



钢铁之家

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# 全球钢号百科!

Global Steel Grade Encyclopedia



涵盖的行业或国家与地区类别



中国材料与试验协会

GJB

国家军用标准



动力机械工程师协会

EU

前欧洲标准化

AISI

美国钢铁学会



德国工业标准

AMS

航空航天材料规范



国际标准

JASO

日本汽车标准组织

EN

欧洲标准

JB

中国机械行业标准

UNS

统一编号系统

UNI

意大利标准



美国机械工程师协会

SS

瑞典标准



国家标准



日本工业标准

# DATA SHEET

## 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 <sup>2</sup>
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.

### 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).

**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.**