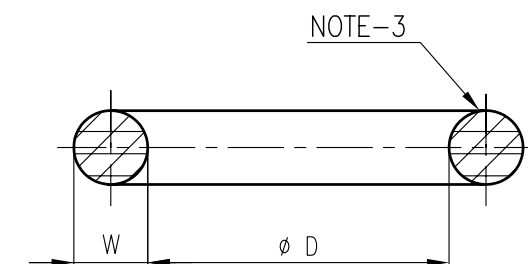


DRAFTING NO.

SL No.	PARKER O-RING No.	DRAWING No.	MATERIAL CODE	MATERIAL SPECN.	NET WT(KG)	DIMENSIONS		DIMENSIONALLY IDENTICAL TO DRAWING NUMBER (EXCEPT MATERIAL)
						ø D	W	
01	333	3-V-1636-05019/05	96 464 627	NITRILE (NOTE-1) 70 ± 5 DURO TYPE-A	0.007	62.86 ± 0.25	5.33 ± 0.12	
02	337	3-V-1551-05019/05	45 256 021		0.009	75.56 ± 0.38	5.33 ± 0.12	
03	033	3-V-4076-05019/05	96 452 302		0.0006	50.52 ± 0.25	1.78 ± 0.07	
04	234	3-V-4480-05019/02	96 464 080		0.004	75.80 ± 0.38	3.53 ± 0.10	
05	454	3-V-4494-05019/01	96 464 083		0.06	316.90 ± 0.70	6.99 ± 0.15	
06	208	3-V-4045-05019/01	96 464 410		0.0009	15.47 ± 0.12	3.53 ± 0.10	
07	210	3-V-4046-05019/01	96 464 411		0.001	18.64 ± 0.15	3.53 ± 0.10	
08	339	3-V-4716-05019/01	96 464 493		0.009	81.9 ± 0.3	5.33 ± 0.12	
09	218	3-V-R925-05019/01	96 464 652		0.0016	31.34 ± 0.15	3.53 ± 0.10	
10	224	3-V-R924-05019/01	96 464 653		0.0022	44.04 ± 0.25	3.53 ± 0.10	
11	327	3-V-4000-05019/01	96 464 654		0.005	43.81 ± 0.25	5.33 ± 0.12	



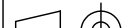
1. MATERIAL SHALL COMPLY WITH REQUIREMENTS OF LATEST APPLICABLE QUALITY PROCEDURE.
2. SURFACE FINISH SHOULD BE SMOOTH.
3. EACH O-RING SHALL BE MARKED WITH PERMANENT INK DIMENSIONS ϕ D & W (SEE TABULATION) OF RESPECTIVE SIZES.
4. O-RINGS SHALL BE PACKED AS PER LATEST APPLICABLE QUALITY PROCEDURE.

CAD REF No. 0305019

N O O F	D E S C R I P T I O N	M A T L C O D E	M A T L S P E C N	H E A T T R E A T M E N T	S C R A P S O R T	N E T W T (k g)	G R O S S W T (k g)	D R A W I N G N O	I T E M N O

TYPE OF PRODUCT	<u>PSL-1 & 2</u>
OR NAME OF	
CUSTOMER/PROJECT	<u>TEMPERATURE RATING : P</u>

 365-121	BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI-620014.	DRN	NAME T.RAJARAMAN	SIGN <i>Rajaraman</i>	DATE 27-6-05	NO. OF VAR
		CHD	T.RAJARAMAN	<i>Rajaraman</i>	27-6-05	
		APPD	V.ALAGARSWAMI	<i>Alagarswami</i>	27-6-05	

DEPT VL	—		SCALE	WEIGHT (KG).	REFERENCE INFORMATIONS	NO. OF ITEMS
CODE 340			N T S	—	—	
TITLE				CARD CODE	DRAWING NO.	REV
O-RING (NITRILE)				U 01	3-V-0000-05019	13

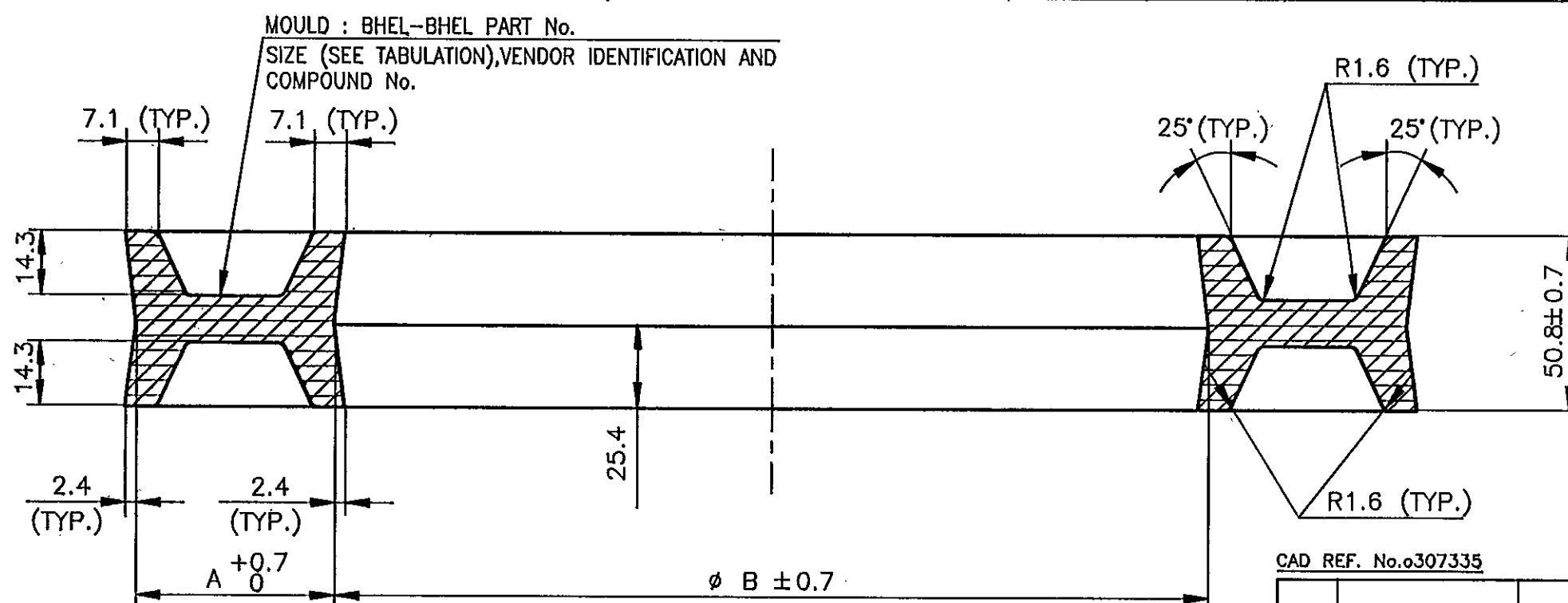
DCP No. 800479	ALT : <i>Rej</i>	APPD : <i>Approved</i>
	CHD : <i>Rej</i>	DATE : 27-6-05
REV. 13	REVISED AND REDRAWN IN CAD.	
ZONE 		

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.

ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP.

95570-0000-A-3
DRAWING NO.

SL. No.	NATIONAL P/No FOR DIMNS. REF.	BHEL DRAWING No.	MATL. CODE	MATL. SPECN.	DIMENSIONS			NET Wt. (Kg.)	SIZE IN INCHES	BHEL PART No.	PATTERN IDENTICAL (FOR INFORMATION)
					A $+0.7$ 0	ϕ B ± 0.7					
01	503626	3-V-4461-07335	96 464 404	HYDROGENATED NYLON (HSN) 80 $\pm$ 5 DURO TYPE-A (NOTE-1)	73.90	139.70		2.30	11 x 5-1/2	4461129	VPS-003-9001/03
02	503622	3-V-4023-07335	96 464 405		54.80	177.80		2.1	11 x 7	4023129	VPS-002-9001/03



NOTES:-

1. MATL. SHALL COMPLY WITH REQUIREMENTS OF APPLICABLE TDC.
2. UNSPECIFIED ANGLE TOLERANCE $\pm 0.5^\circ$
3. TOLERANCE :-UNLESS OTHERWISE SPECIFIED ± 0.3
4. SURFACE FINISH SHOULD BE SMOOTH.
5. PACKING SHALL BE DONE AS PER APPL. TDC.



CAD REF. No.0307335

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/PROJECTPSL : 2 TEMP. RATING : P,U
(HSN) 11"-NOMINALBHARAT HEAVY ELECTRICALS LTD.,
UNIT: HIGH PRESSURE BOILER PLANT,
TIRUCHIRAPALLI-620014.

DRN	NAME	SIGN	DATE	NO. OF VAR.
CHD	T. RAJARAMAN	<i>[Signature]</i>	21-9-96	
APPD	V. ALAGARSWAMI	<i>[Signature]</i>	21-9-95	
	J. ABRAHAM	<i>[Signature]</i>	21-9-95	

