Raex 400, thickness 80.01 – 120.00 mm

Raex is abrasion resistant steel which is developed for wear and tear in any condition.

Heavy plates. Dimensions

Thickness mm	Width mm	Length mm
80.01 – 120.00	1 800 – 2 500	2 000 – 6 100

Max plate weight is 8000 kg (9000 kg as special request)

Tolerances and Surface quality

Thickness: EN 10029 Class A.
Flatness: EN 10029 Class N.
Surface quality: EN10163-2 Class A 3.

Hardness

Hardness Min HBW
360

Brinell hardness is measured according to EN ISO 6506-1 on milled surface 0.3-3.0mm below surface. Hardness value is being announced in the material certificate.

Chemical composition (ladle analysis). The steel is grain refined

C % Max	Si % Max	Mn % Max	P % Max	S % Max	Cr % Max	Ni % Max	Mo % Max	B % Max
0.23	0.80	1.70	0.025	0.015	1.50	1.00	0.50	0.005

Carbon equivalent

CET Typical	CEV Typical
0.37	0.56

$$CET = C + \frac{Mn + Mo}{10} + \frac{Cr + Cu}{20} + \frac{Ni}{40}$$

$$CEV = C + \frac{Mn}{6} + \frac{Cr + Mo + V}{5} + \frac{Cu + Ni}{15}$$

Inspection document

EN 10204:2004 Inspection certificate 3.1.

Contact and Information

Tech Support will be pleased to assist you with additional information concerning this SSAB product.