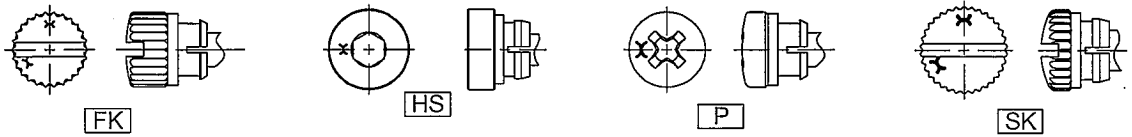
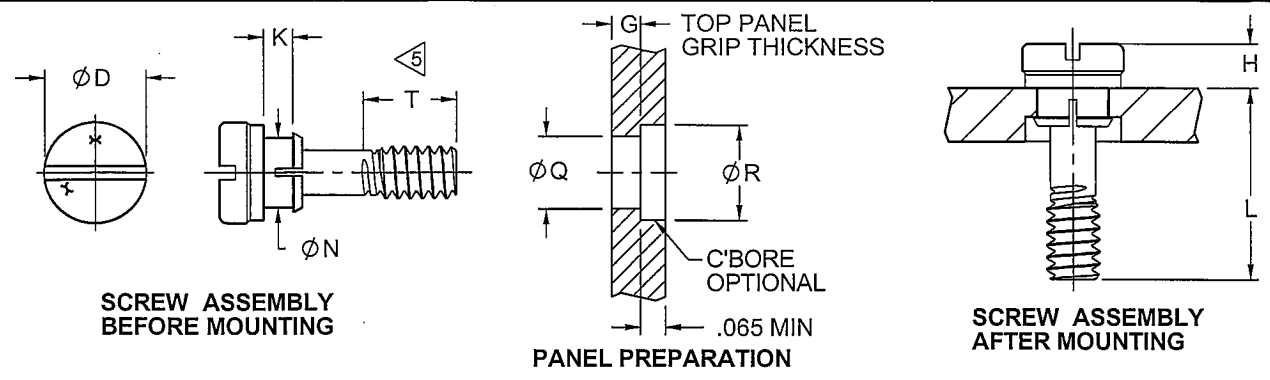


**ORIGINAL**  
 Red Ink Indicates  
**Original Copy**

REV **Y**  
**S-2307**  
 DRAWING NO.



PART NUMBER STRUCTURE  
**D ( ) ( ) 7950 - ( ) - ( ) - ( ) - (5)**

THREAD SIZE CODE	Ø D ± .020			H ± .025				Ø N MAX	Ø Q +.004 -.001	Ø R +.020 -.000	T 5
	FK	HS	P, S, SK	FK	HS	P	S, SK				
M2.5	.16	NA	.19	.11	NA	.10	.08	.145	.147	.206	SEE THREAD AVAILABILITY TABLE
4, 4F, M3	.21	.21	.22	.13	.14	.10	.09	.158	.162	.219	
6, 6F, M3.5	.26	.22	.27	.17	.17	.12	.11	.186	.190	.250	
8, 8F, M4	.31	.27	.32	.24	.20	.14	.12	.216	.218	.281	
10, 10C, 10F, M5	.34	.31	.37	.30	.23	.15	.13	.248	.250	.312	
12, 12C, 12F, M6	.37	.37	.49	.33	.32	.20	.17	.310	.312	.375	

LENGTH CODE	L ± .020
6	.375
7	.437
8	.500
9	.562
10	.625
11	.687
12	.750

GRIP CODE	M2.5, 4, 4F, M3, 6, 6F, M3.5, 8, 8F, M4, 10, 10C, 10F, M5				12, 12C, 12F, M6	
	G	K +.010 -.000	G	K +.010 -.000	G	K +.010 -.000
A	.031-.048	.049	.050-.059	.060		
B	.049-.075	.076	.060-.089	.090		
C	.076-.105	.106	.090-.119	.120		

MODEL SERIES

CODE	FINISH
NONE	CLEAR
E	BLACK

THREAD SIZE CODE	THREAD SIZE	LEAD	THREAD SIZE CODE	THREAD SIZE	LEAD
4	.112-40 UNC-3A	SINGLE	8F	.164-32 UNC-3A	QUAD
6	.138-32 UNC-3A		10F	.190-32 UNF-3A	
8	.164-32 UNC-3A		12F	.250-28 UNF-3A	
10	.190-32 UNF-3A		M2.5	M2.5 x 0.45-4h6h	METRIC
12	.250-28 UNF-3A	M3	M3 x 0.5-4h6h		
10C	.190-24 UNC-3A	M3.5	M3.5 x 0.6-4h6h		
12C	.250-20 UNC-3A	M4	M4 x 0.7-4h6h		
4F	.112-40 UNC-3A	M5	M5 x 0.8-4h6h		
6F	.138-32 UNC-3A	M6	M6 x 1.0-4h6h		

