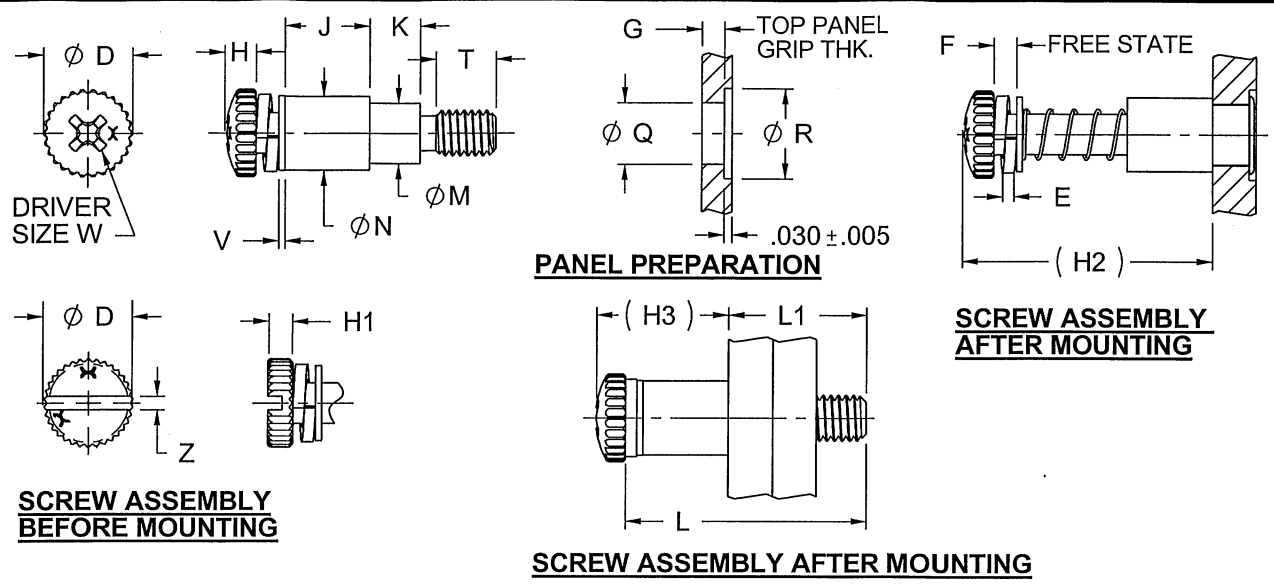


ORIGINAL
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REV AC
 S-2006
 DRAWING NO.

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THREAD SIZE CODE	ØD	E ±.005	F	H	H1	(H2)	(H3)	J	ØM ±.005	ØN ±.010	ØQ +.004 -0.001	ØR +.020 -0.000	T	V ±.005	W	Z
4	.212	.025	.050	.080	.068	.995	.500	.365	.178	.209	.187	.281	1	.016	1	.040
6	.263	.031	.062	.097	.082											
8	.314	.040	.080	.115	.096	1.035	.540	.345	.215	.300	.221	.343		.025	2	.049
10	.365	.047	.094	.133	.110											
12	.482	.062	.124	.175	.144	1.084	.697	.435	.316	.437	.323	.437		.025	3	.062

PART NUMBER CALLOUT

DS () () 7900 - () - () - ()

MODEL

SERIES

LENGTH CODE	L		L1 ±.020	LENGTH CODE	L		L1 ±.020
	4, 6, 8, 10	12			4, 6, 8, 10	12	
3	.750	.871	.345	6	1.125	1.246	.720
3.5	.812	.933	.407	6.5	1.187	1.308	.782
4	.875	.996	.470	7	1.250	1.371	.845
4.5	.937	1.058	.532	7.5	1.312	1.433	.907
5	1.000	1.121	.595	8	1.375	1.496	.970
5.5	1.062	1.183	.657	8.5	1.437	1.558	1.032

THREAD SIZE CODE	THREAD SIZE PER ASME B1.1	LEAD
4	.112-40 UNC-2A	SINGLE
6	.138-32 UNC-2A	
8	.164-32 UNC-2A	
10	.190-32 UNF-2A	
12	.250-28 UNF-2A	

GRIP CODE	G (TOP PANEL GRIP THICKNESS)	K ±.005
A	.031-.062	.085
BB	.041-.093	.115
B	.063-.125	.147
C	.126-.187	.210
D	.188-.250	.272
E	.251-.312	.335

