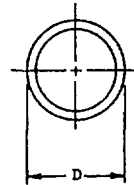
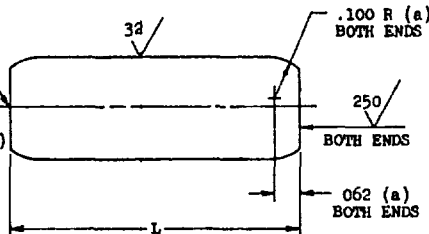


MS9164OVERSIZE
IDENTIFICATION (a)
RAISED OR
DEPRESSED 010 MAX020 APPROX. R (a)
BOTH ENDS(a) FOR 06250 AND 09375
DIAMETER PIN OVERSIZES,
IDENTIFICATION FOR THESE
PARTS SHALL APPEAR ON
THE PACKAGE.

OVERSIZE IDENTIFICATION	.002 OVERSIZE (2)	.005 OVERSIZE (5)	010 OVERSIZE (10)	015 OVERSIZE (15)
DIAMETER D	.06450 ± .00025	.06750 ± .00025	.07250 ± .00025	.07750 ± .00025
LENGTH L	PART NO.	PART NO.	PART NO.	PART NO.
250	MS9164-564	MS9164-574	MS9164-584	MS9164-594
375	MS9164-565	MS9164-575	MS9164-585	MS9164-595
500	MS9164-566	MS9164-576	MS9164-586	MS9164-596
625	MS9164-567	MS9164-577	MS9164-587	MS9164-597
.750	MS9164-568	MS9164-578	MS9164-588	MS9164-598
.875	MS9164-569	MS9164-579	MS9164-589	MS9164-599
1.000	MS9164-570	MS9164-580	MS9164-590	MS9164-600
DIAMETER D	.09575 ± .00025	.09875 ± .00025	.10375 ± .00025	.10875 ± .00025
LENGTH L	PART NO.	PART NO.	PART NO.	PART NO.
.250	MS9164-614	MS9164-624	MS9164-634	MS9164-644
.375	MS9164-615	MS9164-625	MS9164-635	MS9164-645
.500	MS9164-616	MS9164-626	MS9164-636	MS9164-646
.625	MS9164-617	MS9164-627	MS9164-637	MS9164-647
.750	MS9164-618	MS9164-628	MS9164-638	MS9164-648
.875	MS9164-619	MS9164-629	MS9164-639	MS9164-649
1.000	MS9164-620	MS9164-630	MS9164-640	MS9164-650
DIAMETER D	.12700 ± .00025	.13000 ± .00025	.13500 ± .00025	.14000 ± .00025
LENGTH L	PART NO.	PART NO.	PART NO.	PART NO.
.250	MS9164-004	MS9164-024	MS9164-044	MS9164-064
.375	MS9164-005	MS9164-025	MS9164-045	MS9164-065
.500	MS9164-006	MS9164-026	MS9164-046	MS9164-066
.625	MS9164-007	MS9164-027	MS9164-047	MS9164-067
.750	MS9164-008	MS9164-028	MS9164-048	MS9164-068
.875	MS9164-009	MS9164-029	MS9164-049	MS9164-069
1.000	MS9164-010	MS9164-030	MS9164-050	MS9164-070
DIAMETER D	.18950 ± .00025	.19250 ± .00025	.19750 ± .00025	.20250 ± .00025
LENGTH L	PART NO.	PART NO.	PART NO.	PART NO.
250	MS9164-084	MS9164-104	MS9164-124	MS9164-144
.375	MS9164-085	MS9164-105	MS9164-125	MS9164-145
.500	MS9164-086	MS9164-106	MS9164-126	MS9164-146
.625	MS9164-087	MS9164-107	MS9164-127	MS9164-147
.750	MS9164-088	MS9164-108	MS9164-128	MS9164-148
.875	MS9164-089	MS9164-109	MS9164-129	MS9164-149
1.000	MS9164-090	MS9164-110	MS9164-130	MS9164-150
DIAMETER D	.25200 ± .00025	.25500 ± .00025	.26000 ± .00025	.26500 ± .00025
LENGTH L	PART NO.	PART NO.	PART NO.	PART NO.
250	MS9164-164	MS9164-184	MS9164-204	MS9164-224
.375	MS9164-165	MS9164-185	MS9164-205	MS9164-225
.500	MS9164-166	MS9164-186	MS9164-206	MS9164-226
.625	MS9164-167	MS9164-187	MS9164-207	MS9164-227
.750	MS9164-168	MS9164-188	MS9164-208	MS9164-228
.875	MS9164-169	MS9164-189	MS9164-209	MS9164-229
1.000	MS9164-170	MS9164-190	MS9164-210	MS9164-230

