

FED. SUP CLASS
 5315

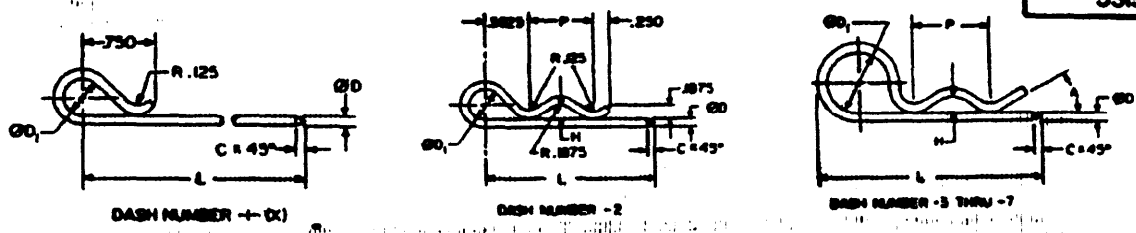
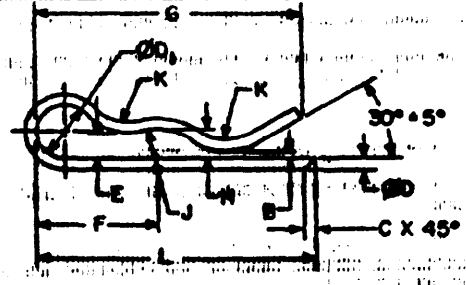


TABLE I. DASH NUMBERS AND DIMENSIONS

CNS DASH NUMBER	ϕD	L	ϕD_1	H	F	A	$C \times 45^\circ$	CLEVIS PIN DIA REF
	MIN	LENGTH	EXT	HEIGHT	PITCH	ANGLE	CHAMFER, MIN	
1-(X)	.080 \pm .000 -.002	$\frac{1}{2}$.375	-	-	-	.020	
2	.080 \pm .000 -.002	1.938	.375	.188	.750	-	.020	.375
3	.0295 \pm .001	.994	.094	.047	.188	35°	.014	.125
4	.0585 \pm .001	1.125	.250	.094	.315	35°	.020	.250
5	.0745 \pm .001	1.438	.313	.094	.500	35°	.020	.312
6	.0915 \pm .002	1.875	.608	.125	.562	35°	.020	.375
7	.1480 \pm .002	2.688	.781	.125	.875	35°	.020	.625

1/ SEE REQUIREMENT 3



DASH NUMBER - 8 THRU - 29

TABLE II. DASH NUMBERS AND DIMENSIONS

CARBON STEEL DASH NO	ZINC PLATED	CADMIUM PLATED	ϕD	H	G	J (AAD)	H	F	ϕD_1	E	K (RAD)	L	$C \times 45^\circ$	CLEVIS PIN DIA (REF)
			MIN	MIN	MIN	MIN	MIN	MIN	MIN	MIN	MIN	MIN	MIN	
8	19		.062 \pm .001	.03	.81	.12	.08	.48	.18	.03	.16	.88	.014	.25
9	20		.062 \pm .001	.03	.81	.09	.08	.48	.18	.03	.16	.88	.014	.19
10	21		.073 \pm .002	.03	.94	.16	.09	.56	.22	.05	.19	1.03	.014	.31
11	22		.083 \pm .002	.03	.94	.22	.16	.65	.22	.11	.19	1.03	.014	.44
12	23		.093 \pm .002	.06	1.30	.12	.16	.62	.32	.08	.25	1.66	.020	.65
13	24		.105 \pm .002	.06	1.31	.25	.16	.73	.32	.11	.25	1.41	.020	.90
14	25		.125 \pm .002	.09	1.30	.31	.22	.73	.32	.16	.16	1.99	.020	.62
15	26		.125 \pm .002	.03	1.62	.30	.22	.88	.38	.12	.19	1.75	.020	.75
16	27		.125 \pm .002	.03	2.62	.50	.31	1.25	.62	.25	.38	2.75	.020	1.00
17	28		.125 \pm .002	.06	3.00	.62	.34	1.38	.62	.28	.50	3.12	.020	1.25
18	29		.148 \pm .002	.03	2.75	.25	.16	1.38	.62	.31	.25	3.06	.020	.90

