

datasheet.available.designations

datasheet.applications
>

datasheet.norms.materialNumbers		datasheet.norms.norms	
1.2714	SEL	4957	EN ISO
~T61206	UNS	G4404	JIS
55NiCrMoV7	EN		
~L6	AISI		
~SKT4	JIS		

datasheet.chemicalComposition

C	Si	Mn	Cr	Mo	Ni	V
0.55	0.25	0.75	1.10	0.50	1.70	0.10

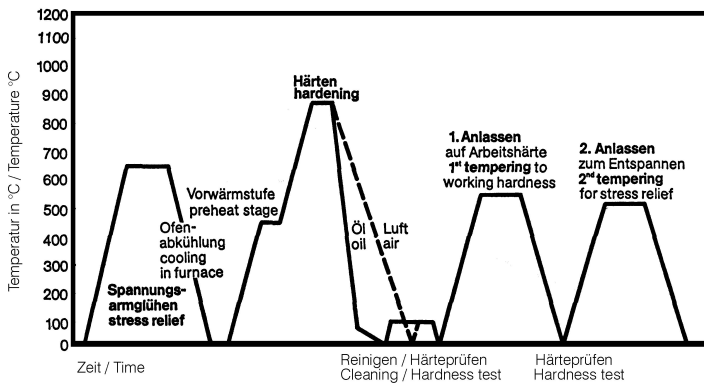
datasheet.materialCharacteristics

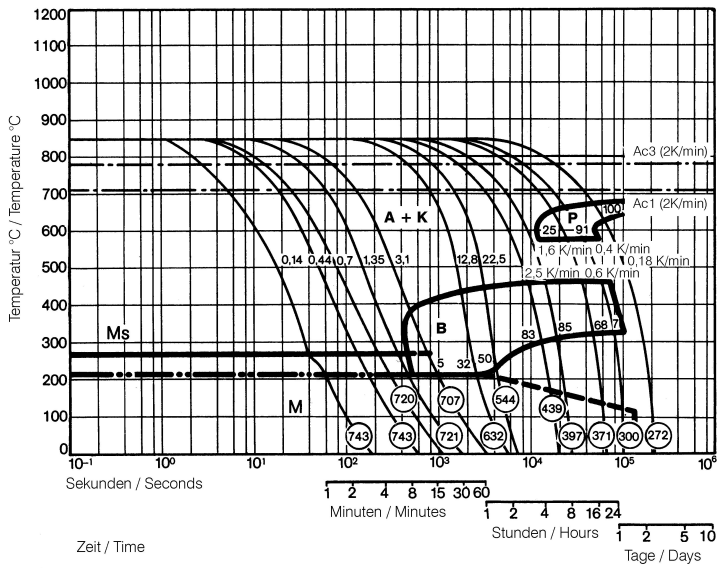
	datasheet.materialCharacteristicsHighTemperatureStrength	datasheet.materialCharacteristicsHighTemperatureStability	datasheet.materialCharacteristicsHighTemperatureCreepResistance	datasheet.materialCharacteristicsWearResistance
BÖHLER W500	★★	★★★★	★	★★★
BÖHLER W300 ISODISC®	★★	★★★	★★	★★★★★
BÖHLER W302 ISODISC®	★★★	★★★	★★★	★★★★★
BÖHLER W303 ISODISC®	★★★★	★★★	★★★★	★★★★★

