

NES 780 / DEF STAN 02-780 (70/30)

Copper nickel alloy with good corrosion resistance in high velocity sea-water. Typical applications - submarine pipework, fittings, flanges and valves.

National Specifications

ASTM	UNS	SAE AMS	British Standard	Werkstoff
-	C71500	-	2874 CN107	-

Material may also be released to Customer Specifications, subject to enquiry.

Technical Data

Nominal Composition by Percent

	C	Mn	Si	S	Ni	Cu	Fe	-
Min	-	0.5	-	-	30.5	66.5	0.6	%
Max	-	1.5	-	-	32.0	-	1.0	%

Typical Mechanical Properties

Annealed Condition	MPa		%
Tensile Strength, min	320	-	-
Yield Strength (0.2% offset), min	115	-	-
Elongation on 4D, min	-	-	32
Reduction of Area	-	-	-
Hardness	-	-	-