



**ELLWOOD**

YOUR METALS PARTNER, FROM MELT TO DISTRIBUTION

## PRODUCTS AND CAPABILITIES

ELLWOOD Specialty Steel is a fully integrated supplier of specialty tool steels. Our ExELL grades are melted using an ultra-high power electric arc furnace and advanced ASEA-SKF ladle metallurgy practices, as well as vacuum degassing to produce clean steels.

Our melting process yields high-quality results with tight chemistry control for predictable properties and heat treat response. Supplemental ESR and VAR re-melting are also used for certain steel grades and specification requirements.

Our high-quality steel is emphasized by superior open die forging capabilities and expertise. Producing steels with optimum properties such as cleanliness, product uniformity, machinability, ability to polish, toughness, hardenability, and others. All products are produced in ISO 9002 certified facilities.



### ADVANTAGES

ELLWOOD Specialty Steel is a major producer of alloy steels used for tools, support tooling and traditional tool steel grades used for holders, structural components, and more demanding uses for categories such as:

- Cold work die steel
- Hot work die steel
- Plastic mold steel
- Forge die steel

### PRODUCT FORMS AND SERVICES

Mill product capabilities include forged billets, blooms, slabs, rectangular blocks, round bar (solid and hollow), and custom blocks. Our extensive stocking programs allow for short lead times in mill and custom forged products in standard grades. Other grades are available upon request.

- Custom Sawing
- Lifting Holes
- Grinding
- Milling
- Turning



# PRODUCTS

## MOLD STEELS

- ExELL P20 Mod
- ExELL P20M High Hard
- ExELL P20M Lens/Texture Quality
- ExELL 2714
- ExELL H13 SMDQ
- ExELL Holder (4140Mod)
- ExELL 420 SMDQ
- ExELL 15-5 PH SMDQ
- ExELL S-7 SMDQ
- ExELL Mold Alloy

## ALUMINUM

- EllCast 5-5083 Cast Plate
- EllCast2 - 2618 Cast Plate
- QC 10 Mold Plate
- 7000 Alloy Cast Plate
- 6061 Plate & Block
- 5083 ATP Plate

## QUALITY ASSURANCE

ELLWOOD Specialty Steel is committed to providing products and services that consistently meet or exceed quality and performance expectations. We establish product programs to fully support industry or customer requirements.



## HOT WORK STEELS

- ExELL Tuf Die\*
- ExELL Hot Die\*
- ExELL H13 Premium\*
- ExELL H13 Superior\*
- ExELL H13 Superior Plus\*

\*Qualified to NADCA 207 spec for die cast tooling

## FORGING DIE STEELS

- ExELL Forge Die
- ExELL H13 Superior
- ExELL 2714
- ExELL Tuf Die



## COLD WORK STEELS

- ExELL A2
- ExELL D2
- ExELL S7

**Special Mold and Die Quality (SMDQ)** is produced with special melting, refining, forging, and thermal treating to produce premium tooling quality for applications demanding more optimum steel properties



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