

# Product Information Sheet

ISSUE A

## ALLOY 678

A. W. Fraser Alloy 678 is a high strength brass conforming to the requirements of UNS 67800. Alloy 678 has high strength, good hot forgeability and corrosion resistance making it suitable for marine use.

This alloy is available in an extruded and drawn form.

All extrusions are manufactured from continuous cast billet stock ensuring superior metallurgical properties and freedom from porosity.

### ALLOY 678 - High strength Brass

### SUMMARY OF PROPERTIES

#### Chemical Composition - percent [Typical]

Element		
Copper	Cu	59.0
Lead	Pb	0.3
Manganese	Mn	1.3
Aluminium	Al	1.0
Iron	Fe	0.6
Tin	Sn	<0.1
Zinc	Zn	Balance

#### Mechanical Properties [Typical]

Yield Strength  
Ultimate Tensile Strength  
Elongation  
Specific Gravity  
Machinability

#### Drawn

240 MPa (35,000 psi) min.  
420 MPa (61,000 psi) min.  
15% min.  
8.3  
Good

Note: Mechanical properties will vary depending on diameter or cross section area of extrusion.

#### Comparative Specifications

JIS H3250 – C6782; AS 1567 – C67810