CODE	FINISH
NONE	BLACK OXIDE
U	PASSVATE

RECESS CODE	DRIVING RECESS AND SPECIFICATION
C	CROSS RECESS PER NASM 9006
D	SLOT RECESS PER ANSIB 18.6.3

AC	DCN 5542	07-13-07
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
 www.alcoafasteners.com

TITLE			
CAPTIVE SCREW, OPTIONAL RECESS, SPRING LOADED, ALL CRES, FULLY RETRACTABLE			
DATE	PART NUMBER	DS () () 7900	
11/29/2005			
DRAWN	DRAWING NO.	S-2006	
JLS			
CHECK	CAGE CODE	0HDW7	REV AC
APPROVE	SCALE: 1.25:1		SHEET 1 OF 2

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DRAWING NO.

S-2006

REV **AC**

THREAD LENGTH AVAILABILITY TABLES

2 ▷

GRIP CODE	SIZE 4						
	3	3.5	4	4.5	5	5.5	6
A	.191						
BB	.161						
B	.128	.191					.203
C		.128	.191				
D			.128	.191			
E				.128	.191		

2 ▷

GRIP CODE	SIZE 6						
	3	3.5	4	4.5	5	5.5	6
A	.179						
BB	.149						
B	.117	.179					.203
C		.117	.179				
D			.117	.179			
E				.117	.179		

GRIP CODE	SIZE 8						
	3	3.5	4	4.5	5	5.5	6
A	.165	.228					
BB	.135	.197					
B	.103	.165	.228				.250
C		.103	.165	.228			
D			.103	.165	.228		
E				.103	.165	.228	

GRIP CODE	SIZE 10						
	3	3.5	4	4.5	5	5.5	6
A	.151	.213					
BB	.121	.183					
B		.151	.213				.250
C			.151	.213			
D				.151	.213		
E					.151	.213	

GRIP CODE	SIZE 12						
	3	3.5	4	4.5	5	5.5	6
A	.165	.228					
BB		.197	.260				
B		.165	.228				.281
C			.165	.228			
D				.165	.228		
E					.165	.228	

ASSEMBLIES NOT AVAILABLE

* LENGTH CODES NOT SHOWN ARE AVAILABLE WITH THE LONGER THREAD LENGTH PER APPLICABLE TABLE

INSTALLATION TOOLS:
() = THREAD SIZE CODE

- 3 ▷ EXTENSION DT257EN
ARBOR PRESS TOOL HW7600-()
NOSE PIECE HN7513-()
PULLER HP7523-()
- 2 ▷ HANDLE ASSY TA7533

MATERIAL

- STUD :
302 CRES PER ASTM-A-493, AMS 5636
- LOCKWASHER:
300 SERIES CRES PER AMS 5519 OR EQUIV.
- SLEEVE:
304 CRES PER AMS-QQ-S-763, AMS 5639
- SPRING:
302 CRES PER ASTM-A-313, AMS 5688
- FLAT WASHER:
300 SERIES CRES PER AMS 5519 OR EQUIV.

FINISH

- DSCU 7900 & DSDU 7900:
PASSIVATE PER AMS-QQ-P-35
- DSC 7900 & DSD 7900:
SPRING:
PASSIVATE PER AMS-QQ-P-35
- ALL OTHER COMPONENTS:
BLACK OXIDE PER MIL-C-13924, CLASS 4.

NOTES:

- 1 ▷ SEE APPROPRIATE THREAD LENGTH AVAILABILITY TABLE FOR "T" DIMENSION
- 2 ▷ DO NOT USE HAND TOOL ON 4 & 6 THREAD SIZE CODES.
- 3 ▷ FOR LONGER STUD/SHORT SLEEVE COMBINATIONS, EXTENSION DT257EN IS RECOMMENDED WITH HAND TOOL

AC	DCN 5542	07-13-07
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 CAPTIVE SCREW, OPTIONAL RECESS, SPRING LOADED, ALL CRES, FULLY RETRACTABLE			
DATE 11/29/2005	PART NUMBER DS() ()7900		
DRAWN JLS	DRAWING NO. S-2006		
CHECK 	CAGE CODE 0HDW7	REV AC	
APPROVE	SCALE: 1:1	SHEET 2 OF 2	