

de HAVILLAND

CAGE CODE 71867

CSP STANDARDSHEET **1**REV. **C****INDEX**

PART No.	SHEET	PART No.	SHEET
CSP316A1-4	5	CSP316D2-6	26
CSP316A1-4W	5	CSP316D2-6W	26
CSP316A2-4	6	CSP316D3-6	13
CSP316A2-4W	6	CSP316D3-6W	13
CSP316B1-4	25	CSP316D3-7	14
CSP316B2-5	7	CSP316D3-7W	14
CSP316B2-5W	7	CSP316D4-6	32
CSP316B3-4	27	CSP316D4-6W	32
CSP316B3-4W	27	CSP316D4-6T	33
CSP316C1-4	28	CSP316D4-7	35
CSP316C1-4W	28	CSP316D4-7W	35
CSP316C2-4	23	CSP316 E2-5	15
CSP316C2-4W	23	CSP316E2-6	16
CSP316C2-5	8	CSP316E3-6	17
CSP316C2-5W	8	CSP316E3-8	22
CSP316C2-6	9	CSP316F3-6	18
CSP316C2-6W	9	CSP316F4-8	19
CSP316C3-5	20	CSP316F5-8	34
CSP316C3-5W	20	CSP316G2-6	30
CSP316C3 -5T	31	CSP316G3-6	24
CSP316C3-5TW	31	CSP316G4-6	29
CSP316C3-6	10	CSP316K4-6	21
CSP316C3-6W	10		
CSP316C4-5	11		
CSP316C4-5W	11		
CSP316C5-6	12		

LIST OF CURRENT SHEETS

SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
REVISION	C	B	C	N	D	C	C	C	C	D	C	C	C	D	C	C	C	C
SHEET	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
REVISION	C	C	C	C	D	C	D	C	C	D	C	C	B	B	B	B	A	

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN D. LINTS

CHECKED RRK

STRESS RADZINS

APPROVED SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING****CSP 316**DATE: **4 AUG 97**SHT 10 WAS REV C
4 AUG 97 - B. McDONALD**C**

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

de HAVILLAND

CAGE CODE 71867

CSP STANDARD

SHEET **2**

REV. **B**

PART NUMBER CODING BREAKDOWN

CSP316 C3()-5 T W

WIRE LOCKING HOLE

W - HOLE FOR WIRE LOCKING (SEE NOTE)

(NO CODE) NO WIRE LOCKING PROVISION

SPECIAL

T - SPECIAL END FITTING CONFIGURATION (SEE NOTE)

(NO CODE) STANDARD CONFIGURATION

THREAD SIZE

REFER TO TABLE No. 2

MATERIAL - SPECIFICATION - FINISH

S - STEEL - REF. TABLE No. 3 (SEE NOTE)

(NO CODE) - ALUMINUM ALLOY - REF. TABLE No. 3

TUBE SIZE (DIAMETER and WALL THICKNESS)

REFER TO TABLE No. 1

BASIC PART NUMBER

NOTE: NOT STANDARD PRACTICE

PART NUMBER EXAMPLE:

CSP316C3-5TW

- MAGNEFORM END FITTING - ALUMINUM TUBE

- TUBE - O.D. - 3/4" - WALL THICKNESS - .049"

- FITTING MATERIAL - ALUMINUM

- THREAD SIZE - 5/16 -24 UNF 3B R/H

- EXTENDED LENGTH TYPE FITTING

- WIRE LOCKING HOLE

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: **18 DEC 96**

REDRAWN
SHT 2 WAS SHT 1
18 DEC 96 - B. McDONALD

B

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 3

REV. C

Table 1: TUBE SIZE DESIGNATION

DESIGNATION NUMBER	TUBE		MAX. PERMISSIBLE THREAD SIZE FOR GIVEN TUBE O.D.
	OUTSIDE DIA. (O.D.)	WALL THICKNESS	
A1	1/2	.028	1/4 - 28
A2		.035	
B1	5/8	.028	5/16 - 24
B2		.035	
B3		.049	1/4 - 28
C1	3/4	.028	7/16 - 20
C2		.035	
C3		.049	3/8 - 24
C4		.065	5/16 - 24
C5		.058	
D1	7/8	.028	1/2 - 20
D2		.035	
D3		.049	7/16 - 20
D4		.065	3/8 - 24
E1	1	.028	5/8 - 18
E2		.035	
E3		.049	1/2 - 20
E4		.065	7/16 - 20
F1	1 1/8	.028	5/8 - 18
F2		.035	
F3		.049	
F4		.065	1/2 - 20
F5		.083	
G1	1 1/4	.028	
G2		.035	
G3		.049	
G4		.058	
G5		.065	
K1	1 5/8	.028	
K2		.035	
K3		.049	
K4		.058	
K5		.065	

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
SHT 3 WAS SHT 2
18 DEC 96 - B. McDONALD

C

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

REDRAWN
SHT 4 WAS SHT 3
18 DEC 96 - B. McDONALD



de HAVILLAND

CAGE CODE 71867

CSP STANDARD

SHEET **4**

REV. **N**

Table 2: THREAD SIZE DASH NUMBER

THREAD SIZE DASH NUMBER		THREAD SIZE UNF - 3B
RH	LH	
-3	-3L	No. 10 - 32
-4	-4L	1/4 - 28
-5	-5L	5/16 - 24
-6	-6L	3/8 - 24
-7	-7L	7/16 - 20
-8	-8L	1/2 - 20
-10	-10L	5/8 - 18

Table 3: MATERIAL, SPECIFICATION & FINISH

SUFFIX LETTER	MATERIAL	SPECIFICATION	FINISH
NONE	ALUMINUM ALLOY 7075 - T7351	QQ A 225/9	A1
S	STEEL - TBA	TBA	TBA

REQUIREMENTS FOR MANUFACTURE - UNLESS OTHERWISE SPECIFIED

GENERAL: 1. ALL DIMENSIONS IN INCHES

2. SURFACE ROUGHNESS - 125 $\sqrt{\text{MAX}}$
3. BREAK SHARP EDGES .015 INCHES
4. EDGE FINISHING OF ALUMINUM PARTS IN ACCORDANCE WITH PPS 27.02
5. EDGE FINISHING OF STEEL PARTS IN ACCORDANCE WITH PPS 27.10
6. THREADS IN ACCORDANCE WITH MIL-S-7742

LIMITS:

1. DECIMALS - 1 PLACE $\pm .1$
2 PLACE $\pm .03$
3 PLACE $\pm .010$
2. DIMENSIONS AND TOLERANCES APPLY AFTER PLATING
3. ANGLES $\pm 0^\circ - 30^\circ$

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: **18 DEC 96**

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

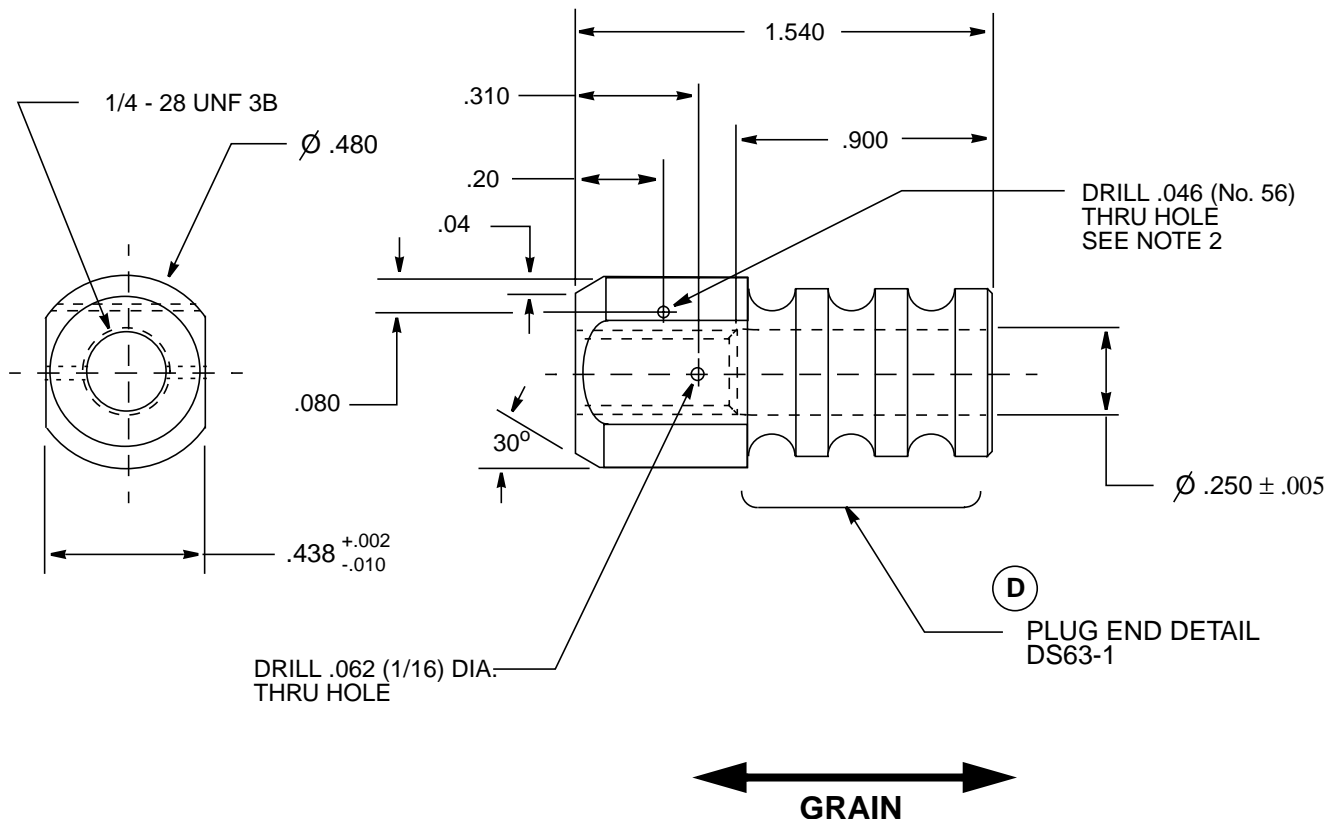
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET **5**

REV. **D**

NOT TO SCALE



CSP316A1-4
CSP316A1-4W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS.
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING

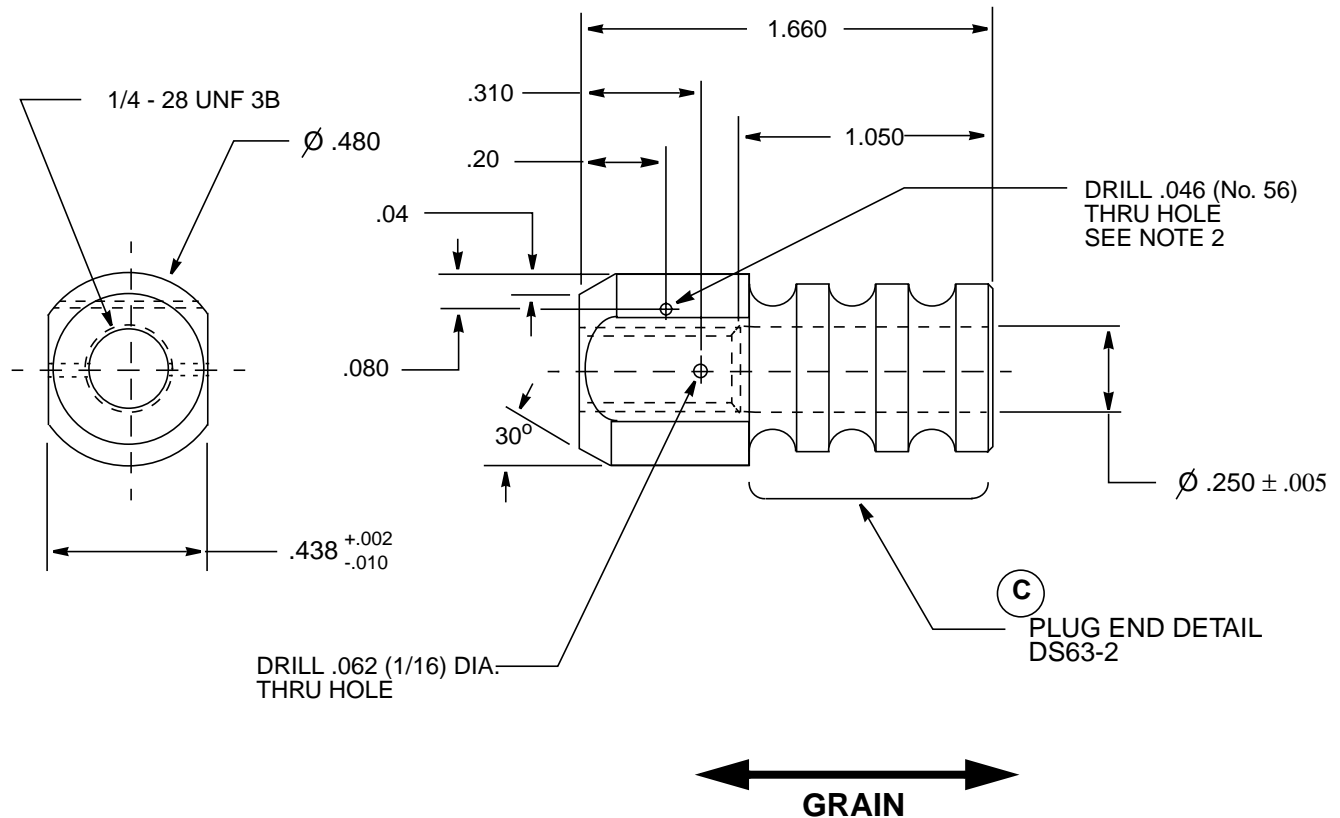
CSP 316

DATE: **18 DEC 96**

D REDRAWN - REFERENCE TO DS63-1 ADDED
18 DEC 96 - B. McDONALD

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

NOT TO SCALE



CSP316A2-4
© CSP316A2-4W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS.
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS	FITTING, END, CONNECTING ROD, MAGNEFORM, ALUMINUM TUBING	CSP 316
CHECKED	RRK		
STRESS	RADZINS		DATE: 18 DEC 96
APPROVED	SCHRATTNER		

