

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DOD AS SPECIFIED IN THE SOLICITATION NONE

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE

Form Approved
OMB No. 0704-0188

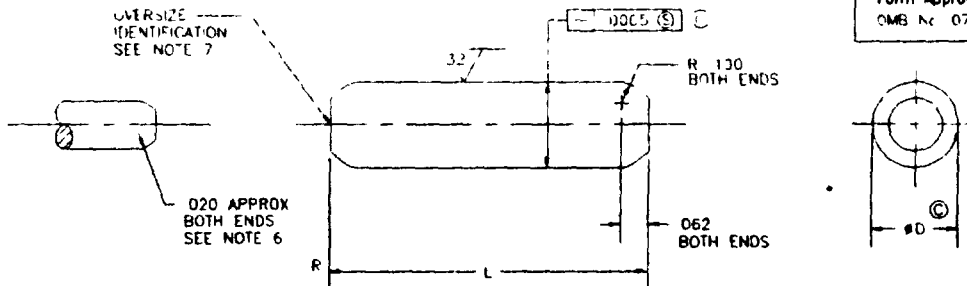


TABLE 1 DASH NUMBERS & DIMENSIONS.

STANDARD SIZE	APPROX WEIGHT LB/100	OVERSIZE IDENTIFICATION			
		002 OVERSIZE (2)	005 OVERSIZE (5)	010 OVERSIZE (10)	015 OVERSIZE (15)
Ⓢ # D	06250 ± 00025	06450 ± 00025	06750 ± 00025	07250 ± 00025	07750 ± 00025
LENGTH L	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
250	MS9390-010	MS9390-011	MS9390-012	MS9390-013	MS9390-014
375					
500					
625					
750					
875					
1 000					
Ⓢ # D	09375 ± 00025	09575 ± 00025	09875 ± 00025	10375 ± 00025	10875 ± 00025
LENGTH L	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
250	MS9390-080	MS9390-081	MS9390-082	MS9390-083	MS9390-084
375					
500	MS9390-090	MS9390-091	MS9390-092	MS9390-093	MS9390-094
625					
750					
875					
1 000					
Ⓢ # D	12500 ± 00025	12700 ± 00025	13000 ± 00025	13500 ± 00025	14000 ± 00025
LENGTH L	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
250	MS9390-160	MS9390-161	MS9390-162	MS9390-163	MS9390-164
375	MS9390-170	MS9390-171	MS9390-172	MS9390-173	MS9390-174
500	MS9390-180	MS9390-181	MS9390-182	MS9390-183	MS9390-184
625	MS9390-190	MS9390-191	MS9390-192	MS9390-193	MS9390-194
750	MS9390-200	MS9390-201	MS9390-202	MS9390-203	MS9390-204
875	MS9390-210	MS9390-211	MS9390-212	MS9390-213	MS9390-214
1 000	MS9390-220	MS9390-221	MS9390-222	MS9390-223	MS9390-224
Ⓢ # D	18750 ± 00025	18950 ± 00025	19250 ± 00025	19750 ± 00025	20250 ± 00025
LENGTH L	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
250	MS9390-280	MS9390-281	MS9390-282	MS9390-283	MS9390-284
375	MS9390-290	MS9390-291	MS9390-292	MS9390-293	MS9390-294
500	MS9390-300	MS9390-301	MS9390-302	MS9390-303	MS9390-304
625	MS9390-310	MS9390-311	MS9390-312	MS9390-313	MS9390-314
750	MS9390-320	MS9390-321	MS9390-322	MS9390-323	MS9390-324
875	MS9390-330	MS9390-331	MS9390-332	MS9390-333	MS9390-334
1 000	MS9390-340	MS9390-341	MS9390-342	MS9390-343	MS9390-344

Ⓢ DENOTES CHANGE(S)

INCH-POUND

PREPARING ACTIVITY DLA-IS
CUSTODIANS ARMY- AV NAVY- AS
AIR FORCE- 11
REVIEW MI 82 R5
USER
PROJECT NUMBER 5315-0500

MILITARY SPECIFICATION SHEET
TITLE
PIN, STRAIGHT, HEADLESS-CRES, AMS 5735, DOWEL
STANDARD AND OVERSIZE

SPECIFICATION SHEET NUMBER
MS9390 26 OCT 94
REV C
SUPERSEDING MS9390 B 1 MAY 69
AMSC- N/A FSC 5315

DISTRIBUTION STATEMENT A. Approved for public release distribution is unlimited

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© TABLE 1 DASH NUMBERS & DIMENSIONS (CONT)

