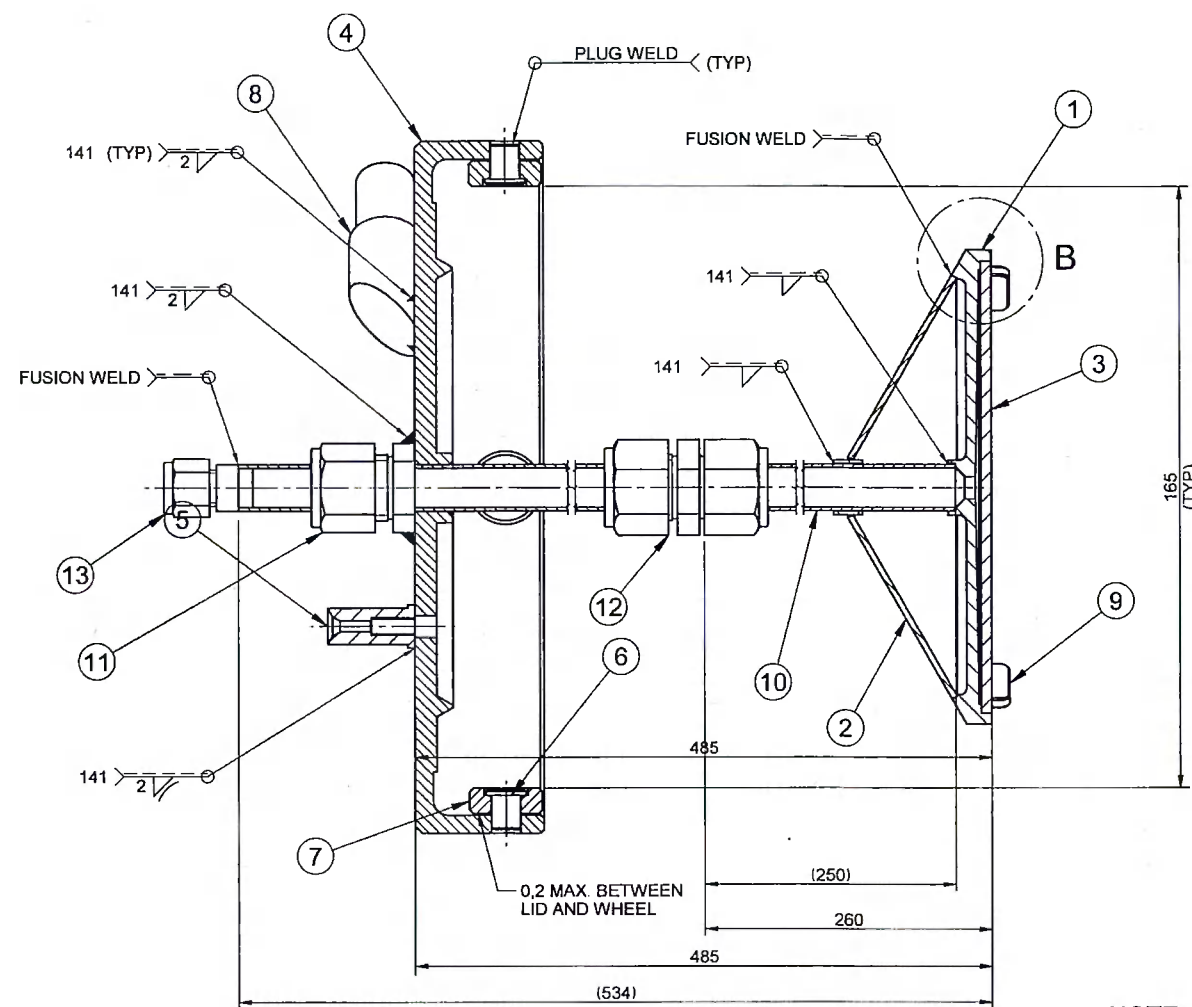
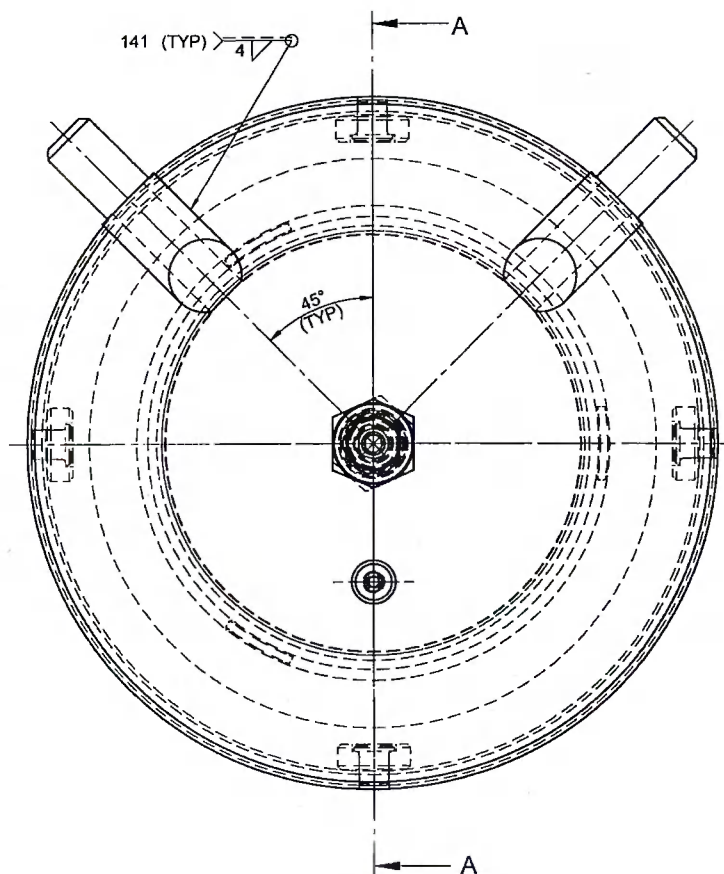


