

### Grade

1.4401/1.4005. Martensitic grade. Free machining stainless steel. EN 10088-3. ASTM A582

Composition	
Element	Weight%
Carbon	0.15 max
Silicon	1 max
Manganese	1.5 max
Phosphorus	0.06 max
Sulphur	0.35 max
Molybdenum	0.6 max
Chromium	12 - 14
Manganese	1.5 max

Notes: Excellent machining characteristics, highest of any stainless steel grade. Can be hardened to 26-32 HRC.

### Application

Shafts, screw machine parts, pump parts, fasteners and fittings, valve components, axles, gears, bolts and nuts. Washing machine components.

### Mechanical Properties

Can be supplied annealed. Typically supplied in the hardened and tempered condition. Average values for which are below.

Property	Values
0.2% Yield Strength	65 KSI min (448 MPA min)
Ultimate Tensile Strength	90 KSI min (621 MPA min)