



BM CUNIX 5

Comparable standards

Werkstoff No.	EN
DIN 2.0966	CuAl10Ni5Fe4

Chemical composition (%)

BM CUNIX 5	Al	Fe	Ni	Mn	Others	Cu
Approx. Analysis %	10.0	4.80	5.0	1.50	0.50 max	Remaining

Material properties : The mechanical properties at high temperatures, and bronze is combined with corrosion resistance.

Usage Areas

Used in the pipe industry;

- Bending and correction components (spoons and mandrel are)
- Wear resistant machine parts
- Aircraft landing gear gears material

Heat Treatment

If intensive processing, stress relief 380 C for 4 hours is recommended.

Mechanical Properties

	Hb	
Hardness		270-290
Tensile Strength	N/mm ²	850-950
Yield Strength	N/mm ²	700-800
Compressive Strength	N/mm ²	1200
Elongation L = 5D	%	4-6
Modulus of Elasticity(20 °C)	Kn/mm ²	124

Physical Properties

Electrical Conductivity	%	8.2
Coefficient of Thermal Expansion	1/K	16.10-6
Heat Conductivity	(W/mK)	42
Density	(g/cm ³)	7.45