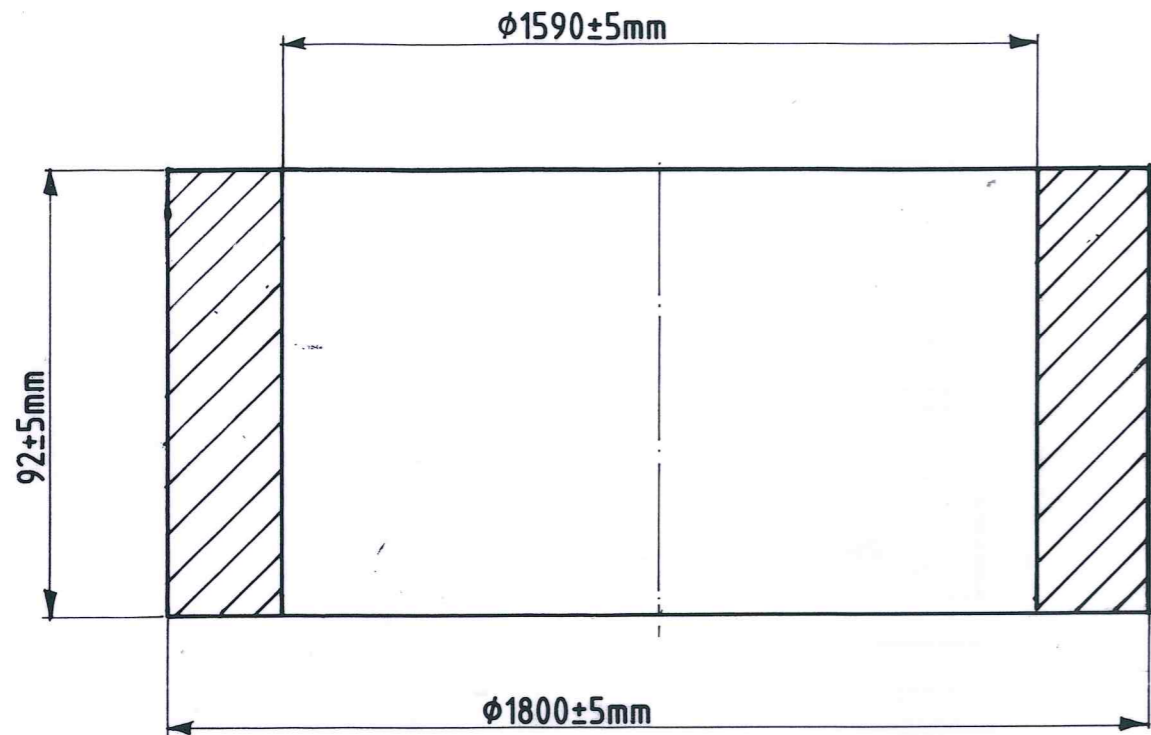


675-57-277



CHEMICAL COMPOSITION OF C21/51 IN %

MATERIAL	CU	Zn	Mg	Mn	Fe	Cr	Ti	Si	Al
AL. ALLOY C21/51	0.10 MAX	4.00- 5.00	1.0- 1.4	0.1- 0.5	0.5 MAX	0.10- 0.25	0.01- 0.2	0.5 MAX	REMA INDER

MECHANICAL PROPERTIES OF C21/51

MATERIAL	UTS Kg/mm ²	0.2% PROOF STRESS Kg/mm ²	ELONGATION %
AL. ALLOY C21-51	37.0	26.0	8.0

NOTE:-1. AL. billet must be ultrasonically tested before rolling.

HEAT TREATMENT SCHEDULE

MAINTAIN THE SOLUTIONISING TREATMENT TEMPERATURE BETWEEN 450 °C AND 460°C NOT TO EXCEED 460 °C UNDER ANY CIRCUMSTANCES. THE PRECIPITATION TREATMENT AT ROOM TEMP FOR 48 HRS, 95°C FOR 3HRS, RAISED TO 145°C FOR 16 HRS, AND AIR COOLED.

(A) E.Q. MATERIAL:- GRADE C 21/51 TO DIN : 1725 AND 1748.

00665-ICV	(A)	E.Q. MATERIAL ADDED.	
02-12-98			
DC(1)No,DT.	ISSUE	AMENDMENTS	
	NAME	SIGEN	SKETCH
DRAWN	B.C.DHAR	<i>[Signature]</i>	675-57-277
CHECKED	R. MITRA	<i>[Signature]</i>	
APPROVED	O.S.S. SWAMI	<i>[Signature]</i>	
LOWER RACE RING			SCALE : NTS.
(FORGING)			WEIGHT : 138.9 Kg,(APPROX)
MATERIAL: C21/51 ALUMINIUM ALLOY.			SHEET : 1 OF 1

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