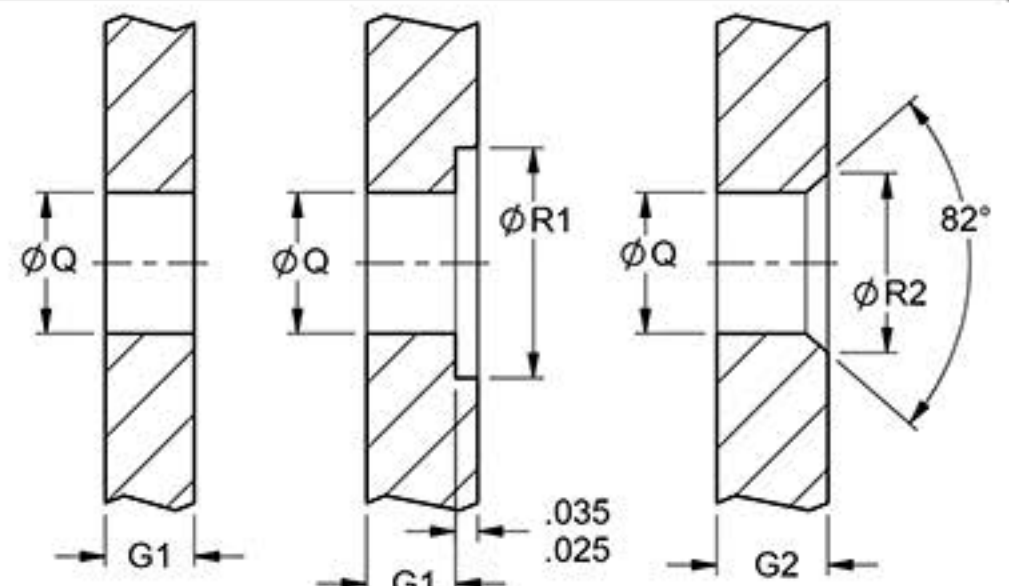
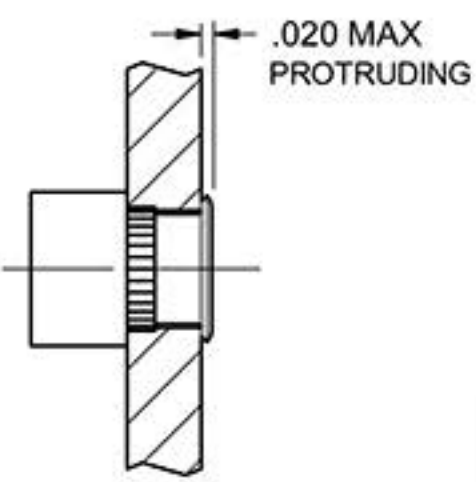


NUT BEFORE MOUNTING

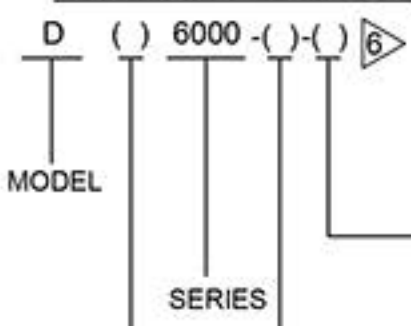


PANEL PREPARATION



NUT AFTER MOUNTING

PART NUMBER CALLOUT



THREAD SIZE CODE	ϕD	$\phi M \pm .005$	$\phi N \pm .005$	ϕQ		$\phi R1 + .020 - .000$	$\phi R2 \pm .005$	X
				SOFT	HARD			
04, 04F	.250	.178	.045	.187	.191	.312	.250	.156
06, 06F	.281	.202		.213	.218	.332	.270	
08, 08F	.312	.215		.228	.234	.348	.281	
3, 3C, 3F	.375	.250		.265	.272	.375	.330	
4, 4C, 4F	.437	.313	.050	.323	.332	.437	.380	.187
5, 5C	.625	.441		.446	.446	.625	.500	
6, 6C	.687	.503		.508	.508	.672	.562	

