



## ABRASION RESISTANT PLATES

Abrasion resistant steel is used every bit as a part of regions where there is prone to be a high degree of abrasion area or wear of the steel plate. Average applications are in truck couches, connections to diggers and earth movers and in preparing applications in the mining business.

The key quality for wear resistant steels is their hardness. We offer wear plate as per its hardness measured on the Brinnell Hardness Test- for the most part in 400HB evaluations.

400 HB steel is in excess of 3 times harder than soft steel (120HB), even only a third as strong as stainless steel (1250HB). Sample exercises are for development apparatus, skips, bulldozers and excavators, buckets and conveyors.

Steels with a high HB rating (Briness Hardness) are proposed for applications where wear or scraped area safety is critical. The profit of utilizing abrasion resistant steel is that the plant, apparatus or developments working life can be amplified extensively. This can fundamentally enhance the unwavering quality, toughness and well being of structures and gear. It additionally helps to diminish the support expenses connected with wear and breakdown of plant.

The steel is extinguished which gives wear safety; to enhance hardness, it might also be tempered. Bring down HB's for the most part give great cool twisting properties and great weldability. Weldability is not, by and large lessened as the hardness increments.

Wear resistant steels are not fitting for utilization at temperatures in excess of 250

### **CHHAJED STEEL & ALLOYS PVT.LTD.**

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### **WORKS PLACE-I**

E11, BALAJI PLAZA, VILLAGE – USATANE, TAL - AMBERNATH, DIST – THANE, MUMBAI – 421 306

### **WORKS PLACE-II**

NAVKAR CUTTER, PLOT NO – M 68, MIDC, TALOJA INDL AREA, RAIGAD, NAVI MUMBAI – 410 208



degree C as the hotness can result in changes to the material properties.

Yields for 400HB steel are in the region of 100MPA with tough qualities of around 1250MPA.

It is not enrolled at universal standard affiliation, for example, ASTM Jin, Din so each one production has their Brand name like HARDOX, SUMIHARD, RAEX, JFE, XAR, BIS.

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