meusburger

MATERIAL NO.:			1.2	1.2714				
DESIGNATION: DIN: AFNOR: UNI: AISI:	55 NiCrMoV 7 55 NCDV 7 - L6	7						
INDICATORY ANALYSIS:	C 0.56 Cr 1.10 Mo 0.50 Ni 1.70 V 0.10							
STRENGTH:	max. 250 HB (≈ max. 850 N/mm²)							
THERMAL CONDUCTIVITY AT 100°C:	36 W/m K							
COEFFICIENT OF THERMAL EXPANSION [10 ⁻⁶ /K]	100°C 12.2	200°C 13.2	300°C 13.6	400°C 14.0	500°C 14.2	600°C 14.4	700°C	
CHARACTER:	>> Steel for through hardening with high temperature resistance, through hardenability and toughness							
APPLICATION:	» Extrusion dies, hot-forging tools, dies for processing tin, lead and zinc alloys							
TREATMENT BY:	» Polishing: technical polishing possible» Etching, EDM, nitriding, Hard chrome plating: possible							
HEAT TREATMENT:	slow control further coo Hardening. 830 to 900 keep curing quenching obtainable Tempering slow heatin	°C for about blled cooling ling in air, m : °C g temperatu in oil/water, hardness: 5 :	re for 15 to 3 /compressed 6 HRC	urnace: 10 to 80 minutes	ately after ha		600°C;	

TEMPERING CHART:

