

→ W.NR.:	1.2746
→ EN / DIN:	45NiCrMoV16-6
→ AISI:	/

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo	Ni	V
0.45	0.25	0.70	1.50	0.79	4.00	0.50

→ DELIVERY CONDITION: soft annealed with a hardness of <295 HB

→ PROCESS: conventional

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
610-850 °C	furnace	<295
hardening	quenching	hardness (HRC)
880-910 °C	oil, air, thermal bath 180-220 ° C	56

→ PROPERTIES

This is a special alloy steel with the addition of Ni. When hardened in oil and in the air, this steel achieves high toughness. It is a well-hardened steel. Medium wear resistance and high impact resistance.

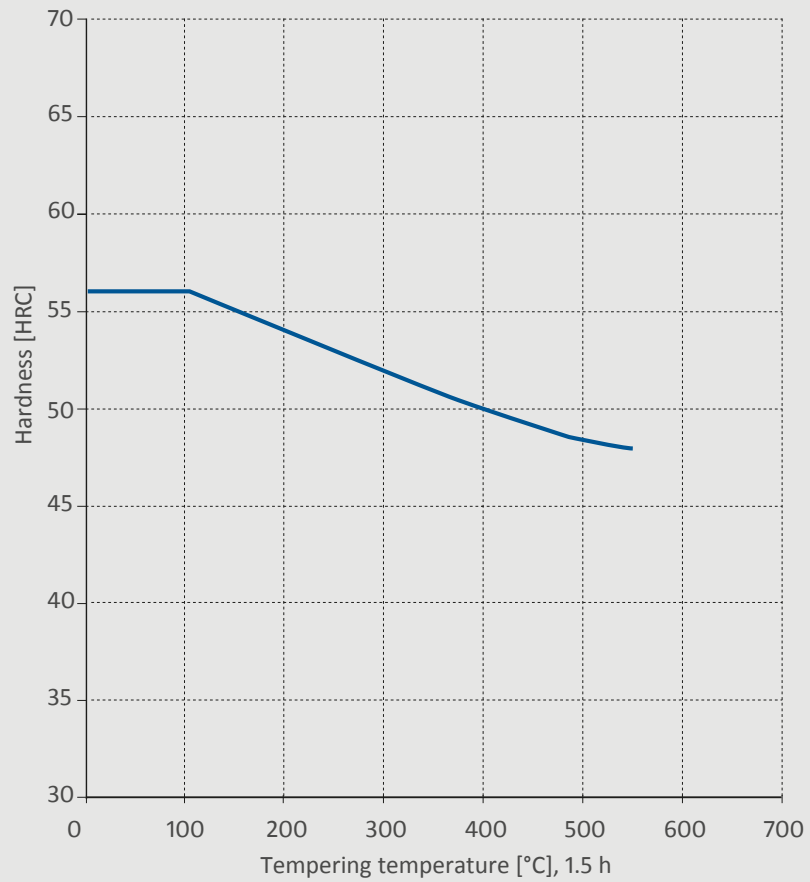
→ APPLICATION

Blades for cutting and grinding waste. For the forging and hot pressing of metal. Punches. Tools for bending. Various moulds and bushes.

→ ULTRASOUND EXAMINATION

EN 10228-3 art.2-4

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DISCLAIMER

The information and data presented herein are typical or average values and are not a guarantee of maximum or minimum values. Applications specifically suggested for material described herein are made solely for the purpose of illustration to enable the reader to make his own evaluation and are not intended as warranties, either express or implied, of fitness for these or other purposes. There is no representation that the recipient of this literature will receive updated editions as the become available.