



FIGURE 1 ANGLE BRACKET

**NOTES:**

1. MATERIAL: ALLOY STEEL PER AMS 5510 (UNS S32100)
2. GRAIN FLOW SHALL BE PARALLEL WITH ROLLING DIRECTION
3. REMOVE BURRS AND BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
4. DIMENSIONING AND TOLERANCES PER ANSI Y14.5M-1982 (ASME PUBLICATION)
5. DIMENSIONS ARE IN INCHES.
6. DO NOT USE UNASSIGNED PART NUMBERS

TABLE 1 – PART NUMBERS AND DIMENSIONS

B LENGTH	A - LENGTH				
	.490 - .510 PART NUMBER	.552 - .572 PART NUMBER	.615 - .635 PART NUMBER	.678 - .698 PART NUMBER	.740 - .760 PART NUMBER
0.428 - 0.448	MS9593-005	MS9593-035	MS9593-065	MS9593-095	MS9593-125
0.490 - 0.510	MS9593-006	MS9593-036	MS9593-066	MS9593-096	MS9593-126
0.552 - 0.572	MS9593-007	MS9593-037	MS9593-067	MS9593-097	MS9593-127
0.615 - 0.635	MS9593-008	MS9593-038	MS9593-068	MS9593-098	MS9593-128
0.678 - 0.698	MS9593-009	MS9593-039	MS9593-069	MS9593-099	MS9593-129
0.740 - 0.760	MS9593-010	MS9593-040	MS9593-070	MS9593-100	MS9593-130
0.802 - 0.822	MS9593-011	MS9593-041	MS9593-071	MS9593-101	MS9593-131
0.865 - 0.885	MS9593-012	MS9593-042	MS9593-072	MS9593-102	MS9593-132
0.928 - 0.948	MS9593-013	MS9593-043	MS9593-073	MS9593-103	MS9593-133
0.990 - 1.010	MS9593-014	MS9593-044	MS9593-074	MS9593-104	MS9593-134
1.052 - 1.072	MS9593-015	MS9593-045	MS9593-075	MS9593-105	MS9593-135
1.115 - 1.135	MS9593-016	MS9593-046	MS9593-076	MS9593-106	MS9593-136
1.178 - 1.198	MS9593-017	MS9593-047	MS9593-077	MS9593-107	MS9593-137
1.240 - 1.260	MS9593-018	MS9593-048	MS9593-078	MS9593-108	MS9593-138
1.302 - 1.322	MS9593-019	MS9593-049	MS9593-079	MS9593-109	MS9593-139
1.365 - 1.385	MS9593-020	MS9593-050	MS9593-080	MS9593-110	MS9593-140
1.428 - 1.448	MS9593-021	MS9593-051	MS9593-081	MS9593-111	MS9593-141
1.490 - 1.510	MS9593-022	MS9593-052	MS9593-082	MS9593-112	MS9593-142

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**UMPCO, INC**  
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**AS9593**

BRACKET, ANGLE, 90°, CRES UNS S32100, .190 X .250 BOLT

PART NUMBER

TABLE 1 – PART NUMBERS AND DIMENSIONS (CONTINUED)

B LENGTH	A - LENGTH				
	.802 - .822 PART NUMBER	.865 - .885 PART NUMBER	.928 - .948 PART NUMBER	.990 - 1.010 PART NUMBER	1.115 - 1.135 PART NUMBER
0.428 - 0.448	MS9593-155	MS9593-185	MS9593-215	MS9593-245	MS9593-305
0.490 - 0.510	MS9593-156	MS9593-186	MS9593-216	MS9593-246	MS9593-306
0.552 - 0.572	MS9593-157	MS9593-187	MS9593-217	MS9593-247	MS9593-307
0.615 - 0.635	MS9593-158	MS9593-188	MS9593-218	MS9593-248	MS9593-308
0.678 - 0.698	MS9593-159	MS9593-189	MS9593-219	MS9593-249	MS9593-309
0.740 - 0.760	MS9593-160	MS9593-190	MS9593-220	MS9593-250	MS9593-310
0.802 - 0.822	MS9593-161	MS9593-191	MS9593-221	MS9593-251	MS9593-311
0.865 - 0.885	MS9593-162	MS9593-192	MS9593-222	MS9593-252	MS9593-312
0.928 - 0.948	MS9593-163	MS9593-193	MS9593-223	MS9593-253	MS9593-313
0.990 - 1.010	MS9593-164	MS9593-194	MS9593-224	MS9593-254	MS9593-314
1.052 - 1.072	MS9593-165	MS9593-195	MS9593-225	MS9593-255	MS9593-315
1.115 - 1.135	MS9593-166	MS9593-196	MS9593-226	MS9593-256	MS9593-316
1.178 - 1.198	MS9593-167	MS9593-197	MS9593-227	MS9593-257	MS9593-317
1.240 - 1.260	MS9593-168	MS9593-198	MS9593-228	MS9593-258	MS9593-318
1.302 - 1.322	MS9593-169	MS9593-199	MS9593-229	MS9593-259	MS9593-319
1.365 - 1.385	MS9593-170	MS9593-200	MS9593-230	MS9593-260	MS9593-320
1.428 - 1.448	MS9593-171	MS9593-201	MS9593-231	MS9593-261	MS9593-321
1.490 - 1.510	MS9593-172	MS9593-202	MS9593-232	MS9593-262	MS9593-322

