

American Mold Base Standard Features

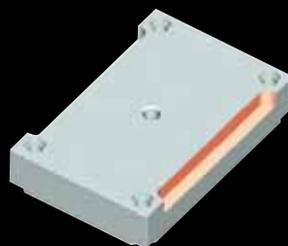
Standard & Optional Mold Base Features | American Mold Base Standard Features



Locating Rings



The Locating Ring aligns the mold base to the stationary platen side of the press and positions the sprue bushing correctly.



Clamp Slots



Clamp Slots facilitate clamping the mold to the platen of the press. D-M-E mold bases offer four slot types to ensure the best fit for the requirements of your application.



Sprue Bushings



The Sprue Bushing provides a seat at the spherical radius for the nozzle of the press. This provides a path for the material from the nozzle to the runner system.



Leader Pins, Vents and Bushings



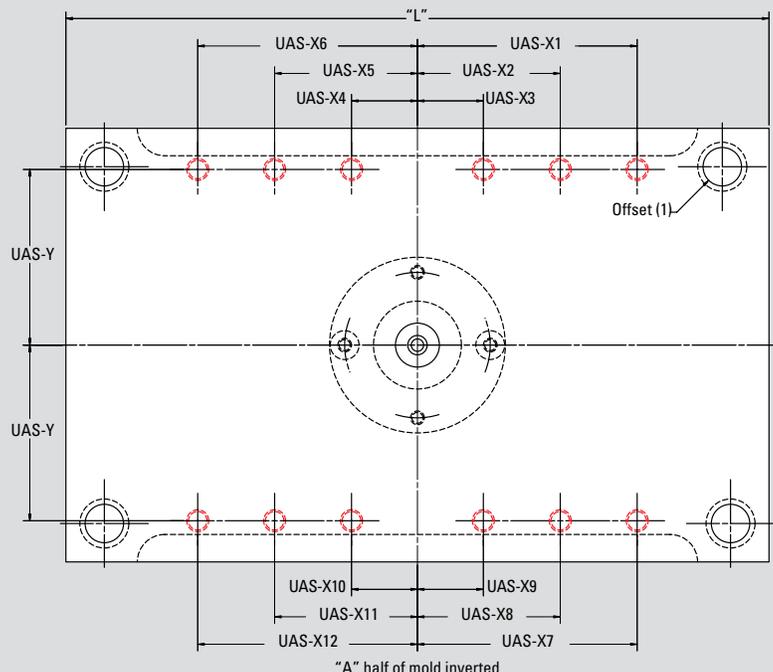
Leader Pins and Bushings align both halves of the mold at the parting line. Leader Pin Vents, which allow trapped air to escape from the mold, are designed into all 15-inch-and-wider series molds. When desired, they can be specified on smaller molds.



Upper and Lower Assembly Screws



Assembly screws are used to hold the plates of the upper and lower halves of the mold together. For simplicity, the upper and lower assembly screws are generally placed in similar positions.



American Mold Base Standard Features



Ejector Housing and Cover

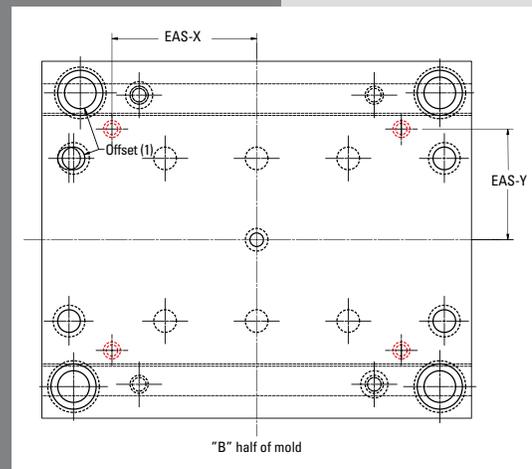
D-M-E offers a selection of housing types to fit application demands. A one-piece welded housing is available for customers requiring maximum rigidity and robust durability. For maximum flexibility of configuration options, a three-piece housing is also available.

For additional operator safety, D-M-E mold bases include an ejector housing cover, except when a longer length ejector bar is selected. The perforated D-M-E logo helps the operator to visually determine if the ejector plate and ejector retainer plate are in the returned position. The cover is fastened on both sides with 5/16-18 button-head cap screws. Once again, D-M-E is leading the industry into a safer work environment.



