

1.2436 / D6 Cold Work Tool Steel

Standards	DIN	AISI	JIS	ГОСТ
X210CrW12	1.2436	D6	SKD2	X12B

Chemical composition (typical analysis in %)

C	Si	Mn	P	S	Cr	W
2.00-2.30	0.10-0.40	0.15-0.45	≤0.030	≤0.030	11.0-12.0	0.60-0.80

Steel properties :

High carbon high chromium tool steel in flat and round bar. This is a tool steel grade offering very high wear resistance with edge holding quality. It is an air hardening alloy tool steel with excellent resistance to wear and abrasion. As a high carbon high chromium tool steel 1.2436 has good through hardening properties and dimensional stability combined with high resistance to tempering.

Applications :

Woodworking tools, thread rolling dies, deep drawing and cold extrusion tools, measuring tools, scraping and trimming tools, deburring tools, moulds for abrasive plastics.

Size range :

Diameter (mm)	Thickness (mm)	Width (mm)
8 - 500	8 - 400	Max 810

Delivery condition : Soft annealed to max. 255 HB

Heat Treatment:

Soft annealing

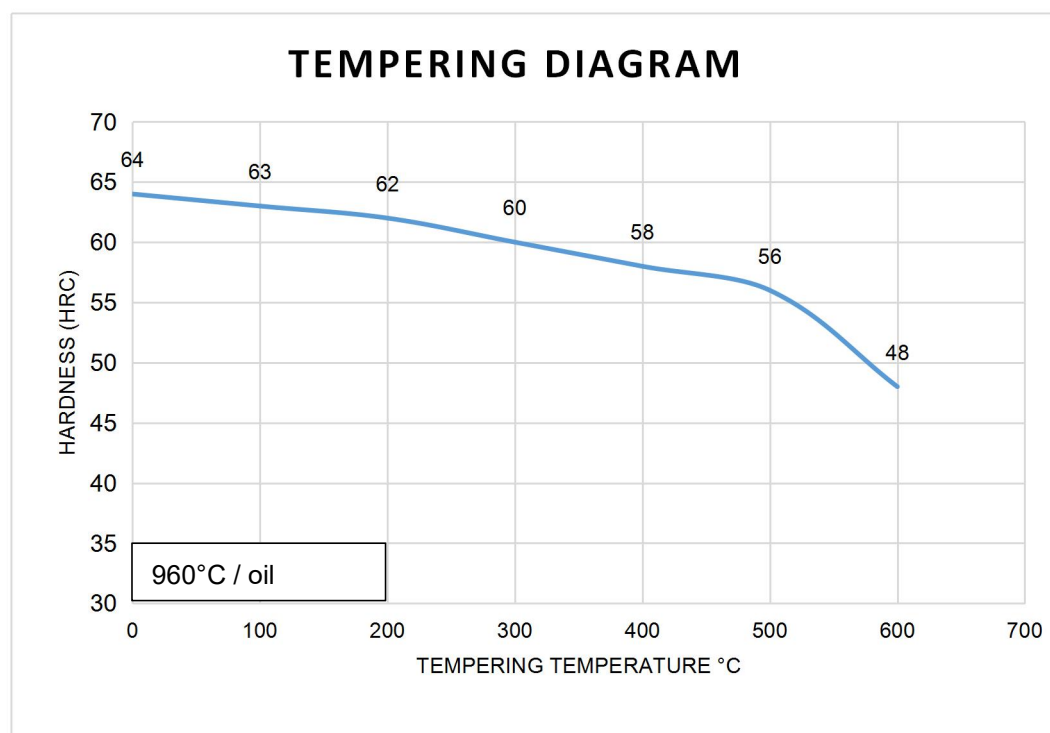
Temperature(°C)	Cooling	Hardness
870 - 900	furnace	max. 255 HB

Forging

Temperature(°C)	Cooling	
850 - 1050	furnace	

Hardening

Temperature(°C)	Cooling	Tempering
930 - 980	oil or air	see tempering diagram usually 100 - 400°C



Remarks: All technical information is for reference only.

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