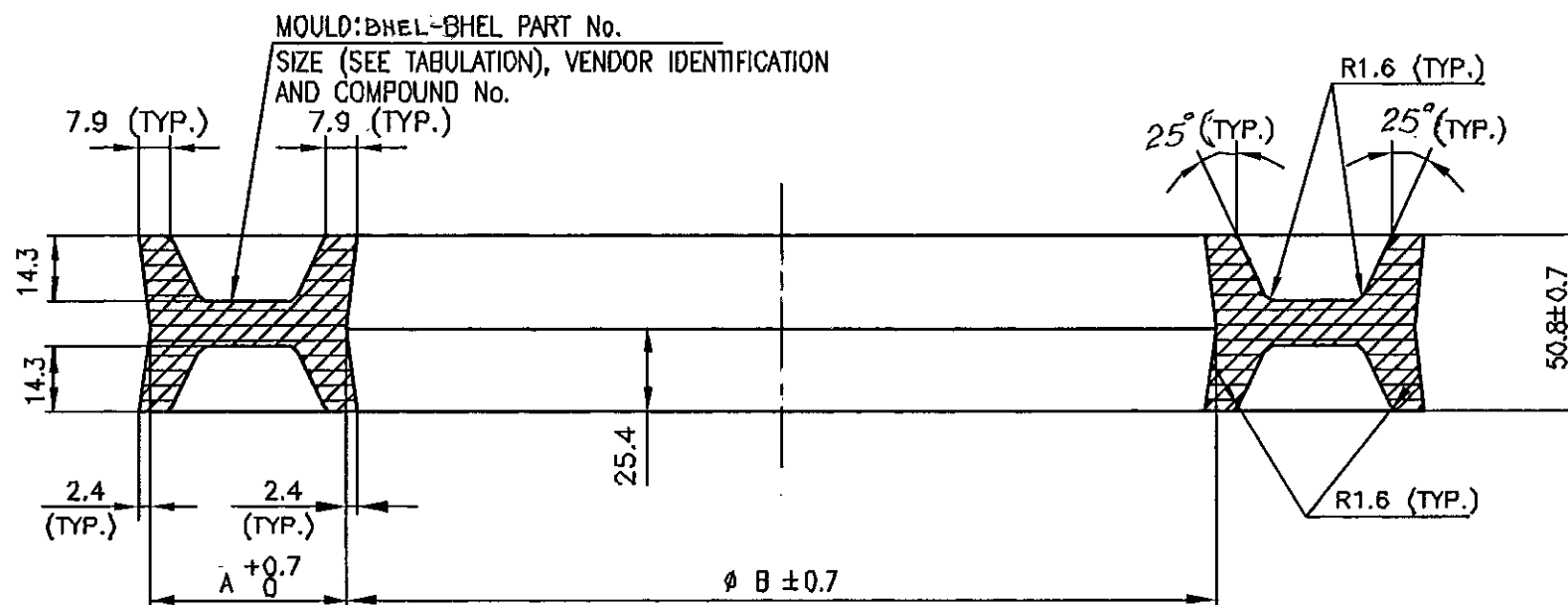
DEPT	VL	SCALE	WEIGHT (KG)	REFERENCE INFORMATION	NO. OF ITEMS
CODE	340	N T S		REF: NATIONAL DRG.No.503620/REV-D SL.No.1023	
TITLE	PRIMARY PACKING FLANGE SIZE 11" (10" OLD)			DRAWING NO. 3-V-0000-07335	REV
CARD CODE	U 01				

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.

ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP.

SL. No.	NL. PART NUMBER FOR DIMNS. REF.	BHEL DRAWING No.	MATL.CODE	MATL. SPECN.	DIMENSIONS		NET Wt. (Kg.)	SIZE IN INCHES	BHEL PART No.	PATTERN IDENTICAL TO (FOR INFORMATION)	
					A $\begin{smallmatrix} +0.7 \\ 0 \end{smallmatrix}$	$\varnothing$ B ± 0.7					
01	503630			HYDROGENATED NITRILE (HSN) 80 $\pm$ 5 DURO TYPE-A (NOTE-1)	37.30	273.10			13-5/8 x 10-3/4		
02	503631	3-V-4463-07336	96 464 496		51.60	244.50		2.5	13-5/8 x 9-5/8	4463117	3 V 4 123 07331
03	503632				59.60	228.60			13-5/8 X 9		
04	503633				64.30	219.10			13-5/8 X 8-5/8		
05	503634				77.00	193.70			13-5/8 X 7-5/8		
06	503635				85.00	177.80			13-5/8 X 7		
07	503636				89.70	168.30			13-5/8 X 6-5/8		
08	503637				97.70	152.40			13-5/8 X 6		
09	503638				100.80	146.10			13-5/8 X 5-3/4		
10	503639				104.00	139.70			13-5/8 X 5-1/2		

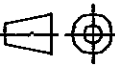


NOTES:—

1. MATL. SHALL COMPLY WITH REQUIREMENTS OF APPLICABLE TDC.
2. UNSPECIFIED ANGLE TOLERANCE $\pm 0.5^\circ$
3. TOLERANCE :—UNLESS OTHERWISE SPECIFIED ± 0.3
4. SURFACE FINISH SHOULD BE SMOOTH.
5. PACKING SHALL BE DONE AS PER APPL. TDC.



CAD REF. No. 0307336

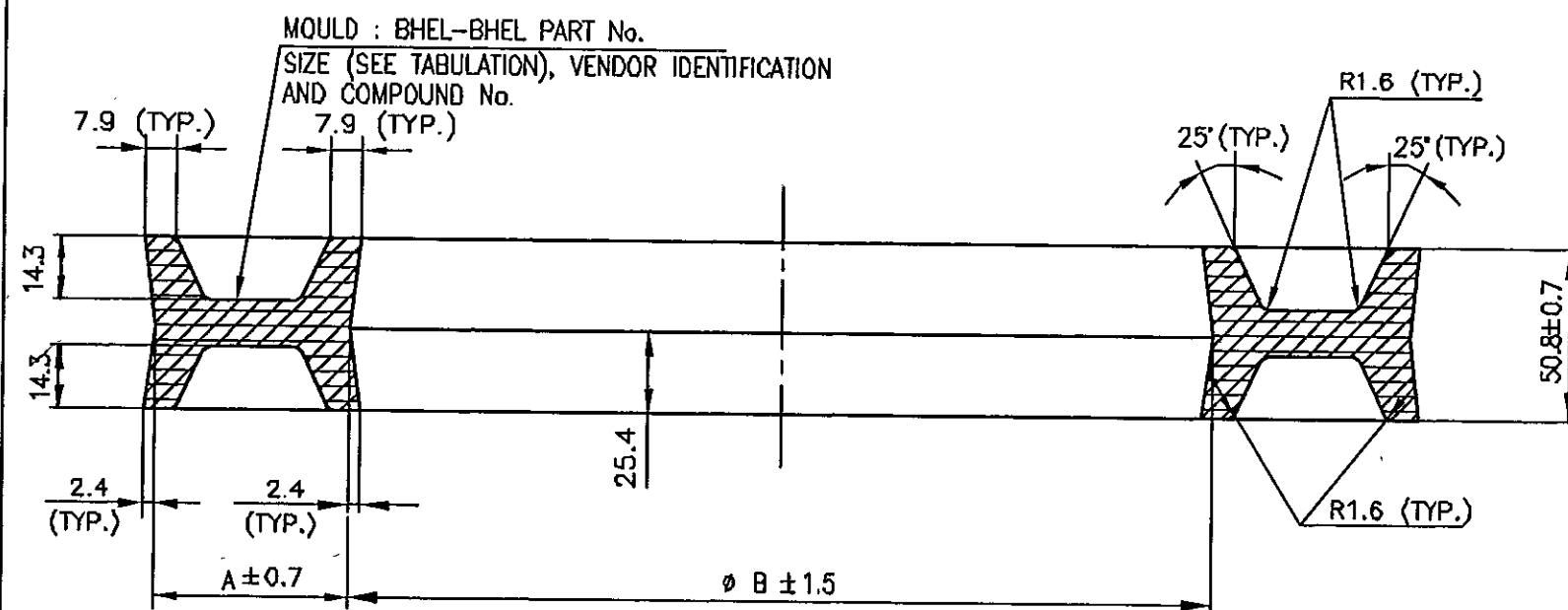
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT PSL-2 TEMP.RATING : P,U (HSN) 13-5/8" NOMINAL									
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT, TIRUCHIRAPALLI-620014.				DRN	NAME T.RAJARAMAN	SIGN <i>T. Rajaraman</i>	DATE 19-4-96	NO.OF VAR.	
				CHD	V.ALAGARSWAMI	<i>M. Paraman</i>	19-4-96		
				APPD	J.ABRAHAM	<i>J. Abraham</i>	20-4-96		
DEPT VL	—		SCALE N T S	WEIGHT (KG), —	REFERENCE INFORMATION				NO. OF ITEMS
CODE 340					REF NL DRG No. 503630/REV-0 SL No. 1027				
TITLE PRIMARY PACKING FLANGE SIZE 13-5/8" (12" OLD)					CARD CODE U 01	DRAWING NO. 3-V-0000-07336			REV

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.

REV	DATE	ALTERED
		CHD & APPD

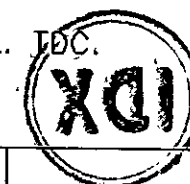
ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP.

SL. No.	NL. PART NUMBER FOR DIMNS. REF.	BHEL DRAWING No.	MATL.CODE	MATL. SPECN.	DIMENSIONS		NET Wt. (Kg.)	SIZE IN INCHES	BHEL PART No.	PATTERN IDENTICAL TO (FOR INFORMATION)
					A ±0.7	Ø B ±1.5				
	503653	3-V-4735-07337	96 464 495	HYDROGENATED NITRILE (HSN) 80±5 DURO TYPE-A (NOTE-1)	93.70	339.70	5.53	2 1/4 / 20 3/4 x 13 3/8	4735103	3 V 4 / 29 07333



NOTES:-

1. MATL. SHALL COMPLY WITH REQUIREMENTS OF APPLICABLE LATEST QUALITY PROCEDURE.
2. UNSPECIFIED ANGLE TOLERANCE $\pm 0.5^\circ$
3. TOLERANCE :-UNLESS OTHERWISE SPECIFIED ± 0.7
4. SURFACE FINISH SHOULD BE SMOOTH.
5. PACKING SHALL BE DONE AS PER APPL. IDC.



CAD REF. No. 0307337

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

PSL-2 TEMP.RATING : P,U
(HSN) 20" -NOMINAL



BHARAT HEAVY ELECTRICALS LTD.,
UNIT: HIGH PRESSURE BOILER PLANT.
TIRUCHIRAPALLI-620014.

