N

HUCK INTERNATIONAL

Ю

ARE THE EXCLUSIVE PROPERTY

SERVICE REPRESENTED THEREBY

DATA AND

DISCLOSED THEREIN AND THE TECHNICAL

THE STRUCTURAL DESIGN

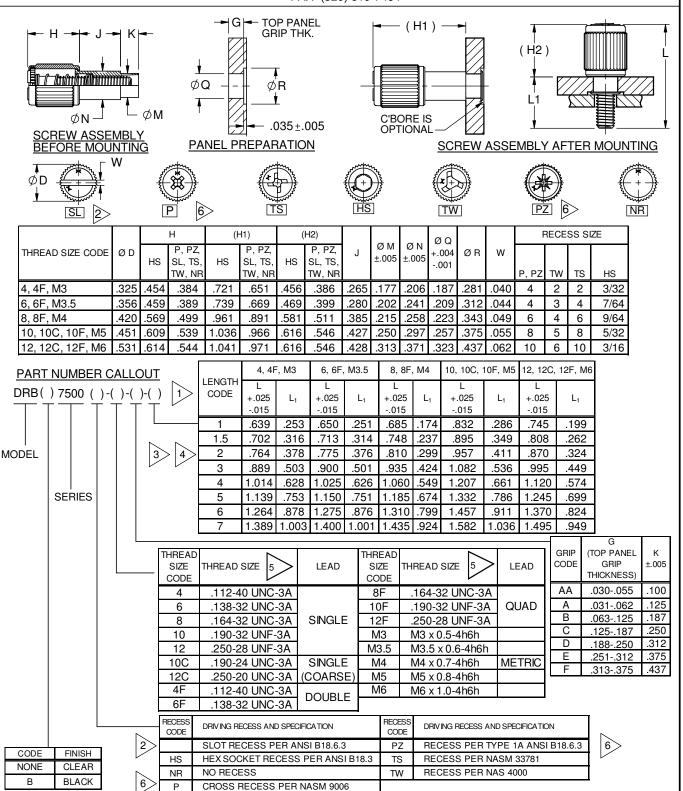
Alcoa Fastening Systems & Rings



CURRENT DESIGN ACTIVITY CAGE CODE 0HDW7 AFSR TUCSON OPERATIONS 3724 EAST COLUMBIA STREET TUCSON, ARIZONA 85714 PHONE (520) 519-7400 FAX (520) 519-7454

TURN-LOC®

ENGINEERING STANDARD



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

ISSUED 9/10/2004 REVISED 3/31/2015 PAGE 1 OF 2

TURN-LOC®, HIGH PROFILE, OPTIONAL RECESS

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

DIMENSIONS IN INCHES

DRAWN BY J. SCHLOBOHM

CHECKED BY SIGNATURE ON FILE

DRB7500

S-0436

INTERNATIONAL

Ю

PROPERTY

ARE THE EXCLUSIVE

SERVICE REPRESENTED THEREBY

DATA AND ENGINEERING

DISCLOSED THEREIN AND THE TECHNICAL

THE STRUCTURAL DESIGN

Alcoa **Fastening** Systems & Rings



CURRENT DESIGN ACTIVITY CAGE CODE 0HDW7 AFSR TUCSON OPERATIONS 3724 EAST COLUMBIA STREET TUCSON, ARIZONA 85714 PHONE (520) 519-7400

TURN-LOC® *ENGINEERING* STANDADD

															FA.	X (:	520) 51	19-7	454	 						_				_		_		
															A	VAILA	ABILIT	ry t <i>i</i>	ABLE																
GRIP CODE	4, 4F, M3							6, 6F, M3.5							8, 8F, M4							10, 10C, 10F, M5							12, 12C, 12F, M6						
OODL	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
AA																																			
Α															0														0						
В															0														0						
O	0							0							0	0						0							0	0					
D	0							0							0	0						0							0	0					
Е	0	0						0	0						0	0	0					0	0						0	0	0				
F	0	0	0					0	0						0	0	0					0	0						0	0	0				
	0		SEME						S																										

[0	ASSEMBLIES NOT AVAILABLE
Ī		FULLY RETRACTABLE ASSEMBLIES
ſ		ASSEMBLIES NOT FULLY RETRACTABLE (STUD WILL PROTRUDE BELOW MINIMUM TOP PANEL THICKNESS

MATERIAL

STUD: HS, NR, P, PZ, & SLOT RECESSES

ALL SIZES - 302 CRES PER ASTM-A-493 OR AMS 5636

STUD: TS & TW RECESSES

ALL SIZES - A-286 CRES PER AMS 5732 OR AMS 5737, HEAT TREAT TO 160 KSI MIN.

ULTIMATE TENSILE STRENGTH

KNOB & SLEEVE: 6061 ALUMINUM ALLOY PER AMS QQ-A-225/8, OR AMS 4117, OR EQUIVALENT

SPRING: 302 CRES PER ASTM-A-313 OR AMS 5688

FINISH

NONE: STUD & SPRING: PASSIVATE PER AMS2700

KNOB & SLEEVE: ANODIZE PER MIL-A-8625, TYPE H, CLASS I

B: STUD: BLACK OXIDE PER MIL-DTL-13924, CLASS 4 (300 SERIES) BLACK OXIDE PER MIL-DTL-13924, CLASS 3 (A-286)

KNOB: BLACK ANODIZE PER MIL-A-8625, TYPE I I, CLASS 2

SLEEVE: ANODIZE PER MIL-A-8625, TYPE I I, CLASS I (CLEAR)

SPRING: PASSIVATE PER AMS2700

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> NO CODE REQUIRED FOR SLOTTED HEADS

3> WHEN USING THE HEX SOCKET CONFIGURATION, ADD .070 TO "L" LENGTH.

4> FOR LONGER LENGTHS, ADD .125 INCREMENTS PER LENGTH CODE

-3A THREADS PER ASME B1.1. "M" THREADS PER ASME B1.13M.

6> RECESS IS ONE SIZE SMALLER THAN NOMINAL SIZE REQUIRED FOR 100° FLAT HEAD.

COMPONENTS ARE FINISHED PRIOR TO THE ASSEMBLY PROCESS. DISCOLORATION OF THE BLACK ANODIZE MAY OCCUR ON THE CRIMPED PORTION OF THE KNOB DURING ASSEMBLY. A HIGH-ADHESION BLACK PAINT IS PERMITTED FOR TOUCH-UP AFTER ASSEMBLY.

8> MAY BE USED WITH .020 DEEP C'BORE.

INSTALLATION TOOLS: () INDICATES THREAD SIZE CODE

ARBOR PRESS TOOL HW7600-(), REMOVAL ADAPTER TOOL FNR7505-(), NOSE PIECE HN7513-(), PULLER HP7523-(), HANDLE ASSEMBLY TA7533; COMPLETE HAND TOOL ASS'Y: H8603-() (INCLUDES NOSE PIECE, PULLER & HANDLE)

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

ISSUED 9/10/2004 REVISED 3/31/2015 2 OF 2 PAGE

TURN-LOC®, HIGH PROFILE, **OPTIONAL RECESS**

TOI FRANCE LINI ESS OTHERWISE NOTED: .X = ±.05 .XX = ±.02 .XXX = ±.015 ANGLES ±0.5° DIMENSIONS IN INCHES

J. SCHLOBOHM CHECKED BY SIGNATURE ON FILE **DRB7500** S-0436