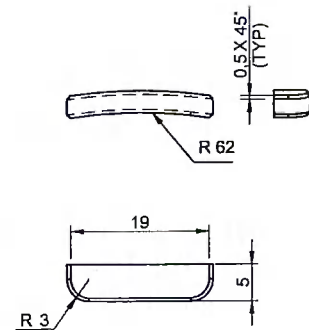
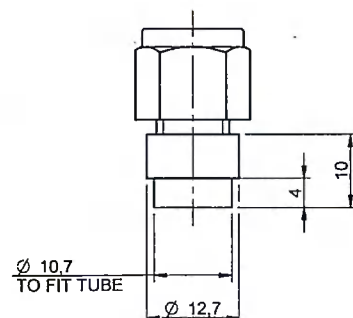
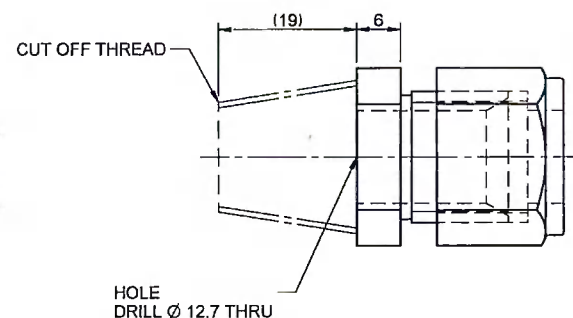
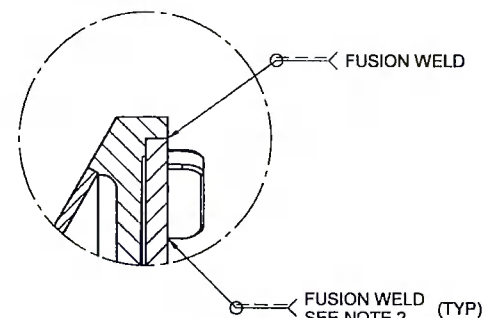
DO NOT SCALE

PROJECTION

IF IN DOUBT ASK

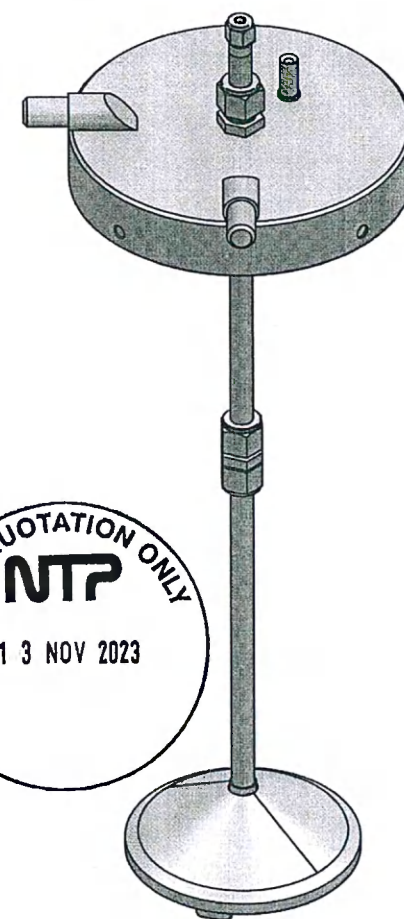
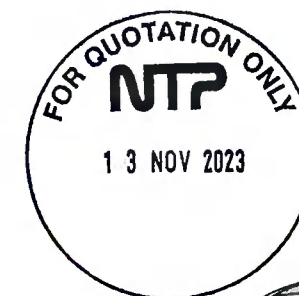


SECTION A-A

ITEM 9
SCALE 2:1ITEM 13
SCALE 2:1ITEM 12
SCALE 2:1DETAIL B
SCALE 2:1

NOTE:

- 1) SOAP LEAK TEST TO BE DONE AFTER WELD
- 2) WELD AFTER ITEM 3 IS WELDED
- 3) DESIGN REPORT No. NM-15514-REP-0001 REV 1.0
- 4) ENGRAVE ORDER NUMBER ON TOP OF LID



13	1	SUCTION PIPE COUPLING	SWAGELOCK MALE CONNECTOR No. SS-400-1-4
12	1	UNION CONNECTOR	SWAGELOCK UNION No. SS-810-6
11	1	PIPE COUPLING	SWAGELOCK MALE CONNECTOR No. SS-810-1-8
10	2	TUBE	TUBE OD. Ø 12,7 X 1 WT X 250L AISI 304
9	3	SPACER	PLATE 3 THK SA 240 304L
8	2	HAND GRIP	S 5020-12-06
7	4	LOCKING WHEEL	S 5020-12-05
6	4	SHAFT	S 5020-12-02
5	1	VALVE	S 5020-13-02
4	1	LID	S 5020-13-01
3	1	FILTER DISC	S 5020-14-03
2	1	CONE	S 5020-14-02
1	1	SUCTION COUPLING	S 5020-14-01

REV	ZONE	DESCRIPTION	CHK	DATE	REV	ZONE	DESCRIPTION	CHK	DATE
P1		ISSUED FOR APPROVAL							
R1		ISSUED FOR MANUFACTURE	GJG	31/03/2011					
R2		ITEM 4, DRAWING No S5020-13-01 WAS S5020-14-01 NTP-CCN-14/25	GJG	2014/02/27					
R3		DESIGN REVIEWED NTP-CCN-14/25	VJS	2015/02/17					

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UNLESS OTHERWISE STATED REMOVE ALL SHARP EDGES SURFACE TEXTURE: SCREW THREAD ISO 6H 6g	MACH TOLERANCES UNLESS OTHERWISE STATED	ORIGINAL SCALE 1:1
GEOMETRIC TOL BS 308 1972	OVER 10 9-5 5-30 30-100 100-300 300-1000 1000-2000 2000 PLUS ANGLES	10L 10.1 10.2 10.3 10.5 10.6 11.2 12.0 11°
WELD SYMBOLS BS EN 22553:1995	FIRST ISSUE	DRAWN GIVEN M
APPROVED 2015/02/17 DATE	CHECKED 2015-02-17 DATE	