datasheet.deliveryCondition

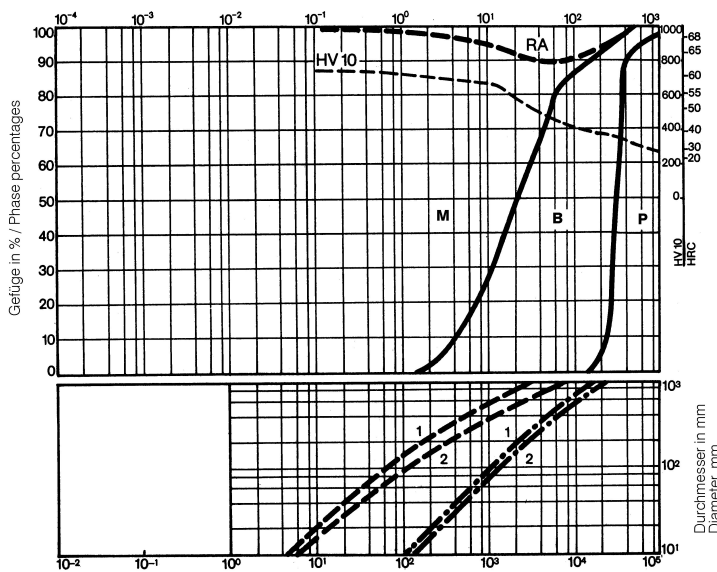
datasheet.heatTreatment

datasheet.temperature (°C)	650 datasheet.delivery-condition.to 700	
datasheet.temperature (°C)	600 datasheet.delivery-condition.to 650	
datasheet.temperature (°C)	830 datasheet.delivery-condition.to 870	
datasheet.temperature (°C)	870 datasheet.delivery-condition.to 900	

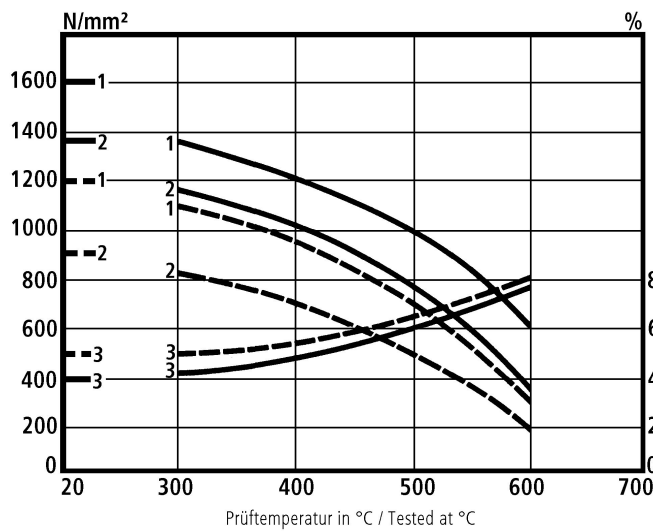
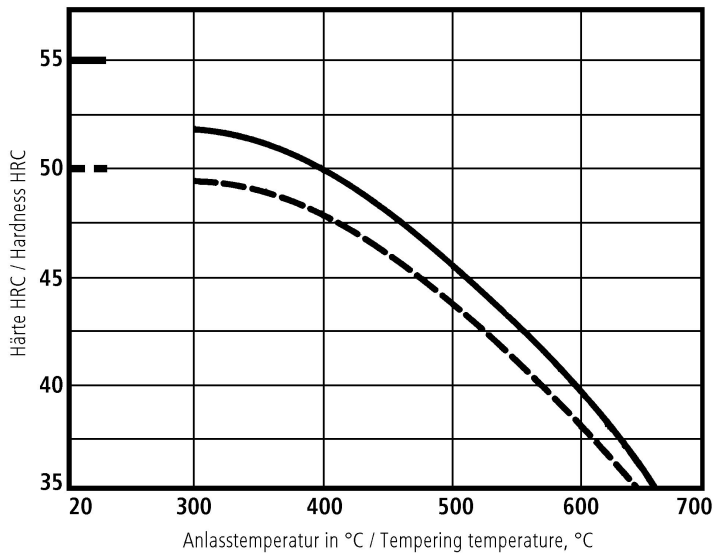




Abkühlungsparameter λ / Cooling parameter λ .



Kühlzeit von 800°C auf 500°C in Sek. / Time of cooling from 800°C to 500°C (1472 - 932°F) in seconds



datasheet.physicalProperties.temperature (°C)	20
datasheet.physicalProperties.density (kg/dm ³)	7.8
datasheet.physicalProperties.thermalConductivity (W/(m.K))	36
datasheet.physicalProperties.specificHeat (J/(kg.K))	460
datasheet.physicalProperties.electricalResistance (Ohm.mm ² /m)	0.3
datasheet.physicalProperties.elasticModulus (10 ³ N/mm ²)	215

datasheet.thermalExpansions.headline

datasheet.temperature (°C)	100	200	300	400	500	600	700
datasheet.thermalExpansion (10^{-6} m/(m.K))	12.5	13.1	13.4	13.9	14	14.3	14.5

datasheet.more-info

voestalpine BÖHLER Edelstahl GmbH & Co KG

Mariazeller Straße 25

8605 Kapfenberg, AT

T. +43/50304/20-0

E. info@bohler-edelstahl.atwww.voestalpine.com/bohler-edelstahl

W500 EN_US - 04.2022

voestalpine

ONE STEP AHEAD.