DESCRIPTION

CZ126 is a dezincification resistant brass with excellent cold working properties and a pure α -structure. This alloy is used for applications in warm, acidic waters. CZ126 is also suitable for coining, riveting, crimping, flanging, cold extrusion or other cold working operations.

CHEMICAL COMPOSITION

	Elements			Min (%)				Max (%)	۸ ۱
, WEIN	Cu	P.P.J.		68.50	IN SANS	Pr. July		71.50	is we will
a lithing	Pb			IHANS .				0.07	RAJHA
*	Fe	JE MEIT	a difference	<u>-</u>		CMETAL	IHANS	0.05	S
, EMS	As			0.02				0.06	C ME LELL
.UANS WIT	Total Others			We Will By	,JHA			0.20	a Altanio
61621	Zn					Remainder			40

MECHANICAL PROPERTIES ACCORDING TO BS271 (AS PER TEMPER 1/2H)

Range (mm)	From	To	UTS Min (N/mm2)	PS Min (N/mm²)	Elongation Min (%)	Hardness Min (HV)	Hardness Max	SHI
Round (Dia)	1.5	75.00	400	- ETALS	1112 1115.	130.00	-	
Hex (A/F)	3.00	70.00	400	" E WILL	EVILLE.	130.00	ARS -	
Square (A/F)	3.00	60.00	400	SV71/1	-	130.00	SMF - CHAN	

PHYSICAL PROPERTIES

E	lectrical conductivity %IACS	28%
T	hermal conductivity W/(m·K)	126
Ţ	hermal expansion coefficient (0–300 °C)	10 ⁻⁶ /K 19.7
D	Density Density	8.55 g/cm3
N	Modulus of elasticity	114 Gpa

TYPICAL USES

- > Architecture
- Automotive
- > Builders Hardware
- > Consumer
- > Electrical
- > Fasteners
- > Industrial
- Ordnance
- > Plumbing

FABRICATION PROPERTIES

Technique	ALIANO LA	Sale	Suitability
Machinability (Co	uZn39Pb3 = 100 %)		25%
Capacity for beir	ng cold worked	25	Excellent
Capacity for beir	ng hot worked		Fair
Resistance weldi	ng (butt weld)		Good
inert gas shielde	d arc welding		Fair
Gas welding			Good
Hard soldering	ME IN THURS	6.R.J.	Excellent
Soft soldering			Excellent
Melting range		SI	910-965 °C
Hot working			750 - 870 °C
Soft annealing (1	L-3 h) 🕬		450-680 °C
Thermal stress re	elieving (1-3 h)		200-300 °C
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