B LENGTH	A - LENGTH		
	1.240 - 1.260 PART NUMBER	1.365 - 1.385 PART NUMBER	1.490 - 1.510 PART NUMBER
0.428 - 0.448	MS9593-365	MS9593-425	MS9593-485
0.490 - 0.510	MS9593-366	MS9593-426	MS9593-486
0.552 - 0.572	MS9593-367	MS9593-427	MS9593-487
0.615 - 0.635	MS9593-368	MS9593-428	MS9593-488
0.678 - 0.698	MS9593-369	MS9593-429	MS9593-489
0.740 - 0.760	MS9593-370	MS9593-430	MS9593-490
0.802 - 0.822	MS9593-371	MS9593-431	MS9593-491
0.865 - 0.885	MS9593-372	MS9593-432	MS9593-492
0.928 - 0.948	MS9593-373	MS9593-433	MS9593-493
0.990 - 1.010	MS9593-374	MS9593-434	MS9593-494
1.052 - 1.072	MS9593-375	MS9593-435	MS9593-495
1.115 - 1.135	MS9593-376	MS9593-436	MS9593-496
1.178 - 1.198	MS9593-377	MS9593-437	MS9593-497
1.240 - 1.260	MS9593-378	MS9593-438	MS9593-498
1.302 - 1.322	MS9593-379	MS9593-439	MS9593-499
1.365 - 1.385	MS9593-380	MS9593-440	MS9593-500
1.428 - 1.448	MS9593-381	MS9593-441	MS9593-501
1.490 - 1.510	MS9593-382	MS9593-442	MS9593-502

B LENGTH	A - LENGTH		
	1.615 - 1.635 PART NUMBER	1.740 - 1.760 PART NUMBER	1.865 - 1.885 PART NUMBER
0.428 - 0.448	MS9593-545	MS9593-605	MS9593-665
0.490 - 0.510	MS9593-546	MS9593-606	MS9593-666
0.552 - 0.572	MS9593-547	MS9593-607	MS9593-667
0.615 - 0.635	MS9593-548	MS9593-608	MS9593-668
0.678 - 0.698	MS9593-549	MS9593-609	MS9593-669
0.740 - 0.760	MS9593-550	MS9593-610	MS9593-670
0.802 - 0.822	MS9593-551	MS9593-611	MS9593-671
0.865 - 0.885	MS9593-552	MS9593-612	MS9593-672
0.928 - 0.948	MS9593-553	MS9593-613	MS9593-673
0.990 - 1.010	MS9593-554	MS9593-614	MS9593-674
1.052 - 1.072	MS9593-555	MS9593-615	MS9593-675
1.115 - 1.135	MS9593-556	MS9593-616	MS9593-676
1.178 - 1.198	MS9593-557	MS9593-617	MS9593-677
1.240 - 1.260	MS9593-558	MS9593-618	MS9593-678
1.302 - 1.322	MS9593-559	MS9593-619	MS9593-679
1.365 - 1.385	MS9593-560	MS9593-620	MS9593-680
1.428 - 1.448	MS9593-561	MS9593-621	MS9593-681
1.490 - 1.510	MS9593-562	MS9593-622	MS9593-682

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