GRIP CODE	G1	G2	K	GRIP CODE	G1	G2	K
AA	.030 - .049	.040 - .074	.070	E	.251 - .312	.324 - .354	.350
A	.050 - .062	.075 - .104	.100	FF	N/A	.355 - .385	.381
BB	N/A	.105 - .135	.131	F	.313 - .375	.386 - .416	.412
B	.063 - .125	.136 - .166	.162	GG	N/A	.417 - .448	.444
CC	N/A	.167 - .198	.194	G	.376 - .438	.449 - .479	.475
C	.126 - .187	.199 - .229	.225	HH	N/A	.480 - .510	.506
DD	N/A	.230 - .260	.256	H	.439 - .500	.511 - .541	.537
D	.188 - .250	.261 - .291	.287	JJ	N/A	.542 - .572	.568
EE	N/A	.292 - .323	.319	J	.501 - .562	.573 - .603	.599

THREAD SIZE CODE	THREAD SIZE	LEAD	THREAD SIZE CODE	THREAD SIZE	LEAD
04	.112-40 UNC-2B	SINGLE	5C	.312-18 UNC-2B	SINGLE
06	.138-32 UNC-2B		6	.375-24 UNF-2B	
08	.164-32 UNC-2B		6C	.375-16 UNC-2B	
3	.190-32 UNF-2B	SINGLE	04F	.112-40 UNC-2B	DOUBLE
3C	.190-24 UNC-2B		06F	.138-32 UNC-2B	
4	.250-28 UNF-2B		08F	.164-32 UNC-2B	
4C	.250-20 UNC-2B	SINGLE	3F	.190-32 UNF-2B	QUAD
5	.312-24 UNF-2B		4F	.250-28 UNF-2B	

MATL CODE	FINISH
NONE	PASSIVATE
SL	LUBRICANT

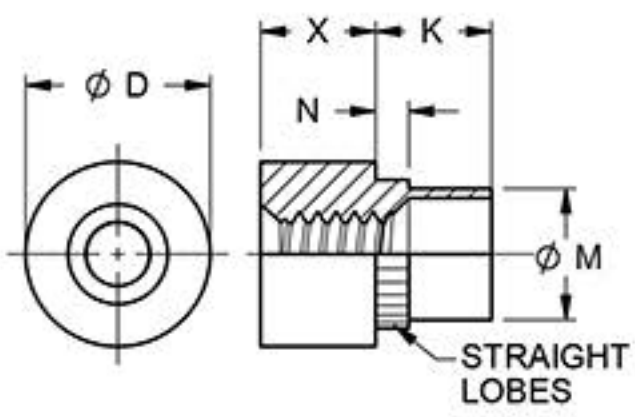
U	DCN 2782	12-08-04
REV	DESCRIPTION/EC NO.	DATE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES
TOLERANCE UNLESS OTHERWISE NOTED:
X = $\pm .05$ ANGLES $\pm 0.5^\circ$
XX = $\pm .02$
XXX = $\pm .015$

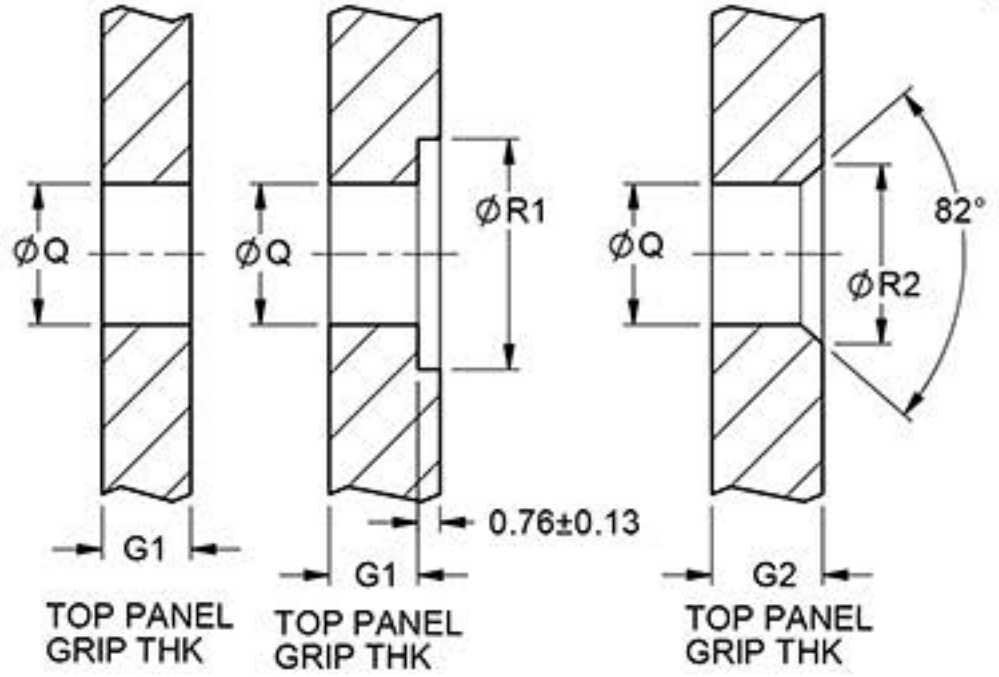
Alcoa Fastening Systems
ALCOA
AEROSPACE FASTENER DIVISION
3724 EAST COLUMBIA STREET
TUCSON, ARIZONA 85714
PHONE 520 519-7400
FAX 520 519-7427
www.alcoafasteners.com

