



Dedicated to quality since 1972

ANAND GROUP OF COMPANIES

1.2714

(SIMILAR TO AISI L6)



Produced by:

Schmiedewerke Gröditz

GmbH . since 1779 . High-Grade Steel



Dedicated to quality since 1972

ANAND GROUP OF COMPANIES

ANAND MOULD STEELS PVT. LTD.

ANAND STEELS & ALLOYS

UNIT 1 :

Plot No. 1442, Road No. 16,
Kalamboli Warehousing Complex,
Kalamboli, Navi Mumbai - 410 218.
Tel.: 91-22-6513 3711 /12
Fax: 91-22-2742 3998
email: ashish@anandsteels.com
Website: www.anandsteels.com

UNIT 2 :

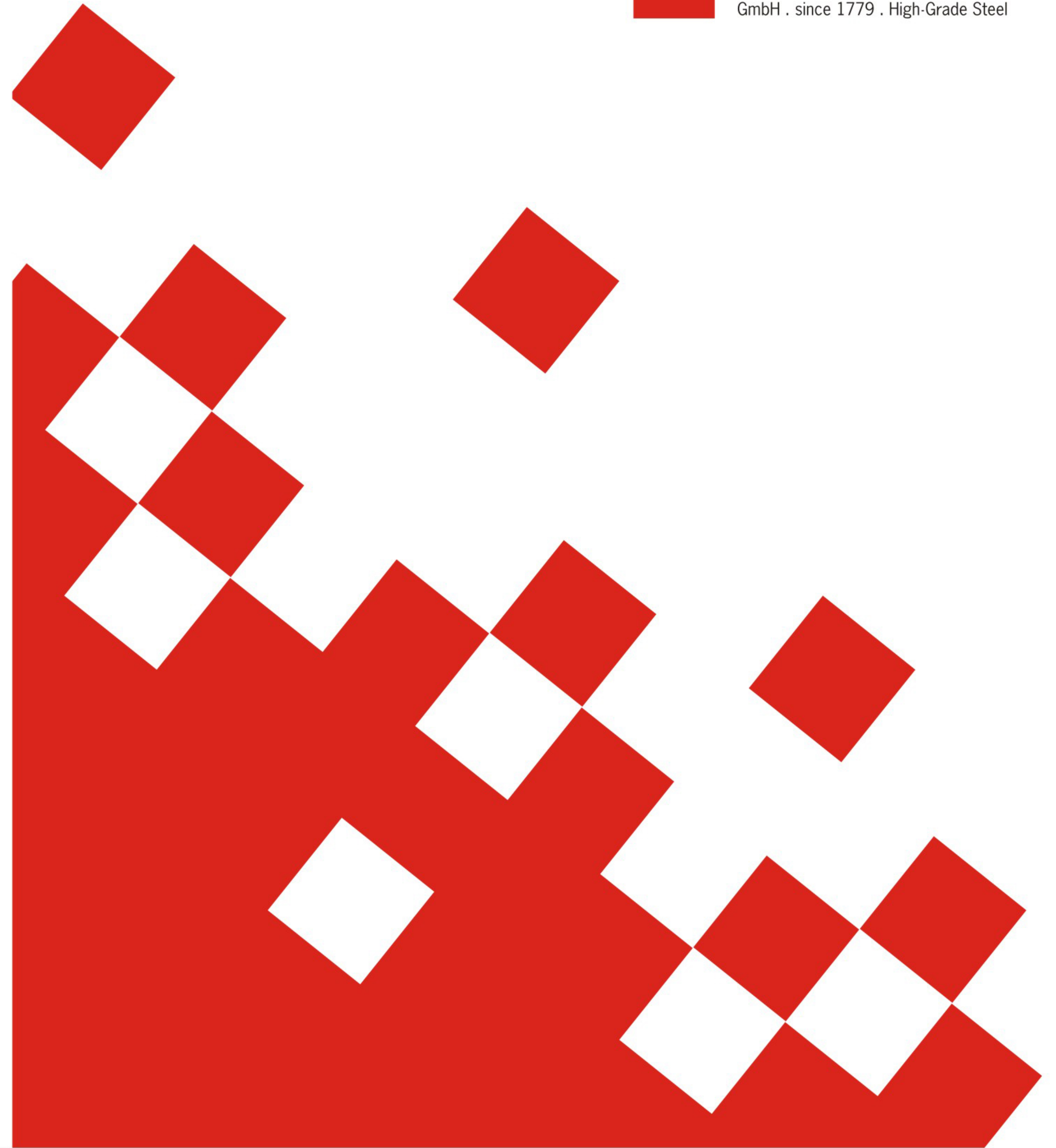
Plot No 9, H. No. 5-5-35/233,
Shaktipuram, Prashanthinagar,
Kukatpally (IE),
Hyderabad - 500 072
Tel. : 040-23078799/4927
email : south@anandsteels.com
website : www.anandsteels.com

