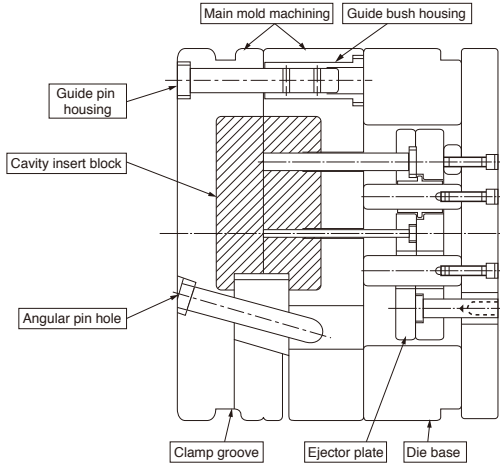


# Die Casting Mold (Main Molds)

## Die Casting Mold (Main Molds)

We are able to supply higher-quality products through the use of high-precision equipment for Star Plates, steel die sets, and other components and our accumulated machining technologies.

■ Materials handled: FCD materials, SC materials    ■ Machining dimensions range: 1200 × 1200 max.



### ■ Main Mold Details

- Guide pins, bush hole machining and assembly
- Casting inlet bush hole machining
- Clamp groove machining
- Angular pin hole
- Pocket machining, movable core groove machining
- Gun drill hole machining
- Return pin, ejector pin hole machining

Please place all orders by using diagrams.

(Please indicate tolerances, processing details, and so on as accurately as possible.)

### ■ Die Bases (Spacer Blocks)

- Attachment hole machining
- Groove machining
- Ejector plates
- Attached component machining

### ■ Ejector plates

- Attachment hole machining
- Return pin hole machining, etc.

## ROHS Die Casting Mold Tool Steel

Choose from among materials rigorously selected for harsher die casting conditions and increased die loads.

### ■ Selection of Die Casting Mold Tool Steels (Daido Steel Hot Work Tool Steels)

Die cast alloy	Casting temperature (°C)	Suitable Materials			
		General purpose	Low-volume production mold	High-performance mold	Large mold
Zn	415~420	DHA DHA1	DH2F	MAS1C	
Al	650~720	DHA DHA1	PXA30 DH2F	DH21	DH31-S
Required properties		<ul style="list-style-type: none"> <li>● Good machinability and electric discharge processability</li> <li>● Easy to heat treat and minimal thermal distortion</li> <li>● Good high-temperature strength and toughness and excellent heat checking resistance and erosion resistance</li> </ul>	<ul style="list-style-type: none"> <li>● Heat treatment can be omitted (pre-hardened)</li> <li>● Free-cutting</li> </ul>	<ul style="list-style-type: none"> <li>● Excellent toughness, can be used at high hardness</li> <li>● Excellent resistance to temper softening and heat checking</li> <li>● Good nitriding properties</li> </ul>	<ul style="list-style-type: none"> <li>● Good quenching properties and toughness and excellent heat checking resistance and erosion resistance</li> </ul>