



NOTES:

1. MATERIAL: CORROSION RESISTANT STEEL PER AMS 5504 (UNS S41000).
2. HARDNESS: 30-38 HRC.
3. FINISH: HEAT TREATMENT AND CLEANING IN ACCORDANCE WITH AMS 2550.
4. GRAIN FLOW SHALL BE PARALLEL WITH ROLLING DIRECTION.
5. REMOVE BURRS AND BREAK SHARP EDGES .003 -.015, UNLESS OTHERWISE SPECIFIED.
6. DIMENSIONING AND TOLERANCES PER ANSI Y14.5M-1982 (ASME PUBLICATION)
7. DIMENSIONS ARE IN INCHES
8. DO NOT USE UNASSIGNED PART NUMBERS.
9. APPROXIMATE MASS LB/100 = 1.316 (A+B) + .221

TABLE 1 -PART NUMBERS AND DIMENSIONS

B LENGTH	A - LENGTH				
	.552 - .572	.615 - .635	.678 - .698	.740 - .760	.802 - .822
	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
0.428 - 0.448	MS9603-005	MS9603-035	MS9603-065	MS9603-095	MS9603-125
0.490 - 0.510	MS9603-006	MS9603-036	MS9603-066	MS9603-096	MS9603-126
0.552 - 0.572	MS9603-007	MS9603-037	MS9603-067	MS9603-097	MS9603-127
0.615 - 0.635	MS9603-008	MS9603-038	MS9603-068	MS9603-098	MS9603-128
0.678 - 0.698	MS9603-009	MS9603-039	MS9603-069	MS9603-099	MS9603-129
0.740 - 0.760	MS9603-010	MS9603-040	MS9603-070	MS9603-100	MS9603-130
0.802 - 0.822	MS9603-011	MS9603-041	MS9603-071	MS9603-101	MS9603-131
0.865 - 0.885	MS9603-012	MS9603-042	MS9603-072	MS9603-102	MS9603-132
0.928 - 0.948	MS9603-013	MS9603-043	MS9603-073	MS9603-103	MS9603-133
0.990 - 1.010	MS9603-014	MS9603-044	MS9603-074	MS9603-104	MS9603-134
1.052 - 1.072	MS9603-015	MS9603-045	MS9603-075	MS9603-105	MS9603-135
1.115 - 1.135	MS9603-016	MS9603-046	MS9603-076	MS9603-106	MS9603-136
1.178 - 1.198	MS9603-017	MS9603-047	MS9603-077	MS9603-107	MS9603-137
1.240 - 1.260	MS9603-018	MS9603-048	MS9603-078	MS9603-108	MS9603-138
1.302 - 1.322	MS9603-019	MS9603-049	MS9603-079	MS9603-109	MS9603-139
1.365 - 1.385	MS9603-020	MS9603-050	MS9603-080	MS9603-110	MS9603-140
1.428 - 1.448	MS9603-021	MS9603-051	MS9603-081	MS9603-111	MS9603-141
1.490 - 1.510	MS9603-022	MS9603-052	MS9603-082	MS9603-112	MS9603-142

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UMPCO, INC
CAGE CODE No. 18076

REV N/C
02/05/09

AS9603

BRACKET, ANGLE 90°, CRES
UNS S41000, .190 X .375 BOLT

PART NUMBER

TABLE 1 -PART NUMBERS AND DIMENSIONS CONTINUED

B LENGTH	A - LENGTH				
	.865 - .885 PART NUMBER	.928 - .948 PART NUMBER	.990 - 1.010 PART NUMBER	1.052 - 1.072 PART NUMBER	1.115 - 1.135 PART NUMBER
0.428 - 0.448	MS9603-155	MS9603-185	MS9603-215	MS9603-245	MS9603-275
0.490 - 0.510	MS9603-156	MS9603-186	MS9603-216	MS9603-246	MS9603-276
0.552 - 0.572	MS9603-157	MS9603-187	MS9603-217	MS9603-247	MS9603-277
0.615 - 0.635	MS9603-158	MS9603-188	MS9603-218	MS9603-248	MS9603-278
0.678 - 0.698	MS9603-159	MS9603-189	MS9603-219	MS9603-249	MS9603-279
0.740 - 0.760	MS9603-160	MS9603-190	MS9603-220	MS9603-250	MS9603-280
0.802 - 0.822	MS9603-161	MS9603-191	MS9603-221	MS9603-251	MS9603-281
0.865 - 0.885	MS9603-162	MS9603-192	MS9603-222	MS9603-252	MS9603-282
0.928 - 0.948	MS9603-163	MS9603-193	MS9603-223	MS9603-253	MS9603-283
0.990 - 1.010	MS9603-164	MS9603-194	MS9603-224	MS9603-254	MS9603-284
1.052 - 1.072	MS9603-165	MS9603-195	MS9603-225	MS9603-255	MS9603-285
1.115 - 1.135	MS9603-166	MS9603-196	MS9603-226	MS9603-256	MS9603-286
1.178 - 1.198	MS9603-167	MS9603-197	MS9603-227	MS9603-257	MS9603-287
1.240 - 1.260	MS9603-168	MS9603-198	MS9603-228	MS9603-258	MS9603-288
1.302 - 1.322	MS9603-169	MS9603-199	MS9603-229	MS9603-259	MS9603-289
1.365 - 1.385	MS9603-170	MS9603-200	MS9603-230	MS9603-260	MS9603-290
1.428 - 1.448	MS9603-171	MS9603-201	MS9603-231	MS9603-261	MS9603-291
1.490 - 1.510	MS9603-172	MS9603-202	MS9603-232	MS9603-262	MS9603-292

