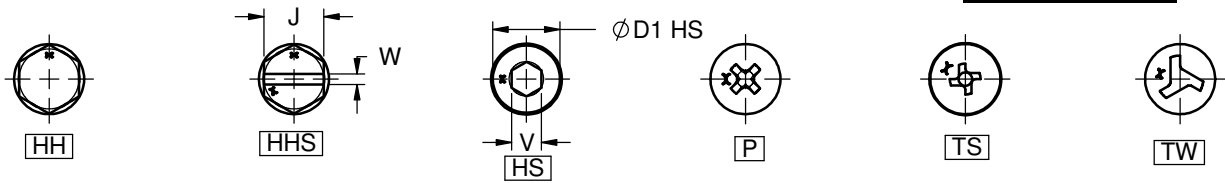


SCREW ASSEMBLY BEFORE MOUNTING

PANEL PREPARATION

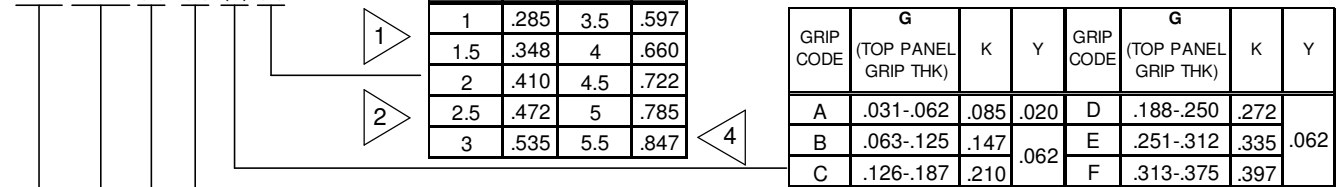
SCREW ASSEMBLY AFTER MOUNTING



THREAD SIZE CODE	ØD	ØD1	ØD1HS	H				J ±.003	ØN ±.005	ØQ +.004 -.001	ØR +.020 -.000	T	W		RECESS SIZE			
				HH, HHS	HS	SLOT	P, TS, TW						SLOT	HHS	P	TW	TS	V
4, 4F, M3	.219	.212	.180	.054	.110	.063	.075	.185	.178	.187	.281	5	.040	.035	4	2	4	3/32
6, 6F, M3.5	.265	.263	.222	.086	.135	.077	.092	.247	.202	.209	.312		.044	.044	6	3	6	7/64
8, 8F, M4	.314	.314	.266	.103	.161	.090	.110	.247	.215	.221	.343		.049	.049	8	4	8	9/64
10, 10C, 10F, M5	.365	.365	.307	.112	.187	.104	.127	.309	.250	.257	.375		.055	.055	10	5	10	5/32
12, 12C, 12F, M6	.492	.482	.370	.181	.247	.137	.168	.372	.313	.323	.437		.062	.062	1/4	6	1/4	3/16

PART NUMBER CALLOUT

DCT 7900 () - () - () - ()



MODEL

SERIES

THREAD SIZE CODE	THREAD SIZE	LEAD	THREAD SIZE CODE	THREAD SIZE	LEAD
4	.112-40 UNC-2A	SINGLE	8F	.164-32 UNC-2A	QUAD
6	.138-32 UNC-2A		10F	.190-32 UNF-2A	
8	.164-32 UNC-2A		12F	.250-28 UNF-2A	
10	.190-32 UNF-2A		M3	M3 x 0.5-6g	
12	.250-28 UNF-2A	SINGLE (COARSE)	M3.5	M3.5 x 0.6-6g	METRIC
10C	.190-24 UNC-2A		M4	M4 x 0.7-6g	
12C	.250-20 UNC-2A		M5	M5 x 0.8-6g	
4F	.112-40 UNC-2A	DOUBLE	M6	M6 x 1.0-6g	
6F	.138-32 UNC-2A				

INSTALLATION TOOLS:
() INDICATES THREAD SIZE CODE

ARBOR PRESS TOOL HW7600-(),
NOSE PIECE HN7513-(),
PULLER HP7523-(),
HANDLE ASSEMBLY TA7533

COMPLETE HANDLE TOOL ASSY:
H8603-() INCLUDES NOSE PIECE,
PULLER & HANDLE

3

RECESS CODE	DRIVING RECESS AND SPECIFICATION	RECESS CODE	DRIVING RECESS AND SPECIFICATION
	SLOT RECESS PER ANSIB18.6.3	P	CROSS RECESS PER NASM 9006
HH	HEX HEAD PER ANSIB18.6.3	TS	RECESS PER NASM 33781
HHS	HEX HEAD SLOT RECESS PER ANSIB18.6.3	TW	RECESS PER NAS 4000
HS	CAP HEAD HEX RECESS PER ANSIB18.3		

