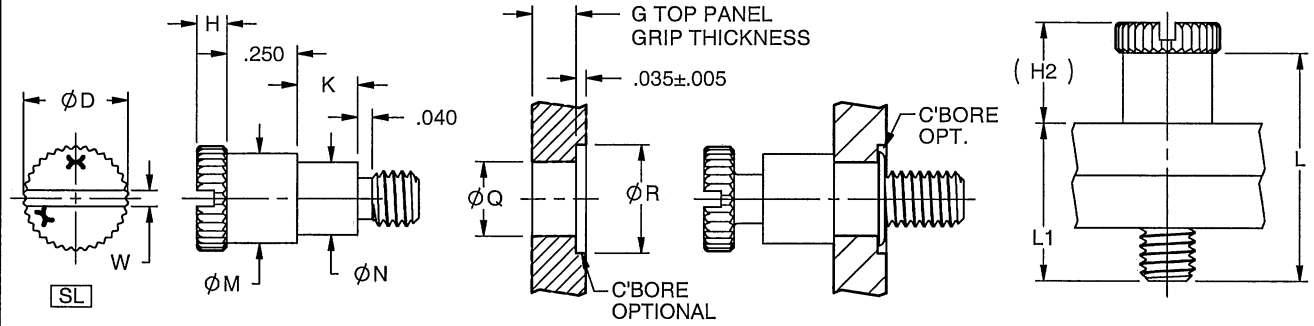


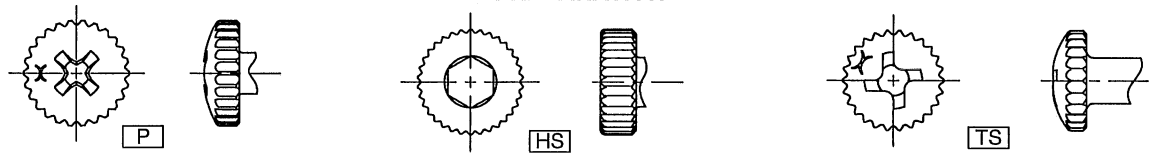
ORIGINAL  
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Original Copy

REV AC  
S-0248

DRAWING NO.



SCREW ASSEMBLY BEFORE MOUNTING      PANEL PREPARATION      SCREW ASSEMBLY AFTER MOUNTING



THREAD SIZE CODE	Ø D		H		(H2)			Ø M	Ø N ±.005	Ø Q +.004 - .001	Ø R +.020 - .000	W	DRIVER SIZE			
	HS	P, TS, SL	SL	HS	P, TS	SL	HS						P, TS	P	TS	HS
4, 4F, M3	.180	.219	.068	.110	.075	.318	.360	.325	.219	.178	.187	.281	.040	1	4	3/32
6, 6F, M3.5	.222	.265	.080	.136	.092	.330	.386	.342	.245	.202	.209	.312	.044	2	6	7/64
8, 8F, M4	.266	.314	.091	.161	.110	.341	.411	.360	.300	.215	.221	.343	.049	2	8	9/64
10, 10C, 10F, M5	.307	.365	.105	.187	.128	.355	.437	.378	.309	.250	.257	.375	.055	2	10	5/32
12, 12C, 12F, M6	.370	.492	.144	.247	.145	.394	.497	.419	.370	.313	.323	.437	.062	3	1/4	3/16

PART NUMBER STRUCTURE

DKN 7900 ( ) - ( ) - ( ) - ( )

MODEL  
SERIES

LENGTH CODE	L	L1
1	.540	.290
1.5	.602	.352
2	.665	.415
2.5	.727	.477
3	.790	.540
4	.915	.665
5	1.040	.790
6	1.165	.915
7	1.290	1.040

GRIP CODE	G	K ±.005	GRIP CODE	G	K ±.005
AA	.020-.042	.065	C	.126-.187	.210
A	.031-.062	.085	D	.188-.250	.272
BB	.031-.080	.105	E	.251-.312	.335
B	.063-.125	.147	F	.313-.375	.397

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

RECESS CODE	DRIVING RECESS/HEAD STYLE AND SPECIFICATION
	SLOT RECESS PER ANSI B18.6.3
HS	HEX SOCKET RECESS PER ANSI B18.3
P	CROSS RECESS PER NASM9006
TS	TORQUE-SET RECESS PER NASM33781

THIS DRAWING, THE STRUCTURAL DESIGN DISCLOSED THEREIN, THE TECHNICAL DATA AND ENGINEERING SERVICE REPRESENTED THEREBY ARE THE EXCLUSIVE PROPERTY OF HUCK INTERNATIONAL, INC.