B LENGTH	A - LENGTH				
	1.178 - 1.198 PART NUMBER	1.240 - 1.260 PART NUMBER	1.302 - 1.322 PART NUMBER	1.365 - 1.385 PART NUMBER	1.428 - 1.448 PART NUMBER
0.428 - 0.448	MS9603-305	MS9603-335	MS9603-365	MS9603-395	MS9603-425
0.490 - 0.510	MS9603-306	MS9603-336	MS9603-366	MS9603-396	MS9603-426
0.552 - 0.572	MS9603-307	MS9603-337	MS9603-367	MS9603-397	MS9603-427
0.615 - 0.635	MS9603-308	MS9603-338	MS9603-368	MS9603-398	MS9603-428
0.678 - 0.698	MS9603-309	MS9603-339	MS9603-369	MS9603-399	MS9603-429
0.740 - 0.760	MS9603-310	MS9603-340	MS9603-370	MS9603-400	MS9603-430
0.802 - 0.822	MS9603-311	MS9603-341	MS9603-371	MS9603-401	MS9603-431
0.865 - 0.885	MS9603-312	MS9603-342	MS9603-372	MS9603-402	MS9603-432
0.928 - 0.948	MS9603-313	MS9603-343	MS9603-373	MS9603-403	MS9603-433
0.990 - 1.010	MS9603-314	MS9603-344	MS9603-374	MS9603-404	MS9603-434
1.052 - 1.072	MS9603-315	MS9603-345	MS9603-375	MS9603-405	MS9603-435
1.115 - 1.135	MS9603-316	MS9603-346	MS9603-376	MS9603-406	MS9603-436
1.178 - 1.198	MS9603-317	MS9603-347	MS9603-377	MS9603-407	MS9603-437
1.240 - 1.260	MS9603-318	MS9603-348	MS9603-378	MS9603-408	MS9603-438
1.302 - 1.322	MS9603-319	MS9603-349	MS9603-379	MS9603-409	MS9603-439
1.365 - 1.385	MS9603-320	MS9603-350	MS9603-380	MS9603-410	MS9603-440
1.428 - 1.448	MS9603-321	MS9603-351	MS9603-381	MS9603-411	MS9603-441
1.490 - 1.510	MS9603-322	MS9603-352	MS9603-382	MS9603-412	MS9603-442

B LENGTH	A - LENGTH				
	1.490 - 1.510 PART NUMBER	1.615 - 1.635 PART NUMBER	1.740 - 1.760 PART NUMBER	1.865 - 1.885 PART NUMBER	1.990 - 2.010 PART NUMBER
0.428 - 0.448	MS9603-455	MS9603-515	MS9603-575	MS9603-635	MS9603-695
0.490 - 0.510	MS9603-456	MS9603-516	MS9603-576	MS9603-636	MS9603-696
0.552 - 0.572	MS9603-457	MS9603-517	MS9603-577	MS9603-637	MS9603-697
0.615 - 0.635	MS9603-458	MS9603-518	MS9603-578	MS9603-638	MS9603-698
0.678 - 0.698	MS9603-459	MS9603-519	MS9603-579	MS9603-639	MS9603-699
0.740 - 0.760	MS9603-460	MS9603-520	MS9603-580	MS9603-640	MS9603-700
0.802 - 0.822	MS9603-461	MS9603-521	MS9603-581	MS9603-641	MS9603-701
0.865 - 0.885	MS9603-462	MS9603-522	MS9603-582	MS9603-642	MS9603-702
0.928 - 0.948	MS9603-463	MS9603-523	MS9603-583	MS9603-643	MS9603-703
0.990 - 1.010	MS9603-464	MS9603-524	MS9603-584	MS9603-644	MS9603-704
1.052 - 1.072	MS9603-465	MS9603-525	MS9603-585	MS9603-645	MS9603-705
1.115 - 1.135	MS9603-466	MS9603-526	MS9603-586	MS9603-646	MS9603-706
1.178 - 1.198	MS9603-467	MS9603-527	MS9603-587	MS9603-647	MS9603-707
1.240 - 1.260	MS9603-468	MS9603-528	MS9603-588	MS9603-648	MS9603-708
1.302 - 1.322	MS9603-469	MS9603-529	MS9603-589	MS9603-649	MS9603-709
1.365 - 1.385	MS9603-470	MS9603-530	MS9603-590	MS9603-650	MS9603-710
1.428 - 1.448	MS9603-471	MS9603-531	MS9603-591	MS9603-651	MS9603-711
1.490 - 1.510	MS9603-472	MS9603-532	MS9603-592	MS9603-652	MS9603-712

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