



METRIC AEROSPACE RECOMMENDED PRACTICE

MAP1572™

REV. A

Issued 1985-04
Revised 2002-12
Reaffirmed 2021-12

Superseding MAP1572

Metric Stud Holes
for Aerospace Electrical and Electronic Wire Terminating Devices

RATIONALE

MAP1572A has been reaffirmed to comply with the SAE five-year review policy.

FOREWORD

Changes in this Revision are format/editorial only.

1. SCOPE:

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 (ISO).

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

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For more information on this standard, visit
<https://www.sae.org/standards/content/MAP1572A>

Documents

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TABLE 1

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

Note 1: Metric stud sizes define the maximum diameter and may be preceded by a thread designator.

Note 2: There is no accepted Metric stud equivalent for a No. 4 American Standard stud size.

Note 3: There is no accepted American Standard stud size equivalent for a metric 10 stud size.

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