

BSB25 (DTD498) (MSRR8501)

Copper nickel silicon alloy with excellent wear resistance and corrosion resistance. Typical applications - Valve guides, Bearings and bearing cages.

National Specifications

ASTM	UNS	SAE AMS	British Standard	Werkstoff
-	-	-	B25	-

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	-	-	0.4	-	2.0	-	-	%
Max	-	-	0.8	-	3.5	BAL	-	%

Typical Mechanical Properties

Annealed Condition	MPa		%
Tensile Strength, min	586	-	-
Yield Strength (0.2% offset), min	416	-	-
Elongation on 4D, min	-	-	15
Reduction of Area	-	-	-
Hardness	-	159-207 HB	-