③ ENTIRE STANDARD REVISED

P.A. NAVY - AS
 Other Code
 ARMY - AV
 AIR FORCE - 99

AERONAUTICAL STANDARD
 PIN, LOCK (HITCH PIN)

A N 415

REQUIREMENT SPECIFICATION NONE
 SUPERSEDES: FORMER AIR FORCE AND NAVY STANDARD ISSUES OF AN405

SHEET 1 OF 2

APPROVED 29 SEP 48 REVISED ① 21 JAN 64 ② 16 SEP 75 ③ 30 APR 90

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USER ACTIVITIES:
ARMY - AT, CR, ME

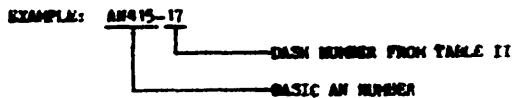
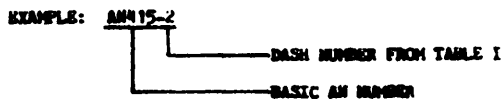
REVIEWER ACTIVITIES:
ARMY - AR, GL, MI
AIR FORCE - 82
DLA - 15

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REQUIREMENTS:

1. **MATERIAL.** CORROSION RESISTANT STEEL, TYPE 316 (UNS S31600), CONDITION B IN ACCORDANCE WITH AMS 5648 OR AMS 5649 (DASH NUMBERS -1 THRU -7, TABLE I ONLY).

CARBON STEEL WIRE, TYPE I, CLASS 1 OR 2 IN ACCORDANCE WITH QQ-W-426 (DASH NUMBERS -8 THRU -29, TABLE II ONLY).
2. **PROTECTIVE COATING.**
 - (a) WHEN SPECIFIED, CARBON STEEL PINS SHALL BE CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2.
 - (b) WHEN SPECIFIED, CARBON STEEL PINS SHALL BE ZINC COATED, TYPE II, FE/Zn15 IN ACCORDANCE WITH ASTM B633.
 - (c) CRMS PINS SHALL BE PASSIVATED IN ACCORDANCE WITH QQ-P-50.
3. **PART NUMBER.** THE PART NUMBER SHALL CONSIST OF THE BASIC AN NUMBER AND A DASH NUMBER FROM TABLE I OR TABLE II.



AN415-1-(X) ONLY: SECOND DASH NUMBER INDICATES LENGTH L EXPRESSED IN INCREMENTS OF ONE (1) INCH.

EXAMPLE: AN415-1-7 IS THE PART NUMBER FOR A TYPE AN415-1 PIN WITH LENGTH (L) OF SEVEN (7) INCHES. LENGTH (L) AVAILABLE IN 1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 16, 19, 20, 25 OR 26 INCHES.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES. TOLERANCE IS ± 0.006 , UNLESS OTHERWISE SPECIFIED.
2. IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
3. UNLESS OTHERWISE SPECIFIED, THE ISSUES OF REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS ARE THOSE LISTED IN THE ISSUES OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DDDS) AND SUPPLEMENT THERETO, CITED IN THE SOLICITATION.
4. CHAMFER AS SHOWN AND REMOVE BURRS AND SHARP EDGES.

APPROVED 29 SEP 48 REVISED 1 25 JAN 64 2 16 SEP 75 3 30 APR 80

P.A. NAVY-AS Other Code ARMY - AV AIR FORCE-99	AERONAUTICAL STANDARD	AN415
	PIN, LOCK (HITCH PIN)	
PROCUREMENT SPECIFICATION NONE	SUPERSEDES: FORMER AIR FORCE AND NAVY STANDARD ISSUES OF AN405	SHEET 2 OF 2