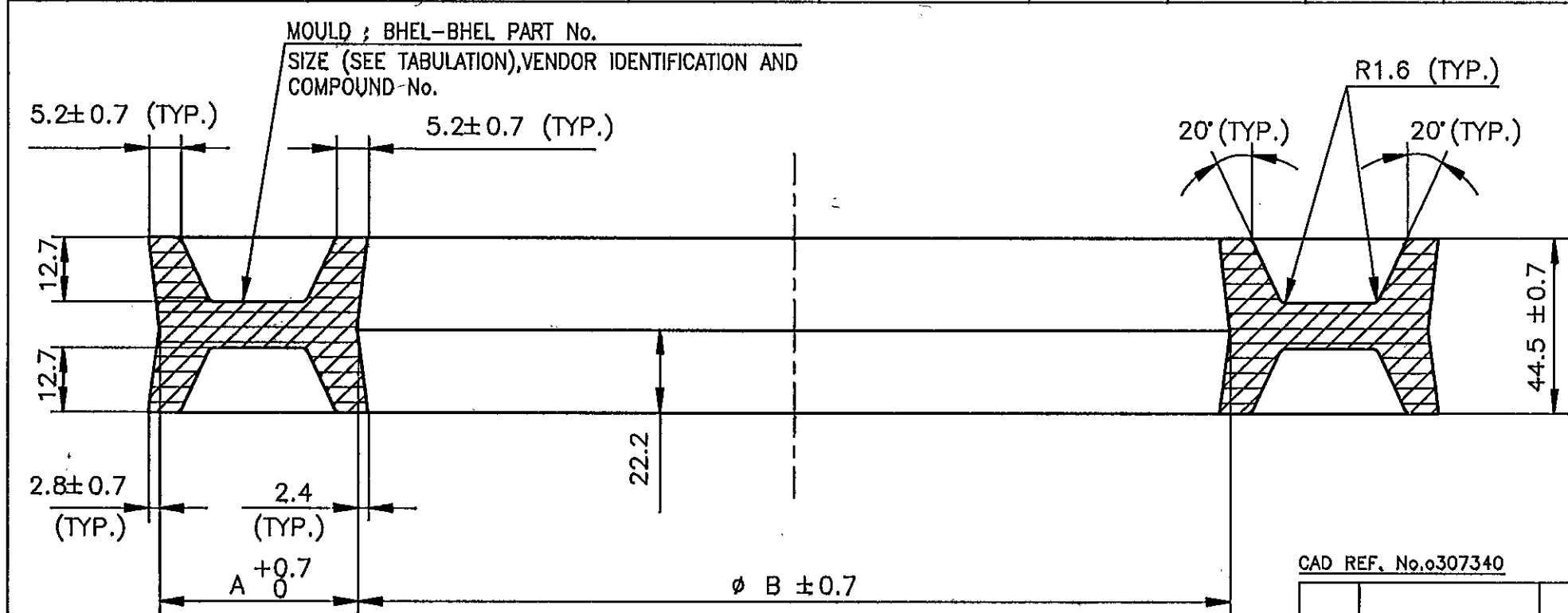
DRN	NAME	SIGN	DATE	NO.OF VAR.
CHD	T.RAJARAMAN	<i>T.Rajaraman</i>	19-4-96	
APPD	V.ALAGARSWAMI	<i>V.Alagarswami</i>	19-4-96	
	J.ABRAHAM	<i>J.Abraham</i>	20-4-96	

DEPT	SCALE	WEIGHT (KG).	REFERENCE INFORMATION	NO. OF ITEMS
VL	N T S		NATIONAL DRG No. 503650/ REV-F SL No.1029	
CODE 340				
TITLE	CARD CODE	DRAWING NO.	REV	
PRIMARY PACKING	U 01	3-V-0000-07337		

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.

3-V-0000-07340 DRAWING NO.											
SL. No.	DIM.REF. NL. PART NUMBER	BHEL DRAWING No.	MATL. CODE	MATL. SPECN.	DIMENSIONS			NET Wt. (Kg.)	SIZE IN INCHES	BHEL PART No.	PATTERN IDENTICAL FOR INFORMATION
					A +0.7 0	Ø B ±0.7					
01	504886	3-V-4995-07340	96 464 406	HYDROGENATED NITRILE. (HSN) 80 ±5 DURO TYPE-A (NOTE-1)	45.3	139.7		1.04	11 x 5-1/2	4995 135	VPS-006-9003/04
02	504882	3-V-4010-07340	96 464 407		26.2	177.8		0.82	11 x 7	4010 135	VPS-002-9003/04



NOTES:-

1. MATL. SHALL COMPLY WITH REQUIREMENTS OF APPL. TDC.
2. UNSPECIFIED ANGLE TOLERANCE ±0.5°
3. TOLERANCE :-UNLESS OTHERWISE SPECIFIED ± 0.3
4. SURFACE FINISH SHOULD BE SMOOTH.
5. PACKING SHALL BE DONE AS PER APPL. TDC.



CAD REF. No.0307340

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		PSL : 2 (HSN)		TEMP.RATING : P,U 11"-NOMINAL				
	BHARAT HEAVY ELECTRICALS LTD.,		DRN	NAME	SIGN	DATE	NO. OF VAR.	
	UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI-620014,		CHD	VALAGARSWAMI	<i>[Signature]</i>	21-9-95		
			APPD	JABRAHAM	<i>[Signature]</i>	21-9-95		
DEPT VL	—	SCALE	NTS	WEIGHT (KG).	REFERENCE INFORMATION			NO. OF ITEMS
CODE 340					DIM. REF. NL. DRG.No.504880/REV-C SL.No.1116/1			
TITLE				CARD CODE	DRAWING NO.			REV
SECONDARY PACKING (RESTRICTED PACKING)				U 01	3-V-0000-07340			

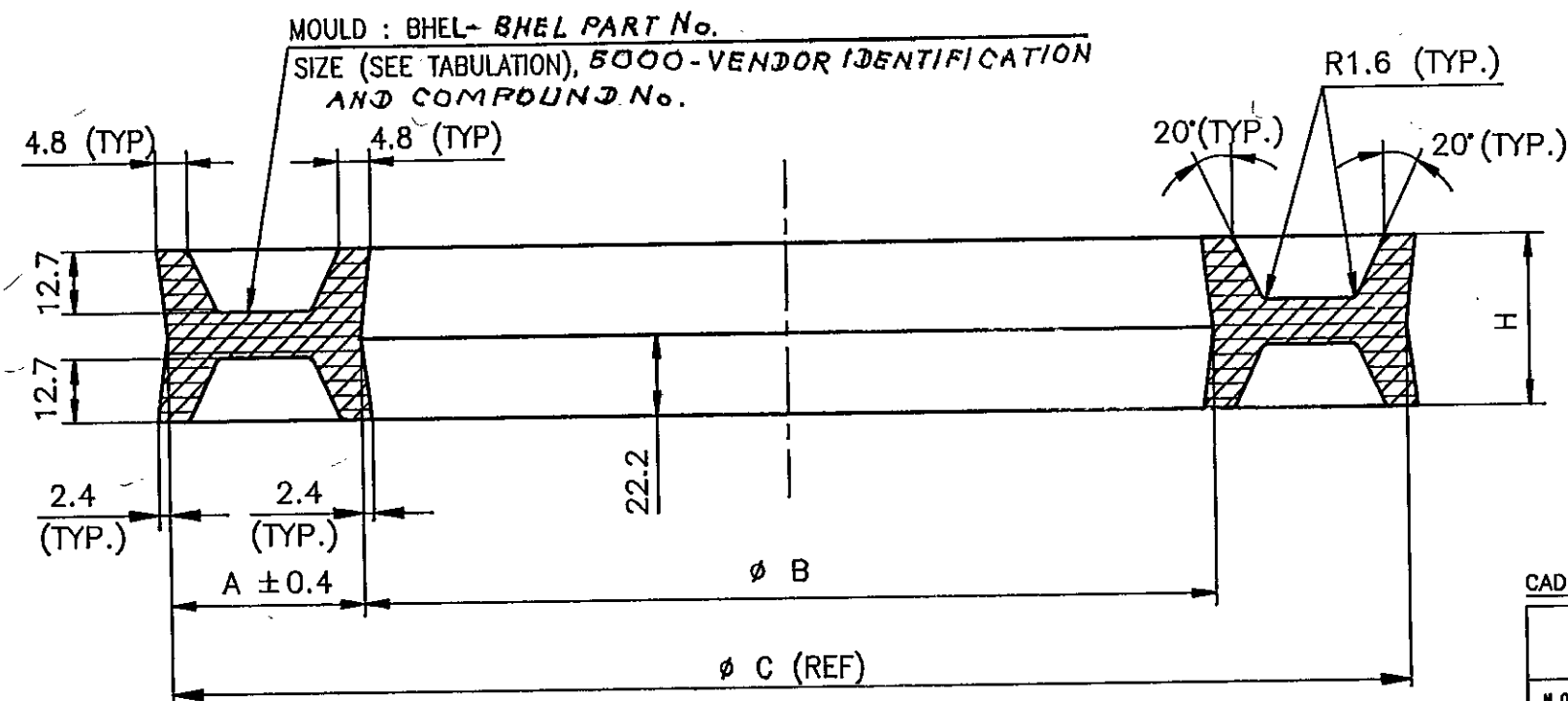
REV	DATE	ALTERED
		CHD & APPD

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.

09270-0000-V-3
DRAWING NO.

ALL DIMENSIONS ARE IN MILLIMETRES

SL. No.	DIM. REF. NL. PART NUMBER	BHEL DRAWING No.	MATL. CODE	MATL. SPECN.	DIMENSIONS				NET Wt. (Kg.)	SIZE IN INCHES	BHEL PART No.	SUPERSEDED DRAWING (FOR INFORMATION)
					A	$\phi B \pm 0.7$	ϕC (REF)	H ± 0.7				
01	504890-095	3-V-4532-07350	96 464 031	(HYDROGENATED NITRILE) HSN 8015 DURO TYPE-A.	35.7	244.5	315.9	44.5	1.5	13-5/8 x 9-5/8	4532126	VPS-001-9042/02
02	504890-106				21.4	273.1	315.9	44.5	1.2	13-5/8 x 10-3/4		
03	504890-085				48.4	219.1	315.9	44.5	1.7	13-5/8 x 8-5/8		



NOTES:-

1. MATL. SHALL COMPLY WITH REQUIREMENTS OF APPL. TDC.
2. UNSPECIFIED ANGLE TOLERANCE $\pm 0.5^\circ$
3. TOLERANCE :-UNLESS OTHERWISE SPECIFIED ± 0.3
4. SURFACE FINISH SHOULD BE SMOOTH.

RELEASED VIDE DCN 060191 (FOR REFERENCE)

CAD REF. No.0307350

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 PSL : 1 & 2 TEMP.RATING : P,U (HSN) 13-5/8"-5000-NOMINAL.