UNIT 3 :

Shed No. 6, Subhadra Estate,
Samaipur Road, Sector - 58,
Faridabad 121004. (HR.)
Tel.: 0129 - 4052872
email : north@anandsteels.com
website : www.anandsteels.com

UNIT 4 :

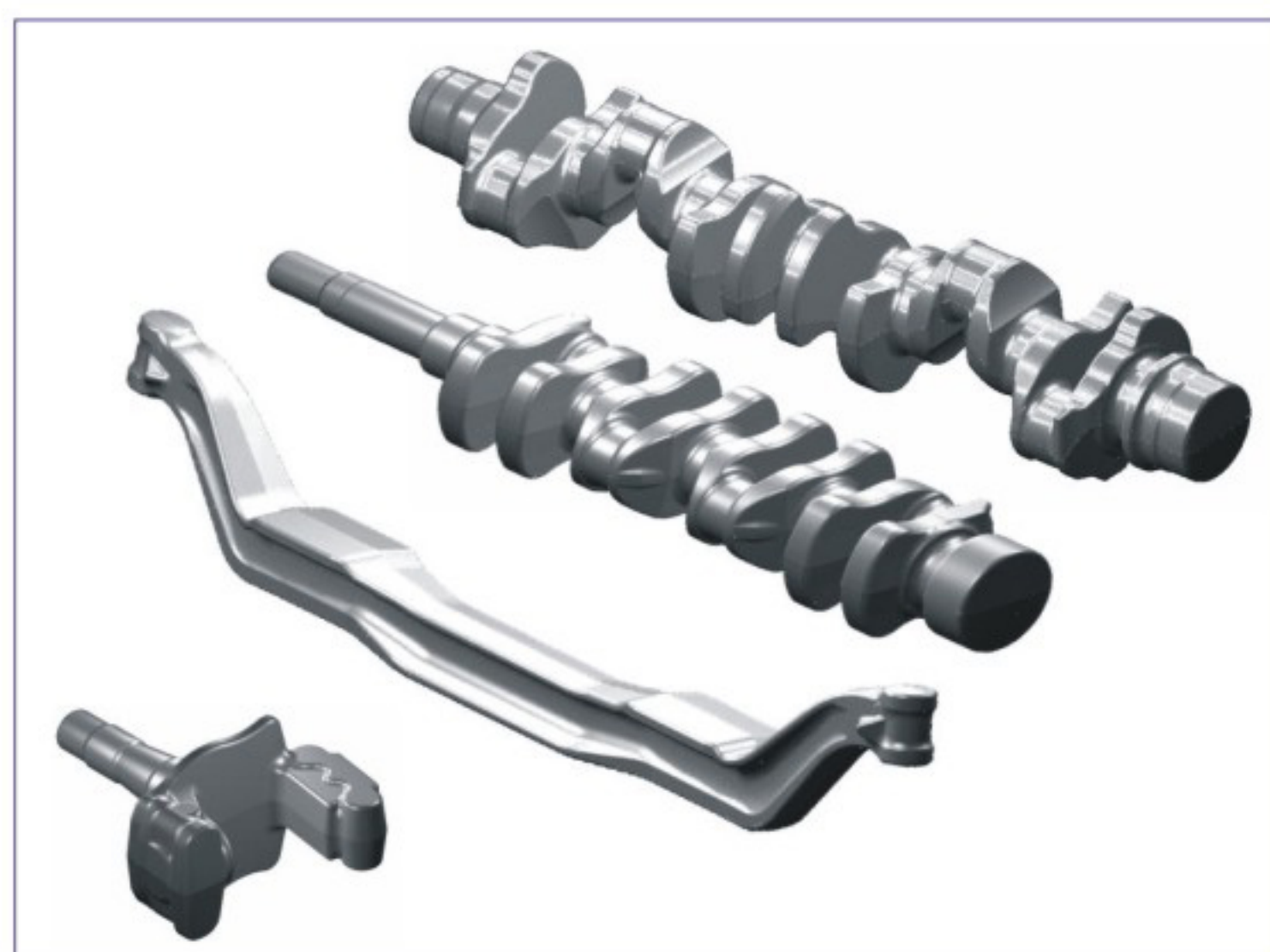
Office 6, Nuttan Bharat Society,
Alkapuri, Vadodara – 390 007.
Mobile : +91 - 9879171221
email : gujarat@anandsteels.com
Website : www.anandsteels.com



