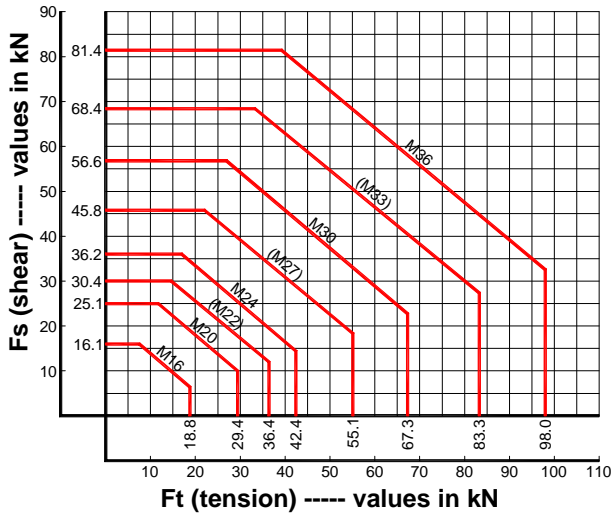




BOLT LOAD CAPACITY DIAGRAMS TO BS449 (THE ALLOWABLE STRESS METHOD ie. NON FACTORED APPLIED LOADS)

Grade 4.6 Bolts to BS4190



Notes :

- 1) These tables are for :-
I.S.O. Metric Coarse Thread Bolts
- 2) The combined shear and tension
 $\frac{V_{app}}{V_{cap}} + \frac{T_{app}}{T_{cap}} \leq 1.4$
- 3) The allowable stresses of the bolts are :-
(N/mm²) Grade 4.6 Grade 8.8
 σ_t 120 281
 σ_v 80 187
- 4) The effective areas of the bolts are :-
a) A_t = Gross area (tensile area)
b) A_v = Nominal area (nominal diameter)

Grade 8.8 Bolts to BS3692

