

DATA SHEET



**S O R E L
F O R G E**

SF-Holder®

PREHARDENED HOLDER BLOCK

TYPICAL APPLICATIONS

- Holder/die shoe for forging dies and Holder for plastic moulds
- Pressure-casting dies
- Structural components
- General machinery applications

GENERAL:

Delivery Condition:

Hardened and tempered
Surface hardness Range

BHN	HRC
270-320	28-34

SF-Holder® is a prehardened mould steel grade specially designed for ease of machining and simple post-production mould maintenance. It has good temper resistance. The well-balanced chemistry assures low section hardness loss.

SF-Holder® is forged on a 5000 ton press equipped with wide dies assuring maximum core deformation during forging process.

Typical Chemical Analysis - % weight

C	Mn	Si	Cr	Mo
0.38	1.05	0.40	1.05	0.20

SF-Holder® is forged using a special densifying process which assures optimum consolidation of centers.

SF-Holder® is quenched in water. Best properties in steel are produced with the highest achievable quench severity.

SF-Holder® is characterized by :

- Excellent machinability
- Excellent weldability
- Minimum hardness loss due to mass

SF-Holder® is 100 % ultrasonic tested

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.



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PREMIER CANADIAN FORGER

Sorel Forge Co.

100 McCarthy, Sorel Quebec Canada J3R 3M8

Phone: 450 746-4030

www.sorelforge.com