AC	DCN 3761	11-09-05
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**      **Alcoa Fastening Systems**  
AEROSPACE FASTENER DIVISION  
3724 EAST COLUMBIA STREET  
TUCSON, ARIZONA 85714  
PHONE 520 519-7400  
FAX 520 519-7427  
www.huckaerospace.com

TITLE	
<b>CAPTIVE SCREW, KNURLED PAN HEAD, OPTIONAL RECESS, OPTIONAL SIZE</b>	
DATE 08/24/2004	PART NUMBER <b>DKN 7900</b>
DRAWN JLS	DRAWING NO. <b>S-0248</b>
CHECK <i>[Signature]</i>	CAGE CODE OHDW7      REV <b>AC</b>
APPROVE	SCALE: 1.5:1      SHEET 1 OF 2

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

REV **AC**

**S-0248**

DRAWING NO.

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AVAILABLE THREAD LENGTH & TOP PANEL COMBINATIONS

GRIP CODE	10C								
	1	1.5	2	2.5	3	4	5	6	7
AA									
A									
B	O								
C	O	O							
D	O	O	O						
E	O	O	O	O					
F	O	O	O	O	O				

GRIP CODE	12C								
	1	1.5	2	2.5	3	4	5	6	7
AA									
A									
B	O								
C	O	O							
D	O	O	O						
E	O	O	O	O					
F	O	O	O	O	O				

GRIP CODE	4, 4F, M3, 6, 6F, M3.5, 8, 8F, M4, 10, 10F, M5, 12, 12F, M6								
	1	1.5	2	2.5	3	4	5	6	7
AA									
A									
BB									
B									
C	O								
D	O	O							
E	O	O	O						
F	O	O	O	O					

- ASSEMBLIES NOT AVAILABLE
- FULLY RETRACTABLE (STUD WILL NOT PROTRUDE BELOW TOP PANEL IN RETRACTED POSITION)
- STUD WILL PROTRUDE BELOW MINIMUM TOP PANEL IN RETRACTED POSITION

MATERIAL:

STUD: HS, P, SLOT RECESS

SIZES 4, 4F, 6, 6F, M3, M3.5: ALLOY STEEL PER AMS 6300 (4037), H.T. TO HRC 34-38, OR AMS 6322 (8740)  
 SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C, M4, M5, M6: 302 CRES PER AMS 5636 OR ASTM-A-493

STUD: TS RECESS

ALL SIZES: A-286 CRES PER AMS 5737, H.T. TO 160 KSI MIN UTS

SLEEVES:

SIZES 4, 4F, 6, 6F, M3, M3.5: BRASS ALLOY PER AMS 4610 OR ASTM B16/B 16M  
 SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C, M4, M5, M6: 6061-T6 ALUM ALLOY PER AMS 4117 OR AMS QQ-A-225/8

FINISH:

STUD:

SIZES 4, 4F, 6, 6F, M3, M3.5: CAD PLATE PER AMS QQ-P-416, TYPE I, CLASS 2  
 SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C, M4, M5, M6: PASSIVATE PER AMS QQ-P-35.

SLEEVE:

SIZES 4, 4F, 6, 6F, M3, M3.5: CAD PLATE PER AMS QQ-P-416, TYPE I, CLASS 2  
 SIZES 8, 8F, 10, 10F, 10C, 12, 12F, 12C, M4, M5, M6: ANODIZE PER MIL-A-8625, TYPE II, CLASS 1 OR CHROMATE CONVERSION PER MIL-C-5541, CLASS 3

NOTES:

1. LENGTH CODE 1, 'L' DIM IS .590 ON SIZES 12 & 12C.
2. NO CODE REQUIRED FOR SLOTTED HEADS.
3. -2A THREADS PER FED-STD-H28; METRIC THREADS PER ANSI/ASME B1.13M.

INSTALLATION TOOLS: ( ) INDICATES THREAD SIZE CODE

ARBOR PRESS TOOL HW7600-( ), NOSE PIECE HN7513-( ), PULLER HP7523-( ), HANDLE ASSEMBLY TA7533  
 COMPLETE HANDLE TOOL ASSEMBLY: H8603-( ) INCLUDES NOSE PIECE, PULLER & HANDLE

AC	DCN 3761	11-09-05
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 <b>CAPTIVE SCREW, KNURLED PAN HEAD, OPTIONAL RECESS, OPTIONAL SIZE</b>		
DATE 08/24/2004	PART NUMBER <b>DKN 7900</b>	
DRAWN JLS	DRAWING NO. <b>S-0248</b>	
CHECK <input checked="" type="checkbox"/>	CAGE CODE 0HDW7	REV <b>AC</b>
APPROVE	SCALE: 2:1	SHEET 2 OF 2