DEPT	VL	GRADE OF UNTOLD DIM	SCALE	WEIGHT (KG).	REFERENCE INFORMATION	NO. OF VAR.
340	0 / M / F		N T S		DIM. REF. NL DRG.No.504890-P/REV-C SL.No.1121/1	

DEPT	VL	GRADE OF UNTOLD DIM	SCALE	WEIGHT (KG).	REFERENCE INFORMATION	NO. OF VAR.
340	0 / M / F		N T S		DIM. REF. NL DRG.No.504890-P/REV-C SL.No.1121/1	

SECONDARY PACKING
(RESTRICTED PACKING)

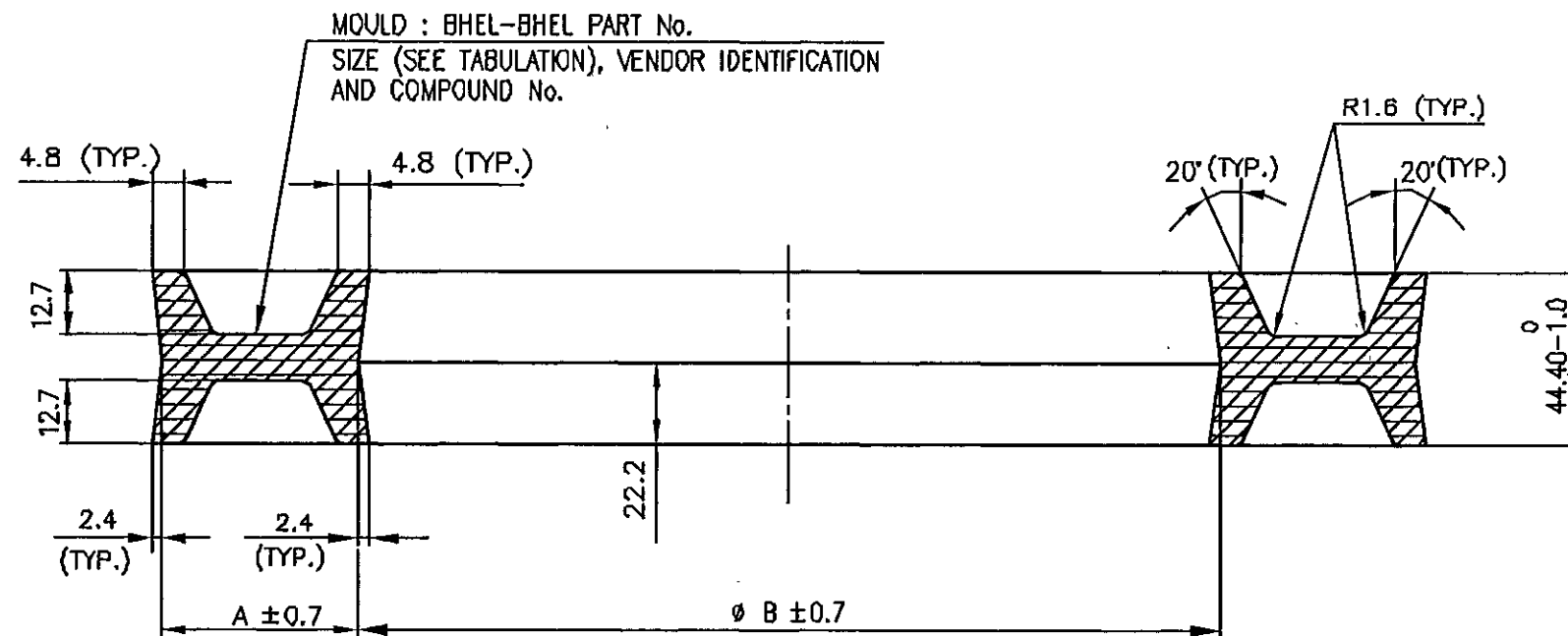
DRAWING NO. 3-V-0000-07350

REV	DATE	ALTERED	CHECKED
-----	------	---------	---------

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.

ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP.

SL. No.	NL. PART NUMBER FOR DIMNS. REF.	BHEL DRAWING No.	MATL. CODE	MATL. SPECN.	DIMENSIONS		NET Wt. (Kg.)	SIZE IN INCHES	BHEL PART No.	PATTERN IDENTICAL TO (FOR INFORMATION)
					A ±0.7	Ø B ±0.7				
	504913	3-V-4794-07353	96 464 497	NITRILE HYDROGENATED (HSN) 80±5 DURO TYPE-A (NOTE-1)	51.60	339.70	2.56	21¼ / 20¾ x 13¾	4794114	3 V 4258 07351



NOTES:-

1. MATL. SHALL COMPLY WITH REQUIREMENTS OF APPLICABLE LATEST QUALITY PROCEDURE.
2. UNSPECIFIED ANGLE TOLERANCE ± 0.5°
3. TOLERANCE :-UNLESS OTHERWISE SPECIFIED ± 0.7
4. SURFACE FINISH SHOULD BE SMOOTH.
5. PACKING SHALL BE DONE AS PER APPL. TDC.

CAD REF. No. Q307353

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

PSL-2 TEMP.RATING : P,U
(HSN) 20" NOMINAL



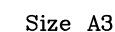
BHARAT HEAVY ELECTRICALS LTD.,
UNIT: HIGH PRESSURE BOILER PLANT,
TIRUCHIRAPALLI-620014.

DRN	NAME	SIGN	DATE	NO. OF VAR.
CHD	T. RAJARAMAN	<i>[Signature]</i>	19-4-96	
CHD	V. ALAGARSWAMI	<i>[Signature]</i>	19-4-96	
APPD	J. ABRAHAM	<i>[Signature]</i>	20-4-96	

DEPT	VL	UNTOL DIM	SCALE	WEIGHT (KG)	REFERENCE INFORMATION	NO. OF ITEMS
CODE	340	6 / M / P	N T S	—	REF NL DRG No. 504910/REV-E SL No. 1129 BHE/NL/389,3	
TITLE					DRAWING NO.	REV
SECONDARY PACKING					3-V-0000-07353	
RESTRICTED PACKING						
CARD CODE					U 01	

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.

NITRILE 70±5 DURO TYPE-A

ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP.

3-0000-07377

3-0000-07377

SL No.	PARKER O-RING No.	DRAWING NUMBER	MATERIAL CODE	MATL. SPECN	NET WT(KG)	DIMENSIONS		BHEL PART No.	DIMENSIONALLY IDENTICAL TO DRAWING NUMBER (EXCEPT MATERIAL)	REMARKS
						ø D	W			
01	113	3-V-4761-07377/02	96 464 412	HYDROGENATED NITRILE (HSN) 80±5 DURO TYPE-A	0.0004	13.95 ±0.12	2.62 ±0.07	4761005	VPS-014-9031	FOR 1 1/4" NOMINAL VRP
02	125	3-V-4773-07377/02	96 464 413		0.0009	33.00 ±0.14	2.62 ±0.07	4773017	4-V-4243-07100	SEAT ADJUSTABLE CHOCK 1"-ORIFICE
03	139	3-V-4878-07377/02	96 464 414		0.0015	55.25 ±0.20	2.62 ±0.07	4878023	VPS-015-9005	2 1/16"-2M-FULL BORE VALVE
04	234	3-V-4546-07377/02	96 464 415		0.004	75.80 ±0.30	3.53 ±0.10	4546004	3-V-4480-05019	FOR DA CARRIER 7071 SIA
05	239	3-V-4726-07377/02	96 464 416		0.0045	91.67 ±0.30	3.53 ±0.10	4726003	VPS-012-9031	FOR DA CARRIER 8080 SIA
06	330	3-V-4858-07377/02	96 464 417		0.006	53.34 ±0.25	5.33 ±0.12	4858004	VPS-001-9005	2 1 /16"-NUT PLUG ASSY
07	332	3-V-4879-07377/02	96 464 418		0.007	59.69 ±0.25	5.33 ±0.12	4879023	4-V-4076-07100	2 1 /16"-5M-FBV
08	333	3-V-4859-07377/02	96 464 419		0.007	62.86 ±0.20	5.33 ±0.12	4859004	3-V-1636-05019	2 9/16"-NUT PLUG ASSY
09	337	3-V-4881-07377/02	96 464 420		0.009	75.56 ±0.30	5.33 ±0.12	4881023	3-V-1551-05019	2 9/16" 5M-FULL BORE VALVE
10	338	3-V-4925-07377/02	96 464 421		0.009	78.74 ±0.30	5.33 ±0.12	4925004	VPS-008-9005	3 1/8" -5M NUT PLUG ASSY
11	342	3-V-4882-07377/02	96 464 422		0.01	91.44 ±0.30	5.33 ±0.12	4882023	VPS-005-9005	3 1/8"-5M-FBV
12	350	3-V-4733-07377/02	96 464 423		0.014	116.84 ±0.38	5.33 ±0.12	4733023	VPS-006-9005	4 1/16"-5M-FULL BORE VALVE
13	439	3-V-4377-07377/02	96 464 424		0.032	164.47 ±0.5	7.00 ±0.12	4377002	VPS-002-9005	7 1/16"-5M HANGER
14	455	3-V-4751-07377/02	96 464 433		0.062	329.60 ±0.7	7.00 ±0.12	4751017	VPS-001-9050	FOR ACT. PISTON
15	216	3-V-4754-07377/02	96 464 434		0.0015	28.20 ±0.12	3.53 ±0.10	4754027	VPS-002-9050	FOR ACT. TOP COVER
16	428	3-V-4753-07377/02	96 464 435		0.024	123.19 ±0.3	7.00 ±0.12	4753038	4-V-4750-07170	FOR ACTUATOR
17	221	3-V-4896-07377/02	96 464 436		0.0019	36.10 ±0.15	3.53 ±0.10	4896018	4-V-4711-07170	FOR ACTUATOR
18	328	3-V-4771-07377/02	96 464 437		0.006	47.0 ±0.20	5.33 ±0.12	4771041	4-V-4752-07170	FOR ACTUATOR
19	225	3-V-4003-07377/03	96 464 401		0.0024	47.22 ±0.25	3.53 ±0.10	4003009	-	FOR TEST PORT GAUGE CONNEN
20	347	3-V-4102-07377/02	96 464 501		0.012	107.32 ±0.3	5.33 ±0.12	4102012	4-V-4101-07170	FOR B8M HGR. MANDREL
21	346	3-V-4A08-07377/02	96 464 525		0.012	104.14 ±0.38	5.33 ±0.12	4A08004	-	FOR 4 1/16"-5M FLOW ADAPTER
22	318	3-V-R923-07377/01	96 464 593		0.003	24.76 ±0.15	5.33 ±0.12	R923008	-	FOR 11" NOM .TBG.SPOOL(FMC)
23	141	3-V-4A94-07377/01	96 464 629		0.0016	58.42 ±0.25	2.62 ±0.07	4A94017	3-V-4146-07373	FOR ADJ.CHOKE SEAT 2" ORIFICE
24	451	3-V-R926-07377/01	96 464 662		0.053	279.0 ±0.5	7.00 ±0.12	R926012	-	FOR PISTON (OTIS)
25	345	3-V-R927-07377/01	96 464 726		0.011	100.97 ±0.3	5.33 ±0.12	R927023	-	FOR 3 1/8"5M FBV (WKM)
26	343	3-V-R922-07377/01	96 464 738		0.011	94.62 ±0.3	5.33 ±0.12	R922	-	FOR DA CARRIER 3" (FM)
27	458	3-V-4C32-07377/01	96 464 744		0.069	367.70 ±0.7	7.00 ±0.12	4C32025	-	FOR PNE ACT 2 1/16"-10M (PISTON SEAL)
28	431	3-V-4P91-07377/00	96 469 313		0.025	132.7 ±0.5	7.00 ±0.12	4P91009	-	FOR 3 1/8" 5M MUD VALVE

UNLESS OTHERWISE SPECIFIED

BREAK SHARP CORNERS : 0.25
FILLET RADII : 0.76±0.12
CONCENTRICITY : 0.25 FIM
SQUARNESS : 0.25 IN 254
PARALLELISM : 0.25 IN 254
RFS EXCEPT WHEN (M) MODIFIED.