REDRAWN - CSP316A2-4W ADDED
REF TO DS63-2 ADDED
B. McDONALD - 18 DEC 96



THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

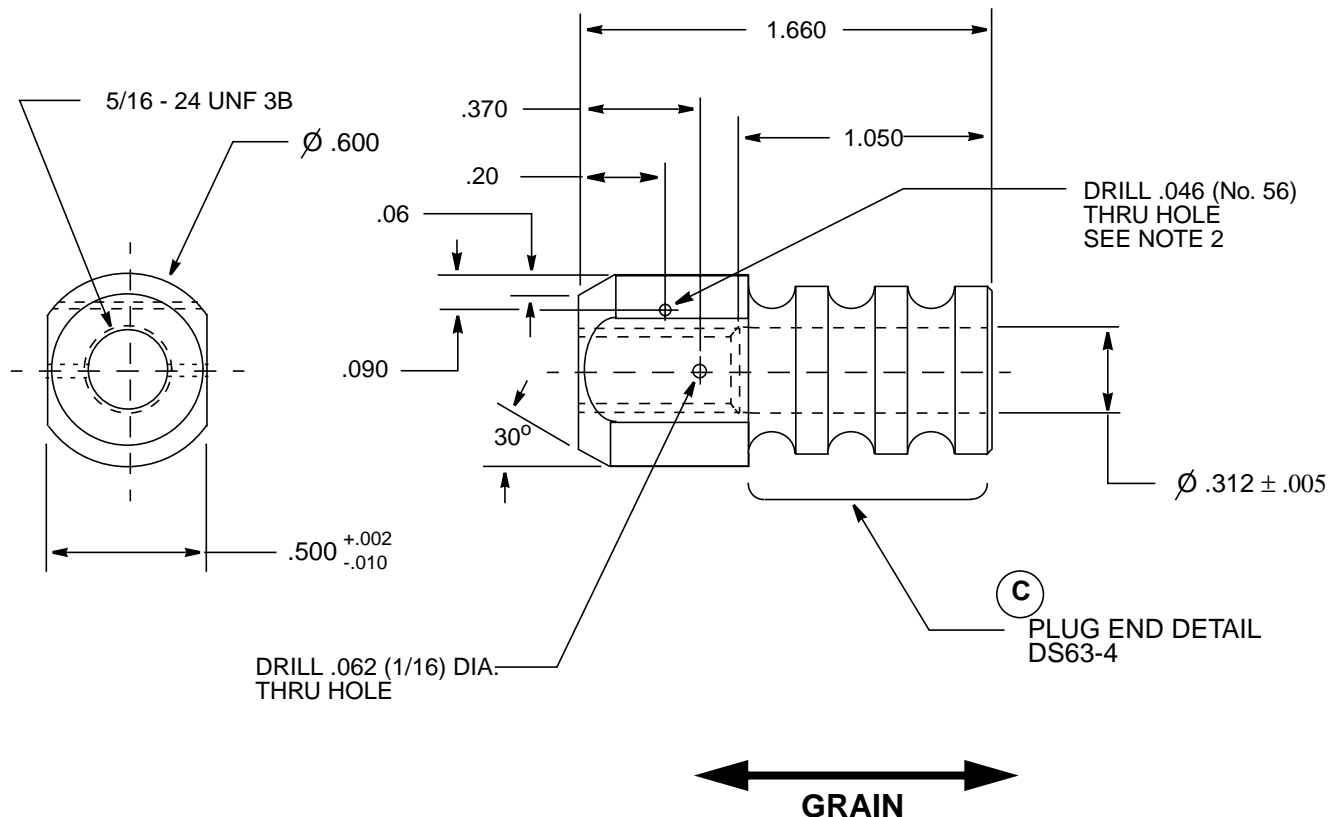
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 7

REV. C

NOT TO SCALE



CSP316B2-5
CSP316B2-5W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS.
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-4 ADDED
B. McDONALD - 18 DEC 96

C

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

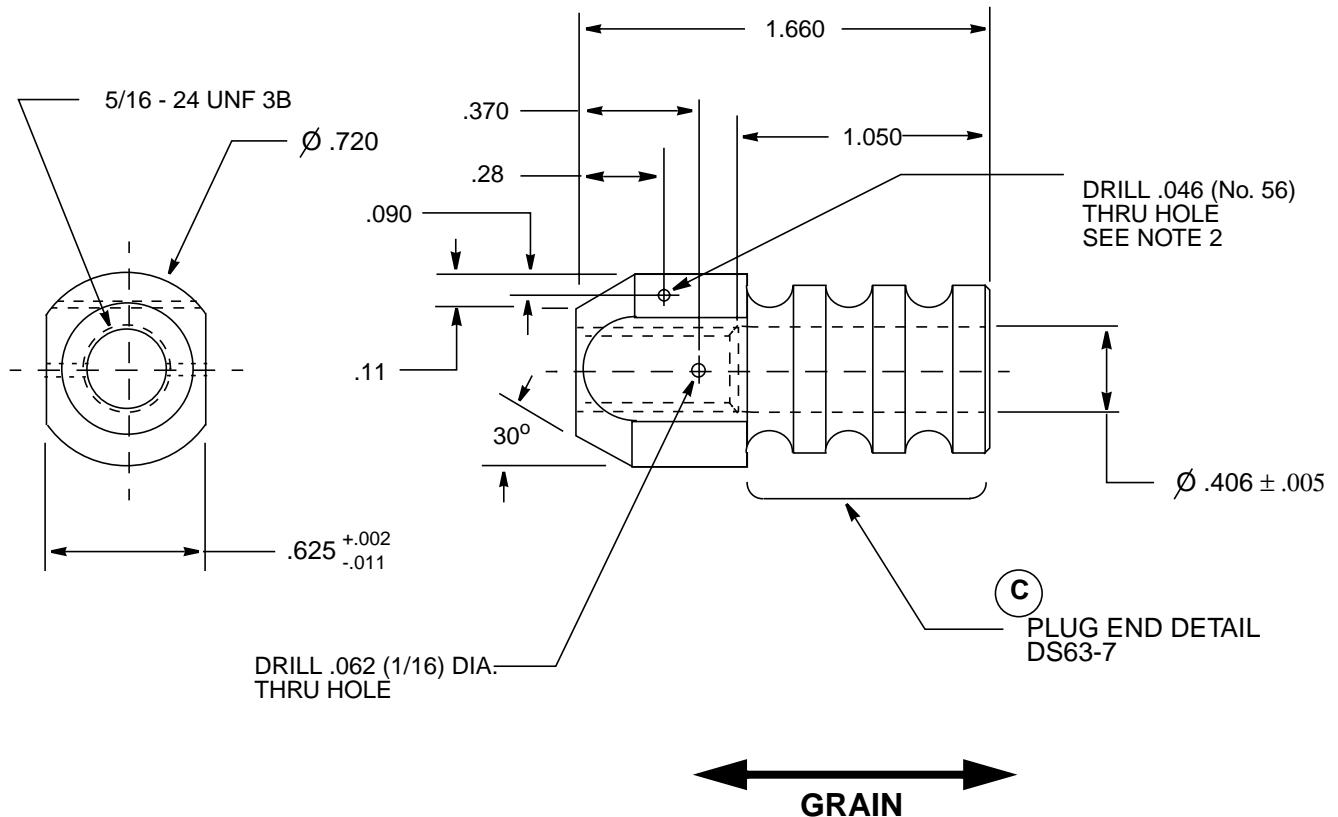
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 8

REV. C

NOT TO SCALE



(C) CSP316C2-5
CSP316C2-5W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS.
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN - CSP316C2-5W ADDED
REF TO DS63-7 ADDED
B. McDONALD - 18 DEC 96

(C)

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

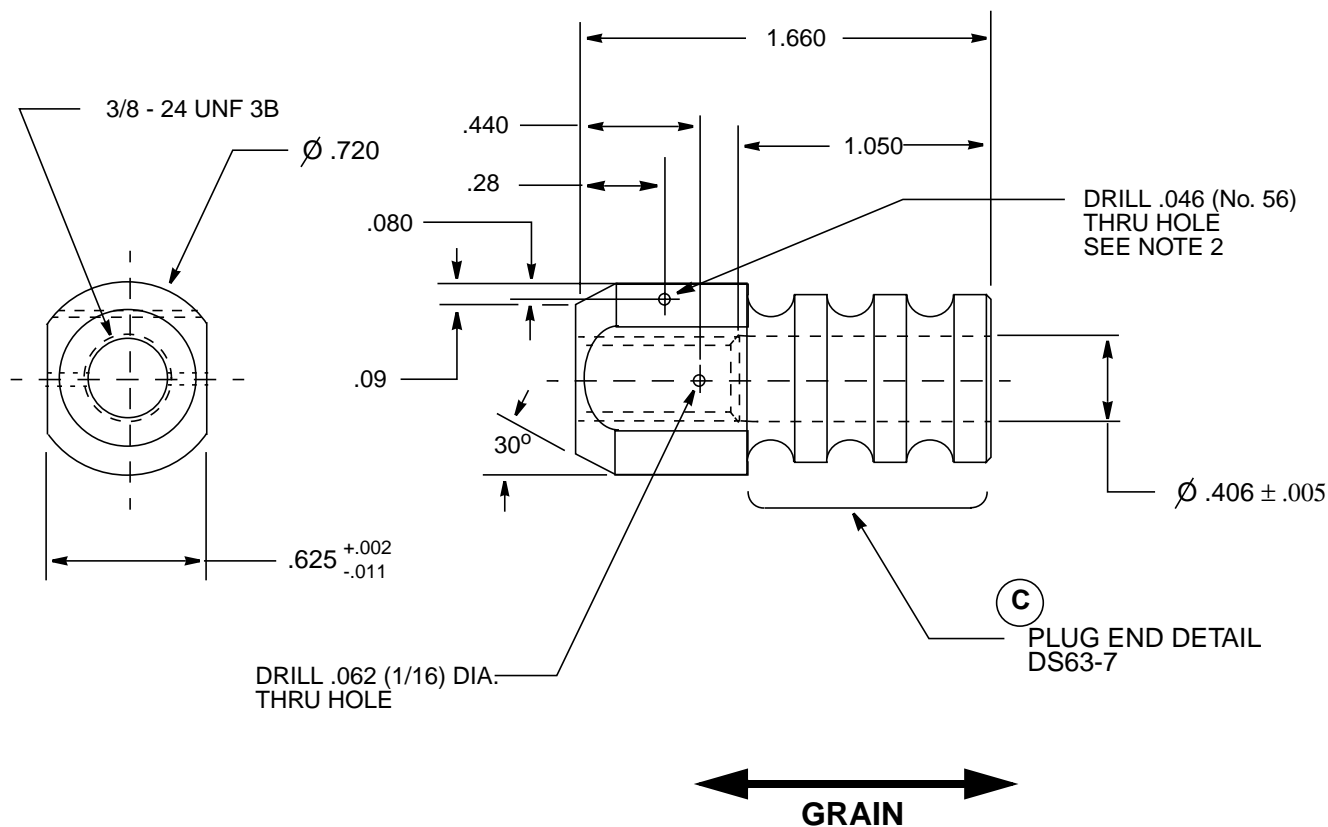
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 9

REV. C

NOT TO SCALE



© CSP316C2-6
CSP316C2-6W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS.
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

