

PED SUP CLASS
5305

NOTES

- 1 **MATERIAL** Carbon steel in accordance with Fed. Std. No. 66 having minimum ultimate tensile strength of 60,000 PSI.
- 2 **PROTECTIVE COATING** Cadmium plated in accordance with Type II, Class 3 of QQ-P-416 or MIL-C-81562.
- 3 **THREADS** The threads shall be in accordance with Screw-Thread Standards for Federal Services, Handbook H-28.
- 4 **THREAD LENGTH** Screws 2.00 inches long and shorter shall have complete threads extending to within two threads of the head, or closer if practicable. Longer screws shall have a minimum thread length of 1.50 inches.
- 5 **UNDERCUT HEADS** Screws above dotted lines shall have undercut heads.
- 6 **DIMENSIONS** All dimensions are in inches, unless otherwise specified.
- 7 **RECESS** The recess shall be in accordance with MS9006.
- 8 **PART NUMBER** The MS part number consists of the MS number, plus the dash number.
Example MS35190-209 plain screw or MS35190-2091 self-locking screw.
- 9 Referenced documents shall be of the issue in effect on date of invitations for bid.
- 10 For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- 11 **SELF-LOCKING ELEMENT**
 - (a) The self-locking element shall be a patch type or longitudinal strip in accordance with MIL-P-18240.
 - (b) Maximum ring gage diameter that locking region of screw must pass thru freely or with finger pressure shall be the nominal size plus 0.008.
 - (c) For "I" and "V" dimensions and design and usage limitations, see MS15981.

 TABLE II
 INTERCHANGEABILITY

Screws covered by the following dash numbers given in ANSOS are cancelled after 24 February 1965. The cancelled screws cannot always replace the new screws, and should be used until existing stocks are depleted. Use only the new screws for design and replacement. Replacement shall be in accordance with this table.

PART NUMBERS

CANCELLED ANSOS	NEW MS35190	CANCELLED ANSOS	NEW MS35190	CANCELLED ANSOS	NEW MS35190	CANCELLED ANSOS	NEW MS35190	CANCELLED ANSOS	NEW MS35190
2R3	210	5R6	NR	6R4	249	10R26	NR	516R13	NR
2R4	211	5R7	NR	6R5	250	10R28	278	516R14	305
2R5	212	5R8	NR	6R6	251	10R30	NR	516R15	NR
2R6	213	5R9	NR	6R7	252	10R32	279	516R16	306
2R7	214	5R10	NR	6R8	253	10R34	NR	516R18	NR
2R8	215	5R11	NR	6R9	NR	10R36	280	516R20	307
2R9	NR	5R12	NR	6R10	234	10R38	NR	516R22	NR
2R10	216	5R13	NR	6R11	NR	10R40	281	516R24	308
2R11	NR	5R14	NR	6R12	235	10R42	NR	516R26	NR
2R12	217	5R15	NR	6R13	NR	10R44	282	516R28	309
3R3	NR	5R16	NR	6R14	236	10R46	NR	516R30	NR
3R4	NR	5R18	NR	6R15	NR	10R48	283	516R32	310
3R5	NR	5R20	NR	6R16	237	416R5	284	516R34	NR
3R6	NR	5R22	NR	6R18	NR	416R6	285	516R36	311
3R7	NR	5R24	NR	6R20	238	416R7	286	516R38	NR
3R8	NR	6R3	233	6R22	NR	416R8	287	516R40	312
3R9	NR	6R4	234	6R24	239	416R9	NR	516R42	NR
3R10	NR	6R5	235	6R26	NR	416R10	288	516R44	313
3R11	NR	6R6	236	6R28	260	416R11	NR	516R46	NR
3R12	NR	6R7	237	6R30	NR	416R12	289	516R48	NR
3R13	NR	6R8	238	6R32	261	416R13	NR	616R8	315
3R14	NR	6R9	NR	6R34	NR	416R14	290	616R9	NR
3R15	NR	6R10	239	6R36	262	416R15	NR	616R10	316
3R16	NR	6R11	NR	6R38	NR	416R16	291	616R11	NR
4R3	220	6R12	240	6R40	263	416R18	NR	616R12	317
4R4	221	6R13	NR	6R42	NR	416R20	292	616R13	NR
4R5	222	6R14	241	6R44	264	416R22	NR	616R14	318
4R6	223	6R15	NR	6R46	NR	416R24	293	616R15	NR
4R7	224	6R16	242	6R48	265	416R26	NR	616R16	319
4R8	225	6R18	NR	10R5	266	416R28	294	616R18	NR
4R9	NR	6R20	243	10R6	269	416R30	NR	616R20	320
4R10	226	6R22	NR	10R7	270	416R32	295	616R22	NR
4R11	NR	6R24	244	10R8	271	416R34	NR	616R24	321
4R12	227	6R26	NR	10R9	NR	416R36	296	616R26	NR
4R13	NR	6R28	245	10R10	272	416R38	NR	616R28	322
4R14	228	6R30	NR	10R11	NR	416R40	297	616R30	NR
4R15	NR	6R32	246	10R12	273	416R42	NR	616R32	323
4R16	229	6R34	NR	10R13	NR	416R44	298	616R34	NR
4R18	NR	6R36	NR	10R14	274	416R46	NR	616R36	324
4R20	230	6R18	NR	10R15	NR	416R48	299	616R38	NR
4R22	NR	6R40	NR	10R16	275	516R8	302	616R40	325
4R24	231	6R42	NR	10R18	NR	516R9	NR	616R42	NR
5R3	NR	6R44	NR	10R20	276	516R10	303	616R44	326
5R4	NR	6R46	NR	10R22	NR	516R11	NR	616R46	NR
5R5	NR	6R48	NR	10R24	277	516R12	304	616R48	327

