

2021

Date: 10-03-2021

Vendor Qualification Criteria For Al/Steel Armour

Sl. No.	Nomenclature & Drawing No.	Manufacturing Technology & Testing / Inspection Facilities required to produce the item	Must be possessed by the vendor in his own premises (List of Plant & Machinery and Testing / Inspection facility to be submitted)	May be possessed by the Vendor in his own premises (or) may be outsourced (Name and Address of sub-contractor, list of Plant & Machinery and Testing / Inspection facility to be submitted)
3	Aluminium Armour Plate - Cut Blank, Grade ABT -101, Size 23X155X230mm (LF No. 6206910320) Drg. No 175.03.023- 2A/FC	Technology 1 Manufacturing of Ingots		The of Production of Ingots As per industry standards from reputed manufacturers such as NALCO/BALCO/HINDALCO.
Technology 2 Melting of ingots			Melting and casting facility for Melting of Aluminium Ingots to make billets of suitable size & material as per OST B3.75-86	
Technology 3 Hot Rolling		Hot Rolling mill of suitable capacity for manufacturing of Plates from Billets		
Technology 4 Cold Rolling		Cold rolling mill of suitable capacity to manufacture the finished sheets with dimensional tolerances of the thickness.		
Technology 5 Cutting		Cutting / Trimming machine for making final dimensions of the plate/ component		
Technology 6 Solutionizing/ Heat treatment		Heating Furnace of suitable size and capacity to solutionizing and Ageing and HT equipment the finished components.		
Test/Inspection 1 Testing		Metallograpy and mechanical (Hardness Tester, Tensile UTM) Test facility and dimensional measurements		
Test/Inspection 2 Ballistic Testing			Final Acceptance will be after clearance of Ballistic test on Heat treated plate. Test will be arranged by HVF at PXE/CPE.	

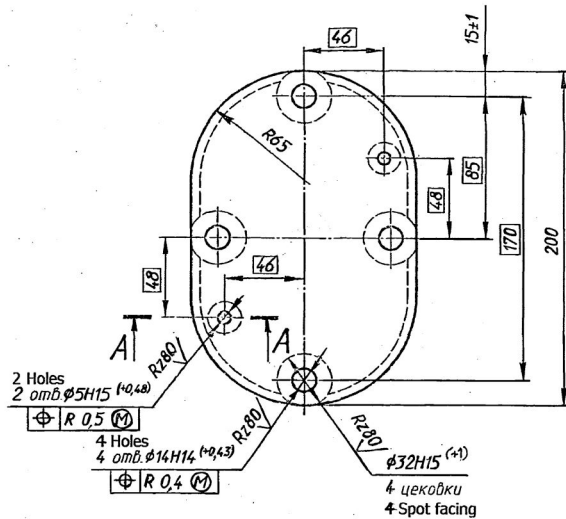
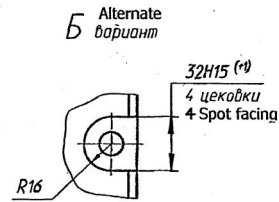
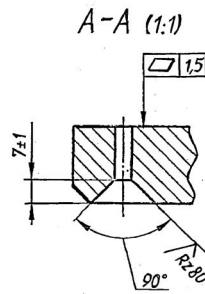
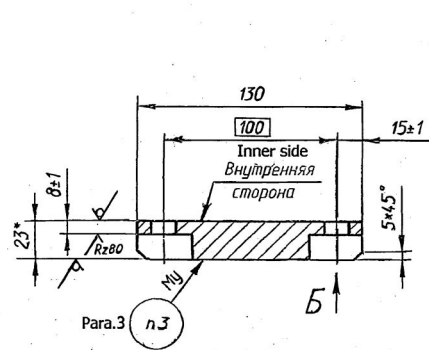
IWM/OA(ML)

RAMAIAH

DRAWING NUMBER
175.03.023-2A

SHEET No. 1 OF 1

Rz630/√



1. Deviation of contour of component from the gauge made as per nominal dimension should be $0^{+2}_{-0.5}$ mm
2. *Dimension for reference.
3. Mark the material as per GOST 2171-90, with type П0-5, GOST 2930-62.
4. Coating of outer surface
Primer B/1 - 02
Primer AK - 070
Protective enamel XB - 518.
Inner Surface
Primer AK - 070.
Dark grey enamel ПФ - 223 or Dark grey 894. ПФ - 115.
Requirement as per 520.TY5.
5. Other requirement as per 520.TY1.

DRG. INDIANISED BASED ON RUSSIAN ORIGINAL ISSUE - 3
COMMON TO T-72 & BLT

356

SUPPLY CODE
U-01-1-2

D90040

F - 61
53

SIZE A2

PILOT SAMPLE SHOULD BE APPROVED BY A H S P
BEFORE BULK PRODUCTION.

EST. WT. (Kg) 0.962	TO BE STAMPED OR MARKED WHERE INDICATED THUS # (LETTERS)
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ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS
OTHERWISE STATED MACHINED CORNERS TO HAVE R OUT-
SIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

DRN	TRAW	MATERIAL:-	USED ON:- 175.03.016cb-1Cb
CHD	B. Toniz	Plate A5 T-101 T1 23	
APPD	Chandak	OST B3-75-86	
DATE	14-10-04	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI	
SCALE:- 1:2		TITLE:-	
DIMENSIONS IN mm		ACCESS HOLE COVER	
TOLERANCE ON DIMNS UNLESS OTHERWISE STATED IS: 2102-69		D S CAT NUMBER	
ALL THREADS TO CONFORM TO		DRAWING NUMBER 175.03.023-2A	
ISSUE	DATE	NATURE OF AMENDMENTS	

