

NES833 / DEF STAN 02-833

Aluminium bronze with good ductility and impact strength, as well as superior corrosion resistance. Typical applications - Marine Valves, Couplings, Fasteners, Pumps and weapon handling systems.

National Specifications

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

ASTM	UNS	SAE AMS	British Standard	Werkstoff
-	C63000	-	2874 EN12163	-

Technical Data

Nominal Composition by Percent

	Al	Mn	Si	S	Ni	Cu	Fe	-
Min	8.5	-	-	-	4.0	-	4.0	%
Max	10.0	0.5	-	-	5.5	BAL	5.5	%

Typical Mechanical Properties (Oil patch)

Annealed Condition	MPa		%
Tensile Strength, min	635	-	-
Yield Strength (0.2% offset), min	295	-	-
Elongation on 4D, min	-	-	17
Reduction of Area	-	-	-
Hardness	-	-	-