

Identification

Material number
1.2328

Reference number
(45CrMoV7)

AISI

Chemical composition Typical analysis in %

C	Mn	Cr	Mo	V
0.45	0.90	1.8	0.30	0.05

Steel properties

Air-hardening steel of great hardness and toughness.

Applications

Special steel for chisels.

Heat treatment

Soft annealing °C	Cooling			Hardness HB		
690 – 730	Furnace			max. 248		
Stress-relief annealing °C	Cooling					
approx. 650	Furnace					
Hardening °C	Quenching			Hardness after quenching HRC		
840 – 860	Air			55		
Tempering °C	100	200	300	400	500	600
HRC	57	55	52	49	45	38

Tempering diagram