© REDRAWN - CSP316C2-6W ADDED
REF TO DS63-7 ADDED
B. McDONALD - 18 DEC 96

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

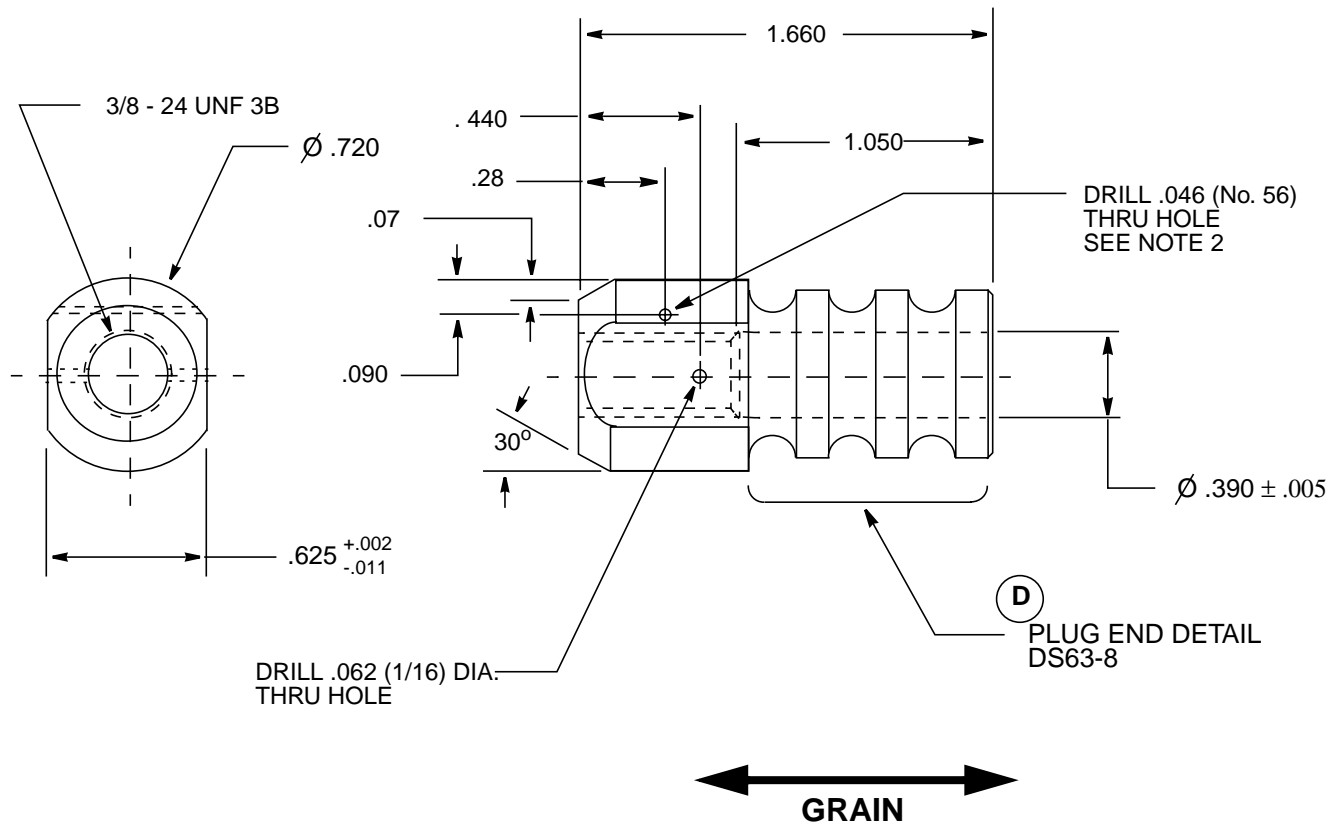
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 10

REV. D

NOT TO SCALE



CSP316C3-6
CSP316C3-6W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS.
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 4 AUG 97

DS63-8 WAS DS63-4
B. McDONALD - 4 AUG 97

D

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

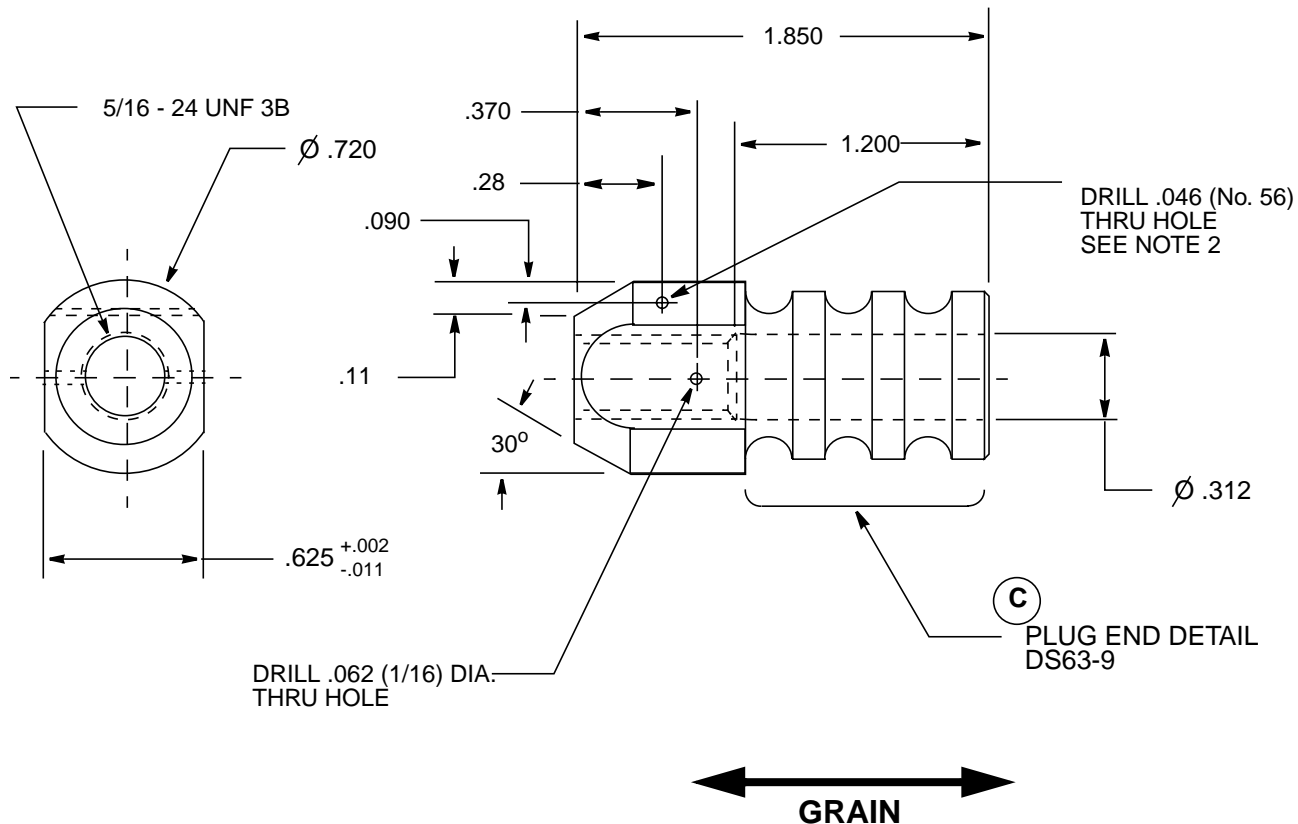
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 11

REV. C

NOT TO SCALE



CSP316C4-5
CSP316C4-5W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-9 ADDED
B. McDONALD - 18 DEC 96

(C)

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

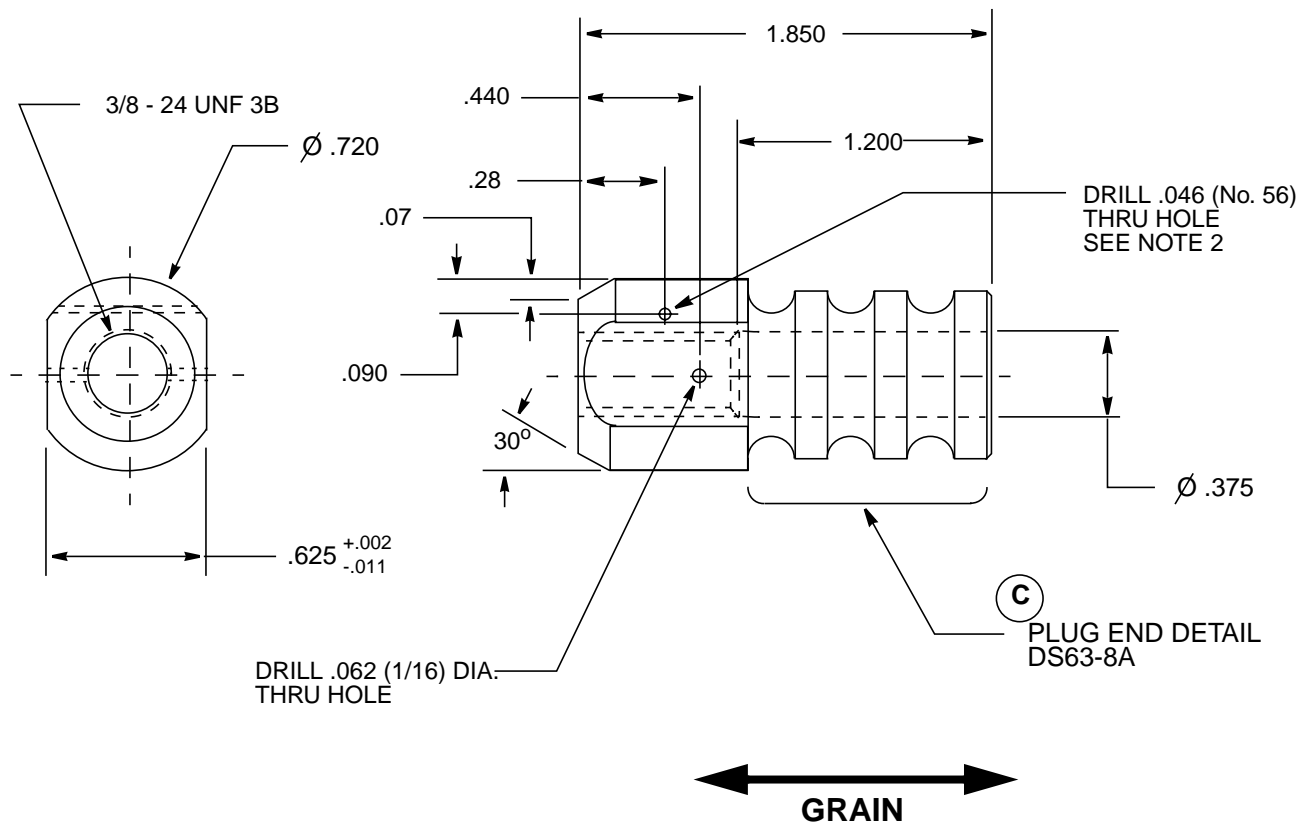
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 12

REV. C

NOT TO SCALE



CSP316C5-6
CSP316C5-6W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING

CSP 316

DATE: 18 DEC 96

REDRAWN - CSP316 B2-5W ADDED
REF TO DS63-4 ADDED
B. McDONALD - 18 DEC 96

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

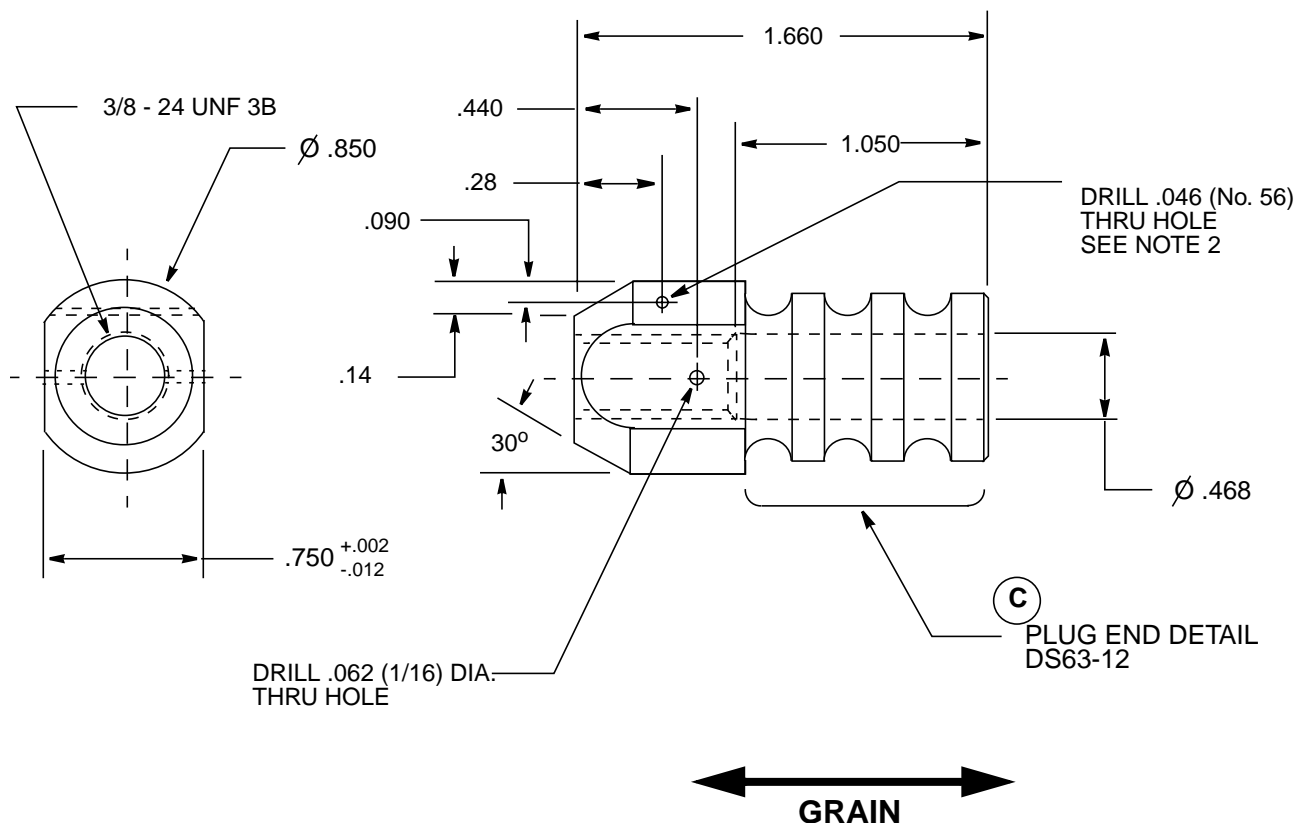
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 13

