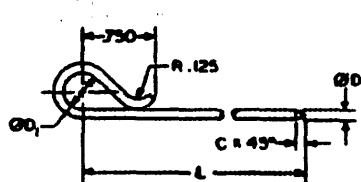
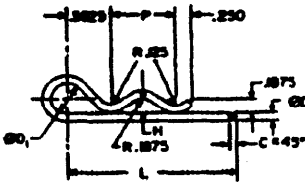


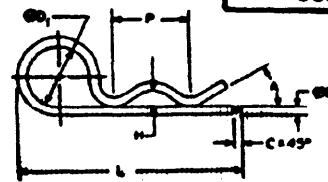
ARMY - AT, CR, ME
AIR FORCE - 82
DLA - 18



DASH NUMBER 1 (X)



DASH NUMBER 2



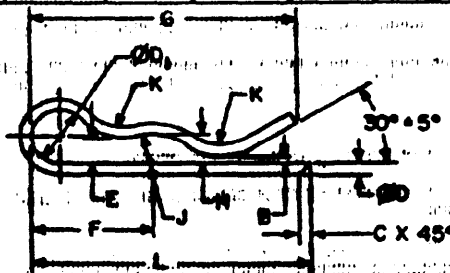
DASH NUMBER 3 THRU 7

FED. SUP CLASS
5315

TABLE I. DASH NUMBERS AND DIMENSIONS

CNS DASH NUMBER	ØD	L	ØD ₁	H	P	A	C x 45°	CLEVIS PIN DIA REF
	MIN	LENGTH	EXE	HEIGHT	PITCH	ANGLE	CHAMFER, MIN	
1-(X)	.080 \pm .000 -.002	1/	.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	.375	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	ØD	H	G	J (AAD)	H	F	ØD ₁	E	K (RAD)	L	C x 45° CHAMFER, MIN	CLEVIS PIN DIA (REF)
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		.093 \pm .002	.03	.94	.16	.09	.56	.22	.05	.19	1.03	.014	.31
11	22		.093 \pm .002	.03	.94	.22	.16	.56	.22	.11	.19	1.03	.014	.44
12	23		.093 \pm .002	.06	1.30	.12	.16	.62	.32	.08	.25	1.66	.020	.55
13	24		.125 \pm .002	.06	1.31	.25	.16	.73	.32	.11	.25	1.41	.020	.50
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	.50

③ ENTIRE STANDARD REVISED

P.A. NAVY - AS

Other Govt

ARMY - AV

AIR FORCE - 99

AERONAUTICAL STANDARD

PIN, LOCK (HITCH PIN)

AN415

REPLACES SPECIFICATION
NONESUPERSEDES: 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

USER ACTIVITIES:
ARMY - AT, CR, ME

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

FED. SUP CLASS
5315

REQUIREMENTS:

1. MATERIAL. CORROSION RESISTANT STEEL, TYPE 316 (UNS S31600), CONDITION B IN ACCORDANCE WITH AISI 3048 OR AISI 5640 (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) CRES 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.

EXAMPLE: AN415-2
 └── DASH NUMBER FROM TABLE I
 └── BASIC AN NUMBER

EXAMPLE: AN415-17
 └── DASH NUMBER FROM TABLE II
 └── BASIC AN NUMBER

AN415-1-(X) ONLY: SECOND DASH NUMBER INDICATES LENGTH L EXPRESSED IN INCHES 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 $\pm .0156$, 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 (DODIGS) AND SUPPLEMENT THERETO, CITED IN THE SOLICITATION.
4. CHAMFER AS SHOWN AND REMOVE BURRS AND SHARP EDGES.

APPROVED 29 SEP 48 REVISED 11 JAN 64 21 SEP 75 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