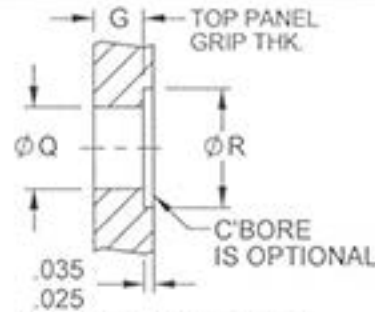
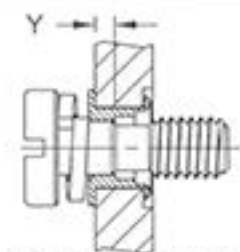


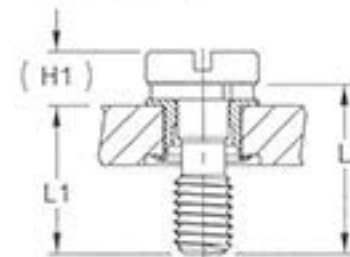
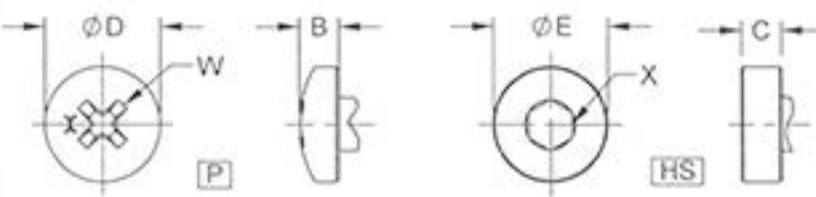
SCREW ASSEMBLY BEFORE MOUNTING



PANEL PREPARATION



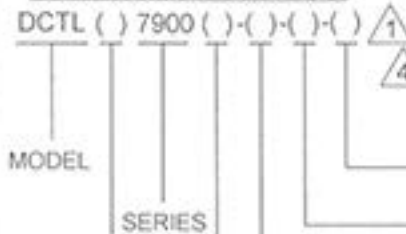
SCREW ASSEMBLY  
AFTER MOUNTING



SCREW ASSEMBLY  
AFTER MOUNTING

THREAD SIZE CODE	A	B	C	ØD	ØE	(H1)			ØM ±.005	ØN ±.010	ØQ +.004 -.001	ØR +.020 -.000	T	V	W	X
						SLOT	P	HS								
4, 4F	.063	.075	.110	.212	.180	.108	.120	.155	.178	.219	.187	.281		.040	4	3/32
6, 6F	.077	.092	.135	.263	.222	.128	.143	.186	.202	.265	.209	.312		.044	6	7/64
8, 8F	.090	.110	.161	.314	.266	.150	.170	.221	.215	.314	.221	.343		.049	8	9/64
10, 10C, 10F	.104	.127	.187	.365	.307	.171	.194	.254	.250	.365	.257	.375		.055	10	5/32
12, 12C, 12F	.137	.168	.247	.482	.370	.219	.250	.329	.313	.492	.323	.437		.062	1/4	3/16

PART NUMBER CALLOUT



LENGTH CODE	L ±.020	L1				
		4	6	8	10	12
1	.347	.302	.296	NA		
2	.472	.427	.421	.412	.405	.390
3	.597	.552	.546	.537	.530	.515
4	.722	.677	.671	.662	.655	.640
5	.847	.802	.796	.787	.780	.765
6	.972	.927	.921	.912	.905	.890

GRP CODE	G (TOP PANEL GRP THK)	K ±.005	Y ±.005
B	.063-.125	.147	
C	.126-.187	.210	
D	.188-.250	.272	.062
E	.251-.312	.335	
F	.313-.375	.397	

THREAD SIZE CODE	THREAD SIZE	LEAD	THREAD SIZE CODE	THREAD SIZE	LEAD
4	.112-40 UNC-2A	SINGLE	4F	.112-40 UNC-2A	DOUBLE
6	.138-32 UNC-2A		6F	.138-32 UNC-2A	
8	.164-32 UNC-2A		8F	.164-32 UNC-2A	QUAD
10	.190-32 UNF-2A		10F	.190-32 UNF-2A	
12	.250-28 UNF-2A	SINGLE (COARSE)	12F	.250-28 UNF-2A	
10C	.190-24 UNC-2A				
12C	.250-20 UNC-2A				