NR - No replacement

P.A. 6C Other Code AS 02	TITLE SCREW, MACHINE - B2° FLAT COUNTERSUNK HEAD, CROSS-RECESSED, CARBON STEEL, CADMIUM PLATED, UNC-2A	MILITARY STANDARD MS35190
PROCUREMENT SPECIFICATION PI-S-92	SUPERSEDES MS35188, MS35192, MS35194 and in part MS24583(USA), MS35237, MS35239, MS35241, MS35243, MS35158 & ANSOS B MS352363	SHEET 2 OF 4

DD FORM 672-1

(Continued)

FORMS 672-1 AND 672-2 ARE OBSOLETE

APPROVED 25 JUN 1953 REVISED 5 APR 1962 16 JUN 1962 24 FEB 1965 22 OCT 1970 FOR CHANGE SEE SHEET 2

 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 replacement use shall be made from this document, when available.

 REVISIONS
 1. SER AL 03, MIL-P-18240, 1964
 2. SER AL 03, MIL-P-18240, 1964
 3. SER AL 03, MIL-P-18240, 1964

FED SUP CLASS
5305

TABLE III - INTERCHANGEABILITY

The screws covered by the following cancelled part numbers are cancelled after 3 April 1962. The cancelled screws cannot always replace the new screws and should be used until existing stocks are depleted. Use only the new screws for design and replacement. Replacement shall be in accordance with this table.

