good dimensional stability, does not need to be heat treated
- **DH31-EX**
  - High strength, high tough, and high hardenability hot work Tool steel.
  - Heat treat up to 50 HRC