REV. C

NOT TO SCALE



(C) CSP316D3-6
CSP316D3-6W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

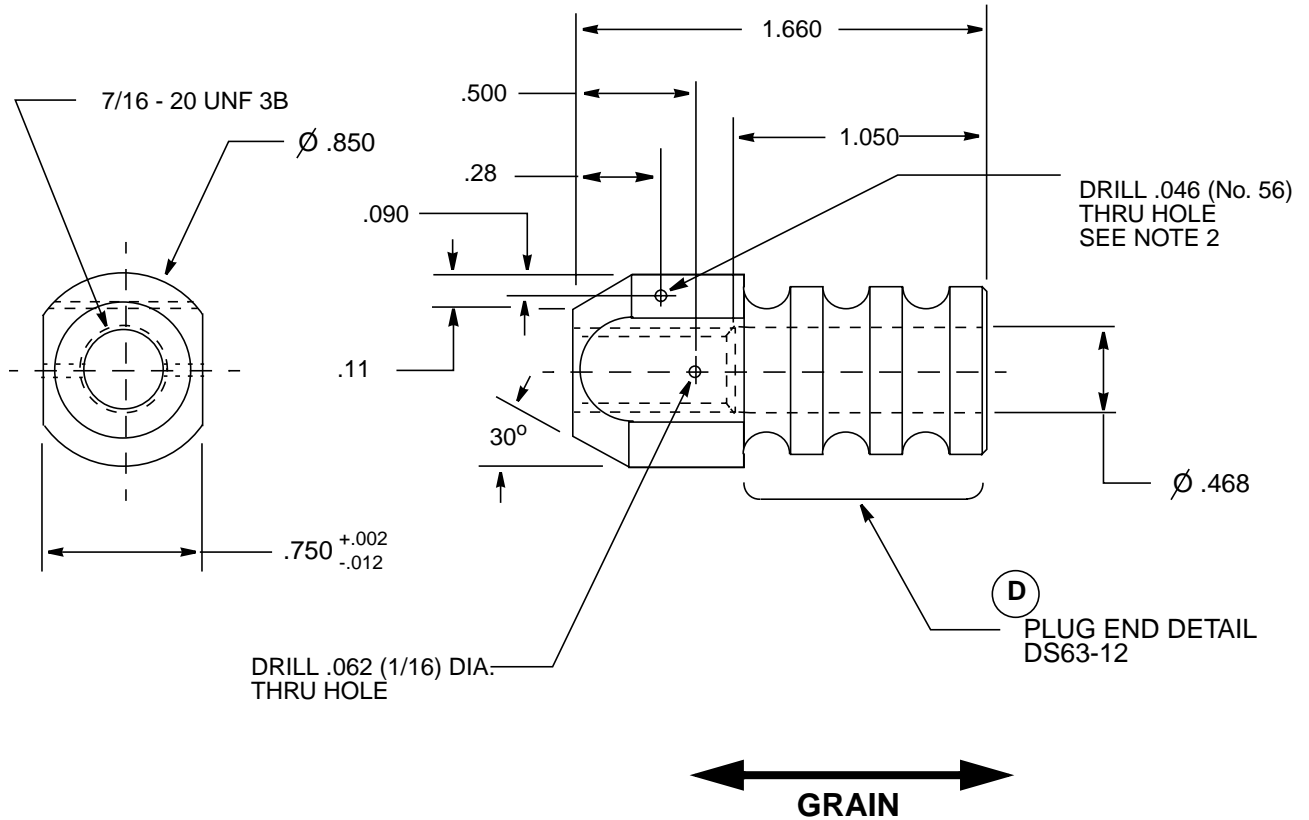
DATE: 18 DEC 96

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

REDRAWN - CSP316 D3-6W ADDED
REF TO DS63-12 ADDED
B. McDONALD - 18 DEC 96

(C)

NOT TO SCALE



CSP316D3-7
CSP316D3-7W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS	FITTING, END, CONNECTING ROD, MAGNEFORM, ALUMINUM TUBING	CSP 316
CHECKED	RRK		
STRESS	RADZINS		DATE: 18 DEC 96
APPROVED	SCHRATTNER		

REDRAWN - CSP316 D3-7W ADDED
REF TO DS63-12 ADDED
B. McDONALD - 18 DEC 96

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE REPRODUCED, COPIED, REPRODUCED, TRANSMITTED, DISCLOSED, OR USED IN ANY MANNER WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

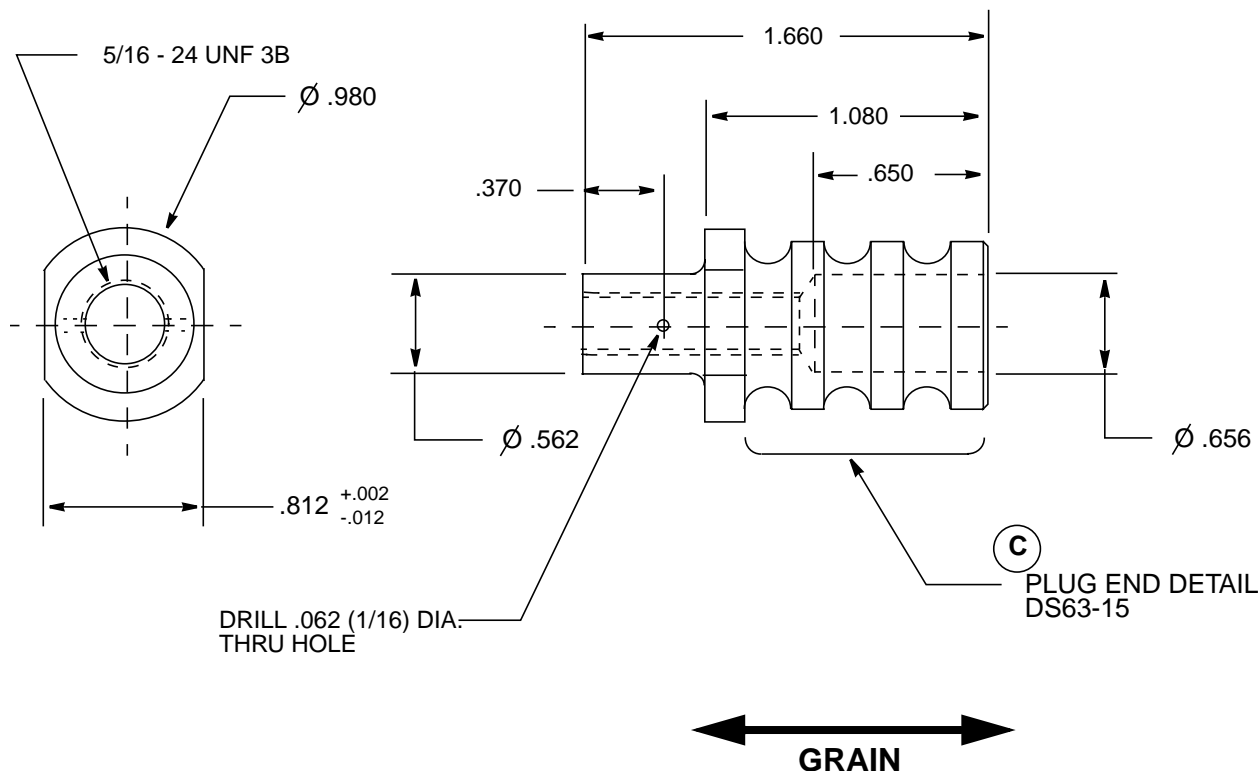
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 15

REV. C

NOT TO SCALE



CSP316E2-5

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-15 ADDED
B. McDONALD - 18 DEC 96

C

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

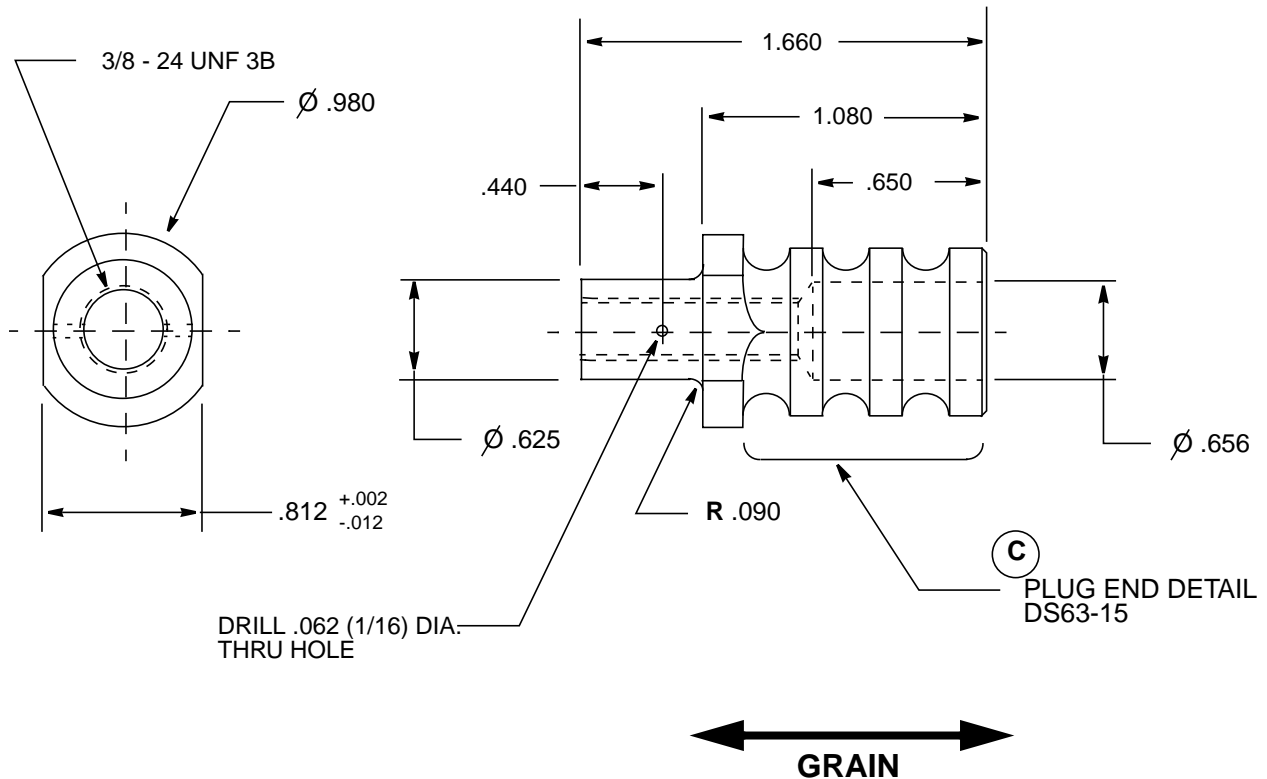
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 16

REV. C

NOT TO SCALE



CSP316E2-6

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-15 ADDED
B. McDONALD - 18 DEC 96

C

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

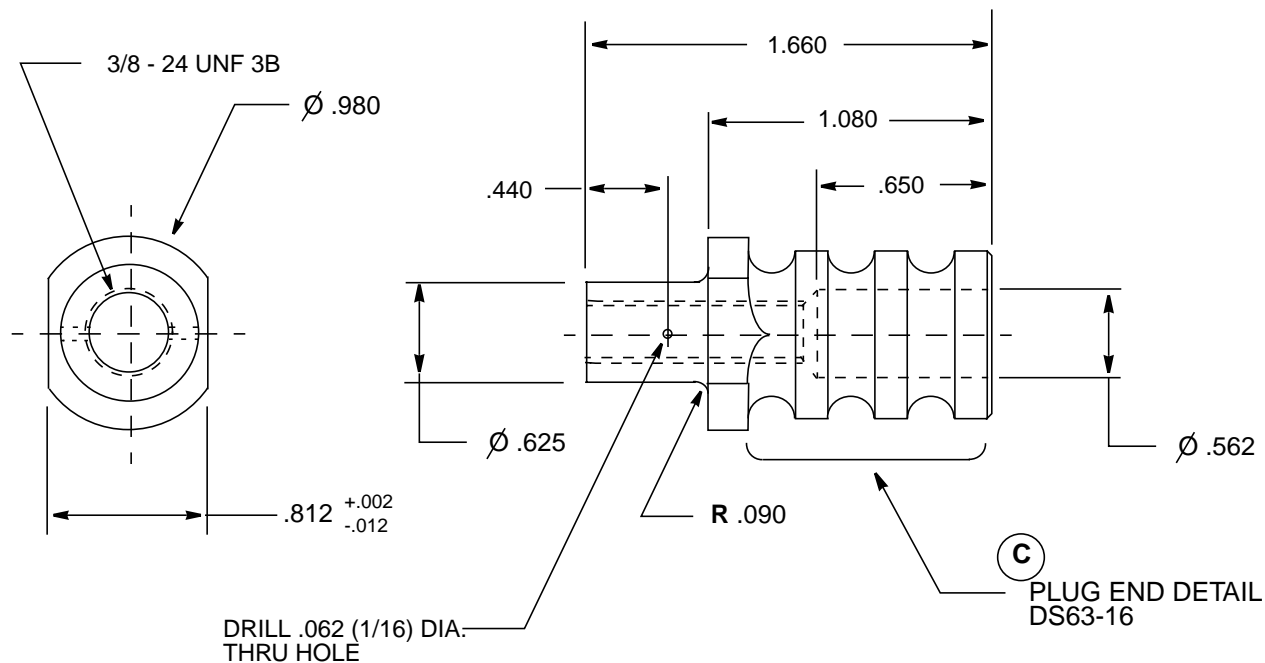
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 17

