

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 & 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 comparable) 54-58 HRC



Round available in
inch or metric

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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