

→ W.NR.:	1.8159 (EN ISO 4957)
→ EN / DIN:	50CrV4
→ AISI:	6145/6150

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	V	Mo
0.51	Max 0.40	0.90	1.05	0.18	-

→ DELIVERY CONDITION: soft annealed with a hardness of <248 HB

→ PROCESS: conventional

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
640-720 °C	furnace	<217
hardening	quenching	hardness (HRC)
820-860 °C	oil, water	see the scale of discounts

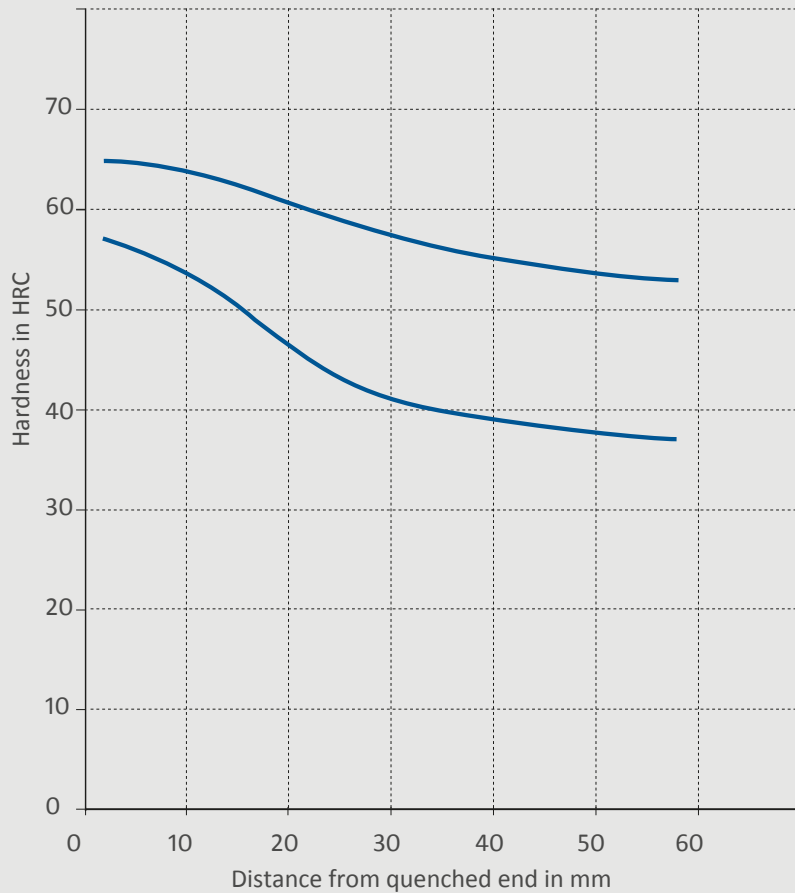
→ PROPERTIES

Spring steel. Low-alloy, special structural Cr-V steel.

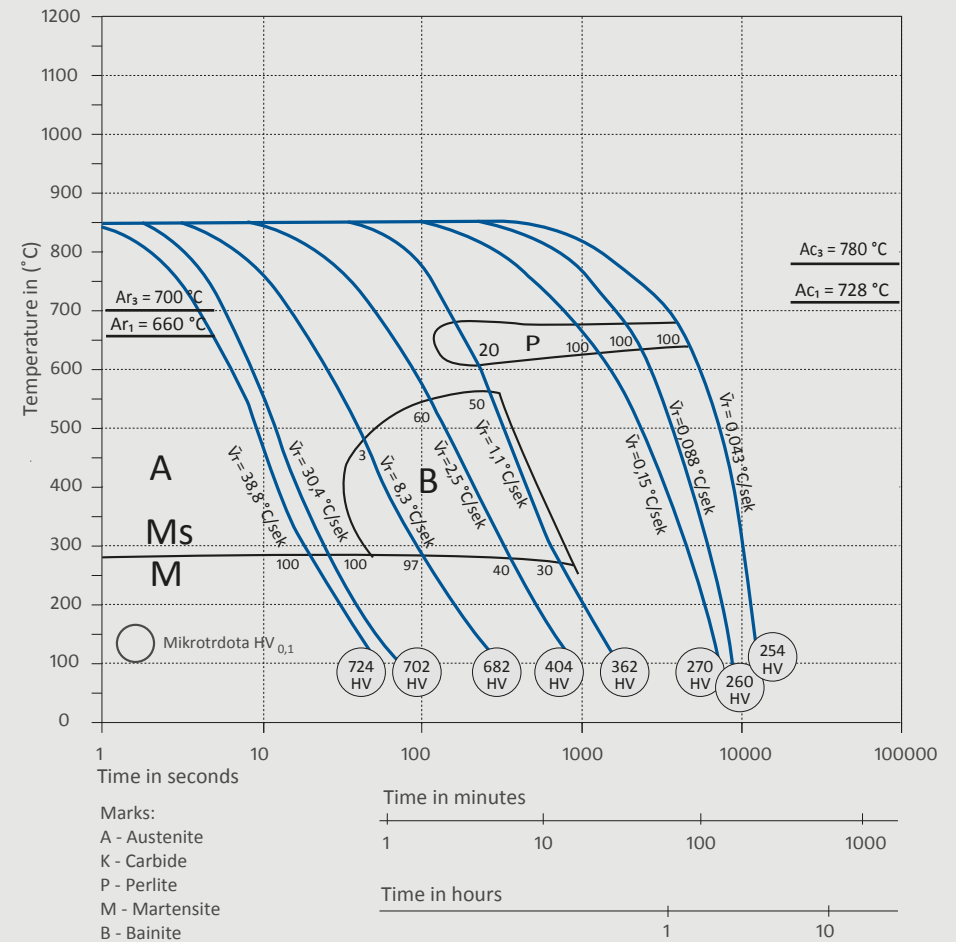
→ APPLICATION

For springs. Can be quenched and surface hardened. Highly-burdened parts for cars, machines, etc.

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cct



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.