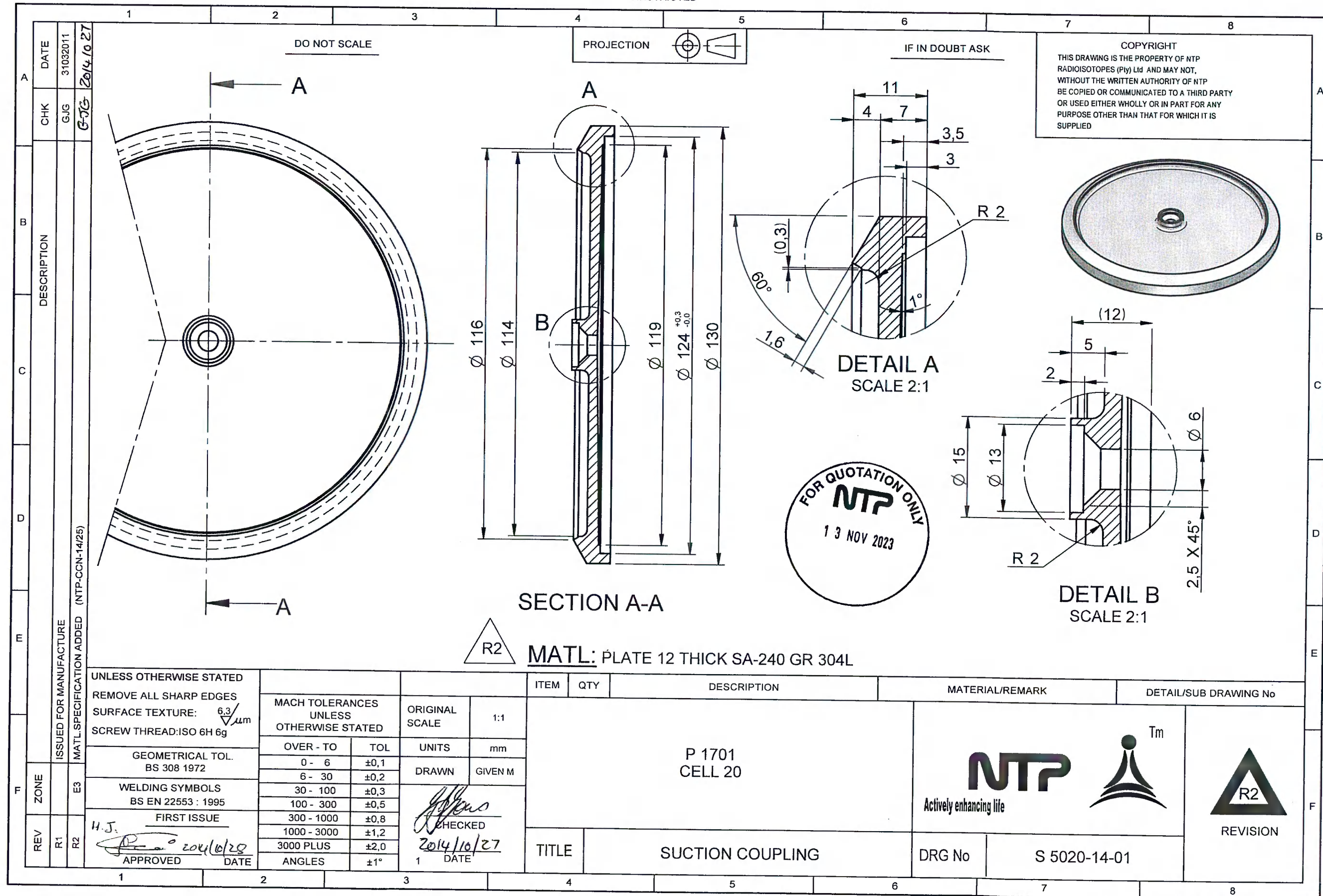
ITEM	QTY	DESCRIPTION	MATERIAL/REMARK	DETAILS/SUB DRAWING NO
		P 1701 CELL 20		
		DRG No	S 5020-14-00	
		TITLE	DISSOLVER FLASK FRIT	

NTP
Actively enhancing life



REVISION

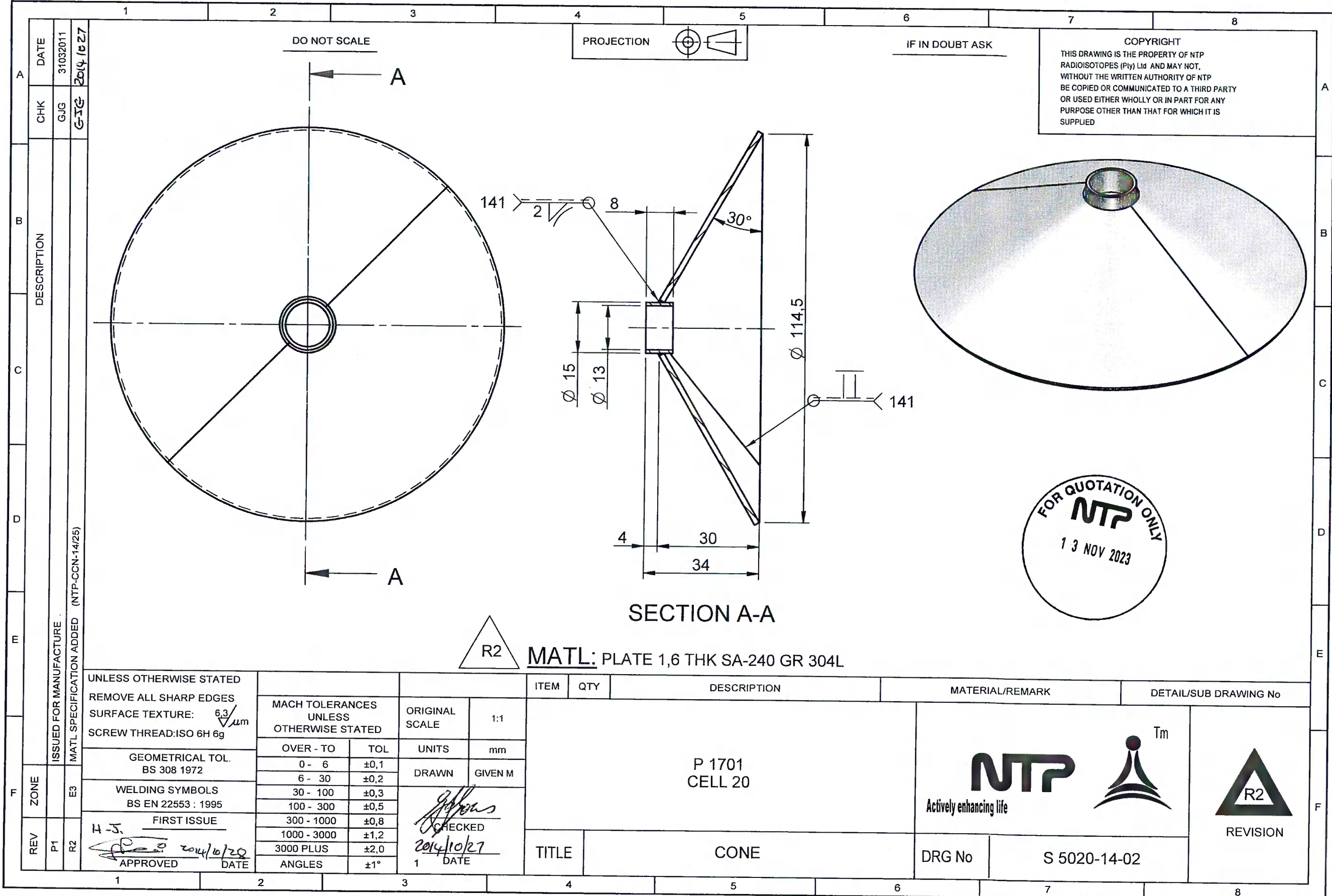
RESTRICTED



NTP-VRM-4003 Rev.0

S 5020-14-01 R2

RESTRICTED



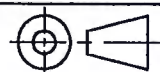
S 5020-14-02 R2

RESTRICTED

12345678

DO NOT SCALE

PROJECTION



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A
DATE
31/03/2011
CHK
GJGB
DESCRIPTION

