

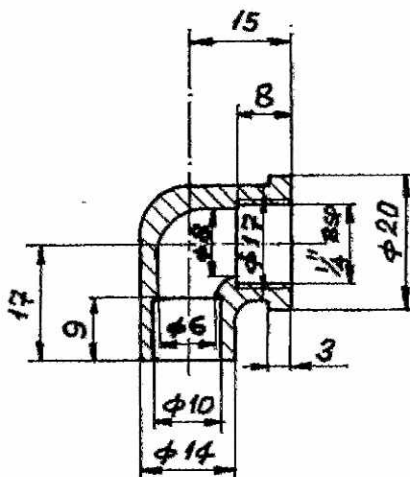
05-249; 13

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REV 01	DATE	ALTERED
		CHECKED
ZONE		

3,2

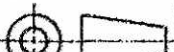
DEVIATIONS OF UNTOLERANCED
DIMENSIONS TO BE AS PER
DIN 7168 MEDIUM.



MATERIAL :- COPPER

10.ST.115.01.081 - 07

10-ST. 115.02.079 . 07

 Bharat Heavy Electricals Ltd., SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620 014		DRN	NAME	SIGN	DATE	
		END				
		APPD	R. Chatterjee		22-85	
DEPT	GRADE OF UNTOL DIM		SCALE	WEIGHT (kg)	REF TO ASSY / OLD DRG	ITEM NO.
CODE	C/M/F		1:1	0.06	4090 g / 10-R 1/4"	
TITLE			CARD CODE	DRAWING NO.	REV.	
ELBOW ($\phi 10 - 1/4$ BSP)			U 01	40.ST.115.01.129	00	

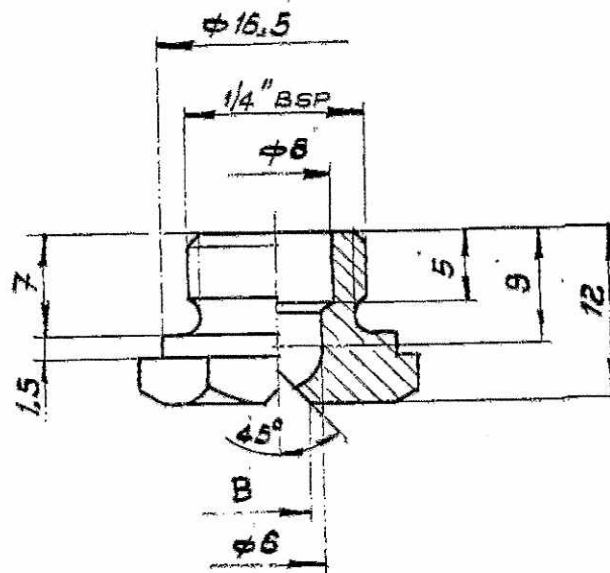
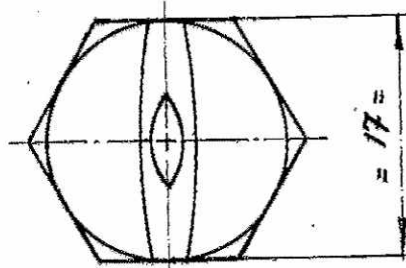
Size A 4

Re: Trace of the same person, starting from Aug 22 of 70

FIRST ANGLE PROJECTION (ALL DIMENSION ARE IN M.M.)

REV	DATE	ALTERED	REV	DATE	ALTERED
		CHECKED			CHECKED

1.5/



TOOL CODE No. : 6911120012

IT.NO.	DRG.NO.	B
3	10-ST-115-02-079	4,0
4	10-ST-115-02-077	
3	10-ST-115-01-081	4,5

MATL : BRASS



BHARAT HEAVY ELECTRICALS LIMITED.
SEAMLESS STEEL TUBE PLANT, TIRUCHIRAPALLI. 14

SSIP									
DEPT	CODE		SCALE 2:1	WEIGHT (Kg) 0.015	REF. TO ASSY DRG. F1.512.043.30 (R 1/4")			ITEM NO.	
TITLE FLAT JET NOZZLE 1/4" BSP							NAME	SIGN	DATE
					DRAWN				27/11/78
					CHECKED		S. K. S.		
					APPROVED		R. Thangaraj		

DIMENSIONS TO BE CONTROLLED WITHIN LIMITS
AS SHOWN
MACHINING TOLERANCE $\pm$ 0.25 M.M. UNLESS
OTHERWISE SHOWN
NON-MACHINING TOLERANCE $\pm$

CARD CODE	DRAWING NO.
	40-ST-115-01-078
SHEET NO	NO. OF SHEETS

THIS DRAWING IS OUR SOLE PROPERTY AND SHOULD NOT BE USED IN ANY
CAUTION: FORM FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF
BHARAT HEAVY ELECTRICALS LTD., TIRUCHIRAPALLI-14

REF. DRG. NO.

