

***Drill Rod & Tool Steels, Inc.***  
***3700 North River Road***  
***Franklin Park, IL 60131***  
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***ANALYSIS REPORT***

***MEDIUM ALLOY, AIR HARD, COLD WORK TOOL STEEL.***

***AISI A-6***  
***ASTM A-681***  
***MIL. SPEC QQT-570a***

<b>CHEMICAL ANALYSIS:</b>	<b>LIMITS.</b>	
<b>C CARBON</b>	<b>.65</b>	<b>TO .75%</b>
<b>Si SILICON</b>	<b>.50</b>	<b>MAX</b>
<b>Cr CHROMIUM</b>	<b>.90</b>	<b>2.40</b>
<b>Mo MOLYBDENUM</b>	<b>1.00</b>	<b>1.50</b>
<b>Mn MANGANESE</b>	<b>1.80</b>	<b>2.40</b>
<b>S SULPHUR</b>		<b>.03 MAX</b>
<b>P PHOSPHORUS</b>		<b>.03 MAX</b>

**QUENCHING MEDIUM: STILL AIR.**

**HARDNESS RANGE: 46 TO 60 Rc. WHEN QUENCHED IN STILL AIR.**

**HEAT TREATMENT: Typical.**

**HARDENING TEMPERATURE (STILL AIR) 1500 TO 1600° F.**

**TEMPERING TEMPERATURE 300 TO 400°F. (MIN. 1 HOUR)**

**ANNEALING TEMPERATURE 1325 TO 1375°F.**

**MATERIAL FURNISHED IN THE ANNEALED CONDITION: UNDER 248  
BRINELL**

**ALL MATERIAL IS DFARS COMPLIANT**

