



50C

0.45\*\*

55C

0.51

\*\* 0.47% for plates >16mm

\* if copper addition is specified, 0.02% shall be added to the permitted max C equivalent value specified above

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

5) For material in 50c over 10mm thick a max C of 0.22% is permitted.

6) For material 50 C over 16mm thick a max C of 0.20% is permitted.

7) For material 50C, C and Mn may be varied on the basis of an increase of 0.06% Mn for each .

decrease of 0.01% C or vice versa up to a max Mn of 1.60% and a max C of 0.22% for 50C & 55C.

8) May be water-quenched and tempered.

9) Up to and including 5mm thick 16% for 40A, and 15% for 55C.

10) For material ≤ 6mm thick tensile strength and elongation tests not required.

11) Only if specified.

12) Min yield strength 230N/mm<sup>2</sup> for material ≤ 19mm thick.

13) Min yield strength 245N/mm<sup>2</sup> for material ≤ 19mm thick.



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