C # D	STANDARD SIZE	APPROX WEIGHT LB/100	OVERSIZE IDENTIFICATION			
			002 OVERSIZE ②	005 OVERSIZE ⑤	010 OVERSIZE ⑩	015 OVERSIZE ⑮
25000 ± 00025			25200 ± 00025	25500 ± 00025	26000 ± 00025	26500 ± 00025*
LENGTH L	PART NUMBER		PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
250	MS9390-400	351	MS9390-401	MS9390-402	MS9390-403	MS9390-404
375	MS9390-410	526	MS9390-411	MS9390-412	MS9390-413	MS9390-414
500	MS9390-420	702	MS9390-421	MS9390-422	MS9390-423	MS9390-424
625	MS9390-430	877	MS9390-431	MS9390-432	MS9390-433	MS9390-434
750	MS9390-440	1 053	MS9390-441	MS9390-442	MS9390-443	MS9390-444
875	MS9390-450	1 228	MS9390-451	MS9390-452	MS9390-453	MS9390-454
1 000	MS9390-460	1 404	MS9390-461	MS9390-462	MS9390-463	MS9390-464
31250 ± 00025			31450 ± 00025	31750 ± 00025	32250 ± 00025	32750 ± 00025
LENGTH L	PART NUMBER		PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
375	MS9390-530	825	MS9390-531	MS9390-532	MS9390-533	MS9390-534
500	MS9390-540	1 100	MS9390-541	MS9390-542	MS9390-543	MS9390-544
625	MS9390-550	1 376	MS9390-551	MS9390-552	MS9390-553	MS9390-554
750	MS9390-560	1 651	MS9390-561	MS9390-562	MS9390-563	MS9390-564
875	MS9390-570	1 926	MS9390-571	MS9390-572	MS9390-573	MS9390-574
1 000	MS9390-580	2 201	MS9390-581	MS9390-582	MS9390-583	MS9390-584
1 125	MS9390-590	2 476	MS9390-591	MS9390-592	MS9390-593	MS9390-594
1 250	MS9390-600	2 751	MS9390-601	MS9390-602	MS9390-603	MS9390-604
37500 ± 00025			37700 ± 00025	38000 ± 00025	38500 ± 00025	39000 ± 00025
LENGTH L	PART NUMBER		PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
375	MS9390-650	1 185	MS9390-651	MS9390-652	MS9390-653	MS9390-654
500	MS9390-660	1 579	MS9390-661	MS9390-662	MS9390-663	MS9390-664
625	MS9390-670	1 974	MS9390-671	MS9390-672	MS9390-673	MS9390-674
750	MS9390-680	2 369	MS9390-681	MS9390-682	MS9390-683	MS9390-684
875	MS9390-690	2 764	MS9390-691	MS9390-692	MS9390-693	MS9390-694
1 000	MS9390-700	3 159	MS9390-701	MS9390-702	MS9390-703	MS9390-704
1 125	MS9390-710	3 554	MS9390-711	MS9390-712	MS9390-713	MS9390-714
1 250	MS9390-720	3 948	MS9390-721	MS9390-722	MS9390-723	MS9390-724
1 500	MS9390-730	4 738	MS9390-731	MS9390-732	MS9390-733	MS9390-734
43750 ± 00025			43950 ± 00025	44250 ± 00025	44750 ± 00025	45250 ± 00025
LENGTH L	PART NUMBER		PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
500	MS9390-780	2 155	MS9390-781	MS9390-782	MS9390-783	MS9390-784
625	MS9390-790	2 693	MS9390-791	MS9390-792	MS9390-793	MS9390-794
750	MS9390-800	3 232	MS9390-801	MS9390-802	MS9390-803	MS9390-804
875	MS9390-810	3 771	MS9390-811	MS9390-812	MS9390-813	MS9390-814
1 000	MS9390-820	4 309	MS9390-821	MS9390-822	MS9390-823	MS9390-824
1 125	MS9390-830	4 848	MS9390-831	MS9390-832	MS9390-833	MS9390-834
1 250	MS9390-840	5 387	MS9390-841	MS9390-842	MS9390-843	MS9390-844
1 500	MS9390-850	6 484	MS9390-851	MS9390-852	MS9390-853	MS9390-854
1 750	MS9390-860	7 541	MS9390-861	MS9390-862	MS9390-863	MS9390-864