Ejector Assembly Screws

Ejector assembly screws are used to hold the plate of the ejector assembly together. Recommended position will be provided but you can specify any different position.



Return Pins, Stop Pins and Sprue Puller Pins

Return Pins are used to ensure correct return of the ejector assembly to the home position. D-M-E return pins are precision-ground from superior quality hotwork die steel. Stop Pins arrest travel – preventing excessive wear and possible housing damage. The Sprue Puller Pin removes material from the Sprue Bushing at the end of the molding cycle.



Self-Lubricating Bushings

Saves design and moldmaking costs for lubrication and fittings. Reduces wear and galling. Lowers maintenance and repair costs. Eliminates contamination... ideal for "clean room" environments.



American Mold Base Optional Features



Guided Ejection Systems



Guided Ejection Systems hold the ejector assembly in alignment and support the weight of the ejector assembly throughout the molding cycle – greatly reducing wear on ejection components and preventing cocking of the ejector assembly.



Pockets and Spring Pockets



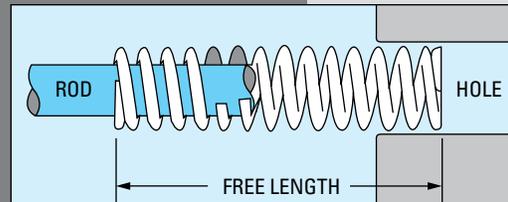
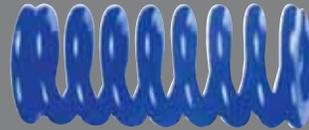
Per customer specifications, D-M-E finishes any type of cavity and core pockets. See the D-M-E Mold Components catalog for spring free lengths and hole dimensions.



Pry Slots



D-M-E mold bases feature Pry Slots, installed in any plate specified, on the parting and/or non-parting line side. This provides handling ease when opening and/or disassembling a mold.



Lifting Holes



Lifting Holes can be used to install hoist rings for ease of handling. D-M-E mold bases can be configured only with Lifting Holes which are appropriate for the specific mold base size. Refer to D-M-E Mold Components catalog for a comprehensive selection of Hoist Rings.



Mold Strap Holes



Machined holes will be for mounting mold straps. Please provide desired positions and quantity (minimum 2).

American Mold Base Optional Features



Support Pillars

5
5-DAY
SHIPPING

Support pillars should be used liberally since they greatly increase the capacity of the mold to support the projected area of the cavities, runner and sprue. By providing additional support, they prevent deflection of the mold.



Interlocks

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11-DAY
SHIPPING

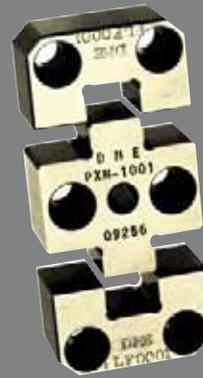
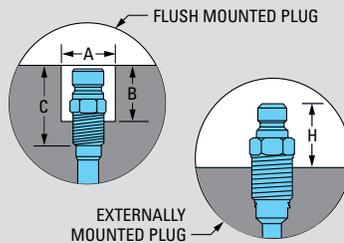
Provides positive alignment between adjacent plates when mold has one or multiple parting line openings. This provides close alignment for interlock cavities and cores in stripper plate type molds.



Waterlines

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7-DAY
SHIPPING

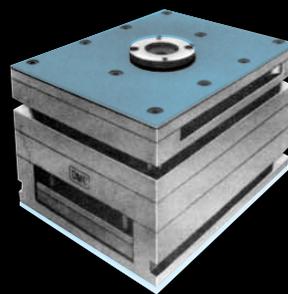
D-M-E will provide waterlines and plugs per customer specifications for optimal cooling efficiency.



3-Plate Extension Bushings

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7-DAY
SHIPPING

These 3-plate extension bushings can save material, reduce cycle time and help prevent runner hang-ups in 3-plate molds.



Insulator Sheets

These sheets have excellent non-deformation characteristics and a compressive strength which is higher than asbestos and mica materials. Compression molded for high impact strength, they are supplied micro-finished top and bottom, parallel within $\pm.002$.