

"Side Actions in Conventional Tooling"

Part Seven of the
Tooling for Zinc Diecastings Series

The tooling you choose to manufacture your zinc diecasting is an important consideration in the successful production of your product. Side actions in conventional tooling can assist the casting designer in producing a low cost "net shape" product.

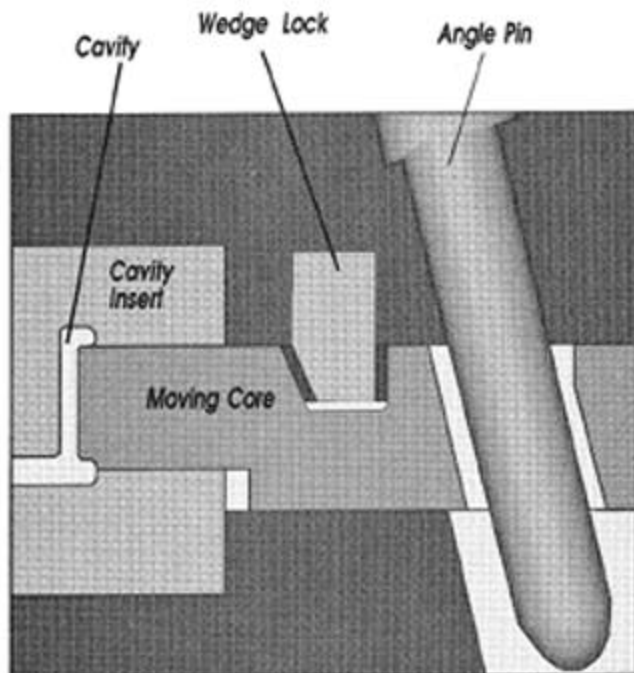
Side Action Advantages

- Secondary operations are avoided.
- Cored holes and recesses are parallel to the parting line plane.
- Permits detail changes (i.e., additional similar parts) through extra interchangeable componentry.
- Can be mechanical or hydraulic.

Questions to Ask...

- What is the strength of the cores?
- Where will flash develop as the die wears?
- Are side actions in the movable or in the stationary half of die?
- Is the die design submitted for review?
- Is the die warranted?

Let DeCardy Diecasting recommend the best way
to lower the final piece part cost.
Call or fax Will Vogel today.



How It Works

Side actions or moving cores allow recessed areas to be formed that would present undercut conditions in a simple two-piece die. Angled-pin is the most common method for actuating moving cores (side actions).

With this method, the moving core is mounted in the ejector half of the die, and is brought into the casting position by an angled pin as the die closes. A wedge is used to lock the core in position during the injection of the zinc alloy.