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FED. SUP CLASS
5315

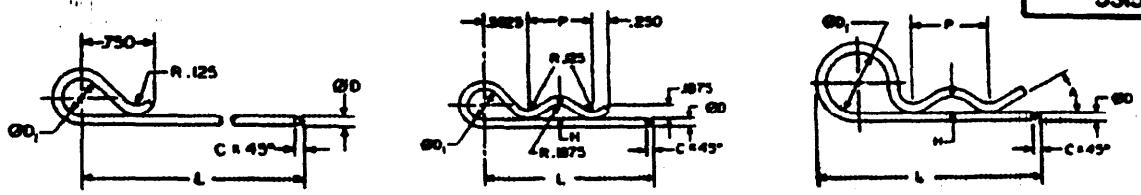
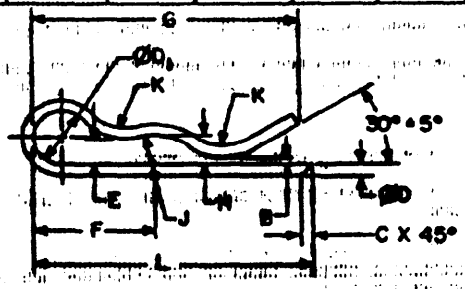


TABLE I. DASH NUMBERS AND DIMENSIONS

CRES DASH NUMBER	ØD MIN	L LENGTH	ØD1 EYE	H HEIGHT	P PITCH	A ANGLE ±5°	C x 45° CHAMFER, MIN	CLEVIS PIN DIA REF
1-(X)	.080 +.000 -.002	1/	.375	-	-	-	.020	
2	.080 +.000 -.002	1.938	.375	.188	.750	-	.020	.375
3	.0295 ±.001	.994	.094	.047	.188	35°	.014	.125
4	.0585 ±.001	1.125	.250	.094	.375	35°	.020	.250
5	.0725 ±.001	1.438	.313	.094	.500	35°	.020	.312
6	.0915 ±.002	1.875	.688	.125	.656	35°	.020	.375
7	.1480 ±.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	CARBON STEEL DASH NO CADMIUM PLATED	ØD	B	G	J (RAD)	H	F	ØD1	E	K (RAD)	L	C x 45° CHAMFER, MIN	CLEVIS PIN DIA (REF)
8	19	.062 ±.001	.03	.81	.12	.08	.48	.18	.03	.16	.88	.014	.25
9	20	.062 ±.001	.03	.81	.09	.08	.48	.18	.03	.16	.88	.014	.19
10	21	.093 ±.002	.03	.94	.16	.09	.56	.22	.05	.19	1.03	.014	.31
11	22	.093 ±.002	.09	.94	.22	.16	.58	.22	.11	.19	1.03	.014	.44
12	23	.093 ±.002	.06	1.50	.12	.16	.62	.32	.08	.25	1.66	.020	.25
13	24	.125 ±.002	.06	1.31	.25	.16	.73	.32	.11	.25	1.41	.020	.50
14	25	.125 ±.002	.09	1.50	.31	.22	.73	.32	.16	.16	1.59	.020	.62
15	26	.125 ±.002	.03	1.62	.38	.22	.88	.38	.12	.19	1.75	.020	.75
16	27	.125 ±.002	.03	2.62	.50	.31	1.25	.62	.25	.38	2.75	.020	1.00
17	28	.125 ±.002	.06	3.00	.62	.34	1.38	.62	.28	.50	3.12	.020	1.25
18	29	.146 ±.002	.03	2.75	.25	.16	1.38	.62	.31	.25	3.06	.020	.50

③ ENTIRE STANDARD REVISED

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

P.A. NAVY – AS
Other Cust
ARMY – AV
AIR FORCE – 99

AERONAUTICAL STANDARD

PIN, LOCK (HITCH PIN)

AN415

PROCUREMENT SPECIFICATION NONE

SUPERSEDES: PORTIONS OF AIR FORCE AND NAVY STANDARD ISSUES OF AN405

SHEET 1 OF 2

ARMY – AT, CR, ME
ARMY – AR, GL, MI
AIR FORCE – 82
DLA – IS

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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 AMS 5648 OR AMS 5690 (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/Zn13 IN ACCORDANCE WITH ASTM B633.

   (c) CRES PINS SHALL BE PASSIVATED IN ACCORDANCE WITH QQ-P-35.

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 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 ±.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 ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND SUPPLEMENT THERETO, CITED IN THE SOLICITATION.
4. CHAMFER AS SHOWN AND REMOVE BURRS AND SHARP EDGES.

APPROVED 29 SEP 49 REVISED (1) 28 JAN 64 (2) 16 SEP 75 (3) 30 APR 80

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

DISC Form 1299 APR 76

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