



# General Information Sheet

## Handles/Pilot Lights/Pushbuttons Stainless Steel 316 BS EN 10088-3 (1.4404)

### Chemical Composition

Carbon	0.07% max
Silicon	1% max
Manganese	2% max
Nickel	14% max
Chromium	18.5% max
Molybdenum	3% max
Sulphur	0.03% max
Phosphorus	0.045% max

### Mechanical Properties

0.2% Proof Stress (MPa)	170 min
Tensile Stress (MPa)	485 min
Elongation (%)	40 min
Brinell Hardness Number	217 max

### Physical Properties

Coefficient of Thermal Expansion per °C	$16 \times 10^{-6}$
Thermal Conductivity at 100°C	16.3W/(m.k)
Specific Gravity	8g/cm <sup>3</sup>

### Corrosion Resistance

Resistance to corrosion in most atmospheric environments is high. 316 is regarded as a marine grade stainless steel, but may exhibit surface corrosion in many marine environments.