(B) FOR CHANGES SEE SHEETS 1, 2 & 3

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE.

P A Air Force - 82 Other Cust Army - AV Navy - AS	TITLE PIN, STRAIGHT, HEADLESS, STEEL, OVERSIZE	MILITARY STANDARD MS9164
PROCUREMENT SPECIFICATION NONE	SUPSEDES	SHEET 1 OF 3

DD FORM 672-1

Coordinated

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Users
 Army - ML, SL
 Navy
 Air Force - II
 USA - IS
 Reviewers
 This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

APPROVED 21 Jan 50
 REVISED (A) 23 Feb 50
 (B) 6 Nov 73

Proj. No 5315-0260

MS9164F.L.D. SUP CLASS
5315

OVERSIZE IDENTIFICATION	002 OVERSIZE 2	005 OVERSIZE 5	010 OVERSIZE 10	015 OVERSIZE 15
DIAMETER D	31450 ± 00025	31750 ± 00025	32250 ± 00025	32750 ± 00025
LENGTH L	PART NO.	PART NO.	PART NO.	PART NO.
375 500 625	MS9164-245 MS9164-246 MS9164-247	MS9164-265 MS9164-266 MS9164-267	MS9164-285 MS9164-286 MS9164-287	MS9164-305 MS9164-306 MS9164-307
750 875 1 000 1 125 1 250	MS9164-248 MS9164-249 MS9164-250 MS9164-251 MS9164-252	MS9164-268 MS9164-269 MS9164-270 MS9164-271 MS9164-272	MS9164-288 MS9164-289 MS9164-290 MS9164-291 MS9164-292	MS9164-308 MS9164-309 MS9164-310 MS9164-311 MS9164-312
DIAMETER D	37700 ± 00025	38000 ± 00025	38500 ± 00025	39000 ± 00025
LENGTH L	PART NO.	PART NO.	PART NO.	PART NO.
375 500 625	MS9164-325 MS9164-326 MS9164-327	MS9164-345 MS9164-346 MS9164-347	MS9164-365 MS9164-366 MS9164-367	MS9164-385 MS9164-386 MS9164-387
750 875 1 000 1 125 1 250 1 500	MS9164-328 MS9164-329 MS9164-330 MS9164-331 MS9164-332 MS9164-333	MS9164-348 MS9164-349 MS9164-350 MS9164-351 MS9164-352 MS9164-353	MS9164-368 MS9164-369 MS9164-370 MS9164-371 MS9164-372 MS9164-373	MS9164-388 MS9164-389 MS9164-390 MS9164-391 MS9164-392 MS9164-393
DIAMETER D	43950 ± 00025	44250 ± 00025	44750 ± 00025	45250 ± 00025
LENGTH L	PART NO.	PART NO.	PART NO.	PART NO.
500 625	MS9164-406 MS9164-407	MS9164-426 MS9164-427	MS9164-446 MS9164-447	MS9164-466 MS9164-467
750 875 1 000 1 125 1 250 1 500 1 750	MS9164-408 MS9164-409 MS9164-410 MS9164-411 MS9164-412 MS9164-413 MS9164-414	MS9164-428 MS9164-429 MS9164-430 MS9164-431 MS9164-432 MS9164-433 MS9164-434	MS9164-448 MS9164-449 MS9164-450 MS9164-451 MS9164-452 MS9164-453 MS9164-454	MS9164-468 MS9164-469 MS9164-470 MS9164-471 MS9164-472 MS9164-473 MS9164-474
P A Air Force - B2 Other Cust Army - AV Navy - AS	TITLE PIN, STRAIGHT, HEADLESS, STEEL, OVERSIZE			MILITARY STANDARD MS9164
PROCUREMENT SPECIFICATION NONE	SUPERSEDES			SHEET 2 OF 3

