

DATA SHEET



FINKL STEEL
SCHMOLZ + BICKENBACH GROUP

COREBLOC™ PREHARDENED MOLD STEEL

TYPICAL APPLICATIONS

- Core side for injection molds up to 40" (1015 mm)
- Non-show part injection tooling
- Brake dies
- Holder for plastic molds, rubber molds, die casting dies, mold bases, plates, and brake dies.

GENERAL:

Delivery Condition:

Hardened and tempered

Surface Hardness Range:

	BHN	HRC	N/mm ²
Regular	277-321	29-34	935-1085

COREBLOC™ is a new patented prehardened mold steel grade specially designed for increased through hardenability when compared to 4140 or **HOLDERBLOC™**, ease of machining and simple post-production mold maintenance.

COREBLOC™ has added sulfur to improve machinability.

COREBLOC™ is always forged with a minimum of 4 to 1 reduction ratio.

COREBLOC™ is forged on our largest presses equipped with wide dies assuring maximum deformation during forging process.

® Finkl Steel Trademark

Note: Provided technical data and information in this data sheet are typical values. Normal variations in chemistry, size and conditions of heat treatment may cause deviations from these values. We suggest that information be verified at time of enquiry or order. For additional data or metallurgical assistance, please contact us.

Typical Chemical Analysis - % weight

C	Mn	Si	Ni	Cr	Mo	Other
0.40	1.25	0.40	0.25	1.75	0.20	S

- Improved through hardenability
- Good weldability
- Excellent machinability

COREBLOC™ improved hardenability ensures hardness levels to be maintained at the working surfaces, on molds up to 40" (1015 mm) to a minimum of 26 HRC (258 BHN).

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