

# T4 1.3255

Comparable standards	Name	Material no.
AISI Type T4	S 18-1-2-5	1.3255

Richtanalyse [%] Typical analysis	C	Cr	Mo	V	W	Co
	0.81	4.30	0.65	1.50	18.0	4.80

Spec. weight	8,7 g/cm <sup>3</sup>	Delivery hardness	max. 265 HB
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**Steel characteristics and application**

*High duty High-Speed-Steel on tungsten base. The Co-content installs a good red-hardness resp. tempering resistance. So the steel is best suited for working conditions where the cutting edges are forced to wear at increased temperature loads.*

Heat treatment	Soft annealing	820 – 850 °C	Furnace cooling	< 550 °C	then air cooling
	Hardening	1260 – 1290 °C	oil /gas-stream /salt bath (550 °C)		
	Tempering	560 – 580 °C	Hardness after tempering approx	min. 3x for 64 – 65 HRC	

Tempering-diagram

