DESCRIPTION

CW613, brass, is a readily extrudable leaded alpha/beta brass with a small Tin addition, which gives little bit of strength and resistance to corrosion. The lead gives free cutting properties. CW613 is available as extruded rods and flats which are typically used in builders' hardware.

CHEMICAL COMPOSITION

Elements	Min (%)	Max (%)			
Cu (file)	59.00	60.00			
Pb	1.60	2.50			
Sn	0.20	0.50			
Fe	Brilling - This	0.40			
Al distribution	E STATE HERE HAVE	0.10			
Ni	Jacobs Jacobs - 18 Jacobs	0.30			
Total Others	5 .4	0.20			
Zn	Remainder				

MECHANICAL PROPERTIES (AS PER TEMPER H070)

Range (Inch)	From	То	UTS Min	PS Min	Elongation Min (%)	Hardness Min	Hardness Max
Round (Dia)	1.5	75.00	E 111/10	42.	0,	70.00	170.00
Hex (A/F)	3.00	70.00	620	6	-T/100	70.00	170.00
Square (A/F)	3.00	60.00	6	- 45 182	unito -	70.00	170.00
Rectangle (Thickness)	3.00	50.00	- JETTE	111/2	dian	70.00	170.00

PHYSICAL PROPERTIES

ENGLISH
0.303 lb/in3
14.4 μin/in-°F
0.0908 BTU/lb-°F
784 BTU-in/hr-ft²-°F
1620 – 1650 °F
1620 °F
1650°F

FABRICATION PROPERTIES

Forming				Suitability
Machinability (CuZn39Pb3 = 100 %)	Office.	.s .uff	AL SHIPS IN	80.00%
Capacity for Being Cold Worked		E HE IN	6gg	Poor
Capacity for Being Hot Worked	. HE HE	of Hills	11/2	Excellent

TYPICAL USES

- > Architecture
- > Builders Hardware