

Silver Steel Technical Data

Typical Properties as supplied:

Hardness (Brinell)	180-285
U.T.S (Tons/sq. inch)	40-60
Yeild Point	35-50
Torsional Stress	22-33
Shear Stress	24-36
Elongation % (2GL)	35-20
Reduction of Area %	45-30
Density	7.83grms/cc

The above figures are for guidance only and do not form part of a specification

Mean Coefficient of Expansion

0° - 700°	14.69×10^{-6}
Modulus of Elasticity (Youngs)	$E - 30 \times 10^6 \text{ lbs/inch}^2$
Modulus of Rigidity or Modulus of Transverse Elasticity	$0 = 12 \times 10^6 \text{ lbs/ins}^2$