

COPY RIGHT AND CONFIDENTIAL
The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED
it must not be used directly or indirectly in any way detrimental to the interest of the company.

REF. DRG. NO.

SIGN. & DATE

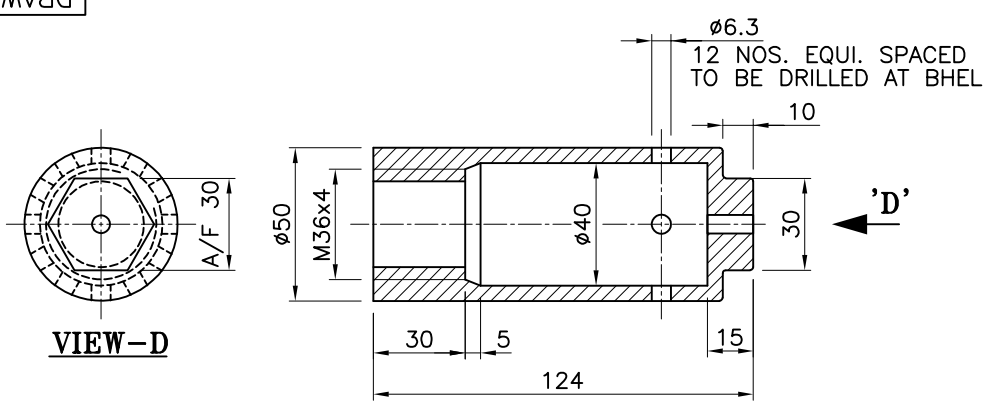
INVENTORY NO.

FIRST ANGLE PROJECTION

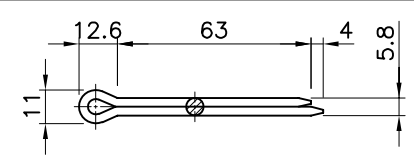
ALL DIMENSIONS ARE IN MM

3-16503-40894

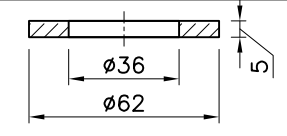
DRAWING NO.



DETAIL ITEM NO. 7C

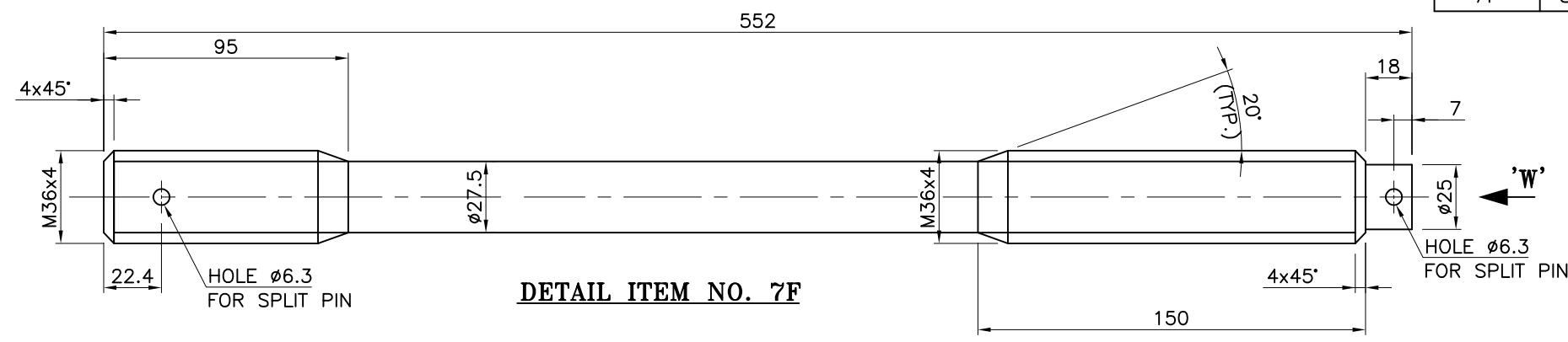


DETAIL ITEM NO. 7B

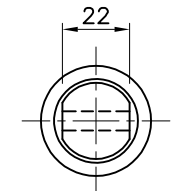


DETAIL ITEM NO. 7D

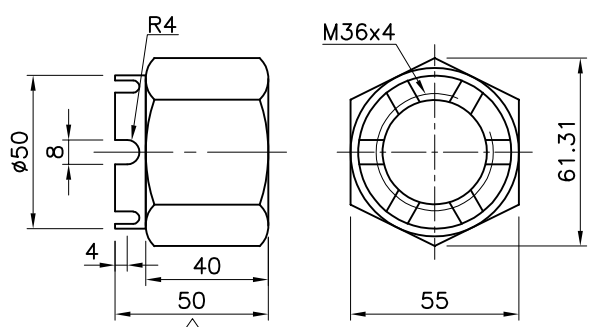
BILL OF MATERIAL					
ITEM NO.	DESCRIPTION	MATERIAL	SIZE	QTY.	WEIGHT (IN KG)
7A	CASTLE NUT	SA 540 Gr.B23 CL1	M36	60	0.85
7B	SPLIT PIN	IS:549	79.6 Lg.	120	0.01
7C	CAP	SA 540 Gr.B23 CL1	50X124 Lg. (M36)	60	0.80
7D	WASHER	SA 540 Gr.B23 CL1	62X5THK (M36)	120	0.16
7E	HEX NUT	SA 540 Gr.B23 CL1	M36	60	0.63
7F	STUD	SA 540 Gr.B23 CL4	M36X552 Lg.	60	3.04



