

ROC / ABRO Mn

WATER OVER QUENCHED

— **ROC Mn** contains 11 - 14 % Manganese, over quenched, fully austenitic and then is non-magnetic, work hardening steel with an exceptionally high level of wear resistance when subjected to impact or high pressure in service.

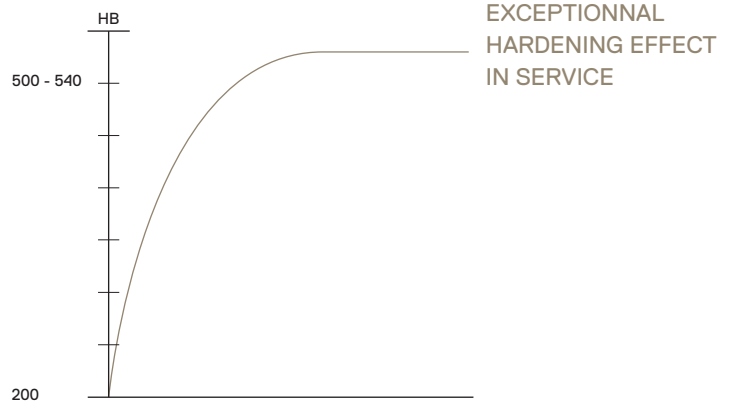
— **Internationals standards:**
EN: X120Mn12 or WN^o: 1.3401 or HADFIELD.

Chemical composition

C	Si	Mn	P	S
≤ 1.35	0.20	≤ 14	0.035	0.035

Mechanical properties in delivery condition

Hardness (HB) Ys (MPa)	UTS (MPa)	E (%)	
≤ 200	315	880	40



Processing information

— **Cutting:**

Only with plasma or laser.

— **Forming:**

Cold bending and rolling are easy to perform (at workshop temperature >10 °C). It's not recommended to form in any area, hardened due to shearing operation (grinding requested)

— **Drilling:**

Please contact us for any machining aspect.

— **Welding:**

Use stainless welding products (class AWS A5.4 E 307 or 5.4 E 3.8MO)

Thickness range (mm)	Size range (mm)
3 - 30	W: 1000 x 3000 / L up to 6000

General note

— If further informations are required, please request a copy of our technical guide.

Contact

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