REV. C

NOT TO SCALE



CSP316E3-6

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-16 ADDED
B. McDONALD - 18 DEC 96

(C)

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

CSP316F3-6

FINISH: A1

DATE: 18 DEC 96

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

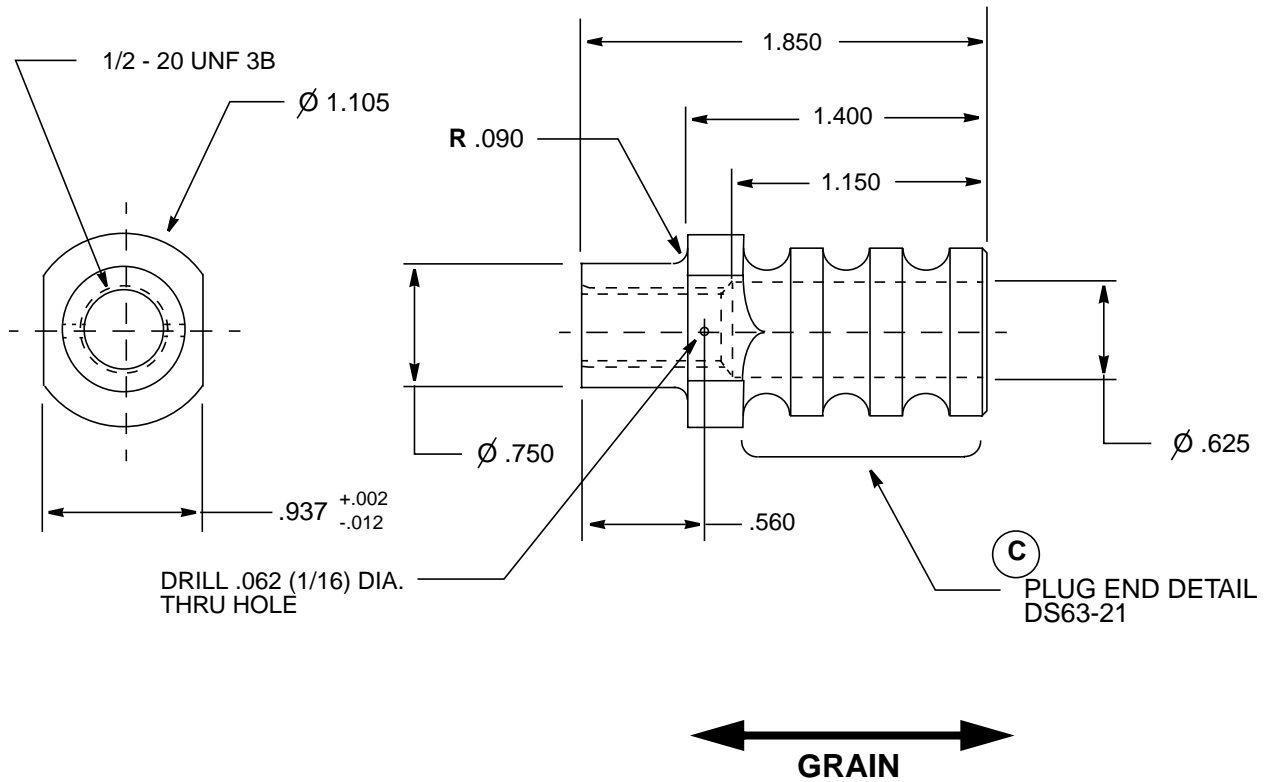
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 19

REV. C

NOT TO SCALE



CSP316F4-8

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-21 ADDED
B. McDONALD - 18 DEC 96

(C)

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

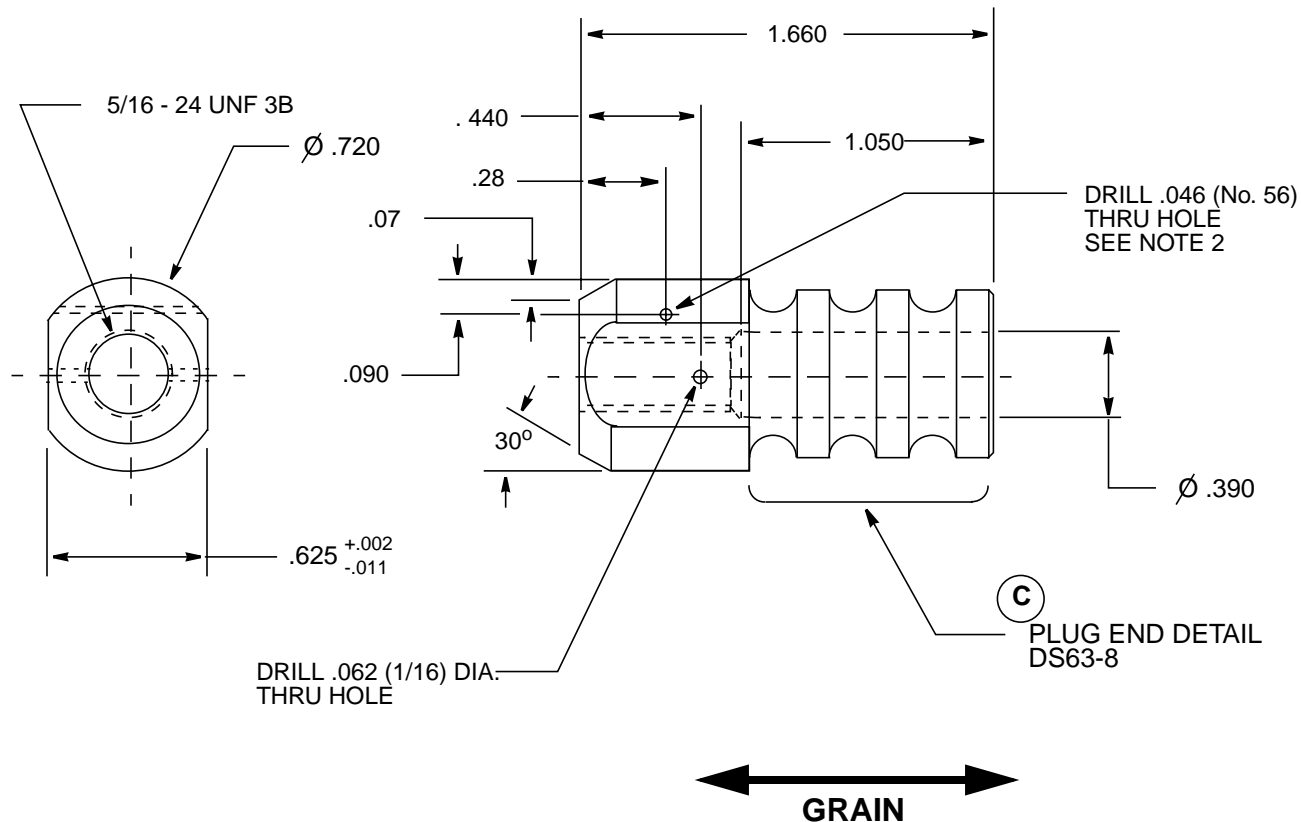
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 20

REV. C

NOT TO SCALE



CSP316C3-5
CSP316C3-5W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-8 ADDED
B. McDONALD - 18 DEC 96

C

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

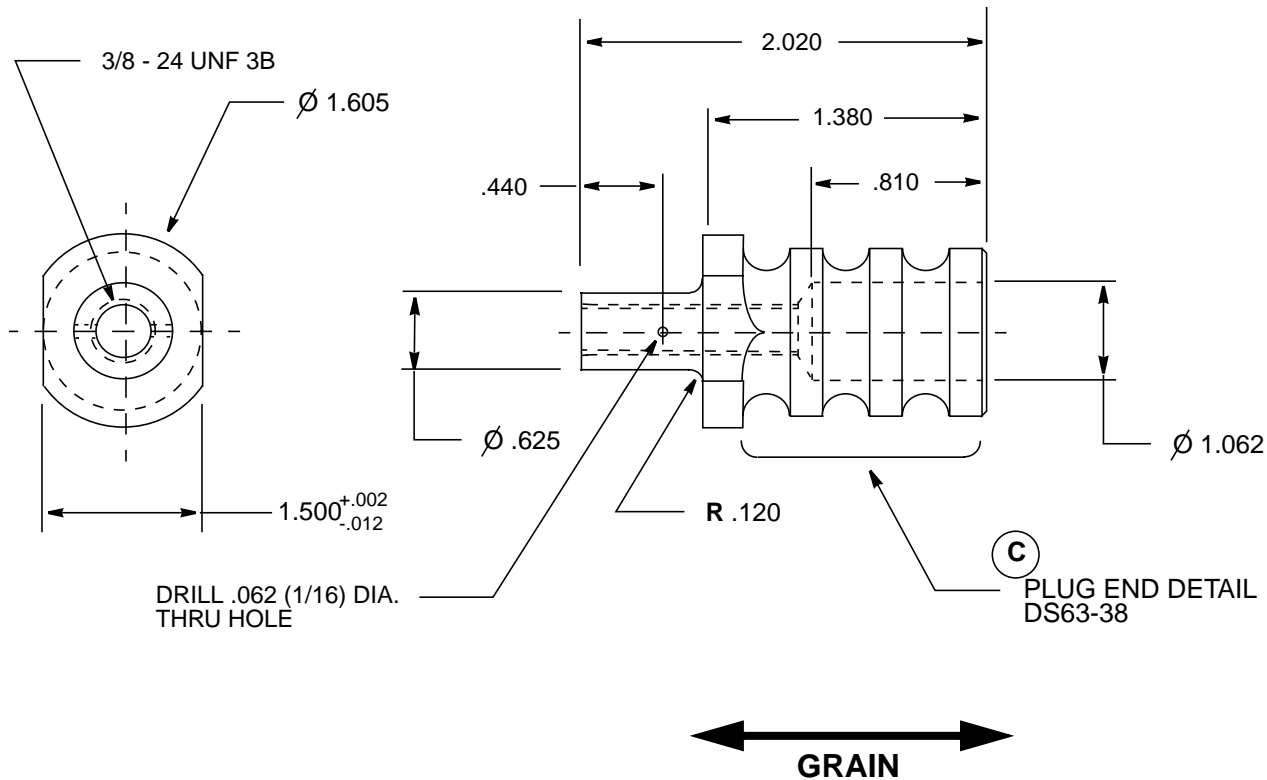
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 21

REV. C

NOT TO SCALE



CSP316K4-6

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-38 ADDED
B. McDONALD - 18 DEC 96

(C)

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

de HAVILLAND

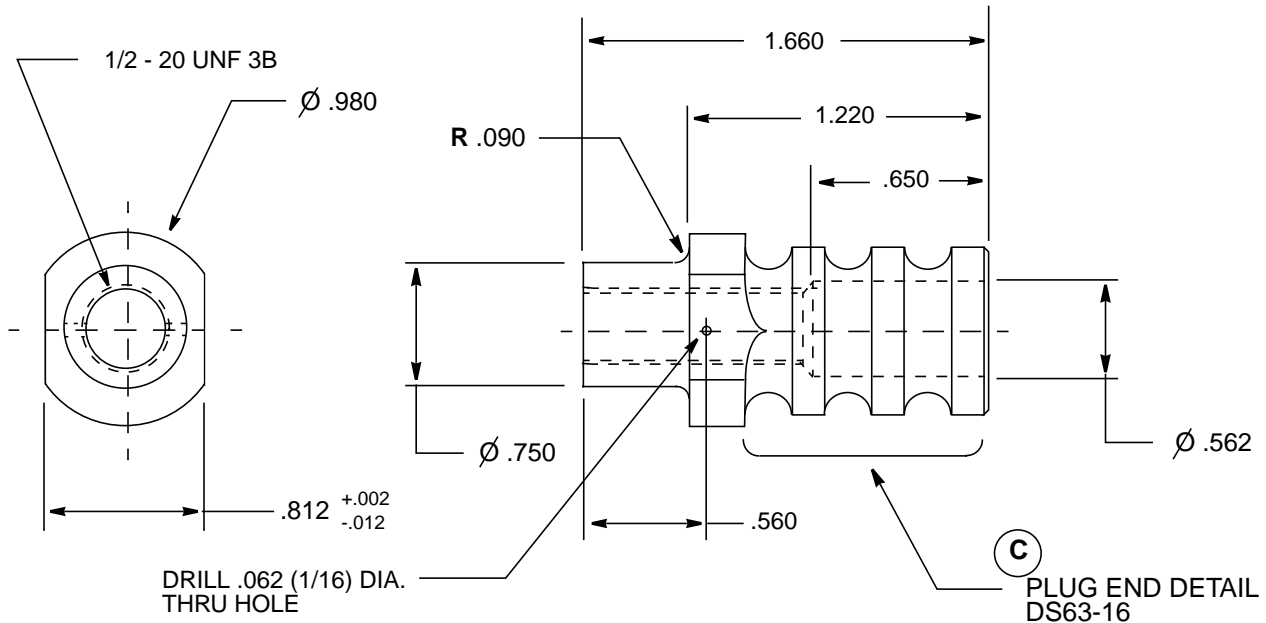
CAGE CODE 71867

CSP STANDARD

SHEET 22

REV. C

NOT TO SCALE



NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-16 ADDED
B. McDONALD - 18 DEC 96

