

SECTION X-X
OPTIONAL CUSHION DESIGN

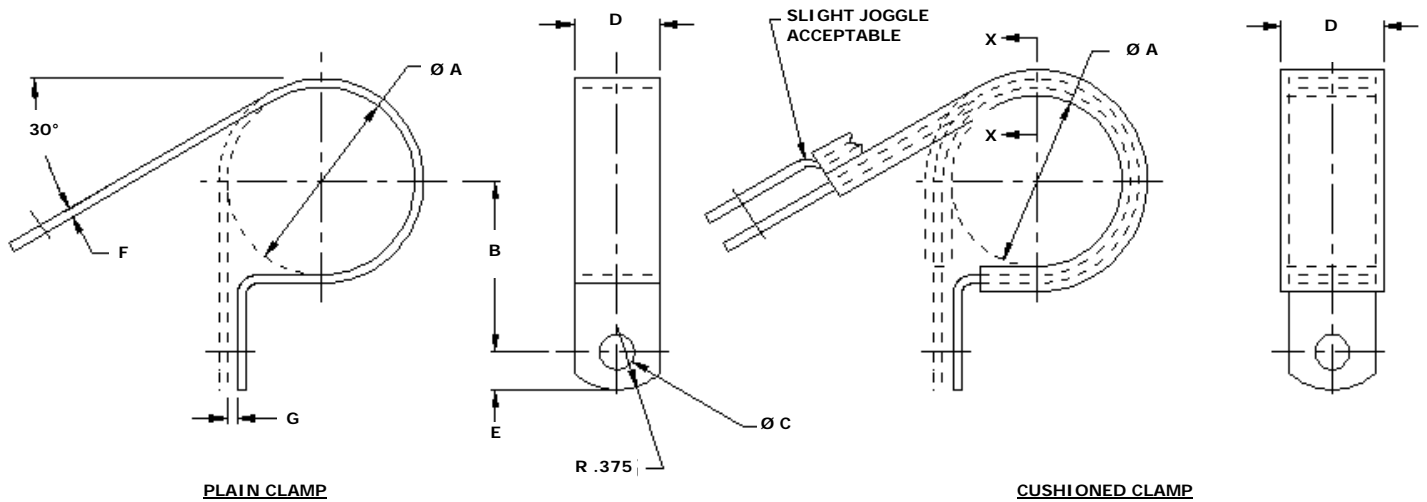


TABLE 1. DASH NUMBER AND DIMENSIONS

DASH NUMBER		DIA A NOM	B		C DIA	D		E	F	G	REC. FASTENER SIZE
PLAIN	CUSHIONED		PLAIN	CUSHIONED		PLAIN	CUSHIONED				
-1	-65	0.125	0.344	0.406	0.203	0.500	0.625	0.219	0.032	0.062	0.190
-2	-66	0.188	0.375	0.438							
-3	-67	0.250	0.406	0.469							
-4	-68	0.312	0.438	0.500							
-5	-69	0.375	0.469	0.531							
-6	-70	0.438	0.500	0.562							
-7	-71	0.500	0.531	0.594							
-8	-72	0.562	0.562	0.625							
-9	-73	0.625	0.594	0.656							
-10	-74	0.688	0.625	0.688							
-11	-75	0.750	0.656	0.719							
-12	-76	0.875	0.719	0.781							
-13	-77	1.000	0.781	0.844							
-14	-78	1.125	0.844	0.906							
-15	-79	1.250	0.906	0.969							
-16	-80	1.375	0.969	1.031							
-17	-81	1.500	1.031	1.094							
-18	-82	1.625	1.094	1.156							
-19	-83	1.750	1.156	1.219							
-20	-84	1.875	1.219	1.281							
-21	-85	2.000	1.281	1.344							

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CLAMP, LOOP-STEEL, PLAIN AND CUSHIONED