1.2714

(Similar to AISI L6)

• ANAND MOULD STEELS PVT. LTD. • ANAND MOULD STEELS PVT. LTD. • ANAND MOULD STEELS PVT. LTD.



GENERAL:

- oil-hardened and air-quenched die steel with good full hardened properties
- toughness
- resistance to heat, also to be used as cold work steel
- suitable for pitting and chrome plating
- polishable

APPLICATIONS :

- forging dies up to the largest dimensions
- forging saddles, - warm shear blades
- extruder tools, - support tools, - die holders
- large moulds for the processing of thermoplastics
- pressing spindles, - shrink rings

CHEMICAL ANALYSIS : %

C	Si	Mn	P	S	Cr	Mo	Ni	V
0,53 - 0,57	0,10 - 0,30	0,70 - 0,90	≤ 0,025	≤ 0,005	1,00 - 1,20	0,45 - 0,55	1,50 - 1,80	0,07 - 0,12

PHYSICAL PROPERTIES :

Coefficient of thermal expansion	20-100°C	20-200°C	20-300°C	20-400°C	20-500 °C
[10 ⁻⁶ m/(m x K)]	12,5	13,1	13,4	13,9	14,0
Thermal conductivity	20°C	350°C	700°C		
[W/(m x K)]	36,0	38,0	35,0		

ULTRASONIC :

ASTM A388 - FBH max. 6 mm (1/4 inch) or
SEP 1921 – test group 3 – class C , c or acc. to your request

CLEANLINESS:

ASTM E45- Method A with type A ≤ 1,5,
B; C and D each ≤ 2 or
DIN 50602– K4 ≤ 30 or acc. to your request

DELIVERY CONDITION:

soft annealed with a hardness of a maximum of 248 HB or
hardened and tempered

SERVICE HARDNESS:

36 - 52 HRC

STRUCTURE:

