

Vendor Qualification Criteria For Al/Steel Armour

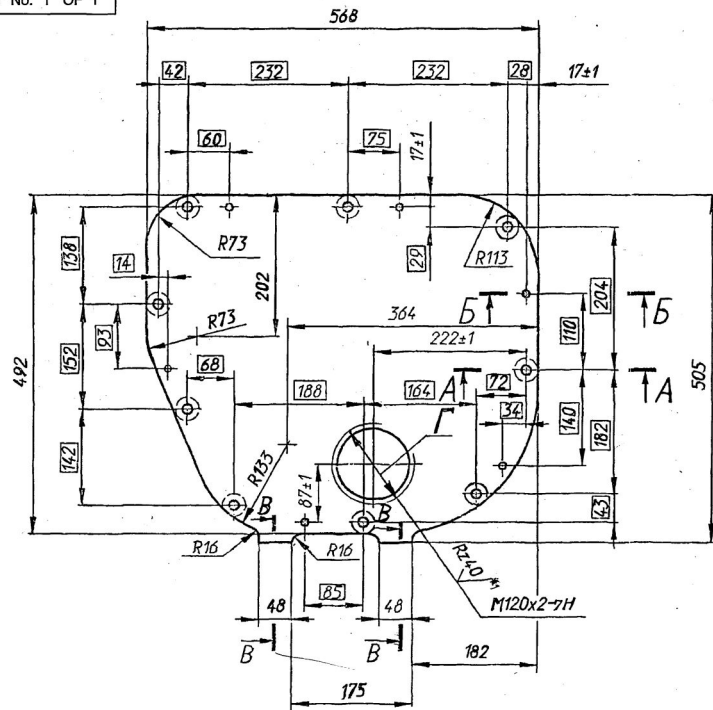
Date: 10-03-2021

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)	
		Technology 1	Technology 2			
1	Aluminium Armour Plate - Cut Blank, Grade ABT -101, Size 23X530X600mm (LF No. 6206910318) Drg. No.175.02.006-1A/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.

DRAWING NUMBER
175.03.006-1A

SHEET No. 1 OF 1

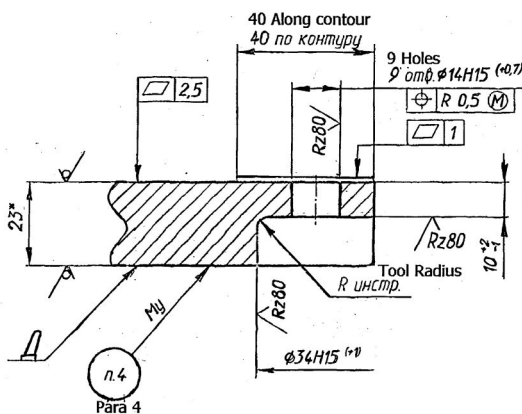
Rz630 ✓(✓)



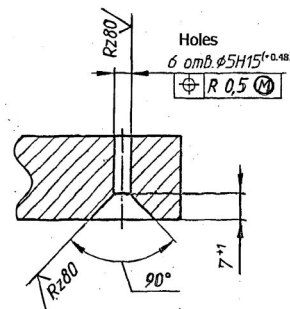
1. Отклонение контура детали от шаблона, построенного по номинальным размерам 0 ± 2 мм.
2. Резьбовое отверстие Гзенковать со стороны поверхности Д (см. А-А).
3. Допускаются сколы металла по периметру отверстия Г на выходе резьбы глубиной $0^{+1.5}$ мм на длине дуги 0^{+10} мм в количестве не более 6 штук.
4. Маркировать материал по ГОСТ 2171-90 шрифтом ПО-5 ГОСТ 2930-62.
5. *Размер для справки.
6. **Шероховатость обеспечить инструментом.
7. Остальные требования по 520.ТУ1.

1. Deviation of contour of component from the gauge, made as per nominal dimension should be 0 ± 2 mm.
2. Threaded hole Г should be counter sunk from the side of surface Д (see А-А).
3. Chipping of metal along perimeter of hole Г at the outlet of thread is allowed to depth $0^{+1.5}$ mm over the length of arc 0^{+10} mm at the rate of not exceeding 6 pieces.
4. Marking of metal as per GOST 2171-90 with type ПО-5 GOST 2930-62.
5. *Dimension for reference.
6. **Surface finishing is to be ensured by tool.
7. Other requirements are as per 520.TY1.

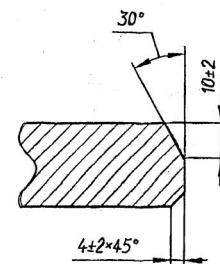
A-A (1:1)



B-B (1:1)



B-B (1:1) ○



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

EST. WT. (Kg) TO BE STAMPED OR MARKED WHERE INDICATED THUS # (LETTERS)
13.94

ALL SHARP EDGES AND CORNERS TO BE REMOVED UNLESS OTHERWISE STATED MACHINED CORNERS TO HAVE R OUTSIDE R INSIDE EQUIVALENT CHAMFERS ARE PERMISSIBLE.

DRN	TRAND	MATERIAL	USED ON
CHD	R. Tom	PLATE АБТ - 101 Т1 23	175.03.002сб-Всб
APFD	Chanchal	OCT B3 - 75 - 86	
DATE	14-10-04	CONTROLLERATE OF QUALITY ASSURANCE (HEAVY VEHICLES) AVADI	
SCALE	1:5		
DIMENSIONS	IN mm		
TOLERANCE ON DIMS	UNLESS OTHERWISE STATED IS: 2102 - 69	TITLE :- COVER	
ALL THREADS TO CONFORM TO		D S CAT NUMBER	DRAWING NUMBER 175.03.006-1A
ISSUE	DATE	NATURE OF AMENDMENTS	

DRG. INDIANISED BASED ON RUSSIAN ORIGINAL ISSUE - 5 COMMON TO T-72 & BLT

356

SUPPLY CODE
U-01-1-2

D90040

F-61
51

SIZE A2

175

