

## SPECIFICATIONS

Commercial	NES780 DEF STAN 780
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A 70/30 Copper/Nickel Alloy with high strength and very high corrosion resistance especially in seawater and marine environments. Mainly used in Naval Engineering, Aerospace and Defence Applications.

A wide range of metric and imperial tubes to this standard is available.

## CHEMICAL COMPOSITION

Element	% Present
Copper (Cu)	66.5 min
Nickel (Ni)	30.5 - 32
Manganese (Mn)	0.5 - 1.5
Iron (Fe)	0.6 - 1

## ALLOY DESIGNATIONS

DEF STAN 02-780  
NES780  
NES 780  
DEF STAN 780

## TEMPER TYPES

ANNEALED

## SUPPLIED FORMS

Bar Grades 1 and 2  
Forgings Class 1, 2, 3, 4  
Tube

- Bar
- Rod
- Forgings
- Tube

## MECHANICAL PROPERTIES

Property	Value
Proof Stress	120 Min MPa
Tensile Strength	330 Min MPa
Elongation A50 mm	34 Min %

*Mechanical Properties shown are for annealed bar size over 180mm to 500mm.*

## CONTACT

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## REVISION HISTORY

Datasheet Updated 18 July 2019

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