

# TO BE DONE IN ASSY. WITH DW-1108-0804-12 AFTER SCREWING AND DOWELLING

\* TO BE MANUFACTURED FROM DW-1108-0805-13-2

- \*\*\* PHOSPHATING AND PAINTING
1. PHOSPHATING TO BE DONE AS PER IS:3618 CLASS B
  2. PRIMER RED OXIDE TO STANDARD IS:12744 TO BE APPLIED BY FIRM WHO IS SUPPLYING STORE TO MPF AS PER DW-1134
  3. PAINTING TO BE DONE AT MPF IN OR DURING ASSEMBLY AS PER DW-1134
  4. DO NOT APPLY PRIMER AND PAINT ON THREAD AND BORE SURFACE

No. OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS
1	MOUNTING BLOCK					***

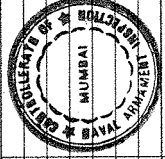
GENERAL TOLERANCE		No. OFF		No. OF ASSOCIATED PART		INDEX		ALTERATION		DATE	
0-8	± 0.1	1-10	± 1								
9-20	± 0.2	10-50	± 20								
21-30	± 0.3	50-100	± 50								
31-100	± 0.5	100	± 100								
100-2000	± 1.2										

VALUE IN "um"	SCALE	DRAWN	CHECKED	APPROVED	DATE
>25	1:1	02.08.09	11	11/1/09	VIJAY
25-50					
50-100					
100-200					
200-500					
500-1000					
1000-2000					

REPLACED	REPLACED FOR	DRAWING No.
		DW-1108-0805-13



(G. Ramesh)  
Commander  
Chief Inspector of Naval Armament  
for Commander of Naval Armament Inspection

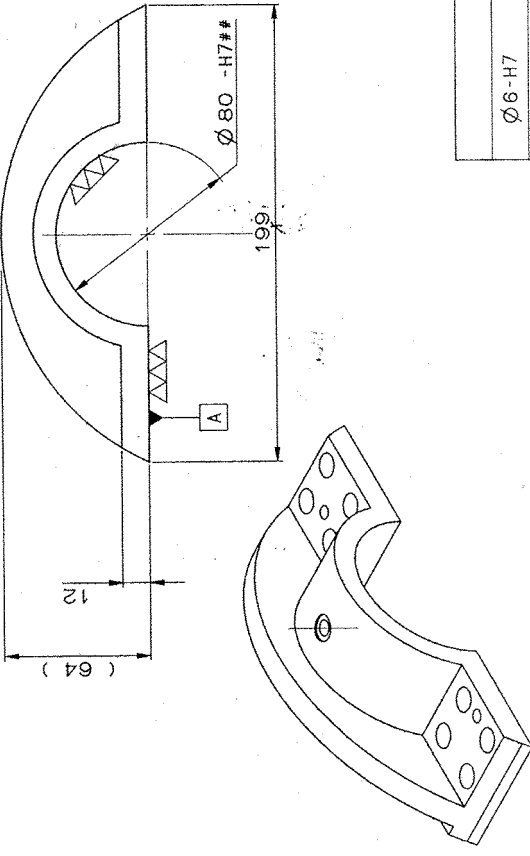
MOUNTING BLOCK  
LAUNCHER MOUNTING BRACKET ASSY-1  
LR-MR LAUNCHER  
KAVACH MOD-111

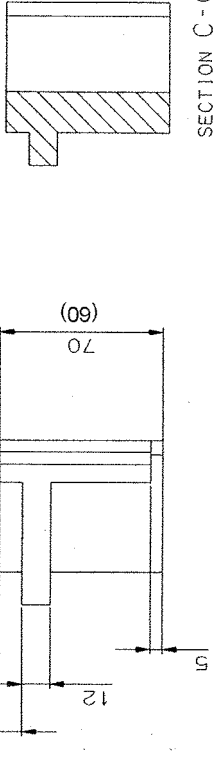
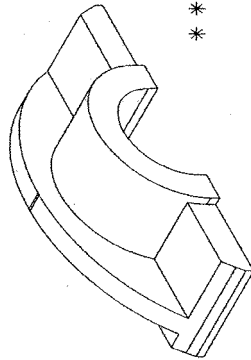
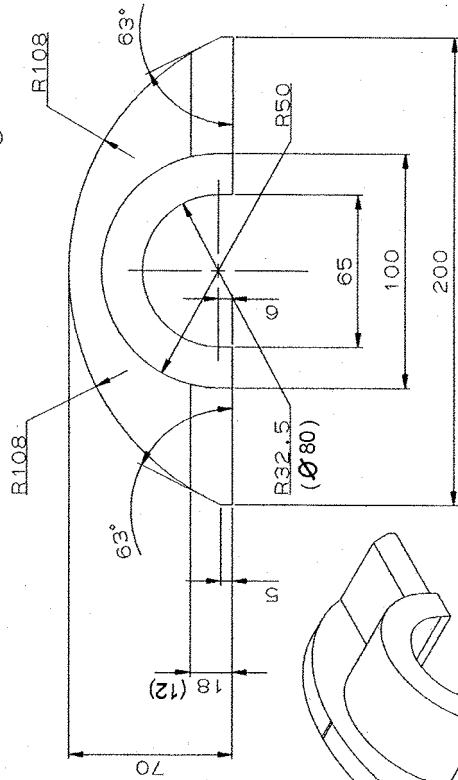
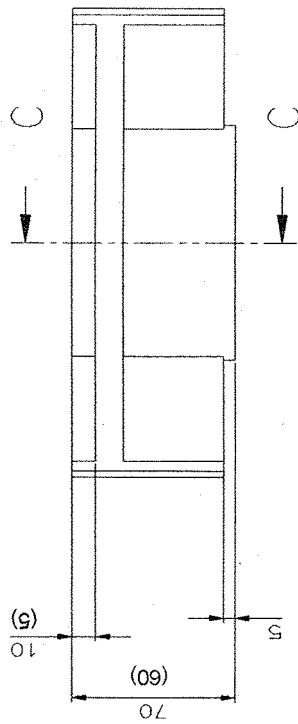
MACHINE TOOL PROTOTYPE FACTORY,  
AMBERNATH