C

D

E

F

ISSUED FOR APPROVAL
ISSUED FOR MANUFACTUREREV
P1
R1

A

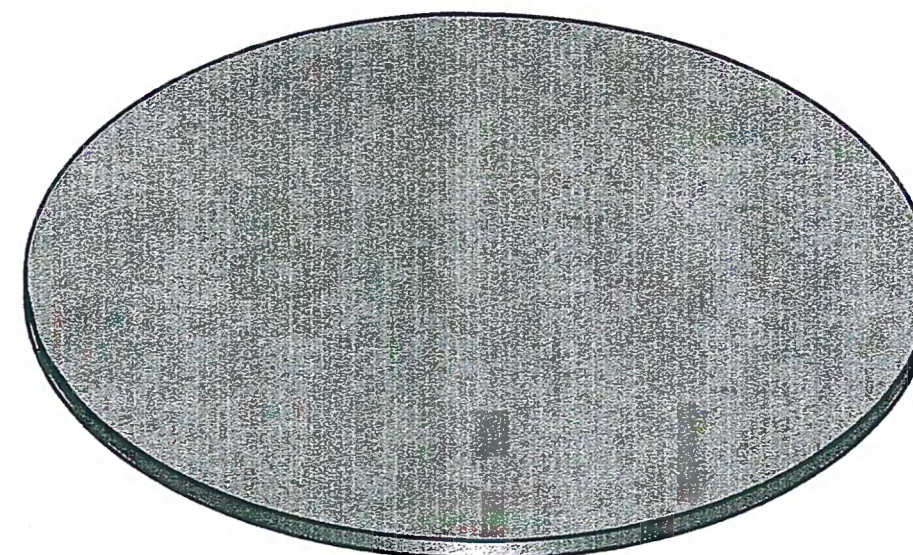
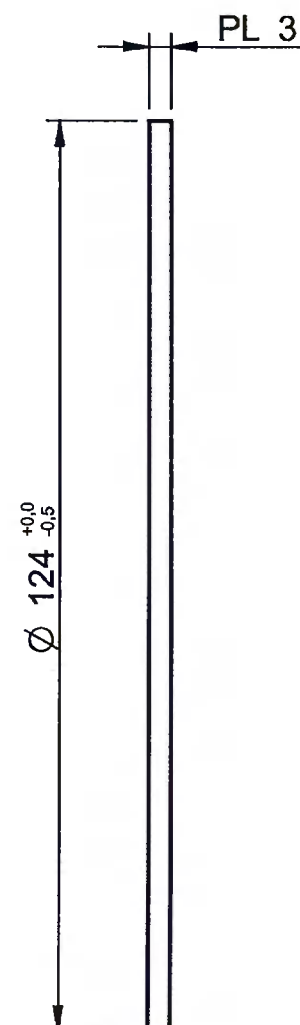
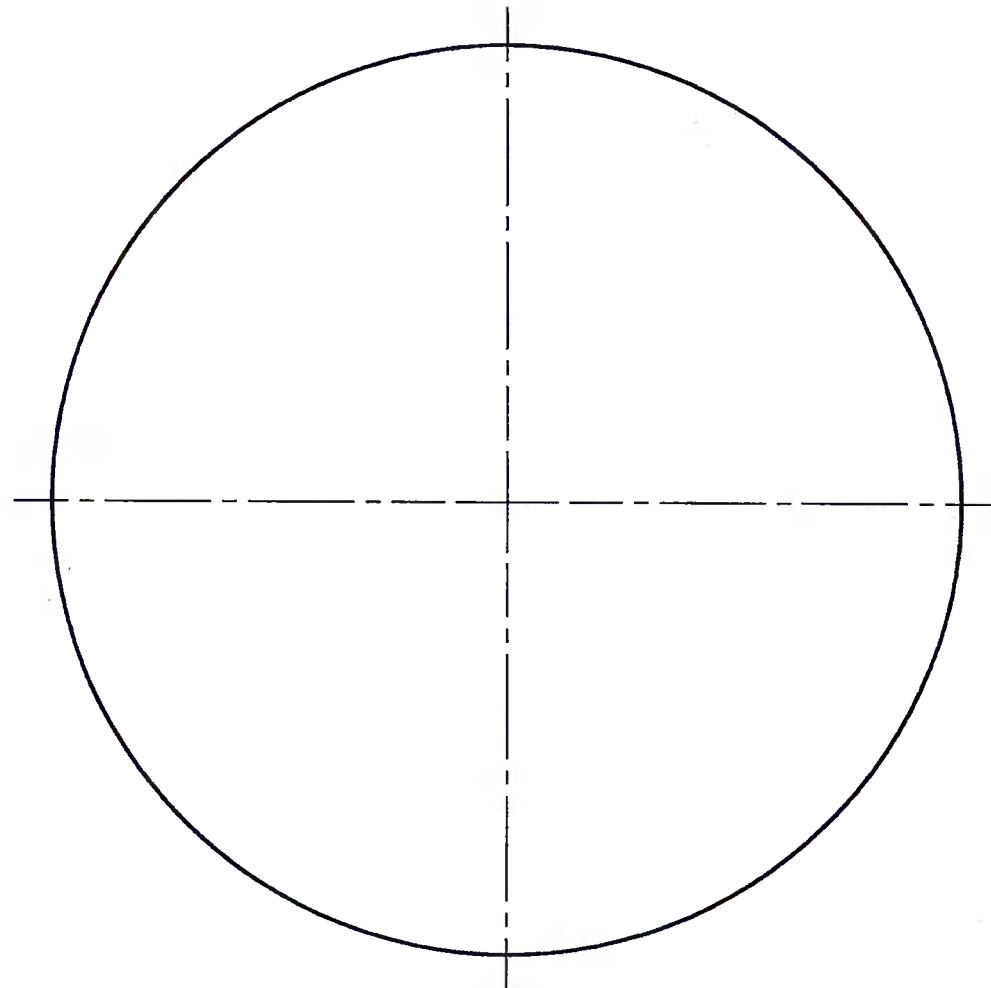
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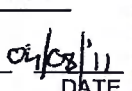
C

D

E

F

**MATL:** PLATE 3 THK SINTERED AISI 316 GR. H (13Um ABSOLUTE IN LIQUID)

UNLESS OTHERWISE STATED REMOVE ALL SHARP EDGES SURFACE TEXTURE: $3.2/\sqrt{\mu m}$ SCREW THREAD:ISO 6H 6g	MACH TOLERANCES UNLESS OTHERWISE STATED		ORIGINAL SCALE	1:1	ITEM	QTY	DESCRIPTION	MATERIAL/REMARK		DETAIL/SUB DRAWING No	
	OVER - TO	TOL	UNITS	mm							
	0 - 6	±0,1	DRAWN	GIVEN M							
6 - 30	±0,2	 CHECKED 31-03-2011 DATE									
30 - 100	±0,3										
100 - 300	±0,5										
300 - 1000	±0,8										
1000 - 3000	±1,2										
GEOMETRICAL TOL. BS 308 1972	3000 PLUS	±2,0			TITLE		FILTER DISC	DRG No	S 5020-14-03		
	ANGLES	±1°									
WELDING SYMBOLS BS EN 22553 : 1995											
FIRST ISSUE											
 APPROVED	 DATE										

