

Material	Norminal Thickness (t)(mm)	BHN Hardness	Tensile Strength* (MPa)	Yield Strength* (MPa)	Minimum Elongation* (%)	Impact Strength (J)	Bendability (Bend Radius)	Mill Certificate	Weldability	Comments
Mild Steel (Commercial Quality) For comparison only	4,5-150	±120	±380	±230	±20	Not guaranteed	Not guaranteed. Min.3t suggested	Not Applicable	Acceptable	Low cost; Ceq;<0.5%; poor wear-resistant properties, readily available
Wearplate 200/ BENNOX	5 - 50	±200	650-780 (Not measured or guaranteed)	420-530 (Not measured or guaranteed)	14 (Not measured or guaranteed)	Poor	Poor	Mandatory (Analysis only)	Poor	Low Cost, fair wear, high carbon poor fabrication characteristics; Early generation wear-resistant steel
ROQ Last TH400 (Ex Iscor, SA)	6 - 32	380 Min	1350 (Not Measured or guaranteed)	90-95% of UTS	12 (Not measured or guaranteed)	12-30@-40 °c (guaranteed)	3t-5t**	Mandatory	Good with pre-heating & L.H. practice. Inter-pass temp. <250°c	As above and Pcm≤0,229. Up to 20mm thickness. Consult ISCOR-Brochure/ Data Sheet
XAR 400 (Ex thyssen Stahl, Germany)	6-100	360Min	1350 (Not measured or guaranteed)	90-95% of UTS	12 (Not measured or guaranteed)	12-30@-40°c (guaranteed)	2,5-3,5t**	Mandatory	Good with pre-heating % L.H. practice. Inter-pass temp. <250°c	Excellent wear resistant, impact and fabrication properties. Shot blasted and painted. Consult Universal Brochure/Data Sheet
XAR 500(Ex Thyssen Stahl. Germany)	6 - 50	477Min	1650(Not Measured or guaranteed)	90-95% of UTS	12 (Not measured or guaranteed)	25@-40 °c (Typically)	12t**	Mandatory	Good with pre-heating % L.H. practice. Inter-pass temp. <250°c	Limited formability; extremely high wear and impact resistance. Shot blasted and painted. Consult Universal Brochure / Data Sheets
400 CR (Ex Salzgitter AG)	6 - 50	±340	1150 (Typically)	850 (Typically)	12 (typically)	30@-20 °c (Typically)	4t	Mandatory	Good with L.H. Practice	Word hardenable; properties stable up to 500 degrees celcius ; Cr. Content improves corrosion resistance. Consult Universal Brochure / Data Sheets
500 CR (Ex Salzgitter AG)	6 - 32	±450	Applicable for structural applications only!					Mandatory	Good with L.H. Practice	Word hardenable; properties stable up to 500 degrees celcius ; Cr. Content improves corrosion resistance. Consult Universal Brochure / Data Sheets
CROME CARBIDE 600BHN Overlay plate	10 - 25	Average up to 600	N/A	N/A	N/A	Poor	Rolling only	N/A	Good on Backplate	Word hardenable; properties stable up to 500 degrees celcius ; Cr. Content improves corrosion resistance. Consult Universal Brochure / Data Sheets
		*DEPENDING ON PLATE THICKNESS								
SPECIFICATION GUIDE TO WEAR AND RESISTANT STEELS										