Design Office

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Ø 6-H7	+0.015	DEVIATION
Ø 80-H7 <td>0 <td></td> </td>	0 <td></td>	
NOMINAL SIZE & FIT <td>+0.035 <td></td> </td>	+0.035 <td></td>	
	0 <td></td>	





GRADE	C	Si	Mn	Cr	Ni	S	P	Max	CU	Max
GR 280-520 W IS:1030-89	0.25	0.60	1.20	0.35	0.40	0.035	0.040	0.40	0.40	+
GR A2 BS:3100	0.35 Max	0.60 Max	1.0 Max	-	-	0.060	0.060	0.060	-	-

YIELD STRENGTH (Min)	ULTIMATE TENSILE STRENGTH (Min)	PERCENTAGE ELONGATION OF AREA % (Min)	PERCENTAGE REDUCTION OF AREA % (Min)	IMPACT STRENGTH (Min)	ANGLE OF BEND (Min)
280 MPa	520 MPa	18	25	22 Kgf/cm <sup>2</sup>	60°
260 N/mm <sup>2</sup>	490 N/mm <sup>2</sup>	18	-	20 J.Min	90°

\* FOR EACH REDUCTION OF 0.01% CARBON BELOW 0.25% AN INCREASE OF 0.04% MANGANESE ABOVE THE MAXIMUM SPECIFIED WILL BE PERMITTED UPTO A MAXIMUM OF 1.40% FOR GRADE 280-520W

MATL.: Gr. A2 BS:3100  
ALT. MAIL: GR 280-520W IS:1030-89

- NOTE:
1. CASTING TO BE DULY CLEANED & FREE FROM FINS, RUNNERS, RISERS ETC.
  2. CASTING TO BE FREE FROM CRACKS, BLOW HOLES & OTHER CASTING DEFECTS.
  3. CASTING TO BE SUPPLIED IN HEAT TREATED CONDITION TO ACHIEVE MECHANICAL PROPERTIES AS SPECIFIED.
  4. ALL UNSPECIFIED RADII ARE 5mm.
  5. CASTING AND TEST BAR SHOULD BE SUPPLIED AT SAME HEAT TREATED CONDITION.
  6. CASTING SHOULD BE TESTED FOR RADIOGRAPHIC TEST AS PER ASTM E-446-1998 LEVEL-11
  7. MACHINING SIZE SHOWN IN BRACKET

+ THE TOTAL CONTENT OF THESE RESIDUAL ELEMENTS SHALL NOT EXCEED 1.00%  
● IF MEASURABLE THE UPPER YIELD STRESS.  
OTHERWISE 0.2 PERCENT PROOF STRESS.

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No. OFF	DESCRIPTION	PART No.	MATERIAL	STANDARD	DIMENSIONS	REMARKS																														
1	CASTING FOR MOUNTING BLOCK	** *	** *	** *	Wt: - 2.56 Ks																															
<p>GENERAL TOLERANCE</p> <p>LINEAR DIMENSIONS</p> <table border="1"> <tr><td>0-5</td><td>±0.1</td></tr> <tr><td>6-20</td><td>±0.2</td></tr> <tr><td>20-50</td><td>±0.3</td></tr> <tr><td>50-100</td><td>±0.5</td></tr> <tr><td>100-200</td><td>±0.8</td></tr> <tr><td>200-500</td><td>±1.2</td></tr> </table> <p>ANGULAR DIMENSION</p> <table border="1"> <tr><td>1-10</td><td>±1'</td></tr> <tr><td>10-50</td><td>±20"</td></tr> <tr><td>50-100</td><td>±20"</td></tr> <tr><td>&gt;100</td><td>±10"</td></tr> </table> <p>VALUE IN "um"</p> <table border="1"> <tr><td>±</td><td>325</td></tr> <tr><td>∅</td><td>62.5</td></tr> <tr><td>∅</td><td>1.5 B</td></tr> <tr><td>∅</td><td>0.025-1.6</td></tr> <tr><td>∅</td><td>0.025</td></tr> </table>							0-5	±0.1	6-20	±0.2	20-50	±0.3	50-100	±0.5	100-200	±0.8	200-500	±1.2	1-10	±1'	10-50	±20"	50-100	±20"	>100	±10"	±	325	∅	62.5	∅	1.5 B	∅	0.025-1.6	∅	0.025
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<p>CASTING FOR MOUNTING BLOCK</p> <p>LAUNCHER MOUNTING BLOCK ASSY-1</p> <p>LRMR LAUNCHER</p> <p>KAVACH MOD-11</p> <p>MACHINE TOOL PROTOTYPE FACTORY, AMBERNATH</p>																																				
<p>SCALE 1:1</p> <p>CHECKED BY</p> <p>APPROVED BY</p> <p>DATE 02.08.09</p> <p>NAME VIJAY</p>																																				
<p>DESIGN @ffrrt</p>																																				
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