

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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