



PART NOS						DIMENSIONS		
TYPE A			TYPE B			D DIA	E	G
STEEL		ALUMINUM ALLOY	STEEL		ALUMINUM ALLOY			
UNPLATED	PLATED		UNPLATED	PLATED				
MS27405 4	MS27405 4P	MS27405 104	MS27405 16	MS27405 16P	MS27405 104	.800	.453	
MS27405 6	MS27405 6P	MS27405 116	MS27405 18	MS27405 18P	MS27405 116	.875	.501	
MS27405 8	MS27405 8P	MS27405 128	MS27405 20	MS27405 20P	MS27405 128	.950	.541	
MS27405 10	MS27405 10P	MS27405 140	MS27405 22	MS27405 22P	MS27405 140	1.000	.578	
MS27405 12	MS27405 12P	MS27405 152	MS27405 24	MS27405 24P	MS27405 152	1.060	.611	
MS27405 14	MS27405 14P	MS27405 164	MS27405 26	MS27405 26P	MS27405 164	1.125	.645	
MS27405 16	MS27405 16P	MS27405 176	MS27405 28	MS27405 28P	MS27405 176	1.187	.678	
MS27405 18	MS27405 18P	MS27405 188	MS27405 30	MS27405 30P	MS27405 188	1.250	.711	
MS27405 20	MS27405 20P	MS27405 200	MS27405 32	MS27405 32P	MS27405 200	1.312	.745	
MS27405 22	MS27405 22P	MS27405 212	MS27405 34	MS27405 34P	MS27405 212	1.375	.778	
MS27405 24	MS27405 24P	MS27405 224	MS27405 36	MS27405 36P	MS27405 224	1.437	.811	
MS27405 26	MS27405 26P	MS27405 236	MS27405 38	MS27405 38P	MS27405 236	1.500	.845	
MS27405 28	MS27405 28P	MS27405 248	MS27405 40	MS27405 40P	MS27405 248	1.562	.878	
MS27405 30	MS27405 30P	MS27405 260	MS27405 42	MS27405 42P	MS27405 260	1.625	.911	
MS27405 32	MS27405 32P	MS27405 272	MS27405 44	MS27405 44P	MS27405 272	1.687	.945	
MS27405 34	MS27405 34P	MS27405 284	MS27405 46	MS27405 46P	MS27405 284	1.750	.978	
MS27405 36	MS27405 36P	MS27405 296	MS27405 48	MS27405 48P	MS27405 296	1.812	1.011	
MS27405 38	MS27405 38P	MS27405 308	MS27405 50	MS27405 50P	MS27405 308	1.875	1.045	
MS27405 40	MS27405 40P	MS27405 320	MS27405 52	MS27405 52P	MS27405 320	1.937	1.078	
MS27405 42	MS27405 42P	MS27405 332	MS27405 54	MS27405 54P	MS27405 332	2.000	1.111	
MS27405 44	MS27405 44P	MS27405 344	MS27405 56	MS27405 56P	MS27405 344	2.062	1.145	
MS27405 46	MS27405 46P	MS27405 356	MS27405 58	MS27405 58P	MS27405 356	2.125	1.178	
MS27405 48	MS27405 48P	MS27405 368	MS27405 60	MS27405 60P	MS27405 368	2.187	1.211	
MS27405 50	MS27405 50P	MS27405 380	MS27405 62	MS27405 62P	MS27405 380	2.250	1.245	
MS27405 52	MS27405 52P	MS27405 392	MS27405 64	MS27405 64P	MS27405 392	2.312	1.278	
MS27405 54	MS27405 54P	MS27405 404	MS27405 66	MS27405 66P	MS27405 404	2.375	1.311	
MS27405 56	MS27405 56P	MS27405 416	MS27405 68	MS27405 68P	MS27405 416	2.437	1.345	
MS27405 58	MS27405 58P	MS27405 428	MS27405 70	MS27405 70P	MS27405 428	2.500	1.378	
MS27405 60	MS27405 60P	MS27405 440	MS27405 72	MS27405 72P	MS27405 440	2.562	1.411	
MS27405 62	MS27405 62P	MS27405 452	MS27405 74	MS27405 74P	MS27405 452	2.625	1.445	
MS27405 64	MS27405 64P	MS27405 464	MS27405 76	MS27405 76P	MS27405 464	2.687	1.478	
MS27405 66	MS27405 66P	MS27405 476	MS27405 78	MS27405 78P	MS27405 476	2.750	1.511	
MS27405 68	MS27405 68P	MS27405 488	MS27405 80	MS27405 80P	MS27405 488	2.812	1.545	
MS27405 70	MS27405 70P	MS27405 500	MS27405 82	MS27405 82P	MS27405 500	2.875	1.578	

NOTES

- (A) MATERIAL: ALUM. ALLOY, SPEC. OO-A 250/12 (7075) T73 TEMPER, TEN STR REQUIREMENTS OF 62,000 PSI MIN.
ALUM. ALLOY, SPEC. OO-A 250/8, H32 TEN STR REQUIREMENTS OF 31,000 PSI MIN.

- (A) FINISH: ALUM. ALLOY, ANODIZE, SPEC. MIL-A-8625, TYPES I OR II
STEEL, CADMIUM PLATE PER SPEC. OO-P-416 TYPE II, CLASS 2

ADD H BEFORE DASH NOS FOR CLAMP, ALUM. ALLOY, SPEC. OO-A 250/8.

EXAMPLE PART NOS MS27405 6 CLAMP, TYPE A, STEEL, UNPLATED.

MS27405 6P CLAMP, TYPE A, STEEL, PLATED

MS27405 D6 CLAMP, TYPE A, ALUM. ALLOY, SPEC. OO-A 250/12.

MS27405 T6 CLAMP, TYPE B, STEEL, UNPLATED.

MS27405 T6P CLAMP, TYPE B, STEEL, PLATED

MS27405 HD6 CLAMP, TYPE A, ALUM. ALLOY, SPEC. OO-A 250/8. (A)

MS27405 TD6 CLAMP, TYPE B, ALUM. ALLOY, SPEC. OO-A 250/12. (A)

MS27405 HTD6 CLAMP, TYPE B, ALUM. ALLOY, SPEC. OO-A 250/8. (A)

IDENTIFICATION MARKING SHALL BE IN ACCORDANCE WITH MIL STD 130.

(MARK BOTH HALVES OF TYPE B CLAMP)

MARKING FOR SHIPMENT SHALL BE IN ACCORDANCE WITH MIL STD-129.

- (A) DIMENSIONS IN DECIMALS TOLERANCES DECIMALS .010.

- (A) REMOVE BURRS AND SHARP EDGES.

- (A) MS27405 ITEMS ARE UNIVERSALLY INTERCHANGEABLE WITH AN741 ITEMS OF LIKE DASH NUMBERS.

- (A) REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

- (A) FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN

P.A. AIR FORCE -43

TITLE

Other Cost
NAVY -AS
ARMY -AV

CLAMP, LOOP

MILITARY STANDARD

MS 27405

PROCUREMENT SPECIFICATION
NONE

SUPERSEDES AN741

SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USER COMMENTS: AIR FORCE -43
ARMY -AV
NAVY -AS
DSA -CS

This military standard is approved by the Department of Defense and is mandatory on all activities. Submit for all new engineering and design and submit for all new engineering and design and submit for all new engineering and design.

APPROVED 14 APR 65 REVISED 23 DEC 71