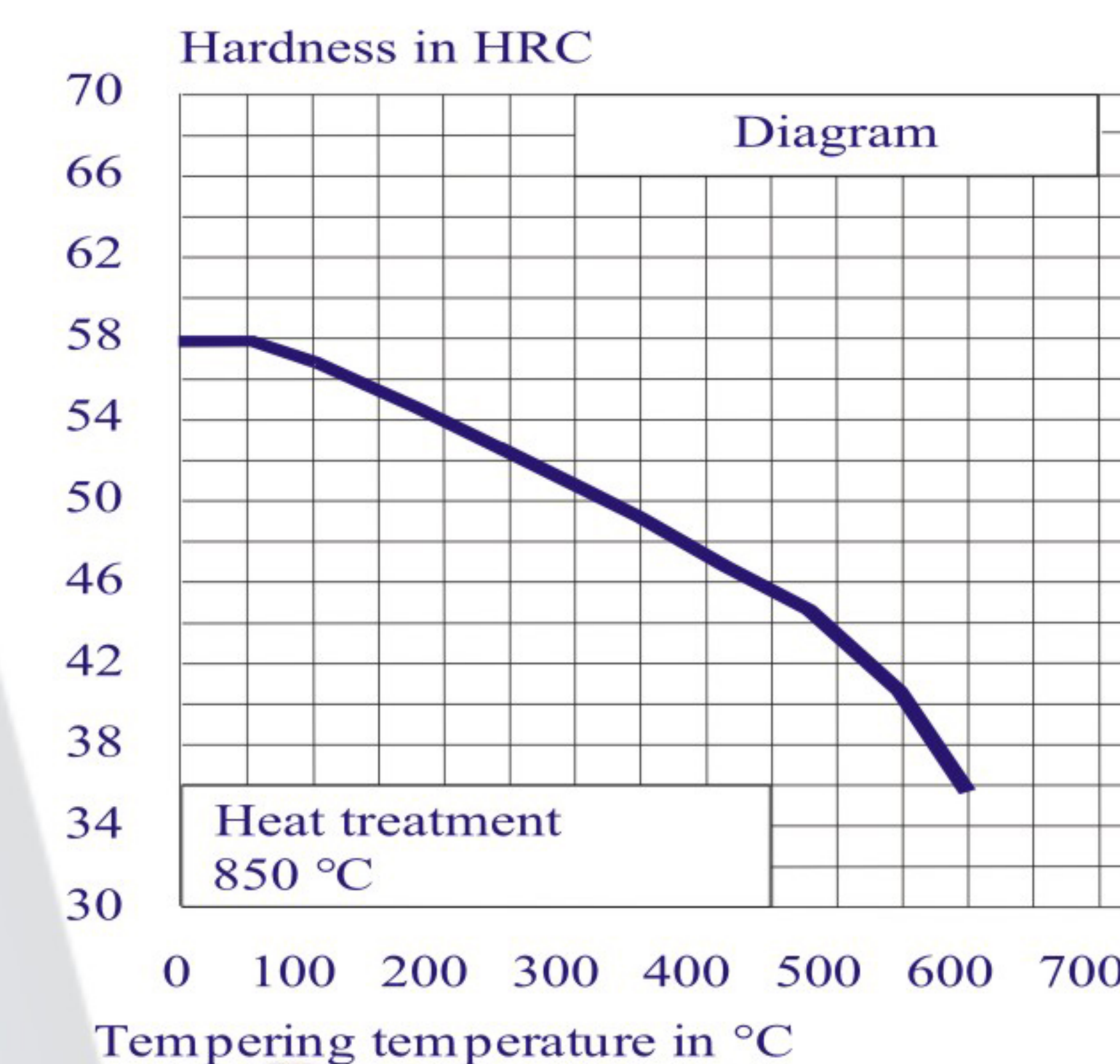
fine bainitic structure

HEAT TREATMENT :

Hot forming	Soft annealing	Hardening	Tempering
1100-850°C	650-700°C	830 – 870 °C	300–600°C #