C

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

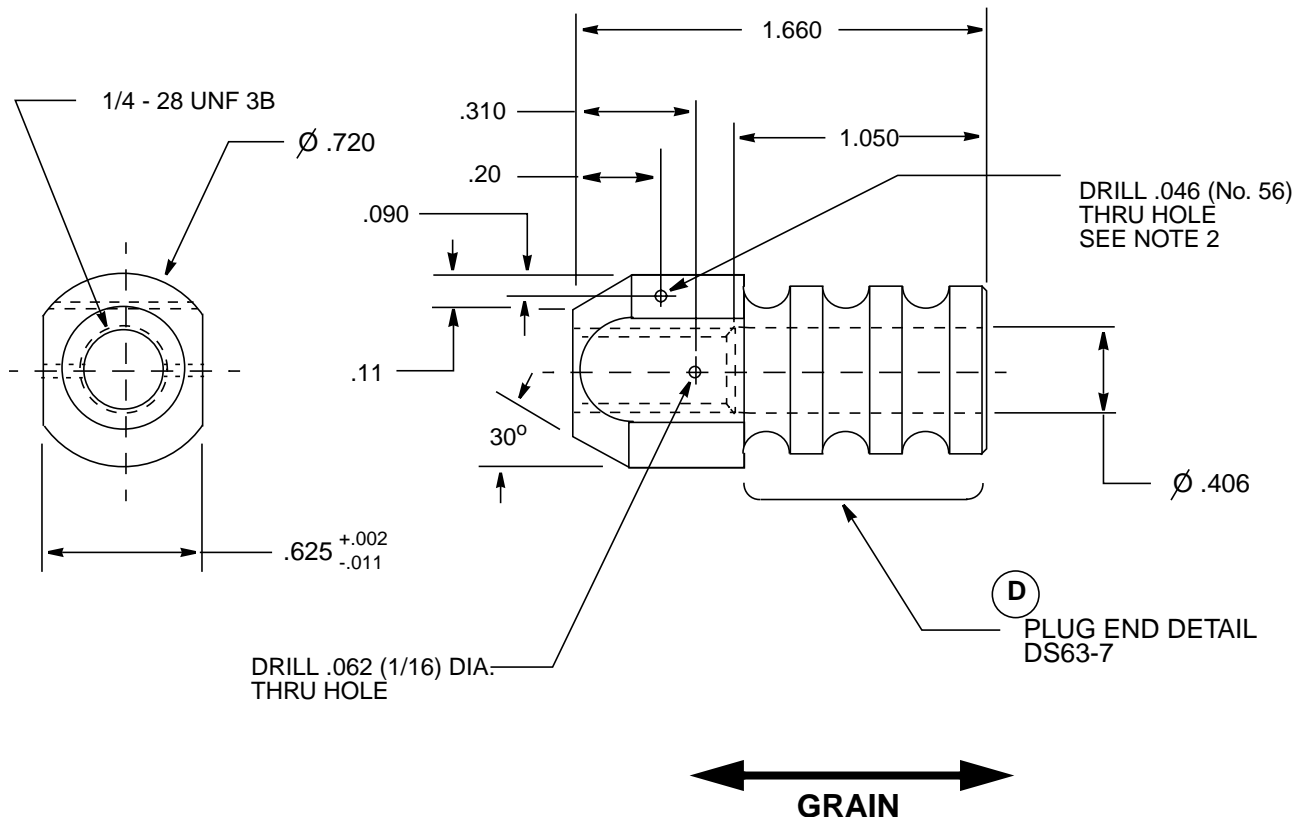
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 23

REV. D

NOT TO SCALE



CSP316C2-4
CSP316C2-4W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-7 ADDED
B. McDONALD - 18 DEC 96

D

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

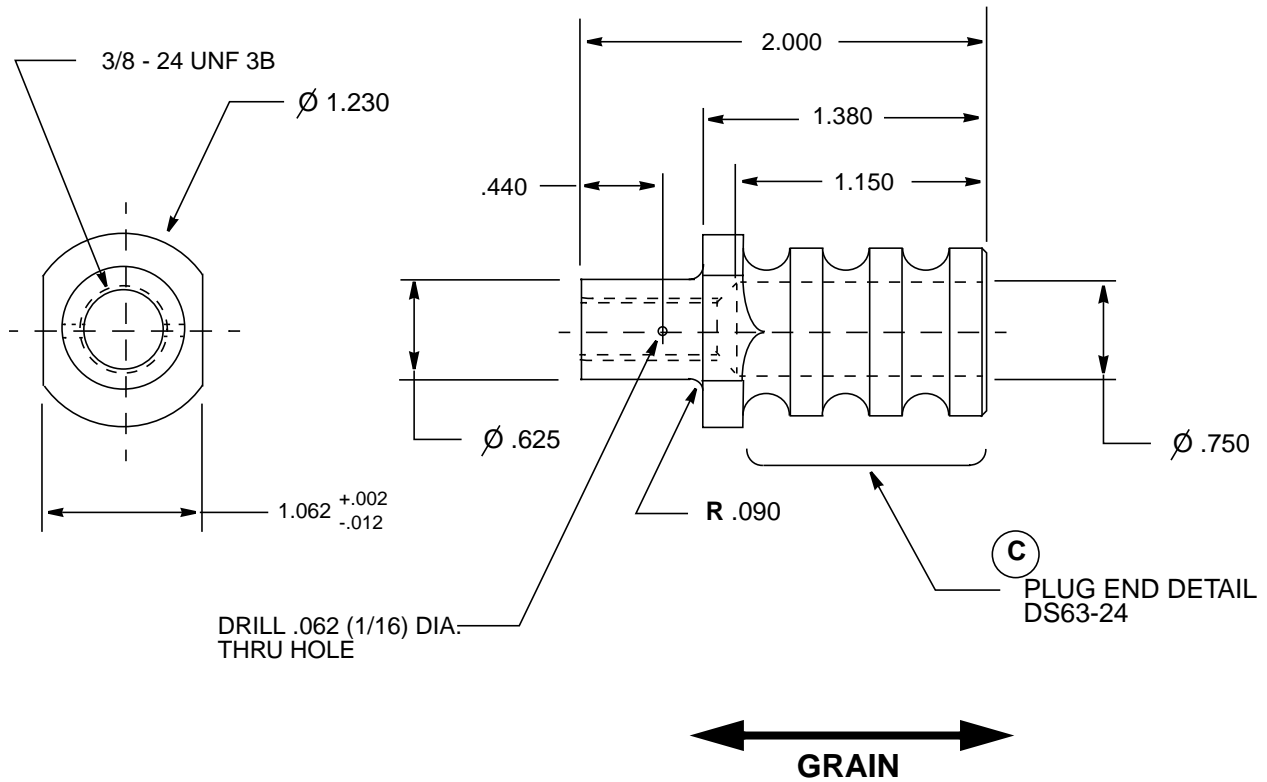
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 24

REV. C

NOT TO SCALE



CSP316G3-6

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-24 ADDED
B. McDONALD - 18 DEC 96

(C)

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

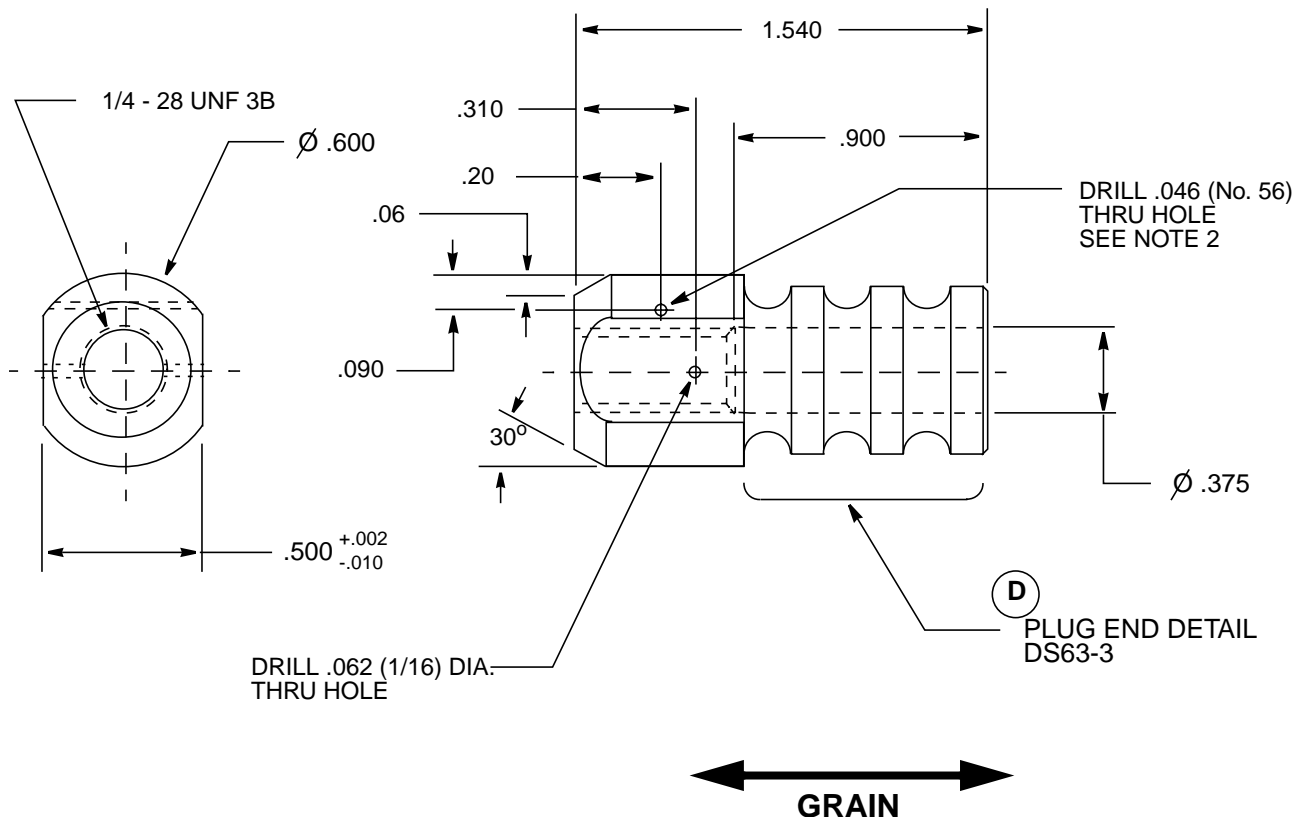
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 25

REV. D

NOT TO SCALE



CSP316B1-4
CSP316B1-4W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-3 ADDED
B. McDONALD - 18 DEC 96

D

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

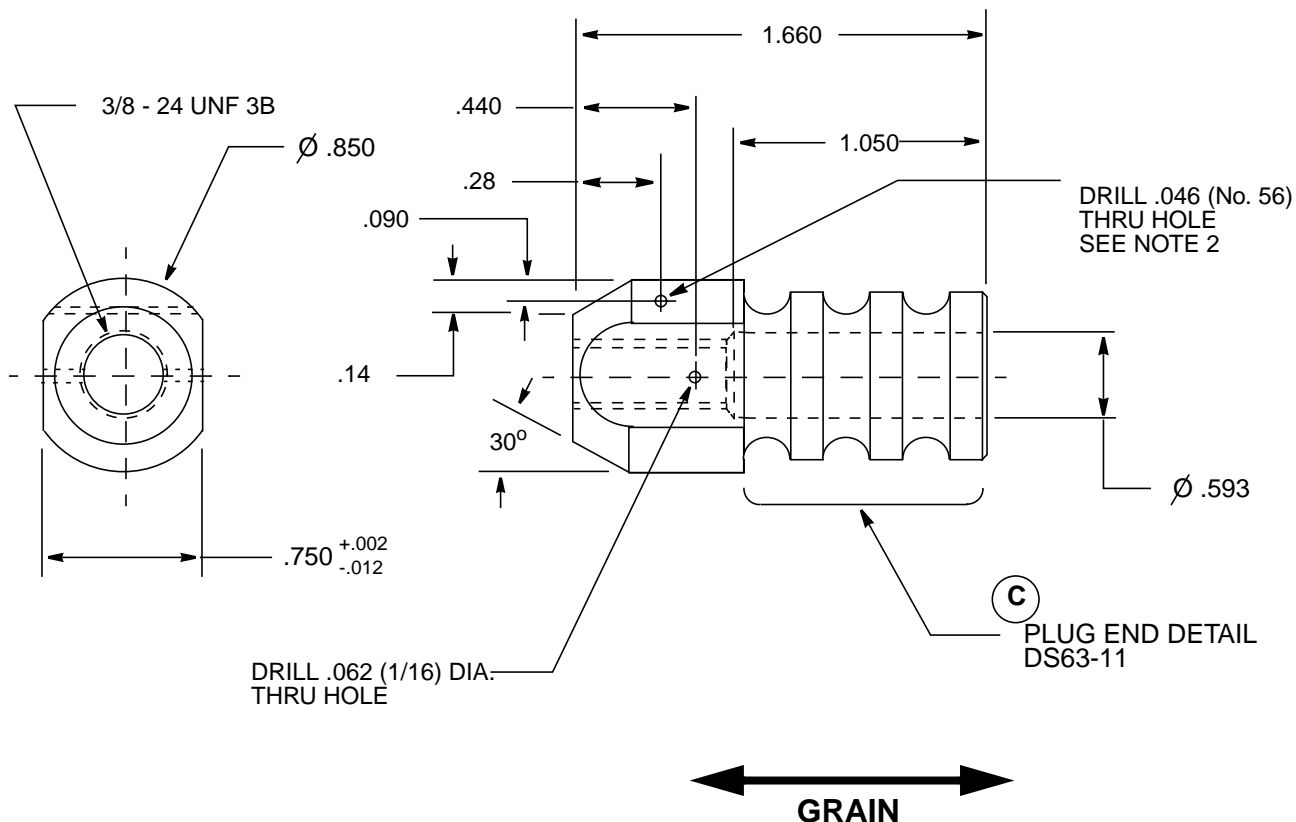
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 26