© DENOTES CHANGE(S)

INCH-POUND

PREPARING ACTIVITY, DLA-IS CUSTODIANS ARMY- AV NAVY- AS AIR FORCE- 11	MILITARY SPECIFICATION SHEET TITLE PIN, STRAIGHT, HEADLESS-CRES, AMS 5735, DOWEL STANDARD AND OVERSIZE	SPECIFICATION SHEET NUMBER MS9390 28 OCT 94 REV C
REVIEW MI 82 BS USER		SUPERSEDING MS9390 B 1 MAY 89
PROJECT NUMBER 5315-0500		AMSC- N/A FSC 5315
DISTRIBUTION STATEMENT A Approved for public release distribution is unlimited		Page 2 of 4

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DOCS SPECIFIED IN THE SOLICITATION NONE

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE

TABLE I DASH NUMBERS & DIMENSIONS (CONT)

STANDARD SIZE	APPROX WEIGHT LB/100	OVERSIZE IDENTIFICATION				
		002 OVERSIZE (2)	005 OVERSIZE (5)	010 OVERSIZE (10)	015 OVERSIZE (15)	
① # D	50000 ± 00025		50200 ± 00025	50500 ± 00025	51000 ± 00025	51500 ± 00025
LENGTH L	PART NUMBER		PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
500	MS9390-900	2 808	MS9390-901	MS9390-902	MS9390-903	MS9390-904
625	MS9390-910	3 510	MS9390-911	MS9390-912	MS9390-913	MS9390-914
750	MS9390-920	4 212	MS9390-921	MS9390-922	MS9390-923	MS9390-924
875	MS9390-930	4 914	MS9390-931	MS9390-932	MS9390-933	MS9390-934
1 000	MS9390-940	5 616	MS9390-941	MS9390-942	MS9390-943	MS9390-944
1 125	MS9390-950	6 318	MS9390-951	MS9390-952	MS9390-953	MS9390-954
1 250	MS9390-960	7 020	MS9390-961	MS9390-962	MS9390-963	MS9390-964
1 500	MS9390-970	8 423	MS9390-971	MS9390-972	MS9390-973	MS9390-974
1 750	MS9390-980	9 827	MS9390-981	MS9390-982	MS9390-983	MS9390-984
2 000	MS9390-990	11 231	MS9390-991	MS9390-992	MS9390-993	MS9390-994
① # D	62500 ± 00025		62700 ± 00025	63000 ± 00025	63500 ± 00025	64000 ± 00025
LENGTH L	PART NUMBER		PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
625	MS9390-915	5 494	MS9390-916	MS9390-917	MS9390-918	MS9390-919
750	MS9390-925	6 581	MS9390-926	MS9390-927	MS9390-928	MS9390-929
875	MS9390-935	7 678	MS9390-936	MS9390-937	MS9390-938	MS9390-939
1 000	MS9390-945	8 774	MS9390-946	MS9390-947	MS9390-948	MS9390-949
1 125	MS9390-955	9 861	MS9390-956	MS9390-957	MS9390-958	MS9390-959
1 250	MS9390-965	10 968	MS9390-966	MS9390-967	MS9390-968	MS9390-969
1 500	MS9390-975	13 162	MS9390-976	MS9390-977	MS9390-978	MS9390-979
1 750	MS9390-985	15 355	MS9390-986	MS9390-987	MS9390-988	MS9390-989
2 000	MS9390-995	17 549	MS9390-996	MS9390-997	MS9390-998	MS9390-999