DCP No. 801784

ALTD : CHD : APPD : DT : 21-05-14

REV 10

ZONE 10

REVISED AND REDRAWN IN CAD.
SL No. 28 ADDED

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.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

CAD REF No. o307377

365-121

BHARAT HEAVY ELECTRICALS LTD.,
UNIT: HIGH PRESSURE BOILER PLANT.
TIRUCHIRAPALLI-620014.

DEPT VL

CODE 340

TITLE

SCALE N T S

WEIGHT (KG) -

CARD CODE U 01

NAME T.RAJARAMAN

T.RAJARAMAN

V.ALAGARSWAMI

SIGN

DATE 27-6-05

27-6-05

27-6-05

NO.OF VAR.

REFERENCE INFORMATION

DRAWING NO. 3-V-0000-07377

NO. OF ITEMS

REV 10

NOTE-3

NOTES :-

1. MATERIAL SHALL COMPLY WITH REQUIREMENTS OF LATEST APPLICABLE QUALITY PROCEDURE

2. SURFACE FINISH SHOULD BE SMOOTH

3. EACH O-RING SHALL BE MARKED WITH PERMANENT INK DIMENSIONS ø D & W AND BHEL PART No. (SEE TABULATION)

4. O-RING SHALL BE PACKED AS PER LATEST APPLICABLE QUALITY PROCEDURE.

PSL-1, 2 & 3

TEMP. RATING : P,U

©

Size A3

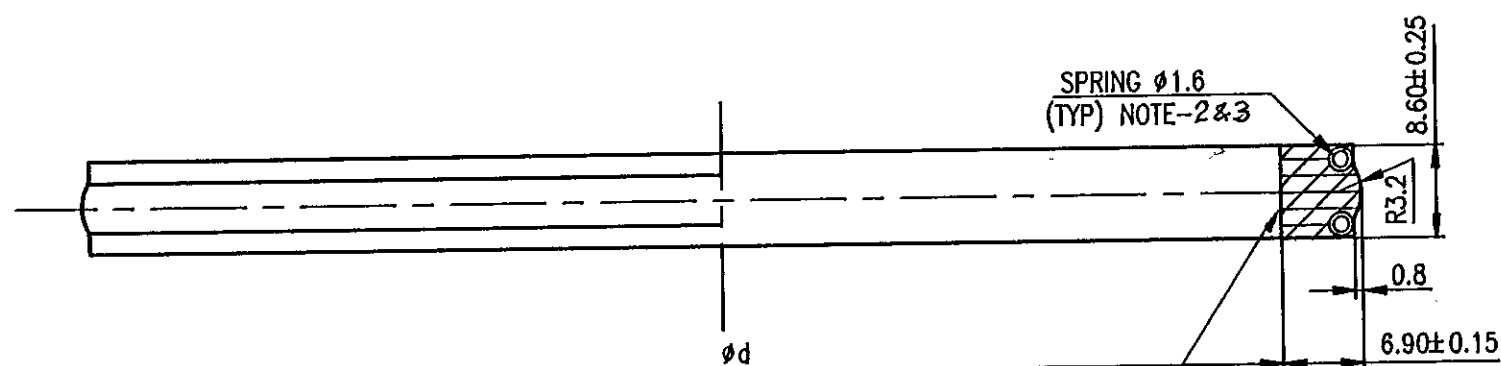
ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP.

DRAWING NO.

SLNo.	DRAWING No.	MATL. CODE	MATL. SPECN.	DIMENSIONS			WL(KG)	DIMENSIONALLY IDENTICAL TO	BHEL PART No.	REMARKS
				Ød						
01	3-V-4510-07670 /01	96 464 425	HYDROGENATED NITRILE (HSN) 80 ±5 DURO TYPE-A	Ø150.9±0.2			0.10	3V 4271 07051	4510 004	7 1/16"-10,000 PSI(HGR)
02	3-V-4A36-07670	96 464 559		Ø240.1±0.2			0.15	—	4A36004	11"- 5000 PSI HGR
03	3 V 4A62-07670	96464568		Ø176.7±0.2			0.12	—	4A62 004	9'-3/5000PSI HGR

NOTES:-

1. MATERIAL SHALL COMPLY WITH REQUIREMENTS OF LATEST APPLICABLE QUALITY PROCEDURE
2. SPRING Ø1.6, 304 STAINLESS STEEL CLOSE COIL.
3. SPRING LOCATIONS ARE CRITICAL & MUST BE LOCATED ON THE OUTER PERIMETER.
4. ~~THIS DRG. IS DIMENSIONALLY IDENTICAL TO 3V4271-07051 EXCEPT MATERIAL.~~



MARK WITH PERMANENT INK:
BHEL - BHEL PART No.

CAD No. 0307670

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									
BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI-620014.						DRN	NAME	SIGN	DATE
						CHD	V.ALAGARSWAMI	[Signature]	13-11-95
						APPD	J.ABRAHAM	[Signature]	13-11-95
DEPT VL		SCALE	WEIGHT (KG)	REFERENCE INFORMATION				NO. OF ITEMS	
CODE 340		NTS							
TITLE						CARD CODE	DRAWING NO.	REV	
S-SEALS (HSN)						U 01	3-V-0000-07670	02	

DCN. OF 0380	ALT. [Signature]	CHD [Signature]	DCN. OF 0372	ALT. [Signature]	APPD. [Signature]
REV 02	APPD. [Signature]	DATE 12.6.97	REV 01	CHD [Signature]	DT. 24-4-97
ZONE 02	SL. NO: 03 INCLUDED.		ZONE 01	SL. NO. 02 ADDED	
			ZONE 01	NOTES ALTERED.	

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.

Size A3

07740-0000-V-3
DRAWING NO.

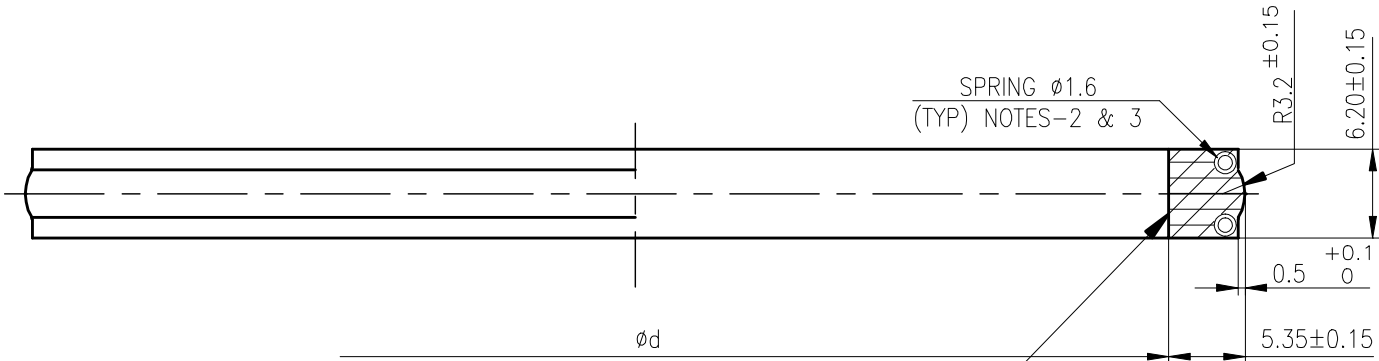
SL.No.	DRAWING No.	MATL. CODE	MATL. SPECN.	DIMENSIONS			Wt.	PARTS USED TO	IDENTICAL PATTERN TYPE / DRG.
				ød					
01	3-V-4883-07740	96 464 334	HYDROGENATED NITRILE (HSN) 80±5 DURO TYPE-A (NOTE-1)	ø68.6 ±0.2			0.05	FOR 2-1/16"-10000 PSI FBV	VPS - 001 - 9068
02	3-V-4884-07740	96 464 335		ø85.0 ±0.2			0.06	FOR 2-9/16"-10000 PSI FBV	VPS - 002 - 9068
03	3-V-4716-07740	96 464 336		ø94.62 ±0.2			0.08	FOR 3-1/16"-10000 PSI FBV	VPS - 002 - 9068
04	3-V-4N27-07740	96 469 181		ø118.7 ±0.2			0.10	FOR 5-1/8"-5000 / 10000 PSI BPV	—

NOTES:-

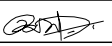
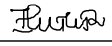
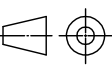
1. MATERIAL SHALL COMPLY WITH REQUIREMENTS OF LATEST APPLICABLE QUALITY PROCEDURE.
2. SPRING ø1.6, 304 STAINLESS STEEL CLOSE COIL.
3. SPRING LOCATIONS ARE CRITICAL & MUST BE LOCATED ON THE OUTER PERIMETER.
4. SURFACE FINISH SHOULD BE SMOOTH.
5. MARK WITH PERMANENT INK BHEL, MATL. CODE, BHEL PART No, VENDOR MARK & MONTH & YEAR OF MOULD & SELF LIFE AS PER APPLICABLE QUALITY PROCEDURE.
6. PACKING AS PER APPLICABLE QUALITY PROCEDURE.

