

COMMERCIAL ITEM DESCRIPTION

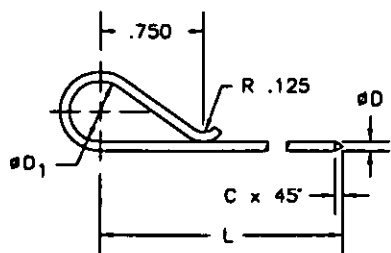
PIN, LOCK (HITCH PIN)

THE GENERAL SERVICES ADMINISTRATION HAS AUTHORIZED THIS COMMERCIAL ITEM DESCRIPTION
FOR ALL FEDERAL AGENCIES

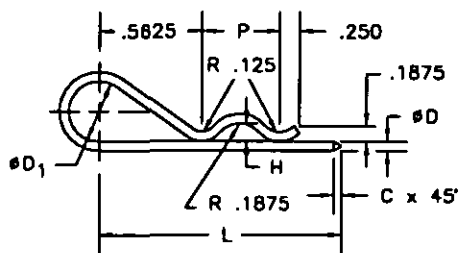
1. SCOPE: THIS COMMERCIAL ITEM DESCRIPTION (CID) DEPICTS THE REQUIREMENTS FOR A LOCK PIN (HITCH PIN).
2. SALIENT CHARACTERISTICS.
 - 2.1. MATERIAL:
TABLE 1. STAINLESS STEEL SPRING WIRE, TYPE 316 (UNS S31600), IN ACCORDANCE WITH ASTM A313.
TABLE 2. CARBON STEEL SPRING WIRE, TYPE I, CLASS 1 OR 2 IN ACCORDANCE WITH QQ-W-428.
 - 2.2. SURFACE TREATMENT/PLATING:
A. CRES PINS SHALL BE PASSIVATED IN ACCORDANCE WITH QQ-P-35.
B. CARBON STEEL PINS SHALL BE ZINC PLATED, TYPE II FE/ZN13 IN ACCORDANCE
WITH ASTM B633.
 - 2.3. TOLERANCE IS $\pm .0156$, UNLESS OTHERWISE SPECIFIED.

BENEFICIAL COMMENTS, RECOMMENDATIONS, ADDITIONS, DELETIONS, CLARIFICATIONS, ETC., AND DATA WHICH MAY
IMPROVE THIS DOCUMENT SHOULD BE SENT TO: DEFENSE INDUSTRIAL SUPPLY CENTER. ATTN: DISC-ECA,
700 ROBBINS AVENUE, PHILADELPHIA, PA 19111-5096.

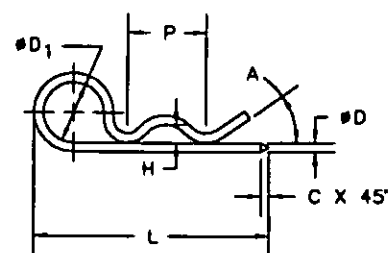
A-A-55487



AA55487-1-(X)



AA55487-2



AA55487 -3 THRU -7

TABLE I. CRES PINS

CID P/N	ØD WIRE	L LENGTH	ØD ₁ EYE	H HEIGHT	P PITCH	A ANGLE ± 5°	C X 45° CHAMFER, MIN	CLEVIS PIN DIA REF
-1(X)	.080 $\begin{smallmatrix} +.000 \\ -.002 \end{smallmatrix}$	1/	.375	-	-	-	.020	
-2	.080 $\begin{smallmatrix} +.000 \\ -.002 \end{smallmatrix}$	1.938	.375	.188	.750	-	.020	.375
-3	.0295 ±.001	.594	.094	.047	.188	35°	.014	.125
-4	.0585 ±.001	1.125	.250	.094	.375	35°	.020	.250
-5	.0725 ±.002	1.438	.313	.094	.500	35°	.020	.312
-6	.0915 ±.002	1.875	.688	.125	.563	35°	.020	.375
-7	.1480 ±.002	2.688	.781	.125	.875	35°	.020	.625

1/AA55487-1-(X) ONLY: SECOND DASH NUMBER INDICATES LENGTH L IN INCREMENTS OF ONE (1) INCH.

EXAMPLE: AA55487-1-7 IS THE PART NUMBER FOR A TYPE AA55487-1 PIN WITH LENGTH (L) OF SEVEN (7) INCHES. LENGTH (L) AVAILABLE IN 1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 18, 19, 20, 25, OR 26 INCHES.

