



SECTION A-A
SCALE 1:1

Handwritten: Heli Alto
6005-T5

NOTES:-

- BURRS, SHARP EDGES AND FOREIGN MATERIALS ARE NOT ACCEPTABLE IF THEY ARE NOT DETRIMENTAL TO ASSEMBLY FUNCTION AND SAFETY HANDLING.
- PART MUST BE FREE OF DIRT, OIL, AND FOREIGN MATERIAL.
- CONFORM TO THE RESTRICTIONS ON USE OF ENVIRONMENTAL IMPACT SUBSTANCES SPECIFIED IN LATEST SES N 2402.
- (D1) (C1)** MATERIAL CONFORM TO MS-A93005MX-TB0001_AF TYPE D.
- GENERAL TOLERANCE REFER TABLE.
- REFER TO SCIF-105* FOR SPECIAL CHARACTERISTICS. ALL THE POTENTIAL PARAMETER IN THAT LIST TO BE APPROPRIATELY CONTROLLED & APPROVED BY ENGINEERING PRIOR TO SHIPMENT.
- CHANGES AFFECTING THE DESIGN, COMPOSITION OR PROCESSING OF PREVIOUSLY APPROVED PART FOR PRODUCTION REQUIRE RE APPROVAL FROM PRODUCT ENGINEERING, REFER IATF 16949.
- (A1) (E1)** CORROSION DURABILITY SPECIFICATION ADDED BELOW.

CORROSION DURABILITY	
JIS H 8681-2 CASS TEST (500h)	MAXIMUM PITTING CORROSION DEPTH 150µm OR LESS.
JASO M610-92 CCT TEST (700 CYCLES)	NO LEAKAGE MUST BE FOUND WITH REFRIGERANT AT 3.53MPa MAXIMUM PITTING CORROSION DEPTH 180µm OR LESS.
ASTM G85A3 SWAAT TEST (40 DAYS)	NO LEAKAGE MUST BE FOUND AT 2.0MPa

GENERAL TOLERANCE TABLE	
RANGE	TOL. CLASS M (MEDIUM LEVEL)
0-6	±0.1
6-30	±0.2
30-120	±0.3
120-400	±0.5
400-1000	±0.8
ANGULAR TOLERANCE ±1°	
CHAMFER TOLERANCE	
RANGE	TOL. CLASS FINE F
0.5-3	±0.2
3-6	±0.5
6-30	±1.0

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3. THE ITEM PRODUCED IN ACCORDANCE WITH THIS DRAWING SHOULD NOT BE USED OR SUPPLIED WITHOUT HANON'S APPROVAL.

4. MASS PRODUCTION MAKER SHOULD BE THE SAME TO PROTOTYPE MAKER. MASS PRODUCTION MAKER CAN BE CHANGED UNDER THE APPROVAL OF R&D CENTER AND QUALITY ASSURANCE TEAM.
5. A SUPPLIER SHOULD NOT BE CHANGING ANY DESIGN WITHOUT AN UPDATED, APPROVED DRAWING FROM HANON. ANY CHANGES THAT THEY WANT TO IMPLEMENT SHOULD BE DISCUSSED AND AGREED TO BEFORE ANY PARTS ARE PRODUCED.

6. DRAFTED IN ACCORDANCE WITH HANON ENGINEERING CAD STANDARD LAST VERSION.
7. THE TOOLING SUPPLIER SHOULD SUBMIT THE BELOW DOCUMENTS TO HANON PD ENGINEERS WITHIN 5 DAYS AFTER RECEIVING DRAWING 1) TOOLING DRAWING/REVIEW REPORT.
2) TOOLING DEVELOPMENT PLAN.
3) DESIGN CHANGE PROPOSAL (IF REQUIRED)

LTR		REVISIONS		
CN NUMBER	DATE	ORIGINATOR	REVIEWER	APPROVER
INITIAL RELEASE				
-	20180717	MSINGHI	RMALHOT1	MKUMAR13
A1-CORROSION DURABILITY TEST SPEC ADDED				
-	20180816	MSINGHI	RMALHOT1	MKUMAR13
B1-HOLE REMOVED				
-	20181004	SSEKHAR	RMALHOT1	MKUMAR13
C1-(MATERIAL A6005-T5 REGISTERED IN MS-A93005MX-TB0001_AD TYPE D) GLOBAL SPEC. AND NOTE NO-4 UPDATED.				
-	20190709	PGOSWAMI	APAL3	MKUMAR13
D1-GLOBAL MS SPEC. REVISED FOR CU CONTENT FROM 0.1MAX TO 0.01MAX.				
-	20211119	PGOSWAMI	APAL3	MKUMAR13
E1-CORROSION TEST SPECIFICATION MODIFIED.				
-	20211126	PGOSWAMI	APAL3	MKUMAR13

ORIGINATOR	DATE	CUSTOMER PART NO.	CUSTOMER VERTICAL NAME
MSINGHI	20180717		YTK
REVIEWER	DATE	OLD PART NUMBER	
RMALHOT1	20180717		
APPROVER	DATE	DESCRIPTION	
MKUMAR13	20180717	AL EXTRUSION	
3/4" ANGLE PROJ.	CAD TYPE	PART NAME	
SCALE 1:1	US AX 11.0	PIPE R/DRIER-COND.	
SHEET 1/1	CAD HEIGHT: 118g	PART NUMBER	
DTWC IS MASTER	DWG SIZE: A2	PL HC864SYK1A-00-00	
		hanon	
		35 Y 55 T 67 55	