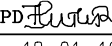
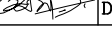
PSL-1,2&3

TEMP.RATING : P,S,T & U



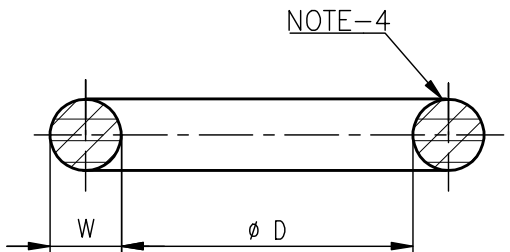
MARK WITH PERMANENT INK :
SEE NOTE-5

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 R.NATARAJAN	SIGN 	DATE 18-01-2012	NO.OF VAR.
					CHD	R.NATARAJAN		18-01-2012	
					APPD	R.ELAYARAJA		18-01-2012	
DEPT VL	—		SCALE N T S	WEIGHT (KG).	REFERENCE INFORMATION				NO. OF ITEMS
CODE 340	—			—	—				
TITLE S-SEALS - HSN						CARD CODE U 01	DRAWING NO. 3-V-0000-07740		REV 01

DCP No.	—	ALTERED 	APPD 
		CHD 	DATE 18-01-12
REV 01	SL. No. 04 ADDED. REVISED & REDRAWN IN CAD.		
ZONE 01			

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.

ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP

[illegible]

NOTES:—

1. MATERIAL SHALL COMPLY WITH REQUIREMENTS OF LATEST APPLICABLE QUALITY PROCEDURE.
2. SURFACE FINISH SHOULD BE SMOOTH
3. HARDNESS AS PER LATEST APPLICABLE QUALITY PROCEDURE.
4. EACH O-RING SHALL BE MARKED WITH PERMANENT INK DIMENSIONS ϕ D x W AND BHEL PART No./MATERIAL CODE(SEE TABULATION)
5. O-RINGS SHALL BE PACKED AS PER LATEST APPLICABLE QUALITY PROCEDURE.

PSL-1, 2 & 3

TEMP. RATING : P,U

CAD REF No. 0308569

UNLESS OTHERWISE SPECIFIED

BREAK SHARP CORNERS : 0.25
Fillet Radii : 0.76±0.12
Concentricity : 0.25 FIM
SQUARENESS : 0.25 IN 254
Parallelism : 0.25 IN 254

RFS EXCEPT WHEN (M) MODIFIED

DCP No.	ALTD <i>[Signature]</i>	CHD <i>[Signature]</i>
---	APPD <i>[Signature]</i>	Dt. 07-02-2012

REV	
08	SL No. 19 ADDED

ZONE
08

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.

TYPE OF PRODUCT
OR NAME OF
CUSTOMER/PROJECT

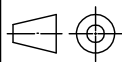


365-121

BHARAT HEAVY ELECTRICALS LTD.,
UNIT: HIGH PRESSURE BOILER PLANT.
TIRUCHIRAPALLI -620014.

DRN	NAME	SIGN	DATE	NO.OF VAR.
	T.RAJARAMAN	<i>T.Rajaraman</i>	28.08.06	
CHD	V.ALAGARSWAMI	<i>V.alagarswami</i>	28.08.06	
APPD	J.ABRAHAM	<i>J.abraham</i>	28.08.06	

DEPT	VL
CODE	340

SCALE
N T S

WEIGHT (KG).

REFERENCE INFORMATION

NO. OF
ITEMS

TITLE

O-RING (AFLAS)

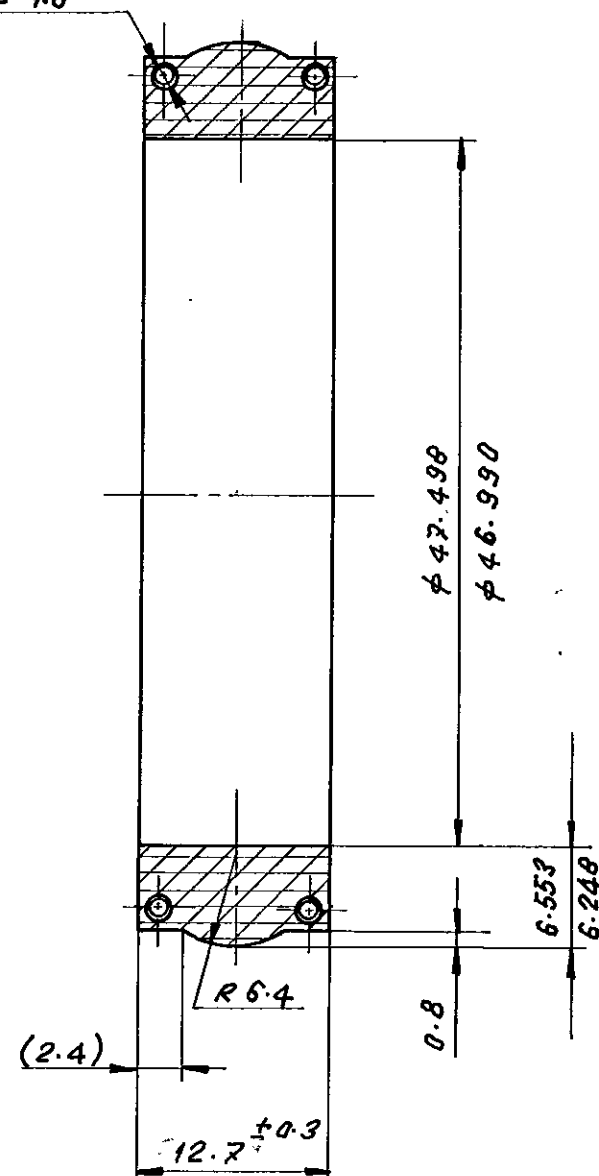
CARD
CODE
U 01

DRAWING NO.

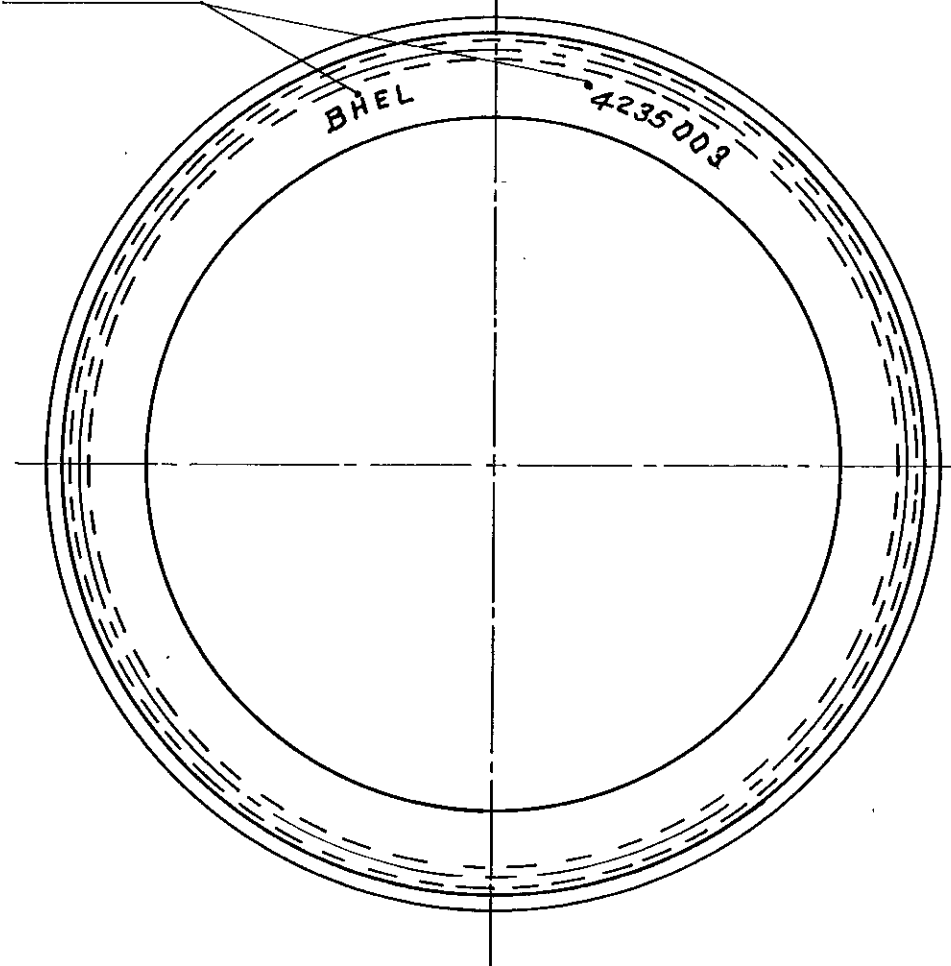
3-V-0000-08569 | 08

REV

ALL DIMENSIONS ARE IN MILLIMETRES

SPRING ϕ 1.6
(TYP.)

MOLD

**NOTES:-**

1. UNSPECIFIED TOLERANCE ± 0.25
2. SPRING ϕ 1.6, 304 STAINLESS STEEL CLOSE COIL.
3. SPRING LOCATIONS ARE CRITICAL & MUST BE LOCATED ON THE OUTER PERIMETER.