APPROVED 21 Jan 58 REVISED (B) FOR CHANGES SEE SHEETS 1, 2 AND 3

Users
Review activities
Army - MI, SL
Navy - Forgs - II
AFSA - IS

The military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

Proj No 5315-0260

MS9164**FED SUP CLASS**
5315

OVERSIZE IDENTIFICATION	002 OVERSIZE (2)	005 OVERSIZE (5)	010 OVERSIZE (10)	015 OVERSIZE (15)
DIAMETER D	5020 ± .0005	5050 ± .0005	.5100 ± .0005	5150 ± .0005
LENGTH L	PART NO.	PART NO.	PART NO.	PART NO.
500	MS9164-486	MS9164-506	MS9164-526	MS9164-546
.625	MS9164-487	MS9164-507	MS9164-527	MS9164-547
750	MS9164-488	MS9164-508	MS9164-528	MS9164-548
875	MS9164-489	MS9164-509	MS9164-529	MS9164-549
1 000	MS9164-490	MS9164-510	MS9164-530	MS9164-550
1 125	MS9164-491	MS9164-511	MS9164-531	MS9164-551
1 250	MS9164-492	MS9164-512	MS9164-532	MS9164-552
1 500	MS9164-493	MS9164-513	MS9164-533	MS9164-553
1 750	MS9164-494	MS9164-514	MS9164-534	MS9164-554
2 000	MS9164-495	MS9164-515	MS9164-535	MS9164-555

FOR STANDARD SIZE PINS, SEE AM12676 THRU AM126775.

PINS MUST BE STRAIGHT WITHIN .0005 FIR.

MATERIAL: STEEL A455132

HARDNESS: .06450 TO 10875 - 26-32 HRC

.12730 TO 20250 - 23-29 HRC

25200 TO .45250 - 17-23 HRC

.5020 TO .5150 - 89-95 HRC

SURFACE TEXTURE: ANSI B46 1

BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED

DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED; TOLERANCES: LINEAR DIMENSIONS ± .010

DO NOT USE UNASSIGNED PART NUMBERS

P. A. Air Force - 82

Other Cust
Army - AV
Navy - AS

TITLE

PIN, STRAIGHT, HEADLESS, STEEL, OVERSIZE

MILITARY STANDARD**MS9164**PROCUREMENT SPECIFICATION
NONE

SUPERSEDES

SHEET 3 OF 3

DD FORM 672-1

Coordinated

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

☆ U. S. GOVERNMENT PRINTING OFFICE: 1973 713-149/2544

Users

Review activities
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Navy
Air Force - II
DSA - IS

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APPROVED 21 Jan 58 REVISED (B) FOR CHANGES SEE SHEETS 1, 2 AND 3

INCH-POUND

**NOTICE
OF VALIDATION**

**MS9164B
NOTICE 1
3 October 1991**

MILITARY STANDARD

PIN, STRAIGHT, HEADLESS, STEEL, OVERSIZE

MS9164B, dated 6 November 1973, has been reviewed and determined to be valid for use in acquisition

Custodians

Army — AV

Navy — AS

Air Force — 11

Preparing activity:

Navy — AS

AMSC N/A

FSC 5315

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