PART NUMBERS									
NEW	CANCELLED	NEW	CANCELLED	NEW	CANCELLED	NEW	CANCELLED	NEW	CANCELLED
MS35190	MS24503 MS35188, MS35190, MS35192, MS35194	MS35190	MS35188, MS35190, MS35192, MS35194	MS35190	MS35237, MS35239, MS35241, MS35243	MS35190	MS35237, MS35239, MS35241, MS35243	MS35190	MS35237, MS35239, MS35241, MS35243
209	1	267	1	201	1	251	50	301	100
210	2	268	2	202	2	252	51	302	101
211	3	269	3	203	3	253	52	303	102
212	4	270	4	204	4	254	53	304	103
213	5	271	5	205	5	255	54	305	104
214	6	272	6	206	6	256	55	306	105
215	7	273	7	207	7	257	56	307	106
216	8	274	8	208	8	258	57	308	107
217	9	275	9	209	9	259	58	309	108
218	10	276	10	210	10	260	59	310	109
220	11	277	11	212	11	261	60	311	110
221	12	278	12	213	12	262	61	312	111
222	13	279	13	214	13	263	62	313	112
223	14	280	14	215	14	264	63	314	113
224	15	281	15	216	15	265	64	315	114
225	16	284	16	217	16	266	65	316	115
226	17	285	17	218	17	267	66	317	116
227	18	286	18	219	18	268	67	318	117
228	19	287	19	220	19	269	68	319	118
229	20	288	20	221	20	270	69	320	119
232	21	289	21	222	21	271	70	321	120
233	22	290	22	223	22	272	71	322	121
234	23	291	23	224	23	273	72	323	122
235	24	292	24	225	24	274	73	324	123
236	25	293	25	226	25	275	74	325	124
237	26	294	26	227	26	276	75	326	125
238	27	295	27	228	27	277	76	327	126
239	28	296	28	229	28	278	77	328	127
240	29	297	29	230	29	279	78	329	128
241	30	300	30	231	30	280	79	330	129
242	31	301	31	232	31	281	80	331	130
243	32	302	32	233	32	282	81	332	131
244	33	303	33	234	33	283	82	333	132
245	34	304	34	235	34	284	83	334	133
246	35	305	35	236	35	285	84	335	134
247	36	306	36	237	36	286	85	336	135
248	37	307	37	238	37	287	86	337	136
249	38	308	38	239	38	288	87	338	137
250	39	309	39	240	39	289	88	339	138
251	40	310	40	241	40	290	89	340	139
252	41	311	41	242	41	291	90	341	140
253	42	312	42	243	42	292	91	342	141
254	43	315	43	244	43	293	92	343	142
255	44	316	44	245	44	294	93	344	143
256	45	317	45	246	45	295	94	345	144
257	46	318	46	247	46	296	95	346	145
258	47	319	47	248	47	297	96	347	146
259	48	320	48	249	48	298	97	348	147
260	49	321	49	250	49	299	98	349	148
261	50	322	50			300	99	350	149
		323							
		324							
		325							
		326							
		327							

* Dash numbers 150 thru 176 are cancelled with no replacements

This 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, unless otherwise specified.

F.A. 60 Spec AS 12	TITLE SCREW, MACHINE - 82° FLAT COUNTERSUNK HEAD, GROSS-RECESSED, CARBON STEEL, CADMIUM PLATED, UNC-2A	MILITARY STANDARD
		MS 35190
PROCUREMENT SPECIFICATION FP-5-92	SUPERSEDED BY MS35190, MS35192, MS35194 AND 11 LFR MS24503 (LAF, MS35237, MS35239, MS35241, MS35243, MS35245, MS35247, MS35249, MS35251, MS35253, MS35255, MS35257, MS35259, MS35261, MS35263, MS35265, MS35267, MS35269, MS35271, MS35273, MS35275, MS35277, MS35279, MS35281, MS35283, MS35285, MS35287, MS35289, MS35291, MS35293, MS35295, MS35297, MS35299, MS35301, MS35303, MS35305, MS35307, MS35309, MS35311, MS35313, MS35315, MS35317, MS35319, MS35321, MS35323, MS35325, MS35327, MS35329, MS35331, MS35333, MS35335, MS35337, MS35339, MS35341, MS35343, MS35345, MS35347, MS35349, MS35351, MS35353, MS35355, MS35357, MS35359, MS35361, MS35363, MS35365, MS35367, MS35369, MS35371, MS35373, MS35375, MS35377, MS35379, MS35381, MS35383, MS35385, MS35387, MS35389, MS35391, MS35393, MS35395, MS35397, MS35399, MS35401, MS35403, MS35405, MS35407, MS35409, MS35411, MS35413, MS35415, MS35417, MS35419, MS35421, MS35423, MS35425, MS35427, MS35429, MS35431, MS35433, MS35435, 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