13 4 MATERIAL AS PER TDC

MS-233
MS-427
(NL-ENG-INST. MS-264)

5. IMPORTED CODE NO. 97 452 752.

NO. OF PIECES	DESCRIPTION	MATL. CODE	MATL. SPECN	HEAT TREAT	SCRAP SORT	NET WT (kg)	GROSS (WT) kg	DRAWING NO.	ITEM NO
2	PACKING.	96452 656	VITON 7015 TYPE A DURO			0.09			003

2 9/16 - 10 M

**BHARAT HEAVY ELECTRICALS LTD.,
BOILER PLANT UNIT, TIRUCHIRAPALLI-14**

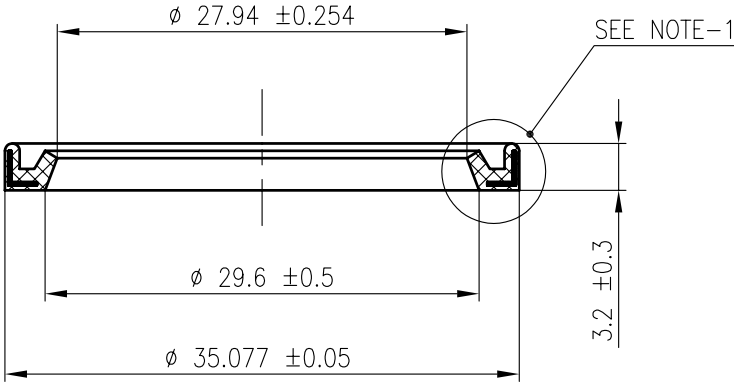
FIRST ANGLE	SCALE	DRAWN R.N.	TOTAL NET WT. (kg)
	M.T.S.	CHECKED	NL-DRG. No. H528352-3
		APPROVED	REV. B
ALL DIMENSIONS IN MILLIMETRES	DATE		SL. NO. 2724

CAUTION		TITLE BACK PRESSURE VALVE-TYPE-B	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD., BOILER PLANT UNIT, TIRUCHY-14 AND SHALL NOT BE USED WITHOUT THEIR EXPRESS WRITTEN PERMISSION IN ANY FORM OR PART THEREOF FOR ANY OTHER PURPOSE THAN FOR WHICH IT IS SENT TO YOU.		DRAWING NO	
33-115		3-V-4235-05516	
		REVISION	
		03	

DCN. NO.	ALT.	CHD.	DCN. NO.	ALTERED	APPD.	DCN. NO.	ALTERED	APPD.
OF 0364	APPD.	DT. 24-03-97	OF 890037	CHD.	24-7-89	OF 890030	CHD.	24-12-89
REV. 03	NOTES UPDATED.		REV 02	IN NOTE-4 MS-233 WAS MS-427. NOTE-6 INCLUDED.		REV 01	IN NOTE-4 MS-427 WAS MS-264. MATL. SPECN. ALTERED. REF. TLX. No. BHE : NL : 155.	
ZONE 03								

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.

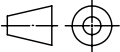
DCP No.	ALT: <i>Raj</i>	APPD: <i>Mpuraswami</i>
800479	CHD: <i>Raj</i>	DATE: 27-6-05
REV	REVISED AND REDRAMN IN CAD.	
01		
ZONE		

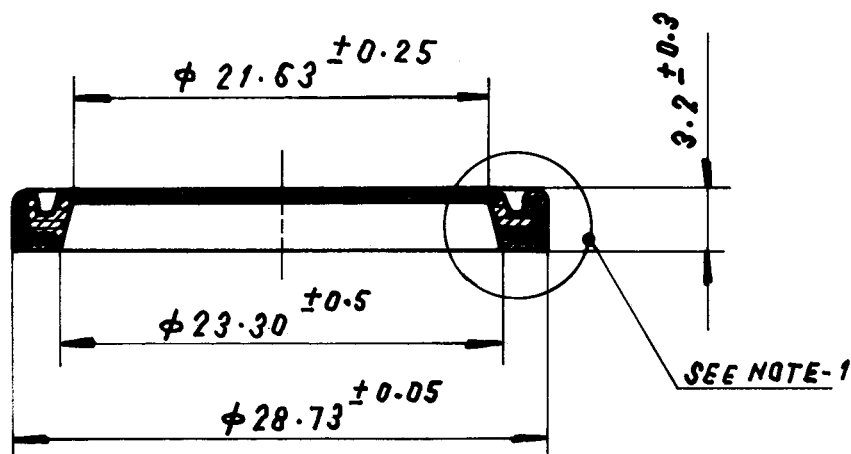


NOTES:-

1. UNSPECIFIED DETAIL WITH RESPECT TO DIMENSIONS, TOLERANCES
AND CONTOUR SHALL BE OPTIONAL WITH MANUFACTURER, PROVIDED
SERVICEABILITY OF THE SEAL IS NOT IMPAIRED.
2. DIMENSIONS OF MATING COMPONENTS FOR REFERENCE ONLY.
SHAFT DIA - $\varnothing 28.512 \pm 0.063$
HOUSING DIA - $\varnothing 34.991 \pm 0.063$

CAD REF No. o407533

	GREASE SEAL	96 452 419	BUNA-N			0.01			
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014. 365-122					DRN	NAME T.RAJARAMAN	SIGN <i>Rajaraman</i>	DATE 27-6-05	NO.OF VAR
					CHD	T.RAJARAMAN	<i>Rajaraman</i>	27-6-05	
					APPD	V.ALAGARSWAMI	<i>Mpuraswami</i>	27-6-05	
DEPT VL	—		SCALE	WEIGHT (KG).	REFERENCE INFORMATION NL DRG 7918257 REV- SL No. 744				NO. OF ITEMS
CODE 340			N T S	—					
TITLE GREASE SEAL				CARD CODE U 01	DRAWING NO. 4-V-4124-07533				REV 01



NOTES:-

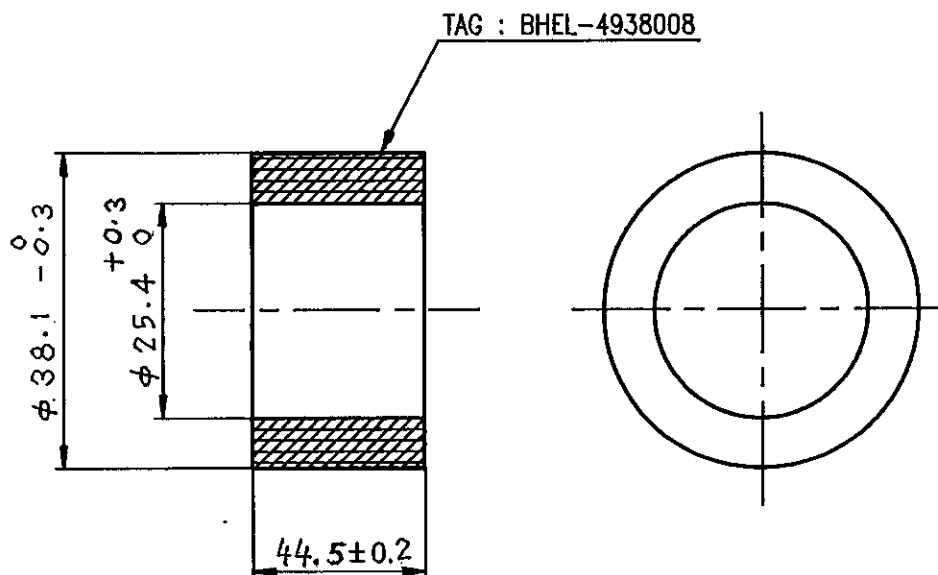
- UNSPECIFIED DETAIL WITH RESPECT TO DIMENSIONS, TOLERANCES AND CONTOUR SHALL BE OPTIONAL WITH MANUFACTURER, PROVIDED SERVICEABILITY OF THE SEAL IS NOT IMPAIRED.
- DIMENSIONS OF MATING COMPONENTS FOR REFERENCE ONLY.
SHAFT DIA - $\phi 22.19 \pm 0.03$
HOUSING DIA - $\phi 28.64 \pm 0.05$

1075069

GREASE SEAL		96452725	BUNA-N						
NO. OF PIECES	NAME - DIMENSIONS	MATL. CODE	FINAL MATL.	HEAT TREATMENT	SCRAP SORT	NET Wt (kg)	GROSS Wt (kg)	DRAWING NO.	ITEM NO.
REMARKS				TOTAL NET Wt (kg)					
SCALE	DRAWN	12/9/87.		ALTERATIONS		DATE	SIGNA- TURE	ALTERA- TION INDEX	
N.T.S	CHECKED	P.A. M. Parvatham							
	APPROVED	U. Narasimham							
	STDS. OFFICER					NL. PART No.		SL No.	
	DATE	15/9/87.				H 7918670 - 080		-	
TYPE		GROUP		OLD DRG.		NEW DRG.			
TITLE		2-1/16" - 2000		DRAWING NO.					
GREASE SEAL				4-V-4179-07643					

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.



PSL - 1,2 & 3

TEMP. RATING : P, U

NOTES:-

1. MATERIAL SHALL COMPLY WITH REQUIREMENTS OF APPLICABLE TDC.
2. SURFACE FINISH SHOULD BE *SMOOTH*.
3. THIS DRG. IS DIMENSIONALLY IDENTICAL TO 4-Y-4195-07599/02

CAD REF No. 0407950

HYDROGENATED
NITRILE.
(HSN)
80±5 DURO
TYPE-A

NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
		96 464 432				0.042			008



BHARAT HEAVY ELECTRICALS LTD.
UNIT: HIGH PRESSURE BOILER PLANT.
TIRUCHIRAPALLI 620014.

DRN	NAME	SIGN	DATE	NO. OF VAR
CHD	T. RAJARAMAN	<i>[Signature]</i>	16-11-95	
APPD	V. ALAGARSWAMI	<i>[Signature]</i>	16-11-95	
	J. ABRAHAM	<i>[Signature]</i>	16-11-95	

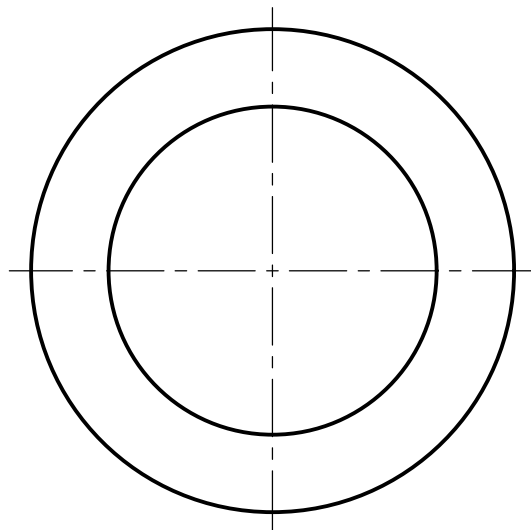
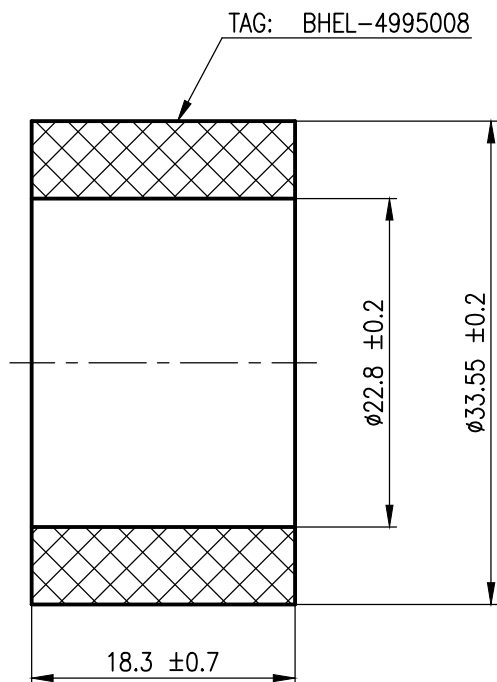
DEPT	VL	SCALE	WEIGHT (KG).	REFERENCE INFORMATION	NO. OF ITEMS
CODE	340	NTS	—	NL-DRG No 6372 REV-A, SL-NO No 324/d FOR ANCHOR SCREW	