FIXED FLARING NUT, NON-LOCKING, ALL SIZES, STANDARD

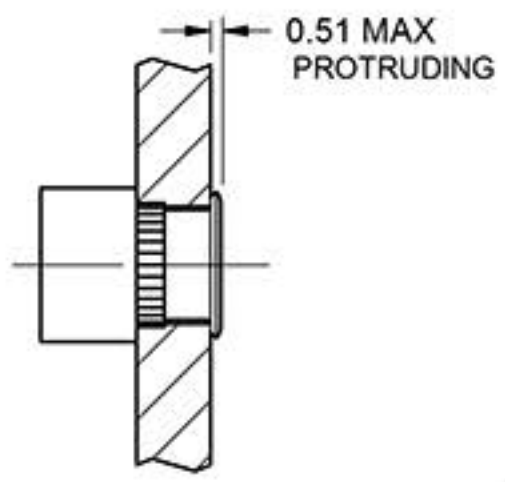
DATE	12/08/2004	PART NUMBER	D () 6000
DRAWN	JLS	DRAWING NO.	S-0208
CHECK		CAGE CODE	OHDW7
APPROVE		REV	U
SCALE: 3:1		SHEET 1 OF 3	



NUT BEFORE MOUNTING

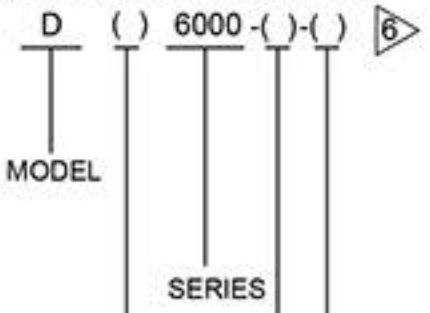


PANEL PREPARATION



NUT AFTER MOUNTING

PART NUMBER CALLOUT



THREAD SIZE CODE	Ø D	Ø M ± 0.13	Ø N ± 0.13	Ø Q		Ø R1 +0.51 -0.00	Ø R2 ± 0.13	X
				SOFT	HARD			
M2, M2.5	5.29	3.77	1.14	3.97	4.04	6.61	6.35	3.30
M3	6.35	4.52		4.76	4.85	7.93	6.86	3.96
M3.5	7.14	5.13		5.41	5.55	8.43	7.14	
M4	7.93	5.46		5.79	5.95	8.83	8.38	
M5	9.52	6.35	1.27	6.90	7.04	9.52	9.65	4.76
M6	11.11	7.95		8.20	8.43	11.11	12.70	
M8	12.45	11.20		11.10	N/A	13.49	14.27	11.89

GRIP CODE	G1	G2	K	GRIP CODE	G1	G2	K
AA	0.76 - 1.24	1.02 - 1.88	1.78	E	6.36 - 7.92	8.21 - 8.99	8.89
A	1.25 - 1.57	1.89 - 2.64	2.54	FF	N/A	9.00 - 9.78	9.68
BB	N/A	2.65 - 3.43	3.33	F	7.93 - 9.53	9.79 - 10.57	10.46
B	1.58 - 3.18	3.44 - 4.22	4.11	GG	N/A	10.58 - 11.38	11.28
CC	N/A	4.23 - 5.03	4.93	G	9.54 - 11.13	11.39 - 12.17	12.07
C	3.19 - 4.75	5.04 - 5.82	5.72	HH	N/A	12.18 - 12.95	12.85
DD	N/A	5.83 - 6.60	6.50	H	11.14 - 12.70	12.96 - 13.74	13.64
D	4.76 - 6.35	6.61 - 7.39	7.29	JJ	N/A	13.75 - 14.53	14.43
EE	N/A	7.40 - 8.20	8.11	J	12.71 - 14.27	14.54 - 15.32	15.21

