

Drill Rod & Tool Steels, Inc.

***3700 North River Road
Franklin Park, IL 60131***

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ANALYSIS REPORT

OIL HARDENING, COLD WORK TOOL STEEL.

***AISI O-1
ASTM A-681
MIL. SPEC QQT-570a***

CHEMICAL ANALYSIS:	LIMITS.	
C CARBON	0.85 TO	0.95%
Si SILICON		.50 MAX
Mn MANGANESE	1.00	1.30
W TUNGSTEN	.40	.60
V VANADIUM		.30 MAX
Cr CHROMIUM	.40	.60
P PHOSPHORUS		.03 MAX
S SULPHUR		.03 MAX

QUENCHING MEDIUM: OIL

HARDNESS RANGE: 58 TO 60 Rc.

HEAT TREATMENT: Typical.

HARDENING TEMPERATURE 1425 TO 1525° F.

TEMPERING TEMPERATURE 300 TO 950°F.

ANNEALING TEMPERATURE 1425 TO 1450°F.

MATERIAL FURNISHED IN THE ANNEALED CONDITION.

ALL MATERIAL IS DFARS COMPLIANT

MATERIAL IS MANUFACTURED IN THE U.S.A.

MATERIAL IS Rohs COMPLIANT