



400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096

METRIC AEROSPACE RECOMMENDED PRACTICE

MAP 1572

Issued 4-15-85

Revised

METRIC STUD HOLES

For Aerospace Electrical & Electronic Wire Terminating Devices

The purpose of this MAP is to establish stud hole clearance diameters to accept standard Metric studs. This is based entirely on recommendations set forth by the International Organization for Standardization (I.S.O.).

I.S.O. Recommendations R273, Clearance Holes for Metric Bolts (Fine series) and R286, I.S.O. System of Limits and Fits (H14 series) were used to establish the size and tolerance for each stud hole in the MAP.

METRIC STUD SIZE (See note 1)		AMERICAN STANDARD STUD SIZE (REF)		HOLE SIZE DIAMETER	
				mm MINIMUM	mm MAXIMUM
1.6	(.063)	0	(.060)	1.70 (.067)	1.95 (.077)
2	(.079)	2	(.086)	2.20 (.087)	2.45 (.097)
2.5	(.098)	3	(.099)	2.70 (.106)	2.95 (.115)
3	(.118)	5	(.125)	3.20 (.126)	3.50 (.138)
3.5	(.138)	6	(.138)	3.80 (.150)	4.10 (.162)
4	(.157)	8	(.164)	4.30 (.169)	4.60 (.181)
5	(.197)	10	(.190)	5.30 (.209)	5.60 (.221)
6	(.236)	1/4	(.250)	6.40 (.252)	6.76 (.266)
7	(.276)	1/4	(.250)	7.40 (.291)	7.76 (.305)
8	(.315)	5/16	(.312)	8.40 (.331)	8.76 (.345)
10	(.394)	See note 3		10.50 (.413)	10.93 (.430)
12	(.472)	1/2	(.500)	13.00 (.512)	13.43 (.529)
14	(.551)	9/16	(.562)	15.00 (.591)	15.43 (.608)
16	(.630)	5/8	(.625)	17.00 (.669)	17.43 (.686)
18	(.709)	3/4	(.750)	19.00 (.748)	19.52 (.768)
20	(.787)	3/4	(.750)	21.00 (.827)	21.52 (.847)
22	(.866)	7/8	(.875)	23.00 (.906)	23.52 (.926)

Dimensions in parenthesis are inches

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