

TOOL & DIE STEELS INTRODUCTION

North American Steel Company offers a complete line of tool steels for gages, cutting knives, tools, dies, jigs, and wear surfaces. With over 50 years of refinement and field proven products, North American Steel Company has become a leader in high quality tool steels that provide durability and increased service life.

Compared to conventional tool steels, our products offer increases in strength, toughness, machinability, and wear resistances. We carry oil hardening, air hardening, stock resistant, impact resistant, non-deforming, and hot working tool steels.

All material is fully traceable. Our quality system is registered to ISO 9001: 2000 standard. Please review the following grades and choose the right one for your applications.

► HIGH WEAR, AIR HARDENING TOOL STEEL

Cougar™ see Pages 62 and 63
Least de-forming tool steel, dimensional stable, excellent response to heat treatment.
Best choice for long-run die applications; *upgrade for D-2 tool steel.*

► HOT WORK TOOL STEEL

Redstar HWD™ see Pages 64 and 65
Resilience in high temperature applications, excellent toughness, resists thermal fatigue cracking; *upgrade for H-13 tool steel.*

► NON-DEFORMING, SHOCK RESISTANT TOOL STEEL

Dexite™ Super Shock see Page 66
Offers excellent shock resistance toughness, and low distortion in heat treatment.
Excellent for various die parts; *upgrade for S-7 tool steel.*

► SHOCK RESISTANT TOOL STEEL

Nascoloy™ see Page 67
High resistances to impact and shock, excellent hardness and toughness, ease of machining; *upgrade for S-5 tool steel.*

► OIL HARDENING TOOL STEEL

Dexite™#14 see Page 68
Good deep hardening characteristics, user-friendly for general purpose use in tool room. Responds well to thermal treatment; *upgrade for O-1 tool steel.*

► AIR HARDENING, WEAR RESISTANT TOOL STEEL

Dexite™ AH..... see Page 69
Excellent machinability, shows low distortion or movement in heat treatment, high compressive strength, good toughness; *upgrade for A-2 tool steel.*

Available Options

Redi-Finish condition – ground top and bottom – oversized; sides saw cut and length saw cut.

Flat Ground condition – ground on all four sides to precision tolerances.

Drill Rod sizes – close tolerances, near bearing fit, standard rounds from 1/16” diameter to 2” diameter.