

D6 TOOL STEEL (X210 CRW12)

D6 Toolsteel is 12% chromium, cold work toolsteel with very high wear resistance and has better hardenability than D3.
 Applications: Blanking dies for cutting sheets up to 2mm thick, paper & plastic blades, deep drawing tools, stands, moulds for pressing, abrasive powders, rolls.

Colour Code	Stocked Sizes
	Condition of Delivery
	Soft annealed to max. 250 HB

Related Specifications

Germany	DIN 1.2436
USA	AISI D6

Chemical Composition %

Carbon	2.10
Chromium	12.0
Tungsten	0.70

Physical Properties

Thermal expansion coefficient	
Thermal conductivity	

Heat Treatment

Soft Annealing

Temperature	800 - 840°C 2-5hrs
Cooling	furnace
Hardness	max 250 HB

Stress Relief Annealing

Temperature	600 - 650°C 2 hrs
Cooling	furnace

Hardening

Temperature	960°C - 980°C
Cooling	oil, pressure (N ₂) air or hot bath 500 - 550°C
Tempering	usually < 300°C

Thermal Cycle Diagram

Continuous Cooling Transformation Diagram (CCT)

Tempering Diagram

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