SIGN & DATE

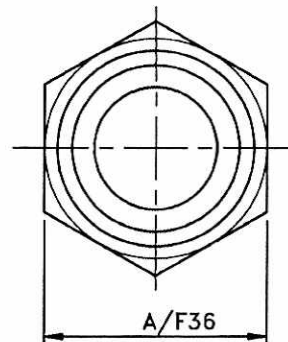
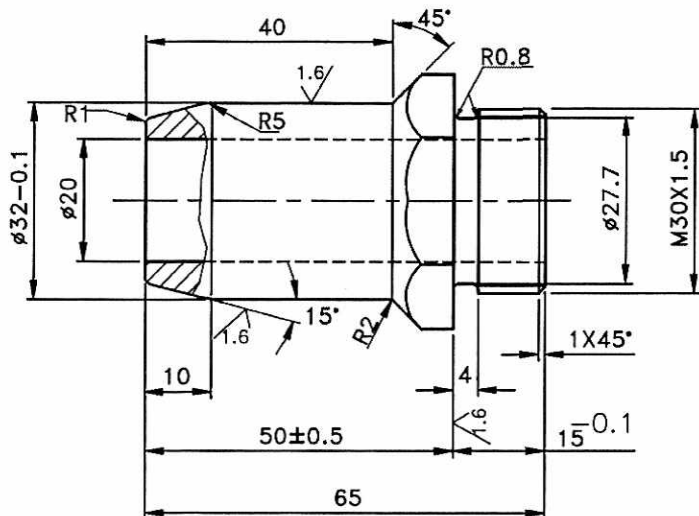
INVENTORY NO.

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ALL DIMENSIONS ARE IN MM

3.2/1.6/

DEVIATIONS OF UNTOLERANCED
DIMENSIONS TO BE AS PER
IS:2102-1969 MEDIUM



THREAD	SPCN	PITCH	MAJOR ϕ MAX. MIN.	PITCH ϕ MAX. MIN.
M30X1.5		1.5	30.000 29.732	28.994 28.844

MATERIAL CODE No.:69 11 12 002 0

MATERIAL:LEAD TIN BRONZE(S5-5-5-5) IS:318Gr2-1981

TIN	Zinc	Lead	Nickel	Aluminium	Silicon	Antimony	Iron	Total of all
4.0	4.0	4.0	Max.2.0	Max.0.01	Max.0.02	Max.0.4	Max.0.35	0.80
6.0	6.0	6.0						

Impurities Max.(excluding Ni)

