

Cold Work Tool Steel BM1.2436

BM1.2436 is a tool steel grade offering very high wear resistance with edge holding quality. As a high carbon high chromium tool steel 1.2436 has good through hardening properties and dimensional stability combined with high resistance to tempering.

W.No	1.2436
DIN	X210CrW12
AISI / SAE	D6
JIS	SKD 2

Chemical Composition

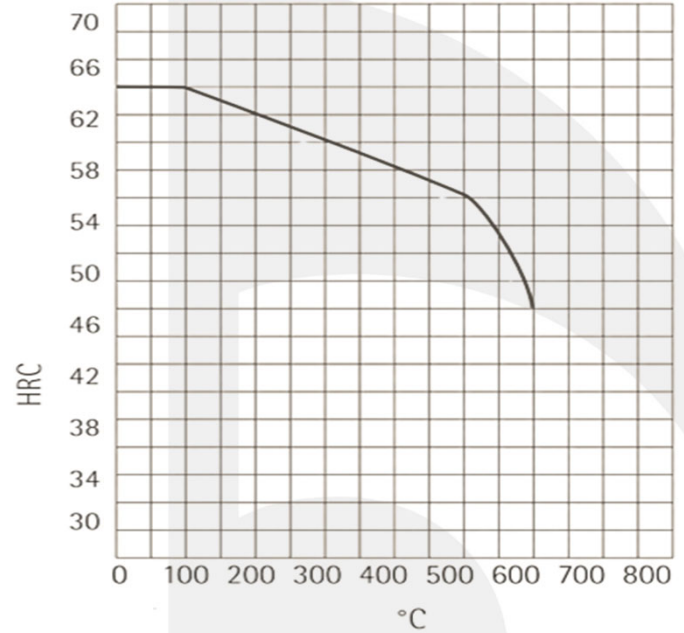
2.00-2.30 % C	0.10-0.40 % Si	0.30-0.60 % Mn
11.00-13.00 % Cr	0.60-0.80 % W	-

Applications

- Cutting and drawing tools for high wear resistance
- Rolls with high dimensional stability
- Deep drawing tools, mandrels
- Paper blades
- Stone compression moulds
- Tools for wire, bar and tube production
- Cold shear blades for thin sheets

Heat Treatment Properties

Normalization °C	1100-850
Soft Annealing °C	840-880
Delivery Hardness HB 30	max. 255



Hardness	Hardening Range	
Austenitizing °C	Cooling	HRC
950-980	Air, Oil	64

Tempering °C	100	200	300	400	500	600
HRC	63	62	60	58	56	48

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