RESTRICTED

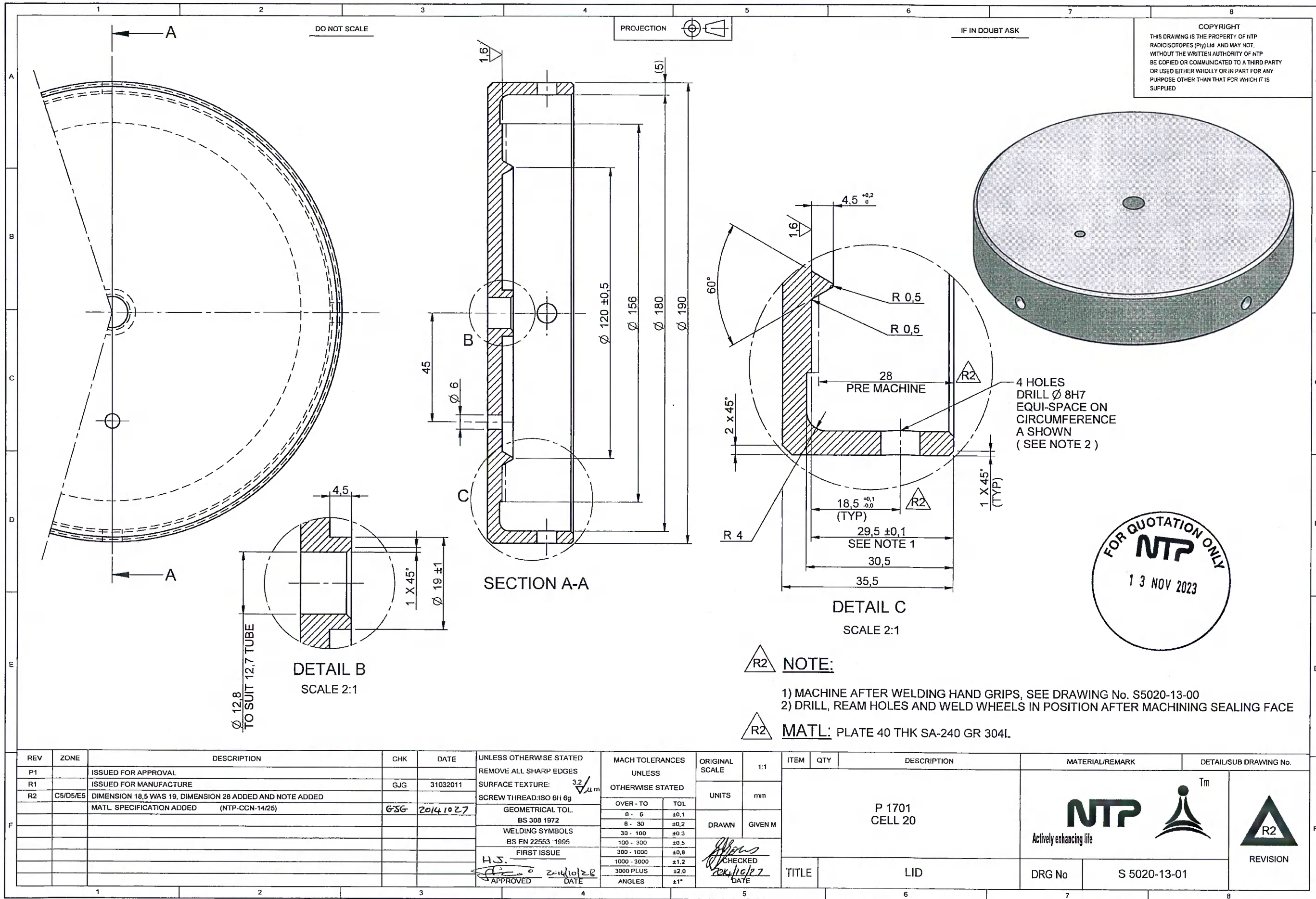
PROJECTION



IF IN DOUBT ASK

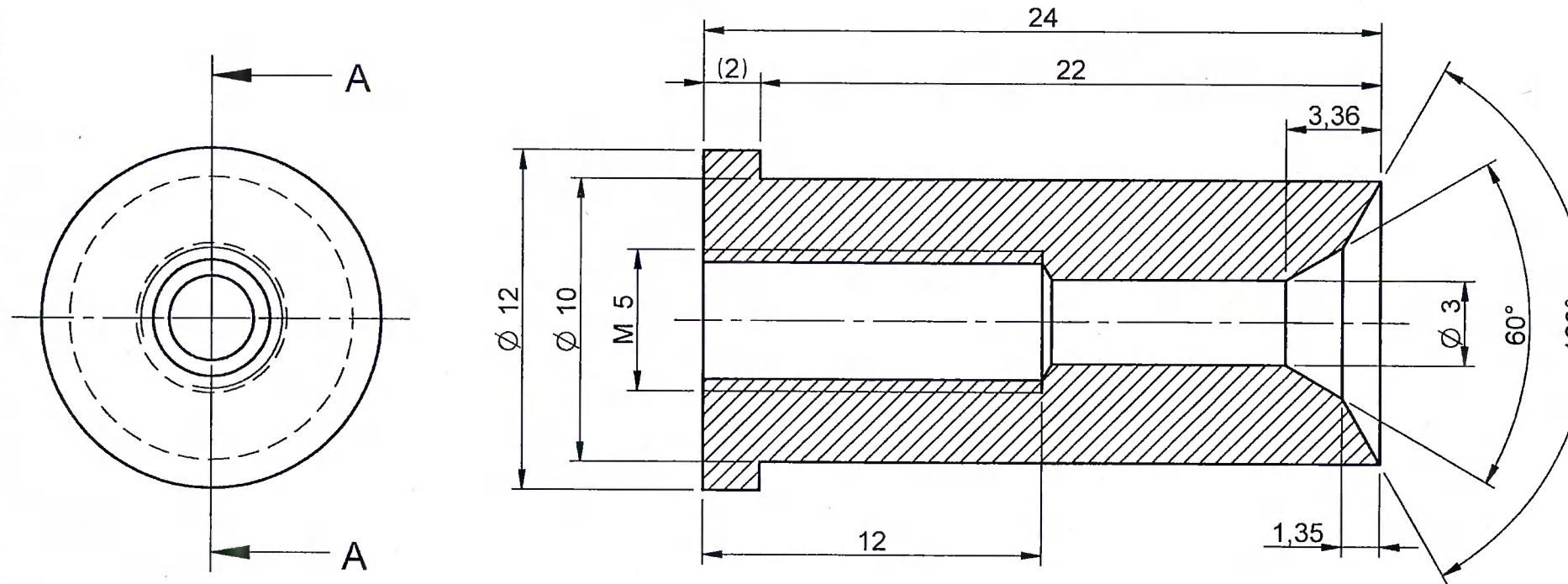
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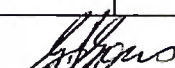
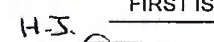
S5020-13-01 R2