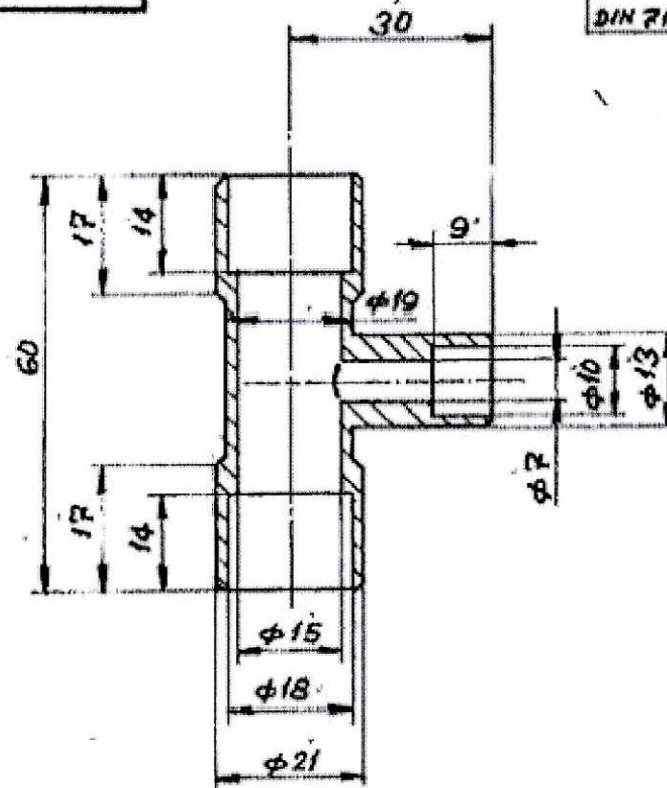
Copper Remainder

		Bharat Heavy Electricals Ltd		DRN	NAME R.KUMAR	SIGNATURE	DATE 27.8.10
		SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014		APPD	S.KARUPPASAMY		
DEPT T E	GRADE OF UNTOL. DIM C/M/F		SCALE 1:1	WEIGHT (Kg) 0.3	REF TO ASSY DRG 00....17&18,10....65,66,77		ITEM NO 02
CODE					REF TO OLD DRG 0107029-10.105		
TITLE CONNECTING NOZZLE (FOR SRM COOLING SYSTEM)				CARD CODE U 01	DRAWING NO : 40.ST.115.01.094		REV 00

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

32/

DEVIATIONS OF UNTOLERANCED
DIMENSIONS TO BE AS PER
DIN 7168 MEDIUM.



TOOL CODE NO. 69.11.12.0071

NOTE:- CHAMFER THE SHARP CORNERS

MATERIAL:-COPPER



Bharat Heavy Electricals Ltd.,
SEAMLESS STEEL TUBE PLANT
TIRUCHIRAPALLI-620 014

DRN	NAME	SIGN	DATE
CHD	S.K. Muthy	[Signature]	05.08.85
APPD	R. [Signature]		

DEPT	GRADE OF UNTO. DIM	SCALE	WEIGHT (kg)	REF TO ASSY. DRG	ITEM NO.
TE	C/M/E	1:1		10.ST.115.01.081	06
CODE					
58R380					
TITLE	CARD CODE	DRAWING NO.	REV		
TEE PIECE REDUCER (18-10-18)	U 01	40.ST.115.01.142	00		

S 27-009

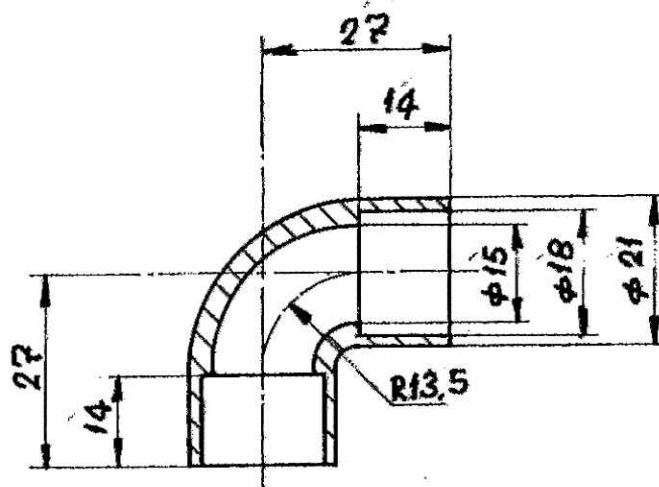
FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

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REV	DATE	ALTERED
01		CHECKED
ZONE		

32/

DEVIATIONS OF UNTOLERANCED
DIMENSIONS TO BE AS PER
DIN 7168 MEDIUM.



TOOL CODE NO. :- 69.11.12.0080

NOTE :- CHAMFER THE SHARP CORNERS.

MATERIAL :- COPPER.