REQUIREMENTS

- MATERIAL. CORROSION AND HEAT RESISTANT STEEL AMS 5735
- SURFACE TEXTURE. SURFACE TEXTURE SHALL BE IN ACCORDANCE WITH ANSI/ASME B46.1 UNLESS OTHERWISE SPECIFIED SURFACES SHALL BE 125 MICRONS
- EDGES. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED
- TOLERANCES. UNLESS OTHERWISE SPECIFIED, LINEAR DIMENSIONS ± 0.10
- FOR .06250 AND .09375 DIAMETER STANDARD AND OVERSIZE PINS ONLY
- OVERSIZE IDENTIFICATION. FOR .06250 AND .09375 DIAMETER PINS MARK OVERSIZE IDENTIFICATION ON CONTAINER FOR 12500 DIAMETER PINS AND LARGER MARK OVERSIZE IDENTIFICATION ON END OF PIN PER AS 478 CLASS A.
- MARKING. MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION ON CONTAINER

NOTES

- ALL DIMENSIONS ARE IN INCHES
- DO NOT USE UNASSIGNED PART NUMBERS
- AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC PUBLICATIONS
- THIS DOCUMENT WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PARTS STANDARD DIVISION
- IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS DOCUMENT AND THE REFERENCES CITED HEREIN THE TEXT OF THIS DOCUMENT SHALL TAKE PRECEDENCE
- UNLESS OTHERWISE SPECIFIED ISSUES OF REFERENCED DOCUMENTS ARE THOSE IN EFFECT AT THE TIME OF SOLICITATION

① DENOTES CHANGE(S)

INCH-POUND

PREPARING ACTIVITY DLA-15
CUSTODIANS ARMY- AV NAVY- AS
AIR FORCE- 11
REVIEW M 82 85
USER
PROJECT NUMBER 5315-0500

MILITARY SPECIFICATION SHEET
TITLE
PIN, STRAIGHT, HEADLESS-CRES, AMS 5735, DOWEL
STANDARD AND OVERSIZE

SPECIFICATION SHEET NUMBER
MS9390 26 OCT 94
REV C
SUPERSEDING
MS9390 B 1 MAY 89
AMSC- N/A FSC 5315

DISTRIBUTION STATEMENT

A. Approved for public release, distribution is unlimited

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Form Approved
OMB No. 0704-0188

© TABLE II INTERCHANGEABILITY

THE FOLLOWING TABLE SHOWS THE INTERCHANGEABILITY RELATIONSHIP BETWEEN THE FORMER DASH NUMBERS OF STANDARD SIZE MS9390 PINS AND THE PRESENT DASH NUMBERS. EXISTING STOCK OF PINS SHOULD BE REIDENTIFIED WITH THE PRESENT (THREE DIGIT) DASH NUMBERS. USE ONLY PINS SHOWN AS PRESENT DASH NUMBERS IN NEW DESIGN.

DASH NUMBERS		DASH NUMBERS		DASH NUMBERS		DASH NUMBERS	
FORMER MS9390	PRESENT MS9390 REV C	FORMER MS9390	PRESENT MS9390 REV C	FORMER MS9390	PRESENT MS9390 REV C	FORMER MS9390	PRESENT MS9390 REV C
01	010	33	330	59	590	82	820
08	080	34	340	60	600	83	830
09	090	40	400	65	650	84	840
16	160	41	410	66	660	85	850
17	170	42	420	67	670	86	860
18	180	43	430	68	680	90	900
19	190	44	440	69	690	91	910
20	200	45	450	70	700	92	920
21	210	46	460	71	710	93	930
22	220	53	530	72	720	94	940
28	280	54	540	73	730	95	950
29	290	55	550	78	780	96	960
30	300	56	560	79	790	97	970
31	310	57	570	80	800	98	980
32	320	58	580	81	810	99	990

© DENOTES CHANGE(S)

INCH-POUND

PREPARING ACTIVITY DLA-IS CUSTODIANS ARMY- AV NAVY- AS AIR FORCE- 11 REVIEW MI 82 85 USER PROJECT NUMBER 5315-0500	MILITARY SPECIFICATION SHEET TITLE PIN, STRAIGHT, HEADLESS-CRES, AMS 5735, DOWEL STANDARD AND OVERSIZE	SPECIFICATION SHEET NUMBER MS9390 26 OCT 94 REV C
		SUPERSEDING MS9390 B 1 MAY 69
		AMSC- N/A FSC 5315
DISTRIBUTION STATEMENT A. Approved for public release distribution is unlimited		Page 4 of 4