

Product Information Sheet

ISSUE A

ALLOY 673 Heat Treated

A. W. Fraser Alloy 673 is a leaded manganese-silicon bronze conforming to the requirements of UNS 67300. Alloy 673 has excellent wear due to the formation of manganese silicide particles.

This alloy is available in a continuous cast and heat treated form giving improved mechanical properties over the as-cast material.

The composition of A W Fraser continuous cast 673 is strictly controlled as are the casting and heat treatment conditions. 673 products are manufactured using the latest continuous casting technology.

ALLOY 673 HT - Manganese Silicon Bronze	SUMMARY OF PROPERTIES
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Chemical Composition - percent [Typical]

Element		
Copper	Cu	60.5
Lead	Pb	1.2
Manganese	Mn	2.5
Silicon	Si	1.1
Iron	Fe	<0.2
Tin	Sn	<0.2
Zinc	Zn	Balance

Mechanical Properties [Typical]

Yield Strength	250 Mpa. (36,000 psi)
Ultimate Tensile Strength	480 Mpa (70,000 psi)
Elongation	10% min.
Typical Hardness	145 BHN (3000kg)
Specific Gravity	8.3
Machinability	Good