

IPS

Mold Shield Application Notes

Note 1 - Mold shields should not be permanently attached to the magnets. The shield hooks should be easily removable.

Note 2 - Magnets should not be mounted on stripper plates. The jarring movement could cause the magnets to move. Place magnets on the next non-moving plate. This may require an extension from the magnet to the shield hook. Extensions can be made from 1/8" x 1" - 0.3cm X 2.5 cm flat bar or a stiff wire. Smooth any sharp edges of the extensions prior to use to avoid cutting the shield.

Note 3 - Horizontal water lines, hydraulic lines, etc. present a challenge when installing mold shields. If there is 1/4" - 3.2 cm clearance between obstructions when the mold is closed the mold shields may be installed. There are movable hooks on each side of the mold shield. Slide the movable hook to a place where it does not interfere with mold obstructions. You may need to fabricate extensions as mentioned in Note 2 if there is no way to place magnets in the desired location. Always use at least one fixed hook per shield side to insure the shield does not creep downward.

Note 4 - Air blasts to assist molded parts drop can create a vortex condition which tends to pull the mold shield into the open mold providing the potential for catching the shield between mold frames at mold close. This is particularly true if the air is not stopped prior to mold close. Using a 1" - 2.5 cm spacer between magnet top and shield hook will provide the opening the vortex needs to draw air without pulling mold shields into the danger zone.

Note 5 - There are installation conditions where mounting the magnets directly onto the platen is desirable. To do this fabricate a 90-degree bracket. This should be long enough to have the mold shield edge at the desired location.

WARNING

SHARP OBJECTS such as knives or pins will puncture mold shields!

OPEN FLAMES such as propane torches will destroy mold shields!

RUBBING tie bars or other fixed objects will wear holes in shields!

HOT PURGINGS will destroy mold shields!