

# TELMA KNIFE STEELS - TKS

## TKS 842

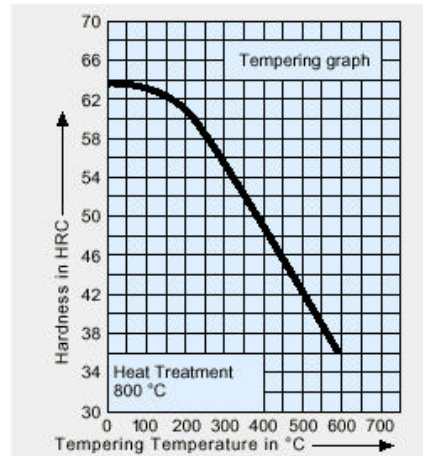
Material no.:  
1.2842

Abbreviated name:  
90 MnCrV 8

Reference analysis:  
C 0.90 Mn 2.0 Cr 0.4 V 0.1 in %

### Customary applications:

Stamping dies, cutters, deep-drawing tools, punches, industrial cutters, cutting tools, measuring tools, extrusion and injection moulds, sprue bushings, closing strips, guide columns



### Heat treatment data:

	Temperature	Duration	Cooling
Soft annealing	680 - 720 °C	2 - 5 h	furnace
Stress-relief annealing	600 - 650 °C	2 - 4 h	furnace
Hardening	790 - 820 °C	Group II	oil
Tempering	180 - 250 °C see tempering graph	min. 2 h depending on cross section	calm air

### Continuous time-temperature transformation chart