REV. C

NOT TO SCALE



CSP316D2-6
CSP316D2-6W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING

CSP 316

DATE: 18 DEC 96

REDRAWN - CSP316 D2-6W ADDED
REF TO DS63-11 ADDED
B. McDONALD - 18 DEC 96

C

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

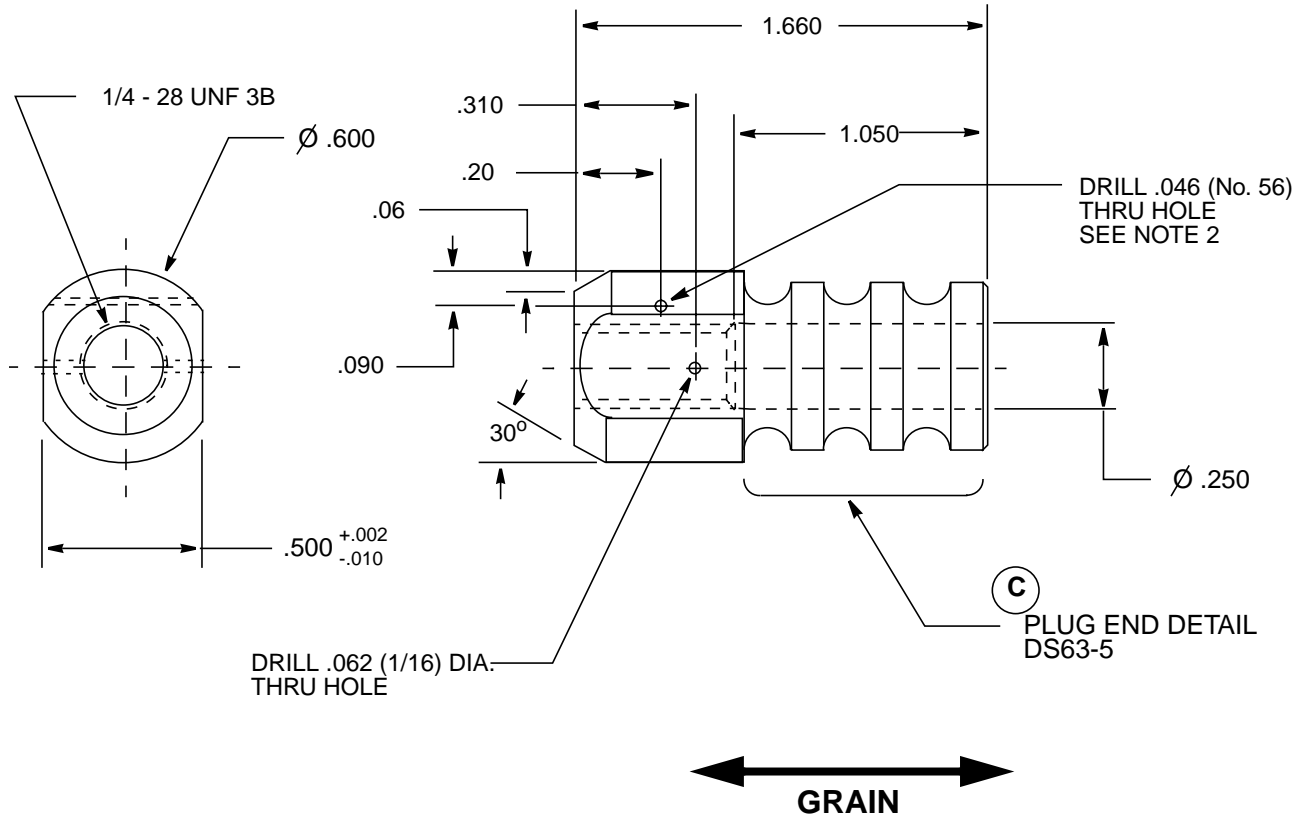
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 27

REV. C

NOT TO SCALE



CSP316B3-4
CSP316B3-4W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING

CSP 316

DATE: 18 DEC 96

REDRAWN - CSP316 B3-4W ADDED
REF TO DS63-5 ADDED
B. McDONALD - 18 DEC 96

C

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

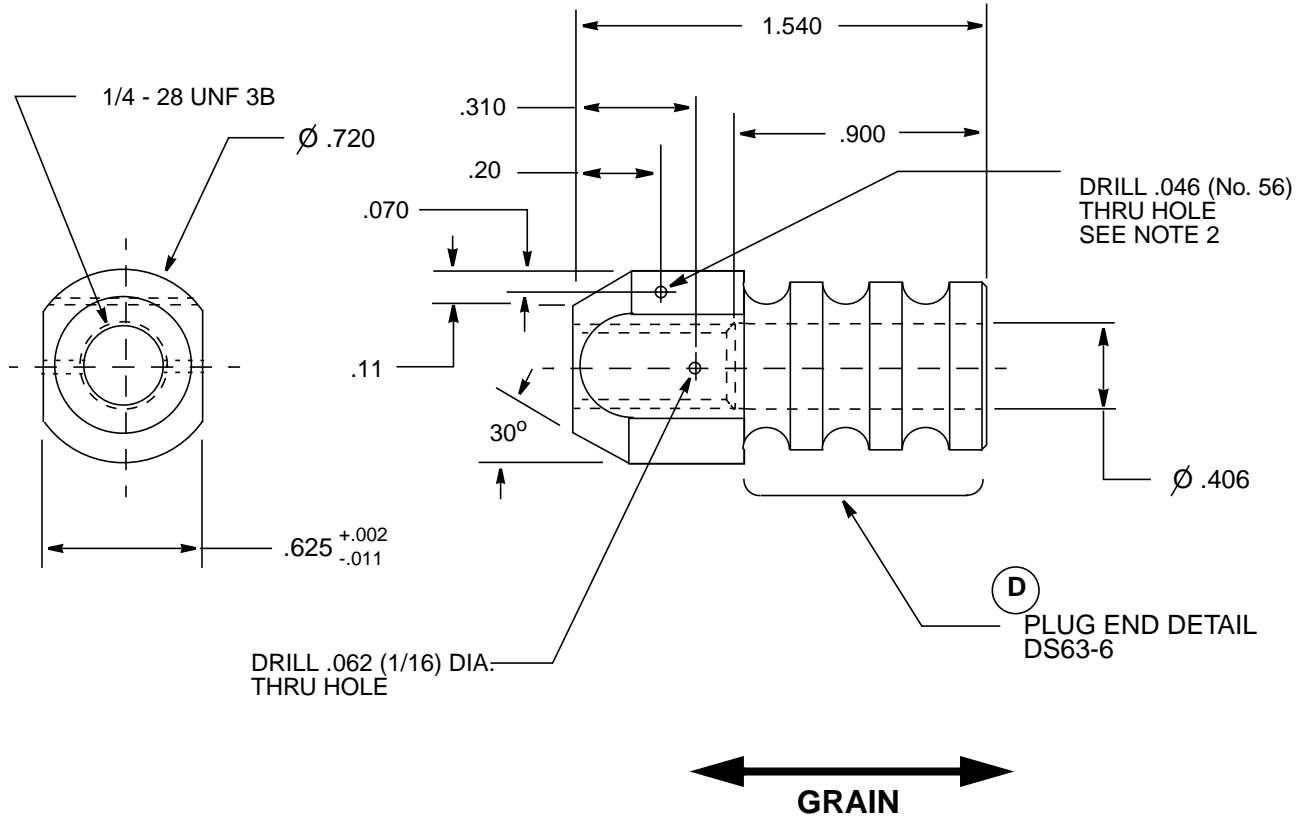
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 28

REV. D

NOT TO SCALE



D CSP316C1-4
CSP316C1-4W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING

CSP 316

DATE: 18 DEC 96

REDRAWN D - CSP316 C1-4W ADDED
REF TO DS63-6 ADDED
B. McDONALD - 18 DEC 96

D

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

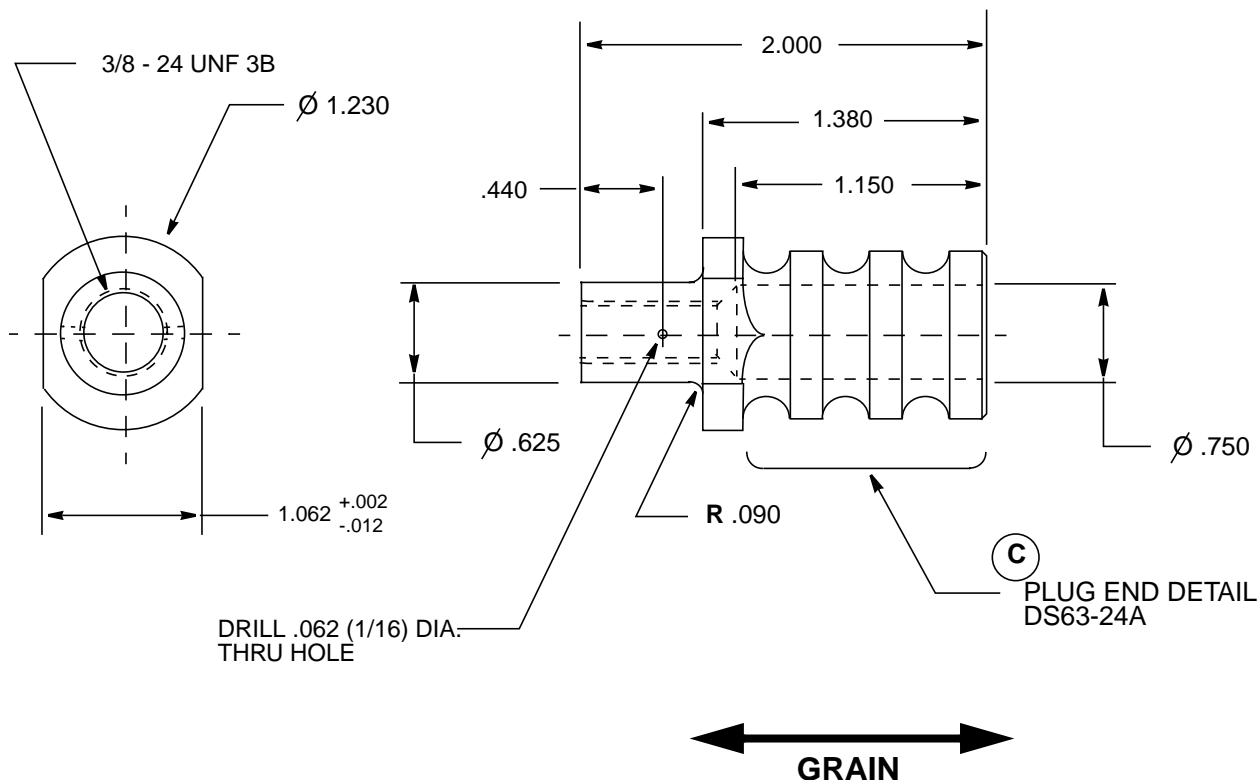
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 29

REV. C

NOT TO SCALE



CSP316G4-6

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-24A ADDED
B. McDONALD - 18 DEC 96

