

Database of Steel and Alloy (Marochnik)

splav.kharkov.com/en

[Home](#) [European steel grades](#) [Steel and Alloy](#) [Search](#) [Equivalent grades](#) [Grading](#) [GOST Standard](#) [Contacts](#)

YOU HERE: [Steel and Alloy](#) -> [Stainless steel](#)

Characteristics for grade N70MFV (H70MΦB).

Grade :	N70MFV (H70MΦB) (ЭП814А)
Classification :	Corrosion-resistant alloy
Equivalent grades:	Go here

Chemical composition in % for grade N70MFV (H70MΦB)

Fe	C	Si	Mn	Ni	S	P	Cr	Mo	W	V	Ti
max 0.8	max 0.02	max 0.1	max 0.05	69.403 - 73.5	max 0.012	max 0.015	max 0.3	25 - 27	0.1 - 0.45	1.4 - 1.7	max 0.15

Mechanical properties under T=20°C for grade N70MFV (H70MΦB)

Assortment	Dimension	Direct.	σ_B	σ_T	δ_5	ψ	KCU	Heat treatment
-	mm	-	MPa	MPa	%	%	kJ / m ²	-
Sheet, GOST 24982-81			780	365	40			Guenching 1050 - 1090°C,

Equivalent steels for grade N70MFV (H70MΦB)

Warning! Indicated both exact and nearest equivalents.

USA	Germany
-	DIN, WNr
HastelloyB-2	1736T1 2.4617 NiMo28

Specification :

Mechanical properties :

σ_B	- Tensile strength , [MPa]
σ_T	- Yield stress , [MPa]
δ_5	- Specific elongation at fracture , [%]
ψ	- Reduction of area , [%]
KCU	- Impact strength , [kJ / m ²]
HB	- Brinell hardness , [MPa]

Database of steels and alloys (Marochnik) contains information about chemical composition and properties more then 2500 steels and alloys (stainless steel, alloy steel, carbone steel, structural steel, tool steel, cast iron, aluminum alloy, titanium alloy, copper alloy, nickel alloy, magnesium alloy and others).
Helpfull for specialists in grade technology, structural engineer, mechanical engineer, metallurgy and metal trader

[Top](#)

© 2003 - 2013 All rights reserved. [About program.](#)

The entire risk as to use of the Database of Steel and Alloy (Marochnik) content is assumed by you the user