PART NUMBER

TABLE 1. DASH NUMBER AND DIMENSIONS-CONTINUED

DASH NUMBER		DIA A	B		C	D		E	F	G	REC. FASTENER SIZE
PLAIN	CUSHIONED		PLAIN	CUSHIONED	DIA	PLAIN	CUSHIONED				
-22	-86	2.125	1.344	1.406	0.203			0.219	0.040	0.125	0.190
-23	-87	2.250	1.406	1.469							
-24	-88	2.375	1.469	1.531							
-25	-89	2.500	1.531	1.594							
-26	-90	2.750	1.656	1.719							
-27	-91	3.000	1.781	1.844							
-28	-92	3.250	1.906	1.969							
-29	-93	3.500	2.031	2.094							
-30	-94	3.750	2.156	2.219							
-31	-95	4.000	2.281	2.344							
-32	-96	0.125	0.469	0.531	0.281	0.500	0.625			0.250	0.250
-33	-97	0.188	0.469	0.531							
-34	-98	0.250	0.500	0.562							
-35	-99	0.312	0.531	0.594							
-36	-100	0.375	0.562	0.625							
-37	-101	0.438	0.594	0.656							
-38	-102	0.500	0.625	0.688							
-39	-103	0.562	0.650	0.719							
-40	-104	0.625	0.688	0.750							
-41	-105	0.750	0.750	0.812							
-42	-106	0.875	0.812	0.875	0.344	0.562	0.688	0.281	0.032	0.062	0.312
-43	-107	1.000	0.875	0.938							
-44	-108	0.125	0.500	0.562							
-45	-109	0.250	0.531	0.594							
-46	-110	0.312	0.562	0.625							
-47	-111	0.375	0.594	0.656							
-48	-112	0.500	0.656	0.719							
-49	-113	0.625	0.719	0.781							
-50	-114	0.750	0.781	0.844							
-51	-115	0.875	0.844	0.906							
-52	-116	1.188	1.000	1.062	0.406	0.625	0.750	0.312			0.375
-53	-117	0.125	0.562	0.625							
-54	-118	0.188	0.562	0.625							
-55	-119	0.250	0.594	0.656							
-56	-120	0.312	0.625	0.688							
-57	-121	0.375	0.656	0.719							
-58	-122	0.438	0.688	0.750							
-59	-123	0.500	0.719	0.781							
-60	-124	0.562	0.750	0.812							
-61	-125	0.625	0.781	0.844							
-62	-126	0.750	0.844	0.906							
-63	-127	0.875	0.906	0.969							
-64	-128	1.000	0.969	1.031							
-129	-129	1.250	1.094	1.094							

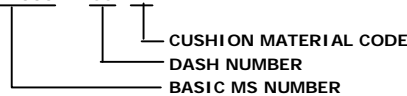
REQUIREMENTS:

- MATERIAL:** STEEL, CARBON, GRADES 1005 (UNS G10050) THRU 1020 (UNS G1020), TEMPER HALF-HARD, QUARTER HARD, SKIN PASSED OR DEAD SOFT IN ACCORDANCE WITH ASTM A109/A109M. CUSHION-SYNTHETIC RUBBER IN ACCORDANCE WITH ASTM 2000 BC515 A14 B24 E034 F19 OR PLASTISOL IN ACCORDANCE WITH A-A 59464, .062 INCHES THICK OR .032 INCHES THICK.
- PROTECTIVE COATING AND SURFACE TREATMENT:** STEEL, CARBON SHALL BE CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416 TYPE II, CLASS 3 OR ZINC COATED IN ACCORDANCE WITH ASTM B633 Fe/Zn 8, TYPE II.
- PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER, FOLLOWED BY A DASH NUMBER FROM TABLE I AND WHEN APPLICABLE A CUSHION MATERIAL CODE.

CUSHION MATERIAL CODE

A - PLASTIC .032 INCH THICK
 NO CODE - PLASTISOL, .062 INCH THICK OR SYNTHETIC RUBBER

EXAMPLE: MS21333 - 66 A



MS21333-66A INDICATES, CLAMP, LOOP-STEEL, CUSHIONED, .188 NOMINAL DIAMETER, PLASTISOL CUSHION, .032 INCHES THICK

NOTES:

- DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- REMOVE ALL BURRS AND SHARP EDGES, .010R MAX.
- TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS ±.010, ANGLES ±5°.
- DIMENSIONING AND TOLERANCES PER ANSI Y14.5M-1982.

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PART NUMBER