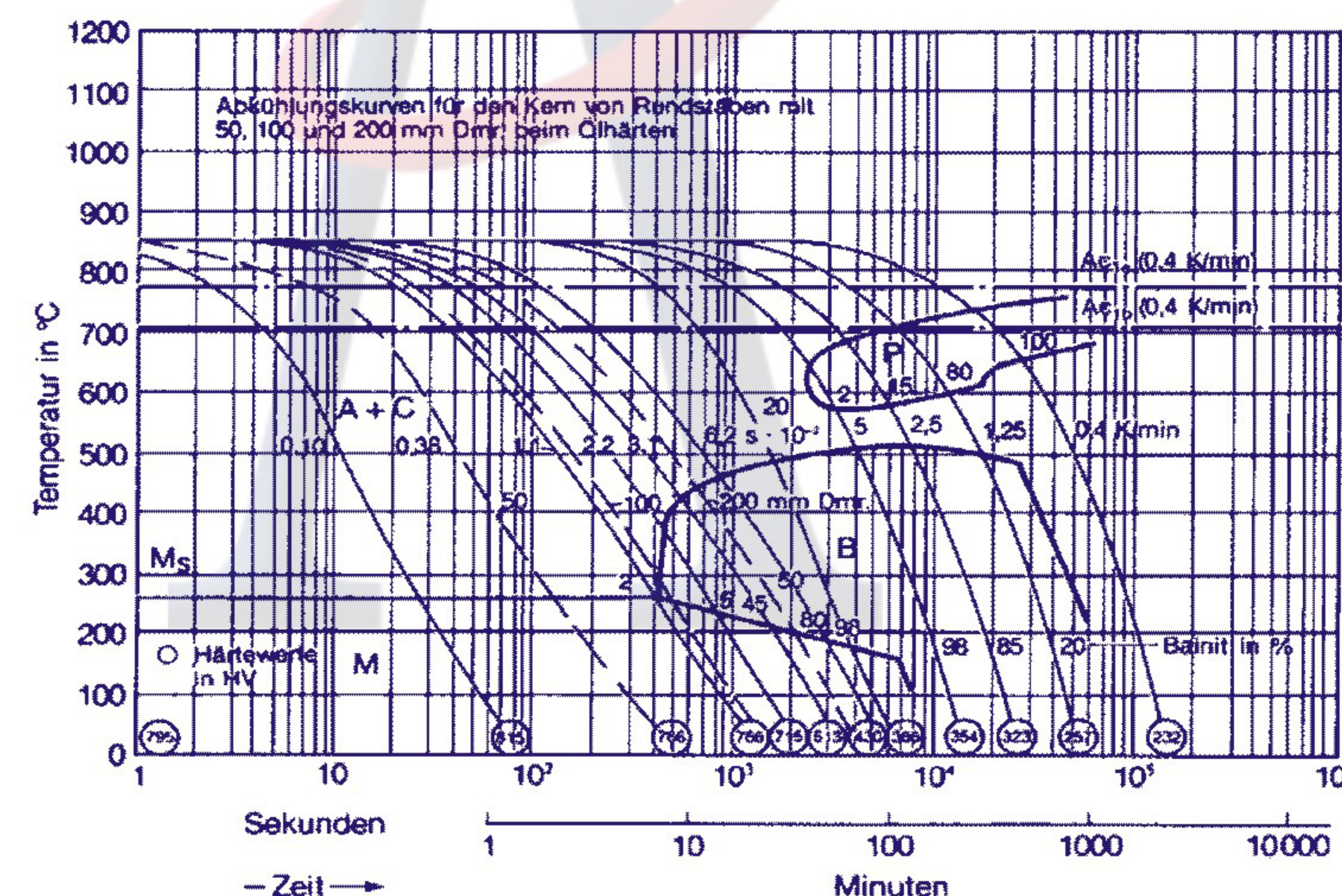
TEMPERING DIAGRAM :

values in HRC
tested on samples
dia. 25 x 50 mm long
hardened at 850 °C in oil



CCT GRAPH :

Kontinuierliches Zeit-Temperatur-Umwandlungsschaubild



DELIVERY SIZES:

diameter – up to 1200 mm or
thickness – up to 1000 mm or acc. to your request

The details and values in this data sheet are typical values, no guarantee promises. Changes of the material, the qualities and/or performance data we reserve for us.