TITLE	CARD CODE	DRAWING NO.	REV
PACKING - HSN (FOR 7 1/16" - 10M ANCHOR SCREW)	U 01	4-V-4938-07950	

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS

ALL DIMENSIONS ARE IN MILLIMETRES.
DURING MANUFACTURE REFER RELEVANT QCP/QP

DCP No.	ALTERED : G.V	CHD : R.N
802107	DATE : 03-12-15	APPD : R.E
REV	REVISED AND REDRAWN IN CAD	
01		
ZONE		

PSL-1.2 & 3TEMP. RATING : P,U**NOTE:-**

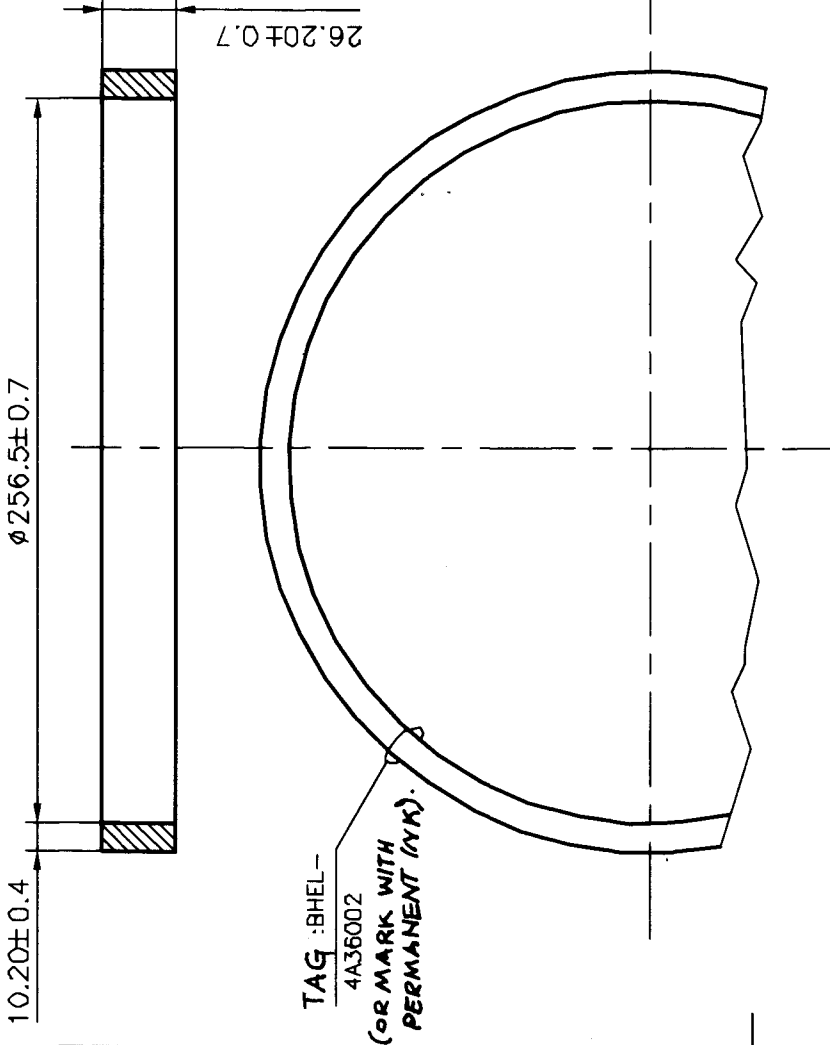
1. MATERAIL SHALL COMPLY WITH REQUIREMENTS OF APPLICABLE TDC.
2. SURFACE FINISH SHOULD BE SMOOTH.
3. THIS DRG. IS DIMENSIONALLY IDENTICAL TO 4-V-4600-07521/02
4. MATERAIL SPECIFICATION IS HYDROGENATED NITRILE (HSN) 80 ± 5 DURO TYPE-A.

		96 464 430	NOTE-4			0.013			008	
SLNo.	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No	
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014. 365-122					DRN	NAME T.RAJARAMAN	SIGN T.R	DATE 16.11.1995	NO.OF VAR —	
					CHD	V.ALAGARSWAMI	V.A	16.11.1995		
					APPD	J.ABRAHAM	J.A	16.11.1995		
DEPT VL			SCALE NTS	WEIGHT (KG). —	REFERENCE INFORMATION NL. DRG No. W03340 FOR 7-1/16" -5000 PSI ANCHOR SCREW				NO. OF ITEMS —	
CODE 340										
TITLE PACKING — HSN (FOR ANCHOR SCREW)					CARD CODE U 01	DRAWING NO. 4-V-4995-07948				REV 01

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.

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP/QP

REV	DATE	ALTERED
		CHD & APPD



NOTES:-

1. MATERIAL SHALL COMPLY WITH REQUIREMENTS OF LATEST APPLICABLE QUALITY PROCEDURE
2. SURFACE FINISH SHOULD BE SMOOTH.

PSL-1,2

TEMP. RATING: P, U

1. MATERIAL SHALL COMPLY WITH REQUIREMENTS OF LATEST APPLICABLE

QUALITY PROCEDURE

2. SURFACE FINISH SHOULD BE SMOOTH.

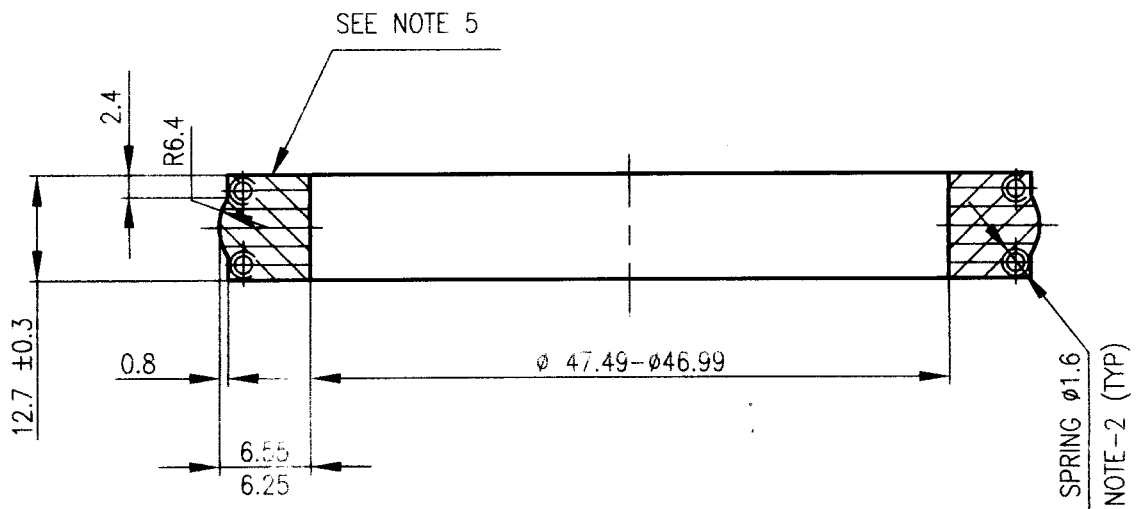


CAD REF No. 0407999

—		PACKING		96464560		HYDROGENATED NITRILE (HSN) 80±5 DURO TYPE-A		—		—		0.45		—		002			
NO OFF		DESCRIPTION		MATL CODE		MATL SPECN		HEAT TREATMENT		SCRAP SORT		NET WT { kg }		GROSS WT { kg }		DRAWING NO		ITEM NO	
 365-122		DEPT VL				SCALE N.T.S		WEIGHT (KG) —		DRN CHD APPD		T. RAJARAMAN		NAME		SIGN		DATE	
												V. ALAGARSWAMI				R. Rajaraman		24-4-97	
												J. ABRAHAM				J. Parmanani		25-4-97	
CODE		—		—		—		—		—		—		—		—		—	
TITLE		PACKING-HANGER-HSN		CARD CODE		U 01		DRAWING NO.		REV		4V-4A36-07999		REV		REV		REV	
		(DP4H5-SV F/11"-5000 PSI)																	
		(FOR NON-CONT. CONTROL LINE)																	

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.

REV	DATE	ALTERED
		CHD & APPD



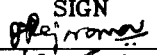
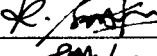
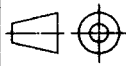
DIMENSIONALLY IDENTICAL TO DRG.NO.3V4235-05516

NOTES:-

- MATL. SHALL COMPLY WITH REQUIREMENTS OF LATEST APPLICABLE QUALITY PROCEDURE.
- SPRING ∅ 1.6, 304 STAINLESS STEEL CLOSE COIL.
- SPRING LOCATIONS ARE CRITICAL & MUST BE LOCATED ON THE OUTER PERIMETER.
- SURFACE FINISH SHOULD BE SMOOTH.
- MARK WITH PERMANENT INK : BHEL,- 4B84003 - AFLAS-
VENDOR IDENTIFICATION AND MONTH AND YEAR OF MOULD & SHELF LIFE.
- PACKING AS PER LATEST APPLICABLE QUALITY PROCEDURE.

PSL- 1,2
TEMP.RATING- P U

CAD REF No.0408186

		96 464 719	AFLAS 80± 5 DURO TYPE-A			0.09		TYPE No. 4B84	003
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
 365-122				BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014.		DRN R.NATARAJAN	SIGN 	DATE 28.10.98	NO.OF VAR
				CHD K.SIVASANKAR				29.10.98	
				APPD J.ABRAHAM				29.10.98	
DEPT VL			SCALE N T S	WEIGHT (KG).	REFERENCE INFORMATION NL.DRG.NO.H528352-3 REVB SLNO.2724				NO. OF ITEMS
CODE 340									
TITLE PACKING (F/2 1/2" NOM.BPV)				CARD CODE U 01	DRAWING NO. 4-V-4B84-08186				REV