

# Holder Block

## Technical Datasheet

### Chemistry

Comparable Standard: ~AISI 4140

Typical	C	Mn	Si	Cr	Mo	S
Analysis %	.40	1.05	.40	1.05	.20	.07

### Description

Holder Block is a pre-hardened mold steel for injection molds up to 20" (508 mm). It is specially designed for ease of machining and simple post-production mold maintenance.

Holder Block has added sulfur to improve machinability. It is always forged with a minimum of 4 to 1 reduction ratio.

Holder Block is forged on large presses equipped with wide dies to assure maximum deformation during forging process.

### Characteristics

Good weldability  
Excellent machinability

### Applications

Holder for plastic molds, rubber molds, die casting dies, mold bases, plates, and brake dies.

### Surface Hardness Range

	BHN	HRC	N/mm <sup>2</sup>
Regular	269-321	28-34	920-1082

### Delivery Condition

Hardened and tempered

### Heat Treatment

#### Tempering

Heat uniformly and thoroughly at the selected temperature and hold at temperature for one hour per inch of total thickness.

Temp. °F	700	800	900	1000	1050	1100	1150
Hardness HRC	46	43	40	37	32	30	22

Tempering hardness is approximate and based on two hours of temperature.

Please contact your Swiss Steel International heat treat representative for more detailed information.

### Polishing

Holder Block is primarily used as a frame material for plastic molds and die cast dies. Is it not intended for tools which require a high surface finish. A Swiss Steel International representative should be consulted for additional information.

### General Note

All statements regarding the properties or utilization of the materials or products mentioned are for the purpose of description only. Guarantees regarding the existence of certain properties or a certain utilization are only valid if agreed upon in writing.

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### NORTH AMERICAN DISTRIBUTION

#### HEADQUARTERS + TECHNICAL SUPPORT

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#### MANUFACTURING + CENTRAL STOCKING FACILITY

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Batavia, IL 60510

### DISTRIBUTION LOCATIONS

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Streetsboro, OH 44241

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