

This page is mainly introduced the XH55BMTΦK/Ю-ВД? Datasheet, including chemical information, mechanical properties, physical properties, mechanical properties, heat treatment, and Micro structure, etc. It also contains the use of XH55BMTΦK/Ю-ВД?, such as it is commonly used in bars, sheet, plates, steel coils, steel pipes, forged and other materials application.

Datasheet for Steel Grades Specialsteel XH55BMTΦK/Ю-ВД

XH55BMTΦK/Ю-ВД? Standard Number:

ITEM	Standard Number	Descriptions
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XH55BMTΦK/Ю-ВД? Chemical composition (mass fraction) (wt.%)

Chemical	Min.(%)	Max.(%)
C	0.04	0.10
Si		0.45
Mn		0.35
P		
S		
Cr	9.00	12.00
Ni		remaining
Mo	4.00	6.00
Al	3.60	4.50
Ti	1.40	2.00
Fe		5.00
Co	12.00	15.50
W	4.50	6.00
V	0.20	0.80
B		0.020

C	Si	Mn	P	S	Cr	Ni	Mo	V	Ta
W	N	Cu	Co	Pb	B	Nb	Al	Ti	Other

Russia GOCT standard deformation of high temperature alloy grades

and chemical composition

XH55BMT?K/?-B? Physical Properties

Tensile strength	115-234	σ_b /MPa
Yield Strength	23	$\sigma_{0.2} \geq$ /MPa
Elongation	65	$\delta_5 \geq$ (%)
ψ	-	$\psi \geq$ (%)
Akv	-	Akv \geq /J
HBS	123-321	-
HRC	30	-

XH55BMT?K/?-B? Mechanical Properties

Tensile strength	231-231	σ_b /MPa
Yield Strength	154	$\sigma_{0.2} \geq$ /MPa
Elongation	56	$\delta_5 \geq$ (%)
ψ	-	$\psi \geq$ (%)
Akv	-	Akv \geq /J
HBS	235-268	-
HRC	30	-

XH55BMT?K/?-B? Heat Treatment Regime

Annealing	Quenching	Tempering	Normalizing	Q & T
√	√	√	√	√

XH55BMT?K/?-B? Range of products

Product type	Products	Dimension	Processes	Deliver Status
Plates / Sheets	Plates / Sheets	0.08-200mm(T)*W*L	Forging, hot rolling and cold rolling	Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting
Steel Bar	Round Bar, Flat Bar, Square Bar	ϕ 8-1200mm*L	Forging, hot rolling and cold rolling, Cast	Black, Rough Turning, Shot Blasting,
Coil / Strip	Steel Coil /Steel Strip	0.03-16.0x1200mm	Cold-Rolled & Hot-Rolled	Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting
Pipes / Tubes	Seamless Pipes/Tubes, Welded Pipes/Tubes	OD:6-219mm x WT:0.5-20.0mm	Hot extrusion, Cold Drawn, Welded	Annealed, Solution and Aging, Q+T, ACID-

				WASHED
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We can produce Specialsteel the specifications follows: