

# Mold Interlocks



## Black & Gold Side & Top Interlocks

### Industry-Leading Interchangeability

Thanks to precision manufacturing and precision tolerancing, every DME mold interlock component can be replaced independently, eliminating the need to swap out an entire set.

### DME Side & Top Interlocks provide:

- Accurate alignment of mold halves
- Easy installation
- Industry-compatible sizes

### Installation

- Install four (4) Interlocks per mold (one per side)
- Install Side Interlocks on the Center Line of each side of the mold

**Female Interlock – Material:** A2 Steel **Heat Treat:** Core Hardened to 58-62 HRC  
**Surface Treatment:** TiN – Titanium Nitride Coated

**Male Interlock – Material:** AISI H-13 Steel **Heat Treat:** 40-44 HRC **Surface Treatment:** Melonited (SBN)



Round available in  
inch or metric

## Round & Rectangle Tapered Interlocks

DME Tapered Interlocks provide positive metal-to-metal mold registry to align mold halves, mold plates or individual cavities and cores. The larger sizes are generally used with large molds or plates. The 1/2 and 3/4 sizes are generally used with small molds or to align cavities and cores. At least two sets are recommended for small molds or inserts, four for medium-size molds and six or more for large molds.

The tapered interlocks are **intended to seat on the taper, NOT the face** of the interlock. This provides positive alignment without the need for the face of the male and female to touch.

**Rectangular Interlock – Material:** S7 Tool Steel Hardened

**Round Interlock – Material:** AISI/SAE 52100 (or comperable) 54-58 HRC



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## Straight-Side Interlocks

- Provides positive alignment for molds with interlocking cavities and cores

**Material:** 8620 Steel-Carburized, Hardened and Ground  
**Hardness:** PLM: 50-55 HRC, PLF: 55-60 HRC



## X-Style Straight-Side Interlocks

- Provides positive alignment between three adjacent plates when mold has two parting line openings, providing close alignment for interlock cavities and cores in stripper plate-type molds
- Used with AX-Series (floating plate) and X-Series (stripper plate) mold bases, as well as other mold bases with floating plates
- Interchangeable male PXM and female PLF details can be purchased individually

**Material:** AISI 8620 Steel-Carburized, Hardened and Ground  
**Hardness:** PXM: 50-55 HRC, PLF: 55-60 HRC

