

TELMA KNIFE STEELS - TKS

TKS 767

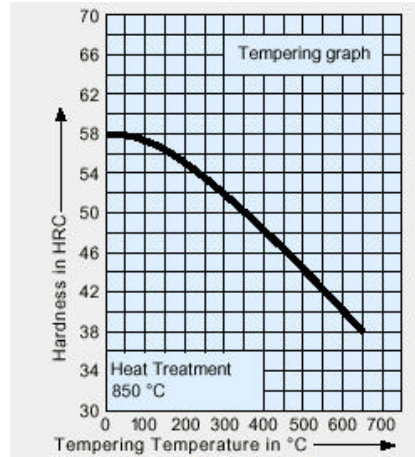
Material no.:
1.2767

Abbreviated name:
X 45 NiCrMo 4

Reference analysis:
C 0.45 Cr 1.4 Mo 0.3 Ni 4.1 in %

Customary applications:

Coining tools subject to the highest requirements regarding ductility, cutlery stamping dies, tools for heavy cold forming, hobs, shears and cutters for cutting very thick material; plastic extrusion and injection moulds which require the optimal ductility in spite of a high degree of hardness



Heat treatment data:

	Temperature	Duration	Cooling
Soft annealing	620 - 650 °C	2 - 5 h	furnace
Stress-relief annealing	600 - 650 °C	2 - 4 h	furnace
Hardening	840 - 870 °C	Group II	oil, air, WB 200 °C
Tempering	180 - 600 °C see tempering graph	min. 2 h depending on cross section	calm air

Continuous time-temperature transformation chart

