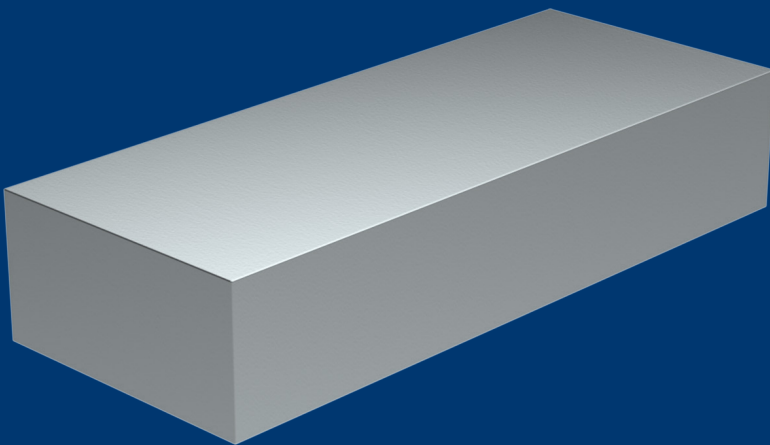


DATA SHEET

SIQUAL^{...}

8159



W.NR.: 1.8159 (EN ISO 4957)

EN / DIN: 50CrV4

AISI: 6145/6150

CHEMICAL COMPOSITION

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

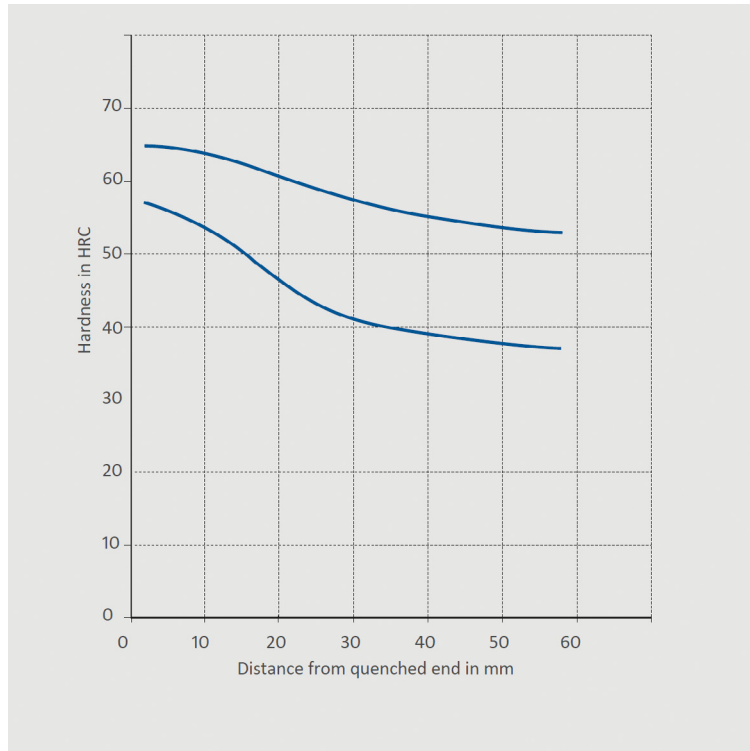
PROPERTIES

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

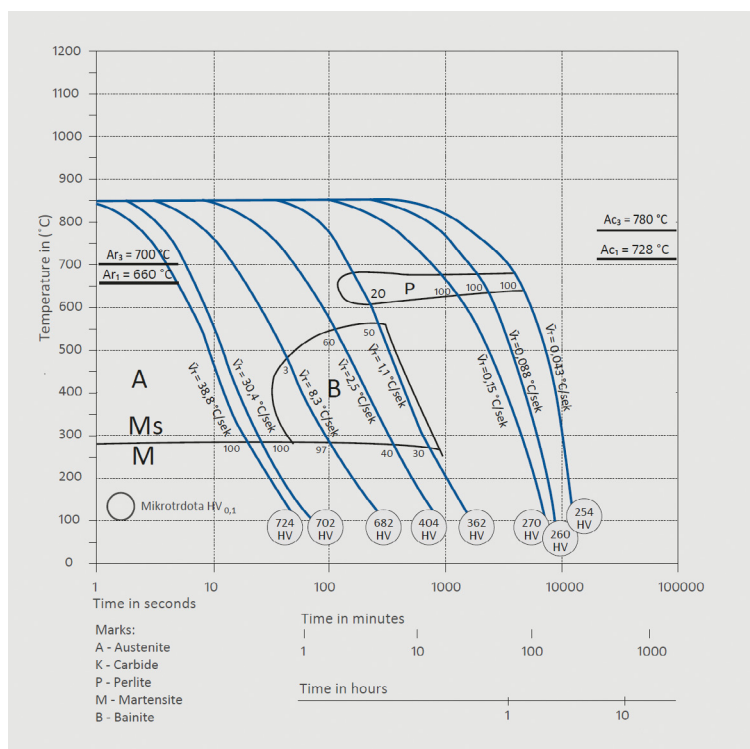
APPLICATION

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

TT



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 they become available.