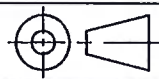
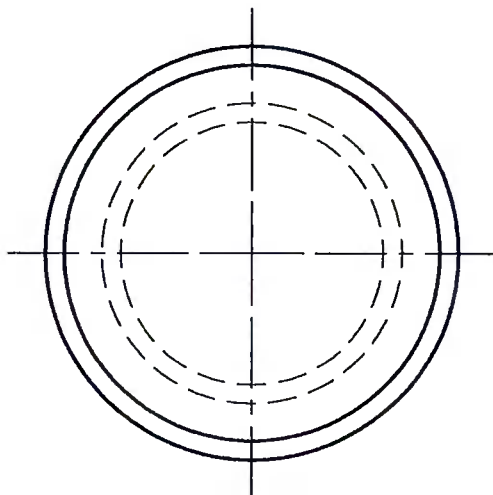
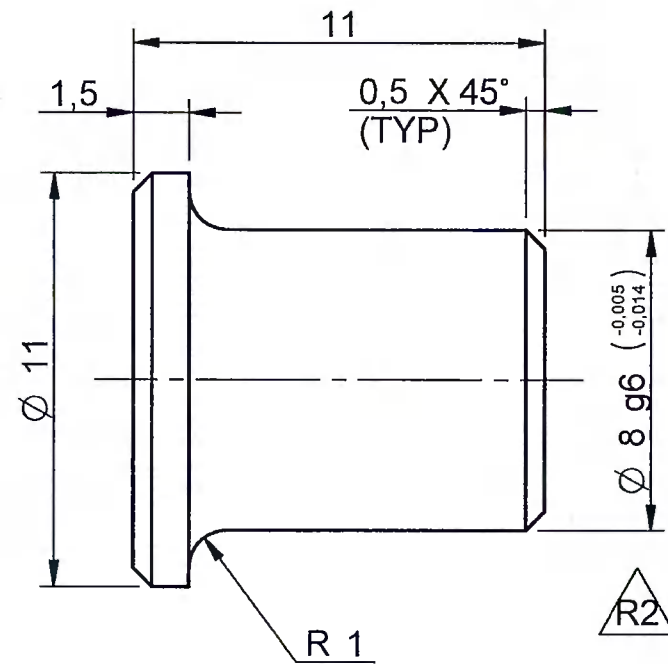
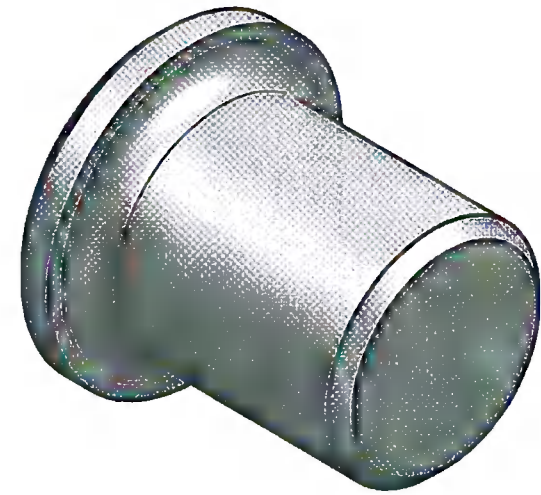


SECTION A-A

R2

MATL: ROUND BAR Ø 12 SA-276 GR 304

UNLESS OTHERWISE STATED				ITEM	QTY	DESCRIPTION	MATERIAL/REMARK		DETAIL/SUB DRAWING No	
REMOVE ALL SHARP EDGES		MACH TOLERANCES UNLESS OTHERWISE STATED		ORIGINAL SCALE	5:1	P 1701 CELL 20		NTP Actively enhancing life  Tm		 R2 REVISION
SURFACE TEXTURE: 3.2/√μm		OVER - TO	TOL	UNITS	mm					
SCREW THREAD:ISO 6H 6g		0 - 6	±0,1	DRAWN	GIVEN M					
GEOMETRICAL TOL. BS 308 1972		6 - 30	±0,2	 CHECKED 2014/10/27 DATE						
WELDING SYMBOLS BS EN 22553 : 1995		30 - 100	±0,3							
FIRST ISSUE		100 - 300	±0,5							
H.J.  APPROVED DATE 2014/10/28		300 - 1000	±0,8	TITLE		VALVE		DRG No	S 5020-13-02	
		1000 - 3000	±1,2							
		3000 PLUS	±2,0							
		ANGLES	±1°							

1		2		3		4		5		6		7		8														
A	DATE	DO NOT SCALE																										
	CHK	PROJECTION 																										
B	20141027	IF IN DOUBT ASK																										
	GJG	COPYRIGHT THIS DRAWING IS THE PROPERTY OF NTP RADIOISOTOPES (Pty) Ltd AND MAY NOT, WITHOUT THE WRITTEN AUTHORITY OF NTP BE COPIED OR COMMUNICATED TO A THIRD PARTY OR USED EITHER WHOLLY OR IN PART FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED																										
C	DESCRIPTION																											
																												
D																												
																												
E		 MATL: ROUND BAR Ø 12 SA-479 TYPE 304																										
F	ZONE	UNLESS OTHERWISE STATED REMOVE ALL SHARP EDGES SURFACE TEXTURE: $1.6/\mu m$ SCREW THREAD: ISO 6H 6g																										
	REV	<table border="1"><thead><tr><th>ITEM</th><th>QTY</th><th>DESCRIPTION</th><th>MATERIAL/REMARK</th><th>DETAIL/SUB DRAWING No</th></tr></thead><tbody><tr><td>R2</td><td></td><td>P 1701 CELL 20</td><td> </td><td></td></tr><tr><td>R3</td><td></td><td>SHAFT</td><td>DRG No S 5020-12-02</td><td>REVISION</td></tr></tbody></table>													ITEM	QTY	DESCRIPTION	MATERIAL/REMARK	DETAIL/SUB DRAWING No	R2		P 1701 CELL 20	 		R3		SHAFT	DRG No S 5020-12-02
ITEM	QTY	DESCRIPTION	MATERIAL/REMARK	DETAIL/SUB DRAWING No																								
R2		P 1701 CELL 20	 																									
R3		SHAFT	DRG No S 5020-12-02	REVISION																								

