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| QUALITY MONITORING INSTRUCTION FOR INSPECTION | | Issue No : 01 |
| | | Rev No : |
| TEND-2654 (REAR CROSS) For 30P 3011 | | Date of Issue //2021 |
| | | OFT/MI/MGL/30P 3011. |
| Rev.No | Amendment | Date |
| | | |

MATERIAL SPECIFICATION : OXH3MØA-0-90 (GOST B 5192-78) (OR)
BS: 970, PART 1, 1983 GR. 817 M40.

CONDITION OF SUPPLY : 98% finished with firm's material.

END USE : 40mm MGL.

INSPECTION CHECK TO BE CARRIED OUT


Table 'A'

| SL NO | CHARACTERISTICS | SPECIFICATION / REQUIREMENT | SAMPLE SIZE |
|---|--------------------------|--|------------------------|
| 1. | Visual | The blank shall be free from defects such as rust, scale, burrs and any other harmful defects. | 100% |
| 2. | Dimension | 100% Dimension check as per drawing. | |
| 3. | Chemical Composition (%) | <u>OXH3MØA-0-90 (GOST B 5192-78)</u> C = 0.33 - 0.40 Cr = 1.20 - 1.50 Si = 0.17 - 0.37 Mo = 0.35 - 0.45 Mn = 0.25 - 0.50 V = 0.10 - 0.18 Ni = 3.00 - 3.50 S = 0.02 (Max) P = 0.02 (Max) Cu = 0.25 (Max) | One Sample Per Heat |
| | | <u>BS: 970, PART 1, 1983 GR. 817 M40</u> C = 0.36 - 0.44 Mo = 0.20 - 0.35 Mn = 0.45 - 0.70 Si = 0.10 - 0.35 Cr = 1.00 - 1.40 S = 0.040 (Max) Ni = 1.30 - 1.70 P = 0.035 (Max) | |
| (Permissible variations in value as per specification standard) | | | |
| 4. | Mechanical Properties | <u>OXH3MØA-0-90 (GOST B 5192-78)</u> % Reduction in Area = 20%. (Min.) Limit of Proportionality = 883 (90) MPa (Kgf/mm Sqr) Impact Strength = (2.0) (Kgf.m/cm ²) Min at 50°C (Key Hole Notch) Impact Strength = (3.0) (Kgf.m/cm ²) Min at 20°C (Key Hole Notch) Izod Impact 50 Joules (Min) | One Sample Per Heat |
| | | <u>BS: 970, PART 1, 1983 GR. 817 M40</u> Tensile Strength 850 - 1000 N/mm ² Yield Strength 680 N/mm ² (Min) % Elongation 13% (Min) Impact (Izod) 40ft.lb. (Min) | |

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| 6. | Packing | The Packing of the Material shall be done in such a manner to avoid corrosion and damage in handling and transit. | Each Consignment |
| 7. | Marking | Each Packing shall be legibly marked with manufacturer's identity , Qty, Heat No, OFT Supply order No etc., | |

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HOS/STD.CELL
CHECKED

L.S. ASHA
HOS / QCM
CHECKED


V.RAVEENDAR
JWM/STD.CELL
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