THYBRASTEEL 300

Wear-resistant steel with average hardness of 300 HB

Applications areas

These grain fine weldable structural steels, with their resistance to wear by mechanical abrasion are used for production parts for quarrying machines, scrapers, mixers, chutes, diggers, excavators, levellers, crushers, hoppers, dust removal systems, ect.

Chemical composition

in %

C	Si	Mn (1)	P	S	Cr	Mo
≤ 0,24	≤ 0,80	≤ 1,80	≤ 0,030	≤ 0,025	≤ 1,60	≤ 0,40

Mechanical properties

Thickness mm	Hardness(1) HB	U.T.S.(2) MPa	Y.S. 0.2%(2) MPa	KV at - 20 °C(2) long. Joules
e ≤ 15	265-340	≥ 900	≥ 700	≥ 11
e > 15	250-340	≥ 800	≥ 600	≥ 15

Available stock

Rolled plates

Format, mm	Thickness, mm										
	3	4	5	6	8	10	12	15	20	25	30
1000 x 2000	●	●		●	●	●		●			
1500 x 3000			●	●	●	●	●	●			
1500 x 6000				●	●	●	●	●			
2000 x 6000				●	●	●	●	●	●	●	●