00.ST.115.01.018 9



Bharat Heavy Electricals Ltd.,
SEAMLESS STEEL TUBE PLANT
TIRUCHIRAPALLI - 620 014

DRN	NAME	SIGN	DATE
	G.K. Murthy	G.K. Murthy	05.08.85
CHD			
APPD			
	P. Ganesan	P. Ganesan	05.08

DEPT	GRADE OF UNTOL. DIM	SCALE	WEIGHT (kg)	REF TO ASSY. DRG	ITEM NO.
TE	C/M/F	1:1	0.07	10.ST.115.01.081	08
CODE					
SRM380					
TITLE	CARD CODE	DRAWING NO.	REV.		
ELBOW ($\phi 18 - \phi 18$)	U 01	40.ST.115.01.143			

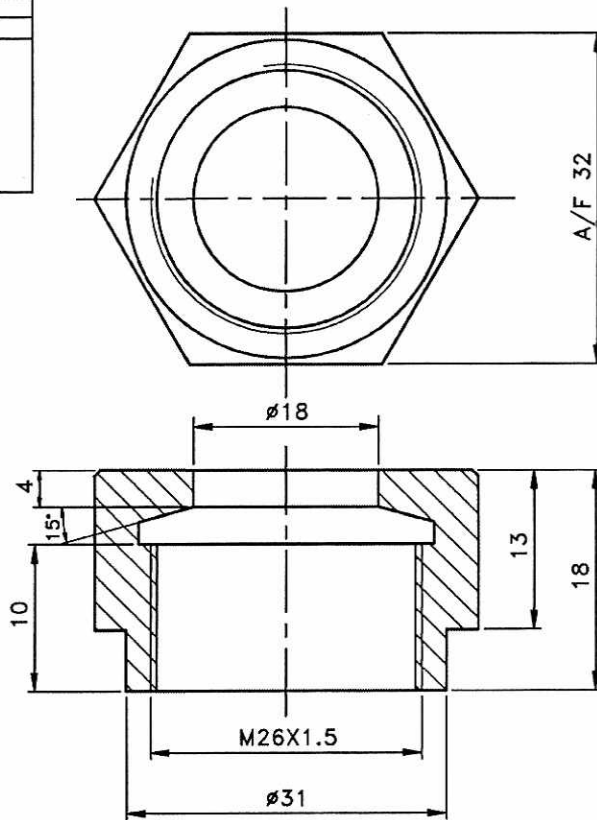
Size A 4

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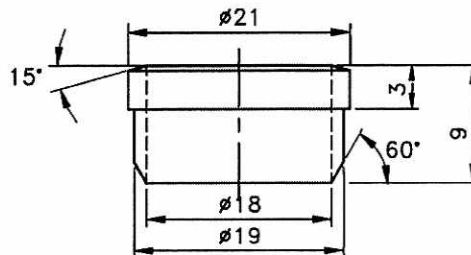
ALL DIMENSIONS ARE IN MM

REV	DATE	ALTERED
01		CHECKED
		APPROVED

NUT
WT=0.04 Kg



FERRULE
WT=0.005 Kg



ITEM NO	DESCRIPTION	DRAWING NO	BRASS	UNIT WT
			MATL CODE	QTY
			MATL SPEC	

EQPT:



Bharat Heavy Electricals Ltd
SEAMLESS STEEL TUBE PLANT
TIRUCHIRAPALLI - 620014

DRN	NAME	SIGNATURE	DATE
	R.KUMAR		04.3.99
CHD			
APPD	P.GANESAN		

DEPT	GRADE OF UNTOOL DIM	SCALE	WEIGHT (Kg)	REF TO ASSY DRG	ITEM NO
T E	C/M/F	N T S		00.ST.115.01.018	04
CODE				REF TO OLD DRG	
TITLE				DRAWING NO :	REV
NUT & FERRULE (SRM 380 COOLING SYS)				40.ST.115.01.365	00