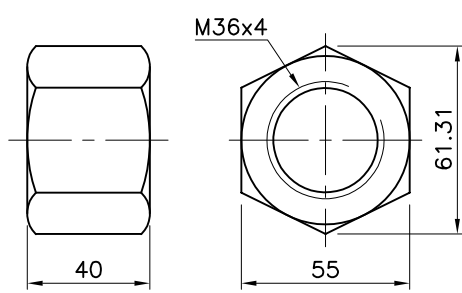
DETAIL ITEM NO. 7F



VIEW-W



DETAIL ITEM NO. 7A



DETAIL ITEM NO. 7E

DO NOT SCALE THE DRAWING.
UNLESS OTHERWISE STATED:-
ALL DIMENSIONS ARE IN mm.
MACHINE ALL OVER.
SURFACE FINISH TO BE $\frac{3.2}{\sqrt{A}}$ OR BETTER.
REMOVE ALL BURRS.
REMOVE ALL EXTERNAL SHARP CORNERS
AND EDGES BY CHAMFERING TO $0.15 \times 45^\circ$.
ROUND ALL INTERNAL CORNERS AND
EDGES TO R 0.15 .
TOLERANCES ON RADII AND CHAMFERS
(IS : 2102)
REDII AND CHAMFERS 0.5-3 3-6 6-30
TOLERANCES ± 0.2 ± 0.5 ± 1.0

TOLERANCE ON LINEAR DIMENSIONS (IS:2102)			
DIMENSIONS	TOL.	DIMENSIONS	TOL.
UP TO 6	± 0.1	315 - 1000	± 0.8
6 - 30	± 0.2	1000 - 2000	± 1.2
30 - 120	± 0.3	2000 - 4000	± 2.0
120 - 315	± 0.5	4000 - 8000	± 3.0

TOLERANCE ON LINEAR DIMENSIONS	
SPECIFIED DIMENSIONS	TOLERANCE
XX	$\pm$
XX.X	$\pm$
XX.XX	$\pm$

TOLERANCE ON ANGULAR DIMENSIONS : $0^\circ - 0.5^\circ$

ADDITIONAL INFORMATION
DRG. LIST : 4-16503-40363
STATUS OF DRAWING
W/O. NO. : 18083/84-W-04701
DISTRIBUTION OF PRINTS
CDE - 1 HCM - 4 FWM - 4



NUCLEAR POWER CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)
PROJECT : GORAKHPUR HARIYANA ANU VIDHYUT PARIYOJANA 1&2 (700 MWe)
NPCIL PURCHASE ORDER NO. : CMM/FTP/10-32-1-1152/e-PO/30447, DATED 24.01.2019
NPCIL DRAWING NO : GHAVP-1&2/32111/2008/DD SH. 2 of 2 REV.00

उत्पाद का प्रकार या ग्राहक/परियोजना का नाम
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT
MODERATOR HEAT EXCHANGER
GORAKHPUR HARYANA ANU VIDYUT PARIYOJANA - 1&2 (700 MWe)

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
भोपाल
BHARAT HEAVY ELECTRICALS LTD
BHOPAL

वनाया DRN.	महेन्द्र कुमार जायसवाल	हस्ता./SIGN	11/03/2019
जॉयं CKD.	मो. वहाब रफीक	वहाब	11/03/2019
अनुमोदित APPD.	ए.के.माहौर	11/03/2019	

विभाग DEPT.	अन.टोल. नाप की त्रैणी UNTOL. DIMS. GR.	अनुपात SCALE	भार (कि.ग्रा) WEIGHT (K.G.)	उसे. ड्राइंग का संदर्भ REF. TO ASSY. DRG.	मद क. ITEM NO.	मद संख्या NO. OF ITEM
CDE 411		1:100	-	-	-	-

ड्राइंग क./DRAWING NO.
3-16503-40894
पृष्ठ क./SHT. NO. 01 पृष्ठों की संख्या/NO. OF SHT. 01

REV.	DATE	ALTERED	कमलेश गामीत
02	19/03/20	CHECKED	मो. वहाब रफीक
		APPROVED	ए.के.माहौर
ZONE		ITEM WEIGHT ADDED IN BILL OF MATERIAL TABLE. REVISION AS MARKED 01	

REV.	DATE	ALTERED	कमलेश गामीत
01	10/05/19	CHECKED	मो. वहाब रफीक
		APPROVED	ए.के.माहौर
ZONE		DRAWING REVISED BASED ON NPCIL COMMENTS DTD. 28/03/2019. REVISION AS MARKED 01	