## QUALITY MONITORING INSTRUCTION FOR INSPECTION

Issue No : 01

Rev No:

Date of Issue / / 2021

A 2033 (HANDLE LOCK BARREL)

OFT/QMI/12.7 mm/A2033

Rev.No Amendment Date

MATERIAL SPECIFICAITON

A- ПВ -0-2 GOST 19904-74/ 4-II-35 GOST 16523-70

ALTERNATE MATERIAL

-A- ПВ -0-2 GOST 19904-74/ 4-II-40 GOST 16523-70-

INDIGENOUS MATERIAL

IS: 7226:1974 DESIGN C40

CONDITION OF SUPPLY

FULLY FINISHED WITH FIRM'S MATERIAL.

**END USE** 

12.7mm AD GUN.

## **INSPECTION CHECK TO BE CARRIED OUT**

Table 'A'

	1		Table A
St NO	CHARACTERISTICS	SPECIFICATION / REQUIREMENT	SAMPLE SIZE
1.	Visual	<ul> <li>(i) The Sheets shall be free from defects such as rust, Scale, burrs, Surface Rupture, Layer Separation, traces of shrinkage pipes, cavities, gas bubbles and any other harmful defects.</li> <li>(ii) The macrostructure of steel should not have any traces of shrinkage cavities, foreign inclusions, cracks, bubbles and flakes and this should be ensured by the manufacturing method.</li> </ul>	<b>100</b> %
2.	Dimension	100% dimension to check as per drawing	
3.	Chemical Composition (%)	A- ΠB -0-2 GOST 19904-74/ 4-II-35 GOST 16523-70 {Refer GOST 1050-74}  C = 0.32-0.40	One Sample Per Heat.
			<i>4</i>

			A- ΠB -0-2 GOST 19904-74/ 4-II-35 GOST 16523-70	
		]		
-		س- ٠	UTS 50-65 Kgf/mm <sup>2</sup>	1
- 1		·	Relative Elongation 18% (Min).	
1		·		
			A- ΠB -0-2 GOST 19904-74/ 4-II-40 GOST 16523-70	
4.	4.	Mechanical	UTS 52-67 Kgf/mm <sup>2</sup>	2 Sheets from
		Properties	Relative Elongation 17% (Min).	a Batch.
	i	1 32	2170 (84111);	a Dateit.
			IS:7226:1974 DESIGN C40	
			Hardness 160 HV-(Max)	
T			a Management of the Control of the C	
				]
5.		Other Test	(i) Depth of decarburized layer (based on pure ferrite) of	
	5		sheets should not exceed 2.5% of actual thickness of sheet	2 Sheets from a Batch.
	J.		from each side.	
			(ii) Bend test as per specification standard.	
L	6.	Hardness	34-41 HRC (As per drawing).	<u> </u>
7.	7	Protective Finish	Phosphate to specification JSS-0465-01, 1988, Class-II,	
			Electroless Accelerated Oil finish.	
		Packing	The Packing of the Material shall be done in such a manner to	Each
	8.		avoid corrosion and damage in handling and transit.	Consignment
Г		4	Fach Packing chall be legible moderal and transit.	3
	9.	Marking	Each Packing shall be legibly marked with manufacturer's	
L		· · · · · · · · · · · · · · · · · · ·	identity, Qty, Heat No, OFT Supply order No etc.,	

U.MANGALASAMY HOS/STD.CELL CHECKED L.S. ASHA HOS / QCM CHECKED

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