

Product Information Sheet

ISSUE A

ALLOY 274

A. W. Fraser Alloy 274 is pure 62/38 brass possessing very high ductility, making it suitable for riveting, staking and bending operations.

The alloy has a low lead content (less than 0.1%).

The composition of A. W. Fraser alloy 274 is strictly controlled as are the extrusion and finishing operations to achieve a constant standard of quality, properties and structure

ALLOY 274 - 62/38 BRASS

SUMMARY OF PROPERTIES

Chemical Composition - percent [Typical]

Element		
Copper	Cu	62.0
Lead	Pb	0.1 maximum
Iron	Fe	0.05 maximum
Tin	Sn	0.05 maximum
Aluminium	Al	0.02 maximum
Zinc	Zn	Balance

Mechanical Properties [Typical]

Yield Strength	150 - 350 MPa (21,700 – 50,700 psi)
Ultimate Tensile Strength	350 - 470 MPa (50,700 – 68,000 psi)
Elongation	15 - 30%
Typical Hardness	75 - 90 Rockwell B
Specific Gravity	8.39
Machinability	35 (Free cutting brass=100)
Cold Working	Excellent

1/4 Hard Drawn

Comparative Specifications

BS2873 - CZ108; ASTM C27400