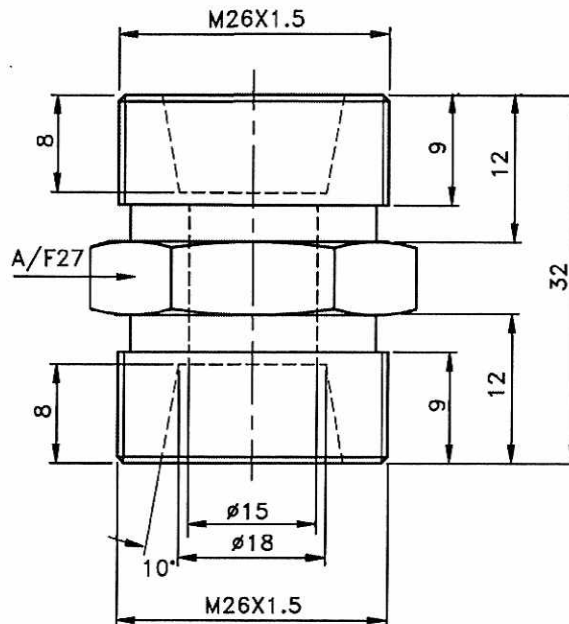
CARD CODE
U 01

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ALL DIMENSIONS ARE IN MM

REV	DATE	ALTERED
01		CHECKED
		APPROVED

1.6/



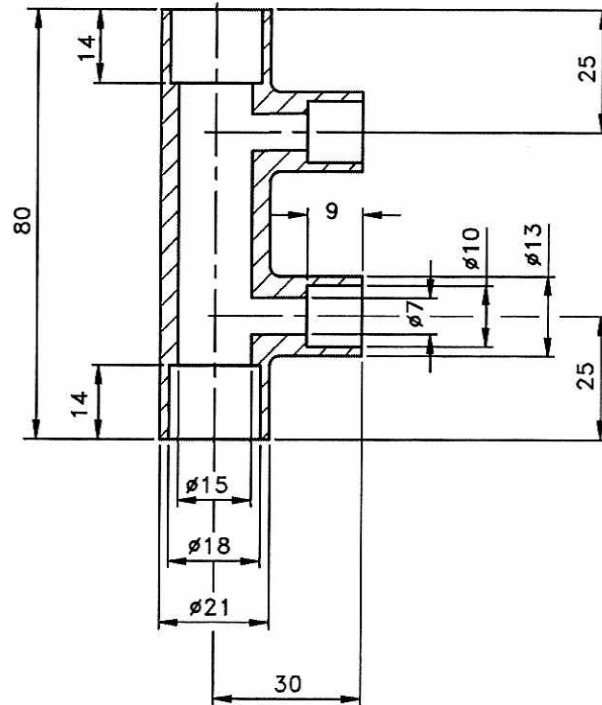
ITEM NO		DESCRIPTION		DRAWING NO		BRASS		UNIT WT	
						MATL CODE		QTY	
						MATL SPEC			
EQPT:									
 Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014				DRN	NAME R.KUMAR		SIGNATURE	DATE 04.03.99	
				CHD					
				APPD	P.GANESAN				
DEPT T E	GRADE OF UNTOL. DIM C/M/F	SCALE N T S		WEIGHT (Kg)		REF TO ASSY DRG 00.ST.115.01.018			
CODE						REF TO OLD DRG			
TITLE PARALLEL MALE STUD COUPLING (SRM 380 COOLING SYS)				CARD CODE U 01	DRAWING NO : 40.ST.115.01.366				ITEM NO 05
									REV 00