THREAD SIZE CODE	THREAD SIZE	LEAD	THREAD SIZE CODE	THREAD SIZE	LEAD
M2	M2 x 0.4-6G	METRIC	M4	M4 x 0.7-6G	METRIC
M2.5	M2.5 x 0.45-6G		M5	M5 x 0.8-6G	
M3	M3 x 0.5-6G		M6	M6 x 1.0-6G	
M3.5	M3.5 x 0.6-6G		M8	M8 x 1.25-6G	

MATL CODE	FINISH
NONE	PASSIVATE
SL	LUBRICANT

U	DCN 2782	12-08-04
REV	DESCRIPTION/EC NO.	DATE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETERS
 TOLERANCE UNLESS OTHERWISE NOTED:
 X = ±1.3 ANGLES ±0°30'
 XX = ±0.55
 XXX = ±0.4

Alcoa Fastening Systems
 ALCOA
 AEROSPACE FASTENER DIVISION
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 FAX 520 519-7427
 www.alcoafasteners.com

TITLE FIXED FLARING NUT, NON-LOCKING, ALL SIZES, METRIC	
DATE 12/08/2004	PART NUMBER D()6000
DRAWN JLS	DRAWING NO. S-0208
CHECK	CAGE CODE 0HDW7
APPROVE	REV U
SCALE: 3:1 SHEET 2 OF 3	

MATERIAL:

D & DSL 6000: 304 CRES PER AMS 5639 OR AMS-QQ-S-763

FINISH CODE:

D 6000: PASSIVATE PER AMS QQ-P-35

DSL 6000: DRI-FILM LUBRICANT PER MIL-PRF-46010

NOTES:

- 1 "N" DIMENSION FOR GRIP CODE "AA" IS .025 INCHES OR 0.64mm.
- 2 GRIP CODE "AA" IS AVAILABLE ONLY FOR THESE SIZES:
INCHES: 04 THRU 4; METRIC: M3 THRU M6
- 3 SOFT - DIMENSION FOR SOFT ALUMINUM ALLOYS & PLASTICS
- 4 HARD - DIMENSION FOR HARD ALUMINUM ALLOYS & STEEL
- 5 "BB", "CC", ETC. IS FOR COUNTERSINK ONLY.
- 6 IF HEIGHT OTHER THAN STANDARD IS DESIRED, INDICATE AFTER PART NO.:
INCHES: (3 DECIMAL PLACES) I.E. D 6000-04-B-.632
METRIC: (2 DECIMAL PLACES) I.E. D 6000-04-B-16.05
- 7 ALL TOOLS ARE AVAILABLE ONLY FOR THESE SIZES:
INCHES: 04 THRU 4; METRIC: M3 THRU M6
- 8 -2B THREADS PER FED-STD-H2B; "M" THREADS PER ANSI/ASME B1.13M.
- 9 GRIP CODE.
- 10 THREAD SIZE CODE.
- 11 FOR INSTALLATION TOOL DESIGNATIONS: "B" IS FOR COUNTERBORE & "S" IS FOR COUNTERSINK.
- 12 THREAD DIMENSIONS APPLY PRIOR TO APPLICATION OF DRI-FILM LUBRICANT. POSSIBLE THREAD TIGHTNESS DUE TO LUBE BUILDUP WILL DIMINISH FOLLOWING ENGAGEMENT OF MATING PART.

INSTALLATION TOOLS:

ARBOR PRESS TOOL KNS6559 (11)-(10)

PNEUMATIC TOOL: 1

NFT7503 (11)-(10)

HAND INSTALLATION TOOLS: 9

NOSE PIECE DADB5613-(11)-(10)

PULLER DT1710-(11)-(10)

HANDLE ASSEMBLY TA7533

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U	DCN 2782	12-08-04
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		FIXED FLARING NUT, NON-LOCKING, ALL SIZES, STANDARD & METRIC	
DATE	12/08/2004	PART NUMBER	D()6000
DRAWN	JLS	DRAWING NO.	S-0208
CHECK		CAGE CODE	OHDW7
APPROVE		REV	U
SCALE: 1:1		SHEET 3 OF 3	