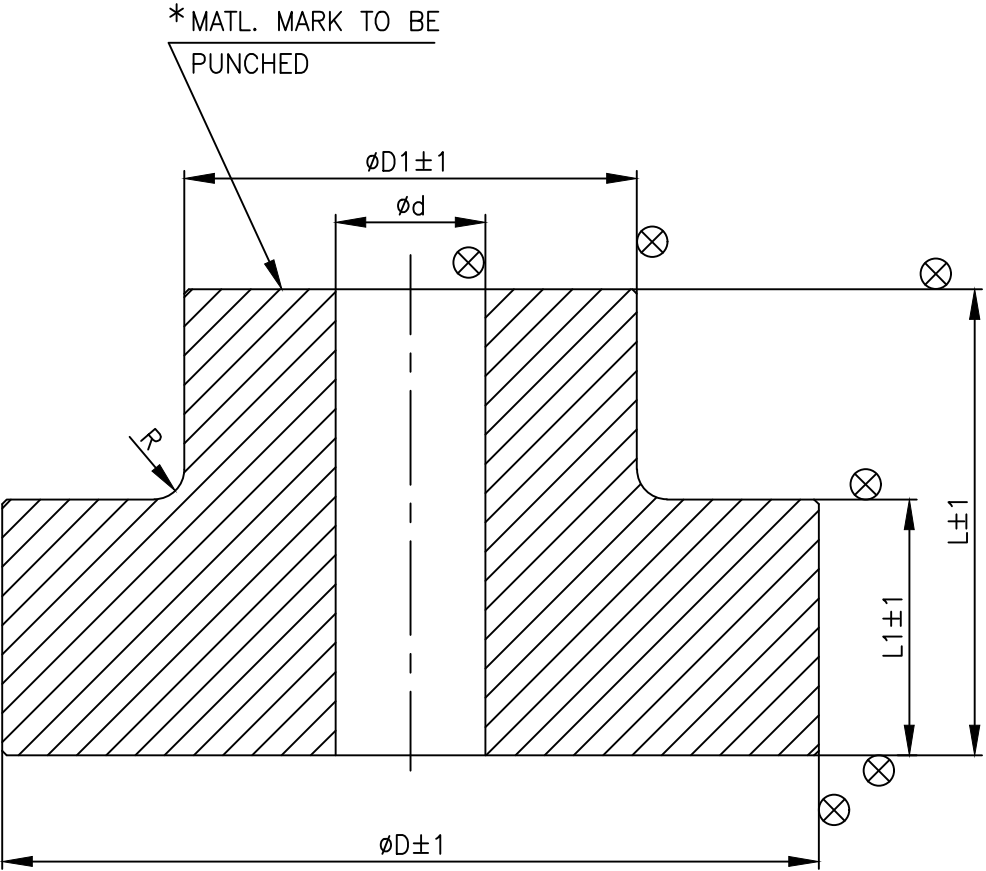


DRAWING NO. 3-V-0000-31121P			12.5										
SL.NO	DRAWING NO	MATL. SPECN.	ATTESTATION	MATL. CODE	SIZE/RATING	MATL.MARK	WT.(kg)	φD	φD1	φd	L	L1	R
1	3-V-V449-31121P	A105,NR	PRODUCT ATTEST	921538530000	350/3500	A105	168.6	311	231	64	413	161	20
2	3-V-V452-31121P	A182 F22 CL.3, NT		921538540000		F22							
3	3-V-V544-31121P	A105,NR		921538550000	400/3500	A105	238.4	358	258	74	454	180	20
4	3-V-V545-31121P	A182 F22 CL.3, NT		921538560000		F22							
5	3-V-WC20-31121P	A105,NR		921538570000	350/1500	A105	132.9	376	189	56	237	131	15
6	3-V-WC21-31121P	A182 F22 CL.3, NT		921538580000		F22							
7	3-V-V377-31121P	A105,NR		921538590000	400/2500	A105	201.8	406	206	74	312	173	20
8	3-V-V380-31121P	A182 F22 CL.3, NT		921538600000		F22							
9	3-V-V177-31121P	A105, NR		921538610000	400/1500	A105	179.0	426	181	64	265	144	15
10	3-V-V180-31121P	A182 F22 CL.3, NT		921538620000		F22							
11	3-V-V638-31121P	A182 F91,NT		921538630000		F91							
12	3-V-V393-31121P	A105,NR		921538640000	450/2500	A105	298.4	476	238	84	338	186	20
13	3-V-V396-31121P	A182 F22 CL.3, NT		921538650000		F22							
14	3-V-V193-31121P	A105,NR		921538660000	450/1500	A105	183.2	481	206	74	288	149	25
15	3-V-V196-31121P	A182 F22 CL.3, NT		921538670000		F22							
16	3-V-WC65-31121P	A182 F91,NT		921538680000		F91							
17	3-V-WB01-31121P	A105,NR		921538690000	500/2850	A105	399.7	481	228	94	693	200	75
18	3-V-WB04-31121P	A182 F22 CL.3, NT		921538700000		F22							
19	3-V-WB10-31121P	A182 F91,NT		921538710000		F91							
20	3-V-WA99-31121P	A105,NR		921538720000	550/2750	A105	548.5	538	286	94	450	270	30
21	3-V-WA98-31121P	A182 F22 CL.3, NT		921538730000		F22							
22	3-V-WA81-31121P	A182 F91,NT		921538740000		F91							
23	3-V-V730-31121P	A182 F92,NT		921539010000	550/3500	F92	712.7	538	312	94	720	270	30

* MATL. MARK TO BE PUNCHED

The diagram shows a cross-section of a flange. The outer diameter is labeled $\phi D \pm 1$. The inner diameter is labeled ϕd . The thickness of the flange is labeled $L \pm 1$. The thickness of the central hub is labeled $L1 \pm 1$. The radius of the outer edge is labeled R . There are four material marks (circles with an 'X') indicating where to punch the material marks. One mark is on the outer edge, and three are on the central hub. A note points to one of the marks: '* MATL. MARK TO BE PUNCHED'.



NOTES:

- FORGING SHALL BE MADE IN SUCH A WAY THAT MACHINING CAN BE DONE IN THE SPECIFIED DIMENSION SHOWN IN TABULAR COLOUMN.
- CHAMFER THE SHARP CORNERS TO 1X45°
- ⊗ INDICATES THE SURFACES WHICH ARE TO BE MACHINED FURTHER
- FORGING SHALL COMPLY WITH THE REQUIREMENTS OF LATEST APPLICABLE QUALITY WORK INSTRUCTIONS.
- UT SHALL BE CONDUCTED, DETAILS AS PER THE LATEST APPLICABLE QUALITY WORK INSTRUCTIONS.

REV	DATE	ALTERED
		CHD & APPD

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT									
 365-121					DRN	NAME T.SANGEETHA	SIGN	DATE 25.05.17	NO.OF VAR.
					CHD	S.SATHEESKUMAR		25.05.17	
					APPD	K.RAJASEKARAN		25.05.17	
DEPT VL				SCALE N T S	WEIGHT (KG).	REFERENCE INFORMATION			NO. OF ITEMS
CODE 320									
TITLE BONNET (PROOF MACHINING DRG)						CARD CODE U 01	DRAWING NO. 3-V-0000-31121P		REV