

Material list:

Body and bonnet:ASTM B148 C95800

Seat: ASTM RPTFE

Ball: ASTM MONEL K500

O-ring:CITON

Gasket:Graphite+SS316

Bolt: ASTM A193 Gr B7(Zn plating + PTFE top coat)

Nut:ASTM A194 2H(Zn plating + PTFE top coat)

Stem:ASTM MONEL K500

Ball spring:ASTM SS316

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Material features:

ASTM B148 UNS C95800 - Nickel Aluminium / Aluminum Bronze Instruction:

C95800 nickel aluminium (aluminum) bronze alloy is very strong. It is renowned as having high strength and ductility which is retained at low temperatures, good shock & wear resistance, good casting qualities as well as being easy to machine. Additionally it is easy to weld and has good thermal and electrical conductivity properties.

It has exceptional corrosion resistance due to a tough oxide layer. Heat treatment further increases its seawater corrosion properties, making it an ideal choice in marine environments with the material being used for seawater valves and ships components.

ASTM B148 - C95800 Chemical Composition

Copper	79.0% min
Aluminium	8.5-9.5%
Nickel	4.0-5.0%
Iron	3.5-4.5%
Manganese	0.8-1.5%
Lead	0.03% max
Silicon	0.10% max

Other Specifications in the above material family:

ASTM B148-UNS C95800, ASTM B148-UNS C95500, ASTM B148 UNS C95400, BS1400-AB2, EN1982-CC333G

