



**Ellwood Specialty Steel** is a fully integrated producer of a wide range of specialty tool steels. Our ExELL grades are made with advanced ASEA-SKF steel making capabilities which include an ultra high powered electric arc furnace with subsequent state-of-the-art ladle refining and vacuum degassing equipment for the most complete and modern ladle metallurgy technology.

Our melting process results in very high quality with extremely tight chemistry control for predictable properties and heat treat response. Supplemental ESR and VAR remelting are employed for certain steel grades and specification requirements.

Ellwood's steelmaking capability is joined with a long history of forging and heat treating expertise to develop tool steel with consistent strength, toughness, hardenability, machinability and surface finishing properties. All this from production facilities certified to ISO 9002.

## APPLICATIONS

**Ellwood Specialty Steel** is a major producer of alloy steels used for tools or support tooling as well as the traditional tool steel grades used for holders, structural components and the more demanding applications in the categories of:

- **Cold Work Die Steels**
- **Hot Work Die Steels**
- **Plastic Mold Steels**
- **Forge Die Steels**

## PRODUCT FORMS AND SERVICES

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

Our service center operation offers value added services including:

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





## PRODUCTS

### Mold Steels

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

### Hot Work Steels

ExELL Tuf Die*	ExELL H13 Premium*	ExELL P20 Mod
ExELL Hot Die*	ExELL H13 Superior*	ExELL P20 High Hard
	ExELL H13 Superior Plus*	

\*Qualified to NADCA 207 spec for die steels

### Forging Die Steels

ExELL Forge Die	ExELL H13 Superior	ExELL 2714
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### Cold Work Steels

ExELL A2	ExELL D2	ExELL S7
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### Aluminum

ExELL 5083 Cast Plate	ExELL 7000 Cast Plate	Alumold® 500 Mold Plate
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**Special Mold & 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 such as material cleanliness, structure uniformity, strength, toughness and polishability.

## Rovalma Steel Grades

Ellwood Specialty Steel is the exclusive North American distributor for specialty steel grades produced by Rovalma S.A. that are engineered to provide high thermal conductivity, high wear or high strength properties. These unique materials can solve your toughest problems in plastic molding, metal die casting and cold or hot stamping. Contact your ESS representative or inquire at [ESSsales@elwd.com](mailto:ESSsales@elwd.com) for more information and to discuss your specific application.

## QUALITY ASSURANCE

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

## ELLWOOD SPECIALTY STEEL

*Your tool and mold steel specialist*



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