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ALL DIMENSIONS ARE IN MM

REV	DATE	ALTERED
01		CHECKED
		APPROVED

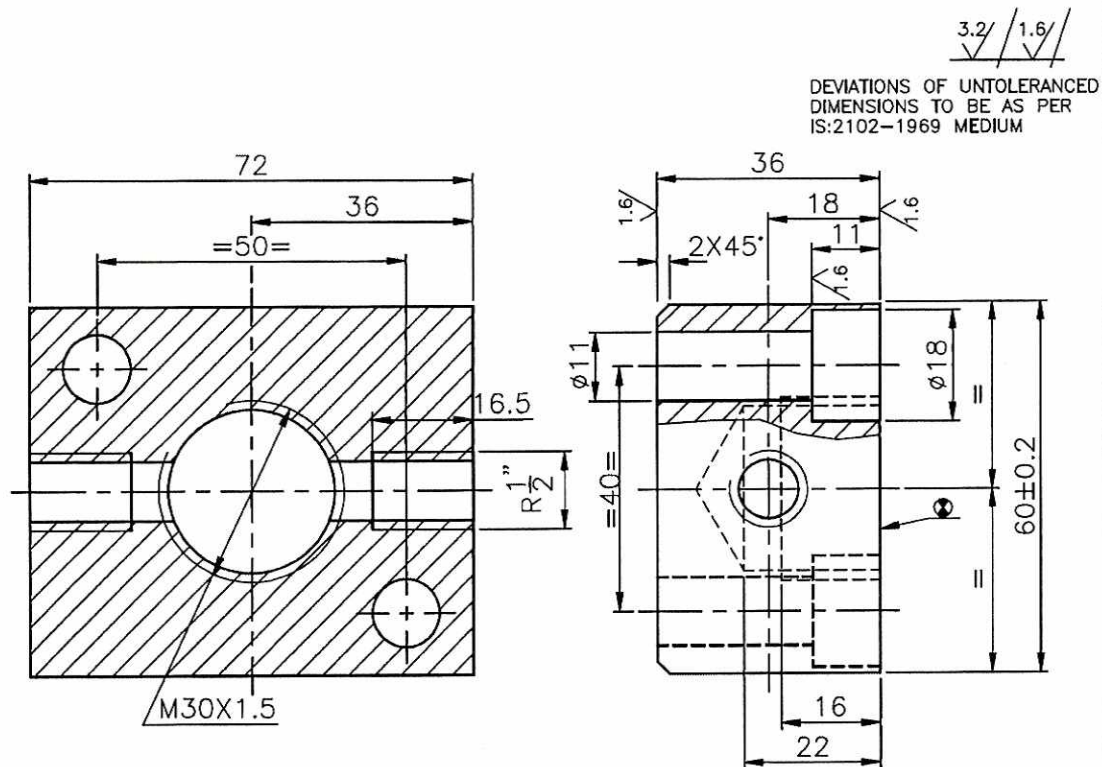
1.6/



				COPPER		
ITEM NO	DESCRIPTION	DRAWING NO	MATL CODE		UNIT WT	
			MATL SPEC		QTY	
EQPT:						
		Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014		DRN	NAME R.KUMAR	SIGNATURE
				CHD		DATE 04.3.99
				APPD	P.GANESAN	
DEPT T E	GRADE OF UNTOL. DIM C/M/F	SCALE N T S	WEIGHT (Kg)	REF TO ASSY DRG 00.ST.115.02.017		ITEM NO 06
CODE				REF TO OLD DRG		
TITLE PIPE REDUCER (SRM 380 COOLING SYS)			CARD CODE U 01	DRAWING NO : 40.ST.115.01.367		REV 00

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ALL DIMENSIONS ARE IN MM



THREAD	SPCN	PITCH	MINOR ϕ MAX. MIN.	PITCH ϕ MAX. MIN.
M30X1.5		1.5	28.676	29.226
			28.376	29.026

MATERIAL: LEAD TIN BRONZE(S5-5-5-5) IS:318Gr2-1981

TIN	Zinc	Lead	Nickel	Aluminium	Silicon	Antimony	Iron	Total of all
4.0	4.0	4.0	Max.2.0	Max.0.01	Max.0.02	Max.0.4	Max.0.35	0.80
6.0	6.0	6.0						

Impurities Max.(excluding Ni)

Copper Remainder

MARK: MATERIAL CODE No.: 69 12 52 002 2

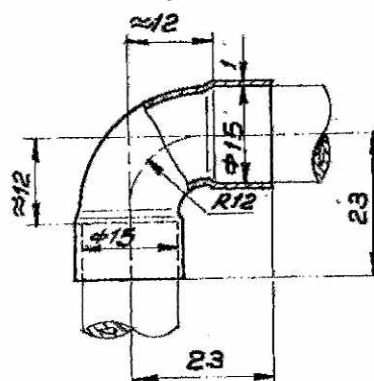
		Bharat Heavy Electricals Ltd		DRN	NAME	SIGNATURE	DATE
		SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014			R.KUMAR		27.8.10
DEPT	GRADE OF UNTOL. DIM		SCALE	WEIGHT (Kg)	REF TO ASSY DRG		ITEM NO
TE	C/M/F		1:1	1.15	00.....017		01
CODE					REF TO OLD DRG		
					0107047-10.101		
TITLE				CARD CODE	DRAWING NO :		REV
MANIFOLD (FOR SRM 300 COOLING SYSTEM)				U 01	40.ST.115.02.115		00

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

REV	DATE	ALTERED	REV	DATE	ALTERED
01		CHECKED	02		CHECKED

DEVIATIONS OF UNTOLERANCED
DIMENSIONS TO BE AS PER DIN
7184 MEDIUM.