RECESS CODE	DRIVING RECESS/HEAD STYLE AND SPECIFICATION
S	SLOT RECESS/PAN HEAD PER ANSI B18.6.3
FK	SLOT RECESS/FILLISTER HEAD PER ANSI B18.6.3 (KNURLED)
HS	HEX RECESS / PAN HEAD PER ANSI B18.6.3
P	CROSS RECESS (TYPE 1) / PAN HEAD PER NASM9006
SK	SLOT RECESS/PAN HEAD PER ANSI B18.6.3 (KNURLED)

Y DCN 8627 02-24-10

REV DESCRIPTION/EC NO. DATE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES

TOLERANCE UNLESS OTHERWISE NOTED:  
 X = ±.05 ANGLES ±0.5°  
 XX = ±.02  
 .XXX = ±.015

**Alcoa Fastening Systems**  
 AEROSPACE FASTENER DIVISION  
 3724 EAST COLUMBIA STREET  
 TUCSON, ARIZONA 85714  
 PHONE 520 519-7400  
 FAX 520 519-7427

TITLE  
**CAPTIVE SCREW, SNAP-IN, OPTIONAL HEAD, OPTIONAL SIZE, OPTIONAL RECESS**

DATE 06-16-04 PART NUMBER **D( ) ( ) 7950**

DRAWN JLS SIGNER INITIALS DRAWING NO. **S-2307**

CHECK J. CALLAWAY CAGE CODE 0HDW7 REV **Y**

APPROVE J. HEIN SCALE: 2:1 SHEET 1 OF 2

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REV **Y**  
 DRAWING NO. **S-2307**

**MATERIAL:**

STUD: D( ) ( )7950: 302 CRES STEEL PER AMS 5636 OR ASTM-A-493  
 SLEEVE: D( ) ( )7950: 7075 -T6 ALUM PER AMS 4122 OR AMS QQ-A-225/9

**FINISH:**

STUD:  
 D( )7950: PASSIVATE PER AMS QQ-P-35.  
 D( )E7950: BLACK OXIDE PER MIL-C-13924, CLASS 4.

SLEEVE:  
 D( )7950: ANODIZE PER MIL-A-8625, TYPE II, CLASS 1  
 D( )E7950: BLACK ANODIZE PER MIL-A-8625, TYPE II, CLASS 2



**NOTES:**

1. INTERPRET DIMENSIONS & TOLERANCES IAW ASME Y14.5-1994.
2. > FOR LONGER LENGTH CODES, ADD INCREMENTS OF .0625 PER ADDITIONAL LENGTH CODE.
3. > LENGTH CODE -6 IS AVAILABLE FOR THREAD SIZE CODE M2.5 ONLY.
4. > -3A THREADS PER ASME B1.1, METRIC THREADS PER ASME B1.13M.
5. > THE FOLLOWING TABLE CONTAINS COMBINATIONS WITH A REDUCED THREAD LENGTH. FOR ORDERING OPTIONAL THREAD LENGTHS ADD ACTUAL THREAD LENGTH TO THE END OF PART NUMBER.  
 EXAMPLE:           STANDARD: DP7950 - 8 - B - 10  
                       SPECIAL:   DP7950 - 8 - B - 10 - .375

THREAD DIMENSION "T" IS FULL FORM THREAD LENGTH, A MAXIMUM OF 1.5 ADDITIONAL THREADS ARE ALLOWED FOR THREAD RUNOUT DURING ROLLING PROCESS.

THREAD LENGTH AVAILABILITY TABLE																		
GRIP CODE	SIZE M2.5, 4, 4F, M3, 6, 6F, M3.5							SIZE 8, 8F, M4										
	6	7	8	9	10	11	12	6	7	8	9	10	11	12				
A	.225	T = .250										T = .310						
B	.200																	
C	.170	.230																

THREAD LENGTH AVAILABILITY TABLE																		
GRIP CODE	SIZE 10, 10C, 10F, M5							SIZE 12, 12C, 12F, M6										
	6	7	8	9	10	11	12	6	7	8	9	10	11	12				
A			T = .310										T = .370					
B																		
C																		

 ASSEMBLIES NOT AVAILABLE  
 FULL THREAD LENGTH ASSEMBLIES AVAILABLE;  
 OTHERWISE, LENGTH AS INDICATED

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Y	DCN 8627	02-24-10
REV	DESCRIPTION/EC NO.	DATE
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES		
TOLERANCE UNLESS OTHERWISE NOTED:		
X	= ±.05	ANGLES ±0.5°
XX	= ±.02	
XXX	= ±.015	

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TITLE <b>CAPTIVE SCREW, SNAP-IN, OPTIONAL HEAD, OPTIONAL SIZE, OPTIONAL RECESS</b>			
DATE 06-16-04	PART NUMBER D( ) ( )7950		
DRAWN JLS	SIGNER INITIALS JC	DRAWING NO. <b>S-2307</b>	
CHECK J. CALLAWAY	CAGE CODE OHDW7	REV Y	
APPROVE J. HEIN	SCALE: 2:1	SHEET 2 OF 2	