



## HITEN 780LE



The Hiten 780LE is a high quality steel plate fabricated utilizing a Micro-alloying and Thermo Mechanically Controlled Process. This methodology permits this plate to have an unrivalled surface quality, fantastic weldability, better framing and higher charpy values than extinguished and tempered plate. A brilliant substitute for A514.

HITEN 780LE are made by utilizing heading advances including controlled moving and least micro-alloying, subsequently, giving great weldability and high sturdiness over in low temperature (-40°C) locales.

**Mechanical Properties: Tensile:** 113ksi-135ksi

**Yield:** 100ksi min

**Elongation:** 16% min in 2", Typical 33% in 2"

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

31, SANGHAVI SADAN, 4TH KHETWADI LANE, S.V.P ROAD, MUMBAI – 400 004.

Contact: Mukesh Mehta

Phone: +91 09821513630 / Phone: +91 09321113630

Tel: 022- 2386 1894 / Tel: 022- 2389 3666

Email: [chhaged@vsnl.com](mailto:chhaged@vsnl.com), [info@wearplates.co.in](mailto:info@wearplates.co.in), [mukesh@chhagedsteel.com](mailto:mukesh@chhagedsteel.com)

### **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



**Charpy Values:** Minimum of 20 Joules @ -40° Celsius, Typical 145 Joules @ -40° Celsius

**Brinell:** 235—293 is typical, but it is not usually indicated on the MTR's

### CHEMICAL COMPOSITION

Brand name (applicable plate thickness)	Chemical composition (%)												Tensile test			
	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	Yield point or proof stress (N/mm <sup>2</sup> )	Tensile strength (N/mm <sup>2</sup> )	Elongation Thick ness (mm)	Min.elon gation (%)
Hiten 780LE (6-200mm)	0.16	0.10	0.60	0.020	0.015	0.150	0.40	0.10	0.10	0.05	0.02	506	507	16	16	No .5

### Applications:

- Bridges
- Oil Tanks
- Various Spherical Holders
- Various Offshore Structures
- Gates, Penstocks

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- Civil Engineering and Industrial Machinery

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