DO NOT SCALE

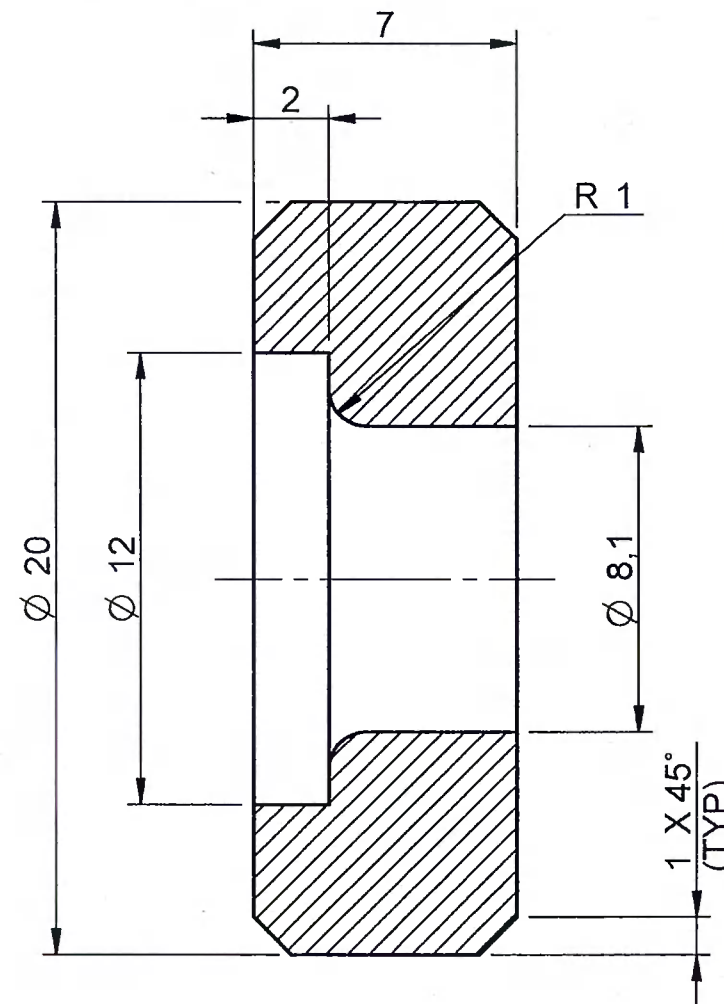
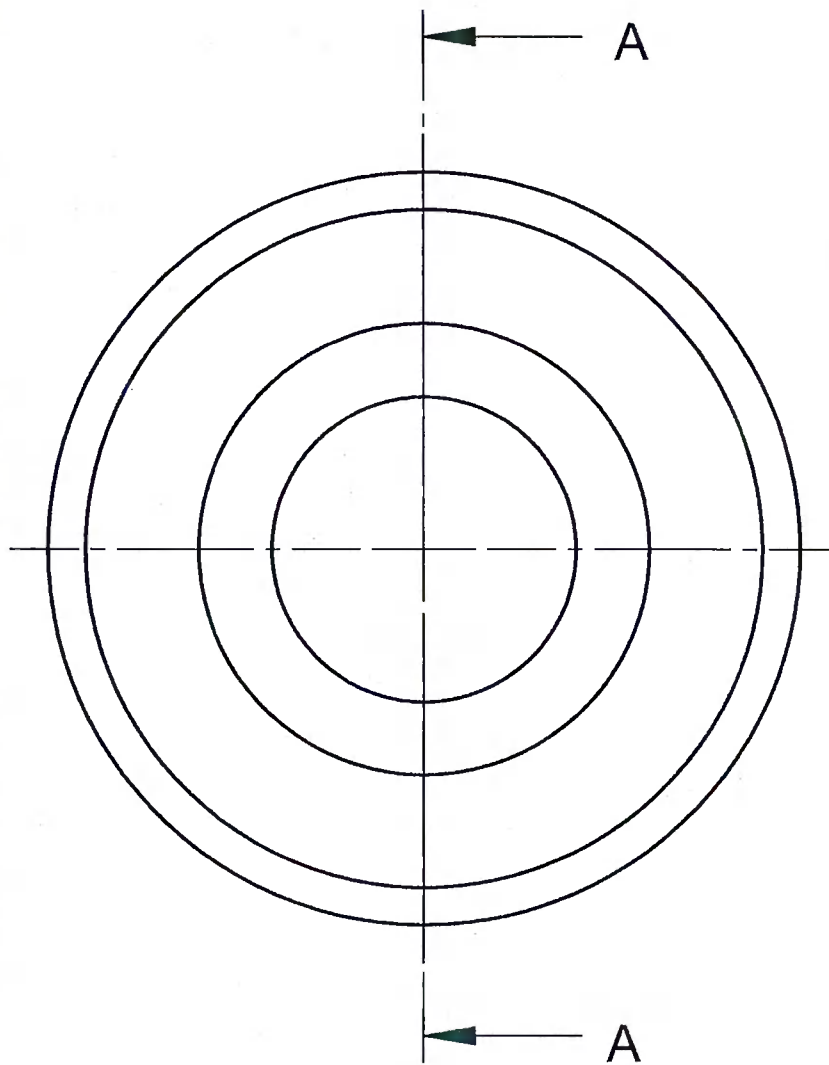
PROJECTION



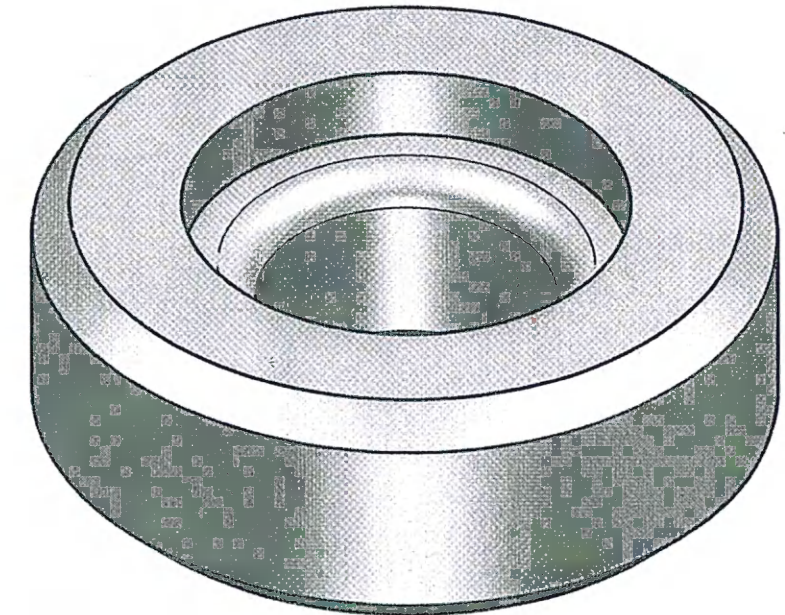
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SECTION A-A



