THYBRASTEEL 400

Wear-resistant steel with average hardness of 400 HB

Applications areas

These steels can be used for constructions likely to suffer high wear, for ex. demolition and landscaping machinery, handling and crushing installations, scrap bailing presses and other crushing machines. The machining and application technique is vital for good results with these products. The machining manager must check that the chosen design and the transformation methods used are suitable for the planned use.

Chemical composition

in %

C	Si	Mn	P	S	Cr	Mo	Ni
≤ 0,18	≤ 0,50	≤ 1,40	≤ 0,015	≤ 0,005	≤ 1,00	≤ 0,50	≤ 0,80

Mechanical properties

Hardness(1) HB	U.T.S.(2) MPa	Y.S. 0.2%(2) MPa	Elongation(2) %	KV at - 20 °C(2) long. Joules
360-440	1300	1100	12	35

Available stock

Rolled plates, hardened and tempered

Format, mm	Thickness, mm															
	3	4	5	6	8	10	12	15	20	25	30	35	40	45	50	60	70
1000 x 2000			●	●	●	●	●	●	●								
1500 x 3000	●	●	●	●	●	●	●	●	●								
2000 x 6000			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2500 x 6000		●	●	●	●	●		●									