CODE	STUD MATERIAL/FINISH
NONE	A-286 (SIZE 4 & 6)PASSIVATE
	302 (SIZE 8, 10 & 12)PASSIVATE
A	A-286 (SIZE 8, 10 & 12)PASSIVATE
B	A-286 (SIZE 8, 10 & 12)BLACK OXIDE
E	A-286 (SIZE 4 & 6)BLACK OXIDE
	302 (SIZE 8, 10 & 12)BLACK OXIDE

RECESS CODE	DRIVING RECESS AND SPECIFICATION
NONE	SLOT RECESS PER ANSIB18.6.3
HS	SOCKET HEAD HEX RECESS PER ANSIB18.3
P	CROSS RECESS PER NASM 9006

DIMENSIONS IN INCHES

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

DRAWN BY J. SCHLOHM  
CHECKED BY J. HEN  
CAGE CODE  
0HDW7

R PER DCN 9351, CHANGED CODE TABLE SHEET 1,  
REVISED MATERIAL DESIGNATIONS, SHEET 2

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CAPTIVE SCREW, OPTIONAL RECESS,  
LOCKING, THREAD LENGTH CONTROLLED,  
A-286/302 STUD MATERIAL OPTIONS

DCTL ( ) 7900  
S-2141

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THREAD LENGTH AVAILABILITY TABLE																		
GRIP CODE	4, 4F, 6, 6F						8, 8F, 10, 10C, 10F						12, 12C, 12F					
	1	2	3	4	5	6	2	3	4	5	6	2	3	4	5	6		
A	.140						.230					.198						
B							.168			.250		.136	.261			.280		
C		.140		.203				.230					.198					
D								.168					.136	.261				
E			.140						.230					.198				
F									.168					.136	.261			

ASSEMBLIES NOT AVAILABLE

**MATERIAL:**

STUD:  
A286 CRES PER AMS 5732, AMS 5737, HEAT TREAT TO 160 KSI MIN UTS  
OR  
302 CRES PER ASTM-A-493, AMS 5636  
SLEEVE: ALL SIZES: 304 CRES PER AMS 5639 AND AMS-QQ-S-763  
LOCK WASHER: 300 SERIES CRES PER ASME B18.21.1

**FINISH:**

PASSIVATE PER AMS2700 AND AMS-QQ-P-35.  
BLACK OXIDE PER MIL-C-13924, CLASS 3 (A286)  
BLACK OXIDE PER MIL-C-13924, CLASS 4 (300 SERIES)

**NOTES:**

- 1) LETTERS AT THE END OF PART NUMBER DESIGNATE SPECIAL ASSEMBLIES:  
DL - ASSEMBLIES WITH DRI LUBE THREADS PER MIL-PRF-46010  
PL - ASSEMBLIES WITH PATCH LOCK PER MIL-DTL-18240
- 2) -2A THREADS PER ASME B1.1.
- 3) NO CODE REQUIRED FOR SLOTTED RECESS HEADS.
- 4) FOR LONGER LENGTHS "L", ADD .125 INCREMENTS PER LENGTH CODE.
- 5) SEE APPROPRIATE THREAD LENGTH AVAILABILITY TABLE FOR "T" DIMENSION.

INSTALLATION TOOLS: ( ) INDICATES THREAD SIZE CODE

ARBOR PRESS TOOL HW7600-( )

HAND TOOL: H8603-( ), INCLUDES  
NOSE PIECE HN7513-( ), PULLER HP7523-( ), AND  
HANDLE ASSEMBLY TA7533

DIMENSIONS IN INCHES

**R**

PER DCN 9351, CHANGED CODE TABLE SHEET 1,  
REVISED MATERIAL DESIGNATIONS, SHEET 2

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

DRAWN BY: J. SCHLOBOHM  
CHECKED BY: J. HEIN

ISSUED: 1/31/2005  
REVISED: 11/12/10  
PAGE: 2 of 2

CAPTIVE SCREW, OPTIONAL RECESS,  
LOCKING, THREAD LENGTH CONTROLLED,  
A-286/302 STUD MATERIAL OPTIONS

DCTL( )7900  
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