DESCRIPTION

CZ119 are the standard materials for machining (machining index 100 %). These alloys are also particularly suitable for hot stamping when the forged parts are subsequently machined extensively. Is recommended for applications where cold working with little reduction such as knurling is used. The ductility of this material makes it particularly suitable for the manufacture of wires as well as rods and sections.

CHEMICAL COMPOSITION

Elements			Min (%)				Max (%)			
	Cu	- Harib	bps.	61.00	ME INC.	White in	HP211	64.00		
9	Pb			1.00				2.50	illille in	
D. Jillian	Total Others Incl Fe		LE HE	atillitis -		, NS		0.30	62.2	
	Zn				Re	emainder				

MECHANICAL PROPERTIES ACCORDING TO BS2874 (AS PER TEMPER M)

Range (Inch)	From	То	UTS Min (N/mm²)	PS Min (N/mm²)	Elongation Min (%)	Hardness Min (HV)	Hardness Max
Round (Dia)	1.5	75.00	340.00	SHE - JHAN	15.00	90.00	, 1851. 1811
Hex (A/F)	3.00	70.00	340.00	- 60.	15.00	90.00	Hilling - Bira
Square (A/F)	3.00	60.00	340.00		15.00	90.00	
Rectangle (Thickness)	3.00	50.00	340.00	15 - EMET	15.00	90.00	.5di

LEADED BRASS

PHYSICAL PROPERTIES

Melting Point - Liquidus°F	1700
Melting Point - Solidus°F	1630
Densitylb/cu in. at 68°F	0.306
Specific Gravity	8.47
Electrical Conductivity% IACS at	68°F 26
Thermal ConductivityBtu/ sq ft/	ft hr/ °F at 68°F 67
Coefficient of Thermal Expansion per °F (68 – 572°F)	n 68-57210 ⁻⁶ 11.3
Specific Heat CapacityBtu/ lb /°F	at 68°F 0.09
Modulus of Elasticity in Tensionk	si 15000
Modulus of Rigidityksi	5600
- APP	400

FABRICATION PROPERTIES

Suitability
Excellent
Good
Not Recommended
Fair
Good
Poor
85%

TYPICAL USES

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