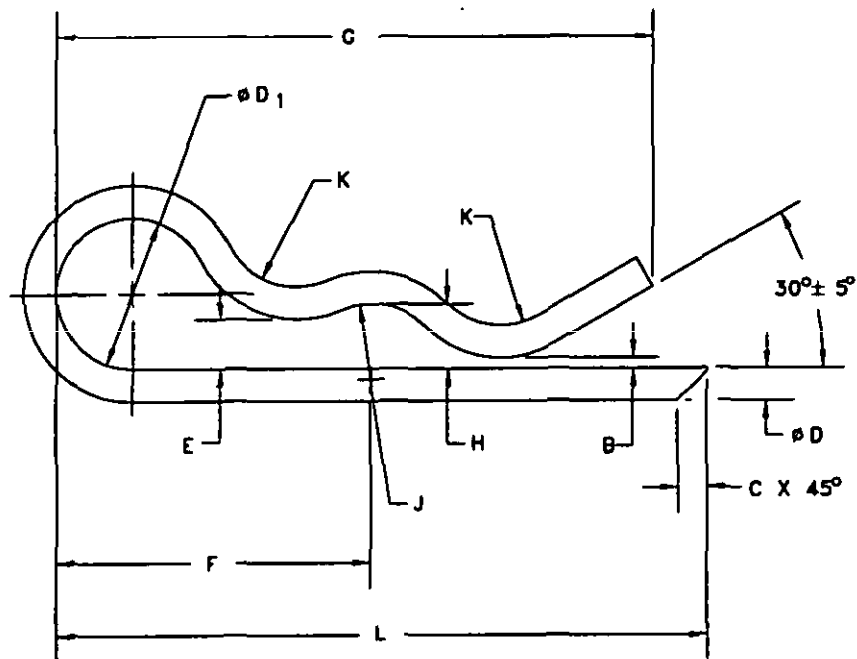


TABLE II. ZINC PLATED CARBON STEEL PINS

CID P/N	ϕD	B	G	J (RAD)	H	F	ϕD_1	E	K (RAD)	L	C X 45°	CLEVIS PIN DIA (REF)
-8	.062 $\pm$.001	.03	.81	.12	.08	.48	.18	.03	.16	.88	.014	.25
-9	.062 $\pm$.001	.03	.81	.09	.08	.48	.18	.03	.16	.88	.014	.19
-10	.093 $\pm$.002	.03	.94	.16	.09	.56	.22	.05	.19	1.03	.014	.31
-11	.093 $\pm$.002	.09	.94	.22	.16	.53	.22	.11	.19	1.03	.014	.44
-12	.093 $\pm$.002	.06	1.50	.12	.16	.62	.32	.08	.25	1.66	.020	.25
-13	.125 $\pm$.002	.06	1.31	.25	.16	.73	.32	.11	.25	1.41	.020	.50
-14	.125 $\pm$.002	.09	1.50	.31	.22	.73	.32	.16	.16	1.59	.020	.62
-15	.125 $\pm$.002	.03	1.62	.38	.22	.88	.38	.12	.19	1.75	.020	.75
-16	.125 $\pm$.002	.03	2.62	.50	.31	1.25	.62	.25	.38	2.75	.020	1.00
-17	.125 $\pm$.002	.06	3.00	.62	.34	1.38	.62	.28	.50	3.12	.020	1.25
-18	.148 $\pm$.002	.03	2.75	.25	.16	1.38	.62	.31	.25	3.06	.020	.50

3. QUALITY CONFORMANCE PROVISIONS:

- 3.1. THE SUPPLIERS SHALL BE RESPONSIBLE FOR THOSE IN PROCESS CONTROLS AND INSPECTIONS NECESSARY TO SUPPLY A PRODUCT CONSISTENTLY CONFORMING TO THE REQUIREMENTS OF THIS DOCUMENT.
- 3.2. UPON REQUEST, THE SUPPLIER WILL CERTIFY WITH DOCUMENTED TEST/INSPECTION EVIDENCE, THAT THE PARTS SUPPLIED MEETS THE REQUIREMENTS OF THIS DOCUMENT.

4. NOTES:

- 4.1. ALL DIMENSIONS ARE IN INCHES.
- 4.2. CHAMFER AS SHOWN AND REMOVE ALL BURRS AND BREAK SHARP EDGES.
- 4.3. INTERPRET DRAWING IN ACCORDANCE WITH ANSI Y14.5M.
- 4.4. PART NUMBER: THE PART NUMBER SHALL CONSIST OF THE BASIC CID NUMBER AND A DASH NUMBER FROM TABLE I OR TABLE II.

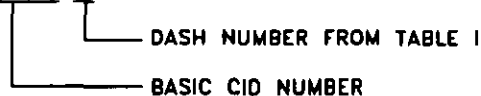
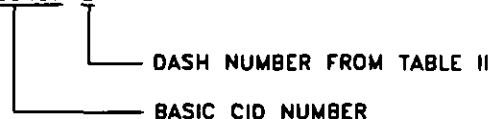
EXAMPLE: AA55487-2EXAMPLE: AA55487-8

TABLE III. CROSS - REFERENCE TABLE.

CANCELLED MS PIN	REPLACEMENT CID PIN
AN415 - * 1/	AA55487 - * 1/

1/ * REPRESENTS THE SAME DESIGNATION CODES FOR BOTH AN AND CID PINS.

MILITARY INTERESTS

CUSTODIANS

NAVY - AS
ARMY - AV
AIR FORCE - 99

PREPARING ACTIVITY

DLA-IS

(PROJECT: 5315-0491)