MATL: ROUND BAR Ø 22 SA-479 TYPE 304L

UNLESS OTHERWISE STATED
REMOVE ALL SHARP EDGES
SURFACE TEXTURE: $3.2/\mu\text{m}$
SCREW THREAD: ISO 6H 6g

GEOMETRICAL TOL.
BS 308 1972

WELDING SYMBOLS
BS EN 22553 : 1995

FIRST ISSUE

APPROVED *[Signature]* 2015/02/12
DATE

MACH TOLERANCES
UNLESS
OTHERWISE STATED

OVER - TO	TOL
0 - 6	±0,1
6 - 30	±0,2
30 - 100	±0,3
100 - 300	±0,5
300 - 1000	±0,8
1000 - 3000	±1,2
3000 PLUS	±2,0
ANGLES	±1°

ORIGINAL
SCALE

5:1

UNITS
DRAWN GIVEN M

[Signature]

CHECKED

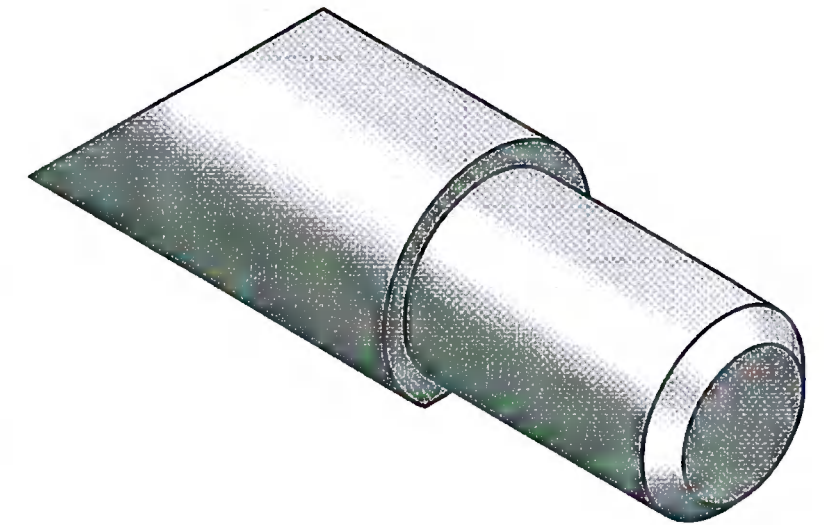
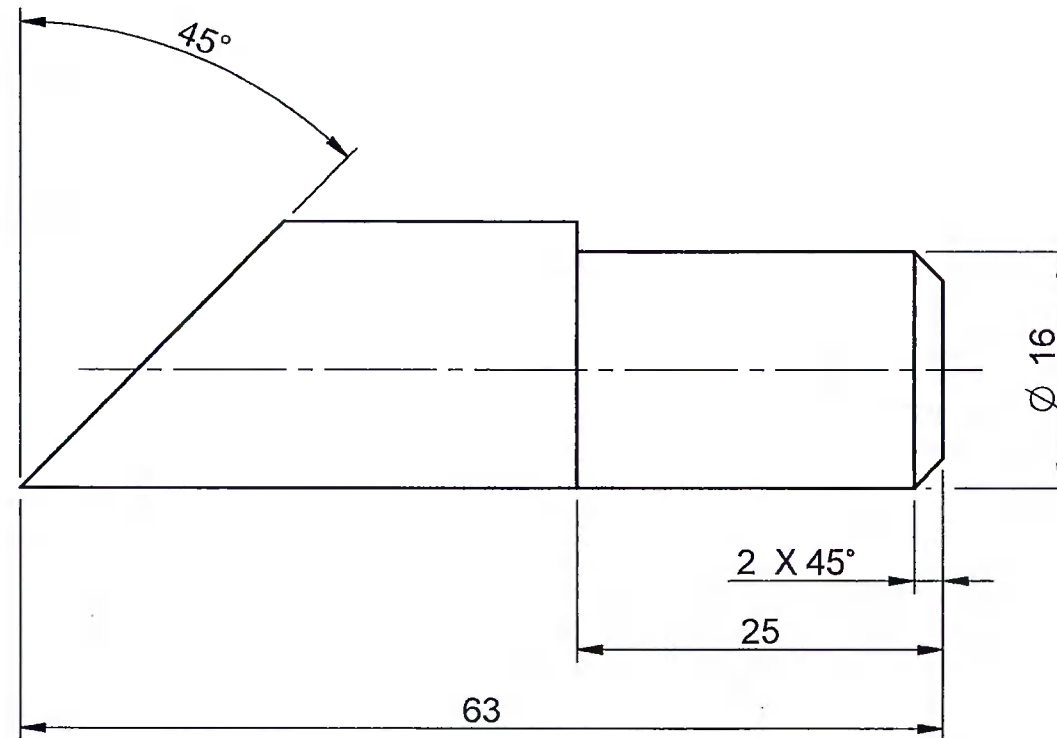
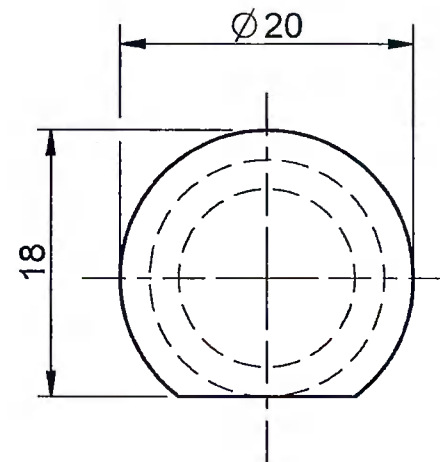
2015-02-10
DATE

ITEM	QTY	DESCRIPTION	MATERIAL/REMARK	DETAIL/SUB DRAWING No
		P 1701 CELL 20		
TITLE		LOCKING WHEEL	DRG No	S 5020-12-05

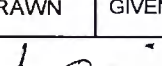


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R3 MATL: ROUND BAR Ø 20 SA-479 TYPE 304L

UNLESS OTHERWISE STATED				ITEM	QTY	DESCRIPTION	MATERIAL/REMARK		DETAIL/SUB DRAWING No				
REMOVE ALL SHARP EDGES		MACH TOLERANCES UNLESS OTHERWISE STATED		ORIGINAL SCALE	2:1	P 1701 CELL 20				 REVISION			
SURFACE TEXTURE: 6,3/√μm													
SCREW THREAD:ISO 6H 6g													
GEOMETRICAL TOL. BS 308 1972		OVER - TO	TOL	UNITS	mm								
WELDING SYMBOLS BS EN 22553 : 1995		0 - 6	±0,1	DRAWN	GIVEN M								
FIRST ISSUE		6 - 30	±0,2										
 APPROVED 2015/02/12 DATE		30 - 100	±0,3	 CHECKED 2015-02-10 DATE		TITLE		HAND GRIP		DRG No		S 5020-12-06	
		100 - 300	±0,5										
		300 - 1000	±0,8										
		1000 - 3000	±1,2										
3000 PLUS		±2,0											
ANGLES		±1°											