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10.ST.115.02.079 8

63	62	51	22	18	20	22	23	34	35	36	39	50	58	59	64	65	73	79	80
VARIANT No.		DESCRIPTION		IT. No.		DRAWING No.		ITEM		MATERIAL CODE		A		C		UNIT WT (kg)			
				STD				VAR		MATERIAL SPECN		C		COMP GROUP		QUANTITY			

CARD TYPE 2

CARD TYPE 1



05-249/A

BHARAT HEAVY ELECTRICALS LIMITED
SEAMLESS STEEL TUBE PLANT, TIRUCHIRAPALLI-620014

DEPT	CODE	SCALE	WEIGHT (kg.)	REF. TO ASSY. DRG.	IT. No.
		1:1		DIN 2862 A15	
TITLE				DRAWN	DATE
ELBOW (Φ15 - Φ15)				24/1/77	
				CHECKED	
				APPROVED	
DIMENSIONS TO BE CONTROLLED WITHIN LIMITS AS SHOWN. MACHINING TOLERANCE ± 0.25 mm. UNLESS OTHERWISE SHOWN NON-MACHINING TOLERANCE $\pm$				DRAWING NO.	REV 17
CARD CODE U01				40.ST.115.02.130	00

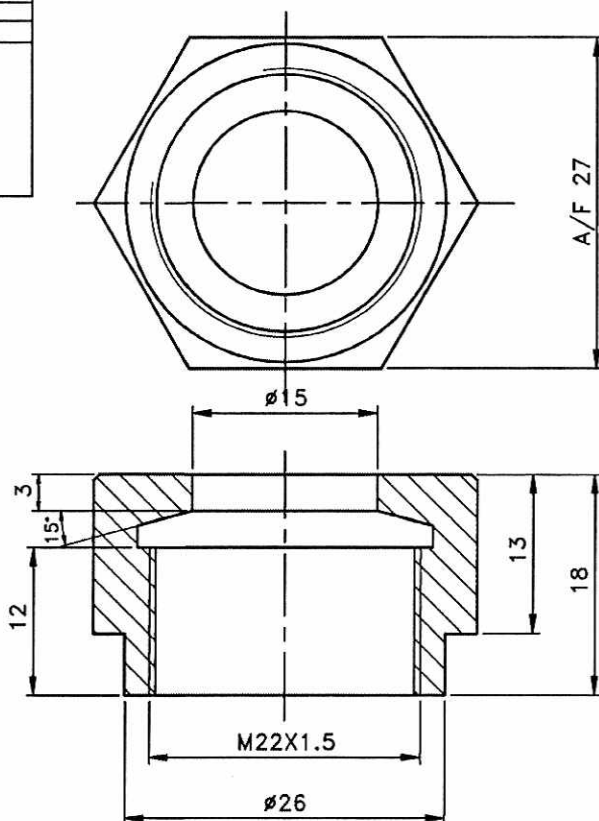
SIZE A-4

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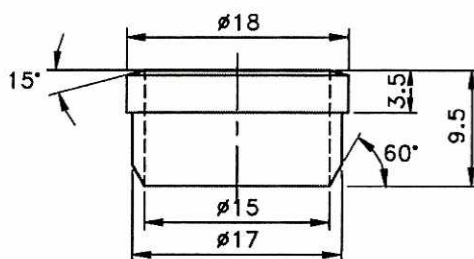
ALL DIMENSIONS ARE IN MM

REV	DATE	ALTERED
01		CHECKED
		APPROVED

NUT



FERRULE



ITEM NO	DESCRIPTION	DRAWING NO	BRASS	UNIT WT
			MATL CODE	QTY
			MATL SPEC	

EQPT:

	Bharat Heavy Electricals Ltd		DRN	NAME	SIGNATURE	DATE
	SEAMLESS STEEL TUBE PLANT		CHD	R.KUMAR		04.3.99
	TIRUCHIRAPALLI - 620014		APPD	P.GANESAN		

DEPT	GRADE OF UNTO. DIM	SCALE	WEIGHT (Kg)	REF TO ASSY DRG	ITEM NO
T E	C/M/F	N T S		00.ST.115.02.017	04
CODE				REF TO OLD DRG	