AC PER DCN 12953, CHANGED FROM Alcoa Fastening Systems AND AFS TO Alcoa Fastening Systems & Rings AND AFSR

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

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CHECKED BY SIGNATURE ON FILE

ISSUED 10/29/2004
REVISED 3/31/2015
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**CAPTIVE SCREW,
OPTIONAL HEAD, FIXED THREAD LENGTH**

DIMENSIONS IN INCHES

**DCT7900
S-0953**

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THREAD LENGTH AVAILABILITY TABLE

GRIP CODE	4, 4F, M3, 6, 6F, M3.5										8, 8F, M4, 10, 10C, 10F, M5										12, 12C, 12F, M6										
	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	
A	.140										.140	.203										.190	.203	.265							
B		.140										.140	.203											.203	.265						
C			.140						.203				.140	.203					.250						.203	.265				.281	
D				.140										.140	.203											.203	.265				
E					.140										.140	.203											.203	.265			
F						.140										.140	.203											.203	.265		

ASSEMBLIES NOT AVAILABLE

MATERIAL

STUD: HH, HHS, HS, P, & SLOT RECESSES

SIZES - 4, 4F, 6, 6F, M3, M3.5

8740 ALLOY STEEL PER AMS 6322 OR EQUIV., HEAT TREAT TO HRC 34-38

SIZES - 8, 8F, 10, 10F, 10C, 12, 12F, 12C, M4, M5, M6

302 CRES PER ASTM-A-493 OR AMS 5636

STUD: TS AND TW RECESSES

ALL SIZES - A-286 CRES PER AMS 5737, HEAT TREAT TO 160 KSI MIN. ULTIMATE TENSILE STRENGTH

SLEEVE:

SIZES - 4, 4F, 6, 6F, M3, M3.5

BRASS ALLOY PER ASTM B 16/B 16M OR SAE AMS 4610

SIZES - 8, 8F, 10, 10F, 10C, 12, 12F, 12C, M4, M5, M6

6061 ALUMINUM ALLOY PER AMS-QQ-A-225/8, AMS 4117

FINISH

STUD & SLEEVE: SIZES - 4, 4F, 6, 6F, M3, M3.5

CAD PLATE PER AMS-QQ-P-416, TYPE I, CLASS 2

STUD: SIZES - 8, 8F, 10, 10F, 10C, 12, 12F, 12C, M4, M5, M6

PASSIVATE PER AMS2700

SLEEVE: SIZES - 8, 8F, 10, 10F, 10C, 12, 12F, 12C, M4, M5, M6

ANODIZE PER MIL-A-8625, TYPE II, CLASS 1

NOTES UNLESS SPECIFIED OTHERWISE:

- 1 ▶ LETTERS AT THE END OF PART NUMBER DESIGNATE SPECIAL ASSEMBLIES:
DL - ASSEMBLIES WITH DRI LUBE THREADS PER AS5272
PL - ASSEMBLIES WITH PATCH LOCK PER MIL-DTL-18240
- 2 ▶ .335 FOR SIZE 12 AND M6.
- 3 ▶ NO CODE REQUIRED FOR SLOTTED RECESSED HEADS.
- 4 ▶ FOR LONGER LENGTHS "L", ADD .125 INCREMENTS PER LENGTH CODE.
- 5 ▶ SEE APPROPRIATE THREAD LENGTH AVAILABILITY TABLE FOR "T" DIMENSION.
- 6 ▶ -2A THREADS PER FED-STD-H28. "M" THREADS PER ANSI/ASME B1.13M

AC

PER DCN 12953, CHANGED FROM Alcoa Fastening Systems AND AFS TO Alcoa Fastening Systems & Rings AND AFSR

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

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CHECKED BY SIGNATURE ON FILE

ISSUED 10/29/2004
REVISED 3/31/2015
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CAPTIVE SCREW,
OPTIONAL HEAD, FIXED THREAD LENGTH

DIMENSIONS IN INCHES

DCT7900
S-0953