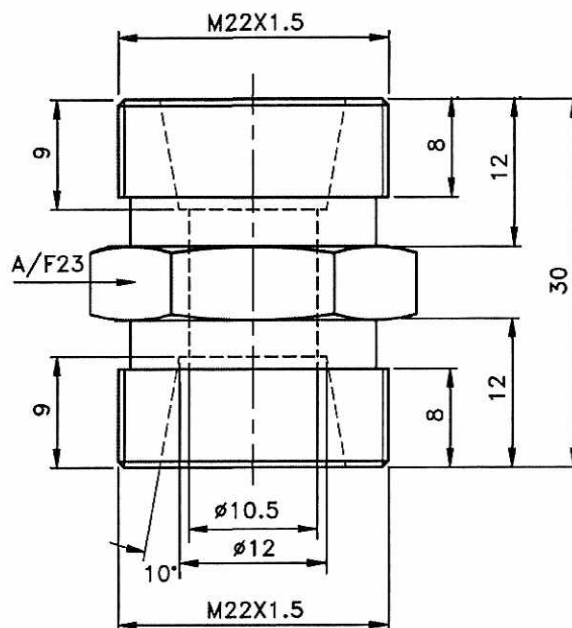
TITLE	CARD CODE	DRAWING NO :	REV
NUT & FERRULE (SRM 300 COOLING SYS)	U 01	40.ST.115.02.361	00

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ALL DIMENSIONS ARE IN MM

REV	DATE	ALTERED
01		CHECKED
		APPROVED

1.6/



ITEM NO		DESCRIPTION		DRAWING NO		BRASS		UNIT WT	
						MATL CODE		QTY	
						MATL SPEC			

EQPT:

		Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014		DRN	NAME	SIGNATURE	DATE
				CHD	R.KUMAR		04.03.99
				APPD	P.GANESAN		

DEPT	GRADE OF		SCALE	WEIGHT (Kg)	REF TO ASSY DRG	ITEM NO
T E	UNTOL. DIM		N T S		00.ST.115.02.017	05
CODE	C/M/F				REF TO OLD DRG	

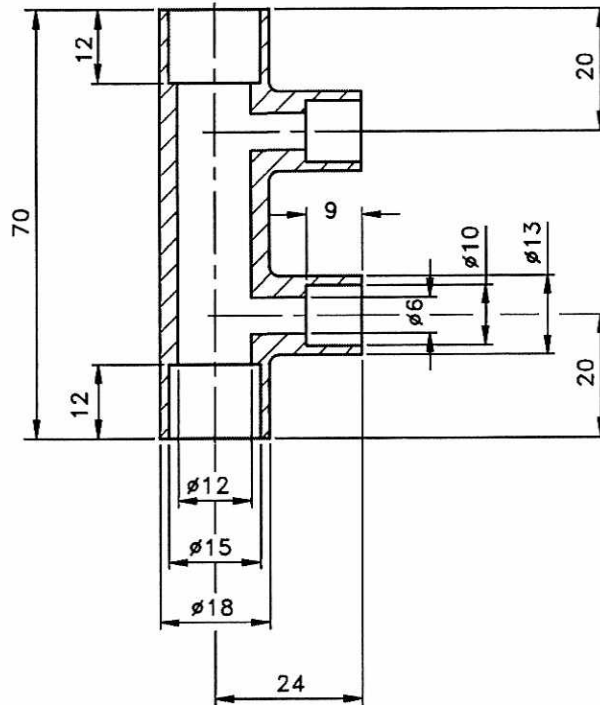
TITLE		CARD CODE	DRAWING NO :	REV
PARALLEL MALE STUD COUPLING (SRM 300 COOLING SYS)		U 01	40.ST.115.02.362	00

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ALL DIMENSIONS ARE IN MM

REV	DATE	ALTERED
01		CHECKED
		APPROVED

1.6/



				COPPER			
ITEM NO	DESCRIPTION	DRAWING NO	MATL CODE		UNIT WT		
			MATL SPEC		QTY		
EQPT:							
		Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014		DRN	NAME	SIGNATURE	DATE
				CHD	R.KUMAR		04.3.99
				APPD	P.GANESAN		
DEPT	GRADE OF		SCALE	WEIGHT (Kg)	REF TO ASSY DRG		ITEM NO
T E	UNTOL DIM				00.ST.115.02.017		
CODE	C/M/F	N T S		REF TO OLD DRG			
TITLE				CARD CODE	DRAWING NO :		REV
PIPE REDUCER (SRM 300 COOLING SYS)				U 01	40.ST.115.02.363		00