C

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

CSP316G2-6

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS	FITTING, END, CONNECTING ROD, MAGNEFORM, ALUMINUM TUBING	CSP 316
CHECKED	RRK		
STRESS	RADZINS		DATE: 18 DEC 96
APPROVED	SCHRATTNER		

de HAVILLAND

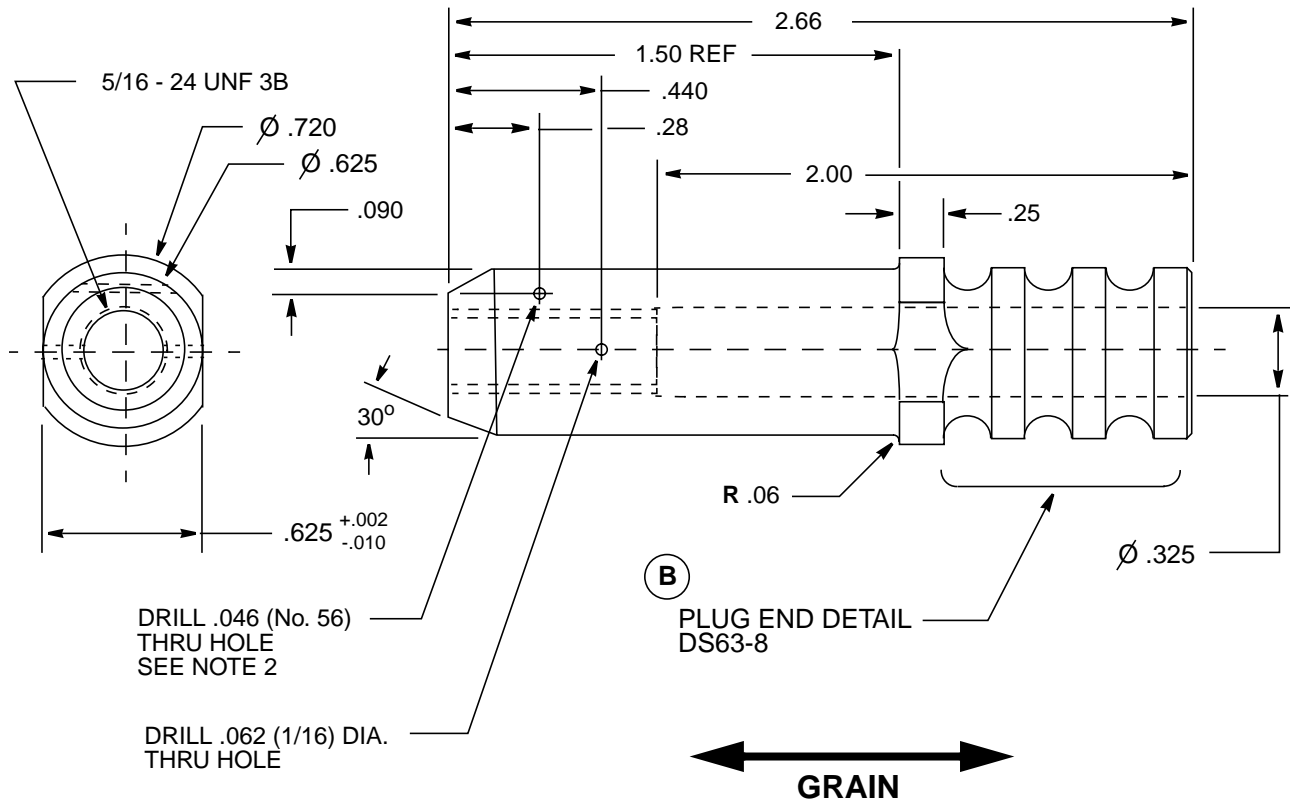
CAGE CODE 71867

CSP STANDARD

SHEET 31

REV. B

NOT TO SCALE



CSP316C3-5T
CSP316C3-5TW

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN - REFERENCE TO DS63-8 ADDED
18 DEC 96 - B. McDONALD

B

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

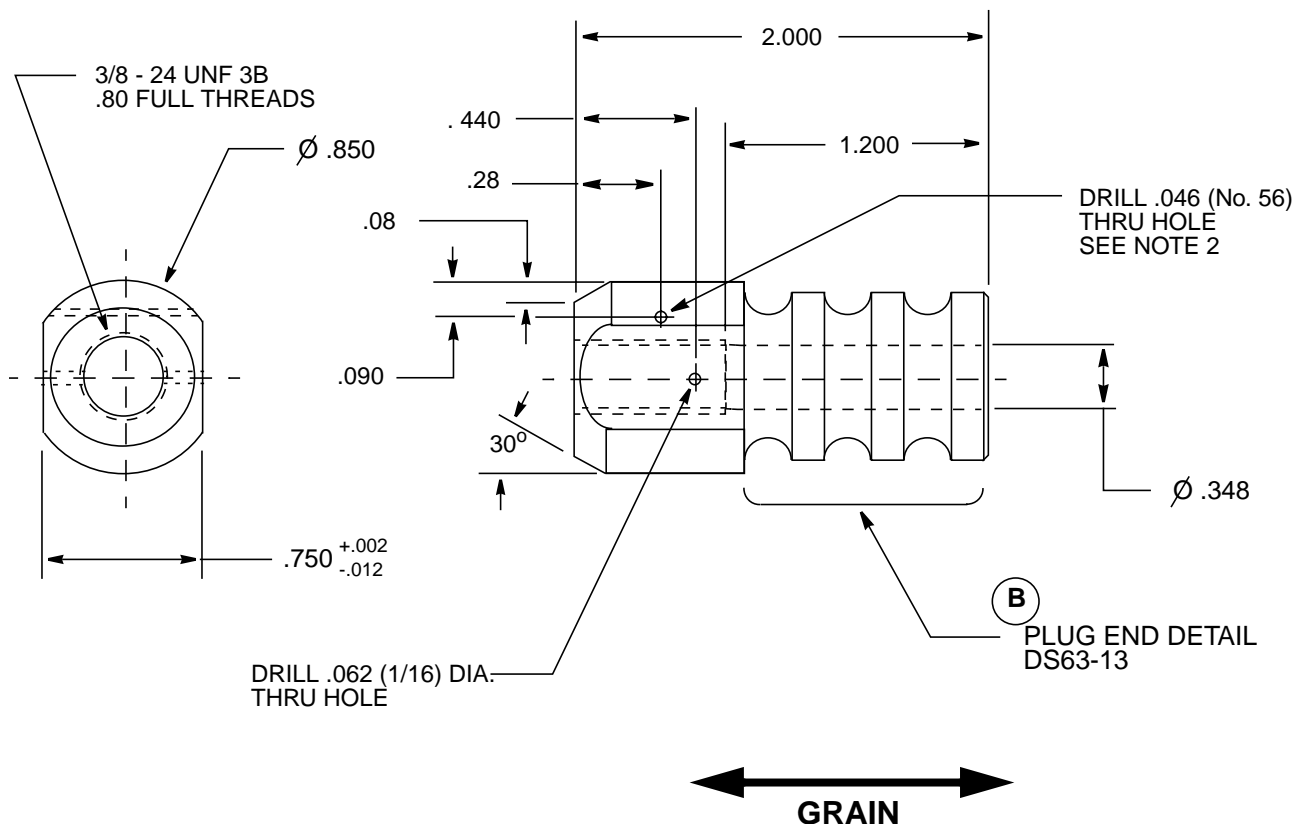
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 32

REV. B

NOT TO SCALE



CSP316D4-6
CSP316D4-6W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING

CSP 316

DATE: 18 DEC 96

REDRAWN - CSP316 D4-6W ADDED
REF TO DS63-13 ADDED
B. McDONALD - 18 DEC 96

B

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

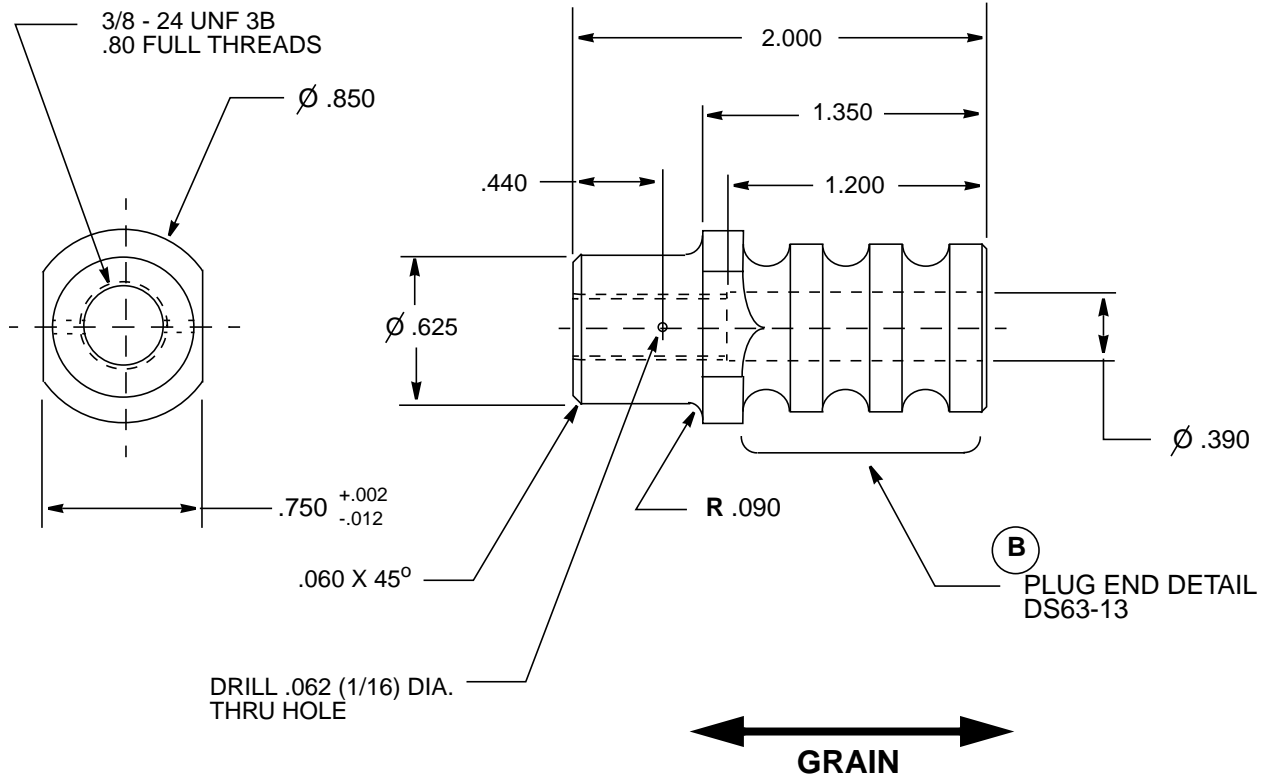
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 33

REV. B

NOT TO SCALE



CSP316D4-6T

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. ~~SPECIAL~~ - FOR STANDARD APPLICATIONS USE CSP 316 D4-6

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-13 ADDED
B. McDONALD - 18 DEC 96

(B)

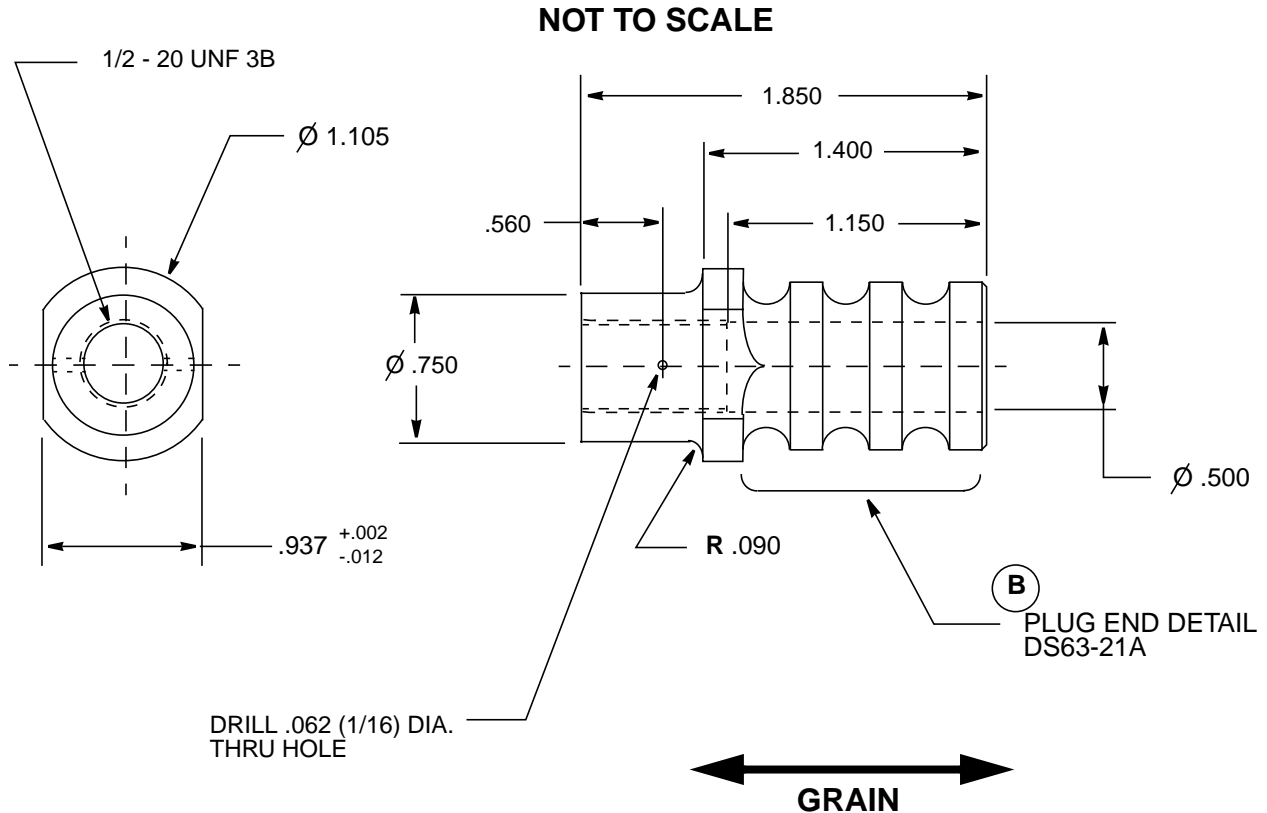
THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 34

REV. B



CSP316F5-8

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. **SPECIAL** - FOR STANDARD APPLICATIONS USE CSP 316 D4-6

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN
REF TO DS63-21A ADDED
B. McDONALD - 18 DEC 96

B

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.

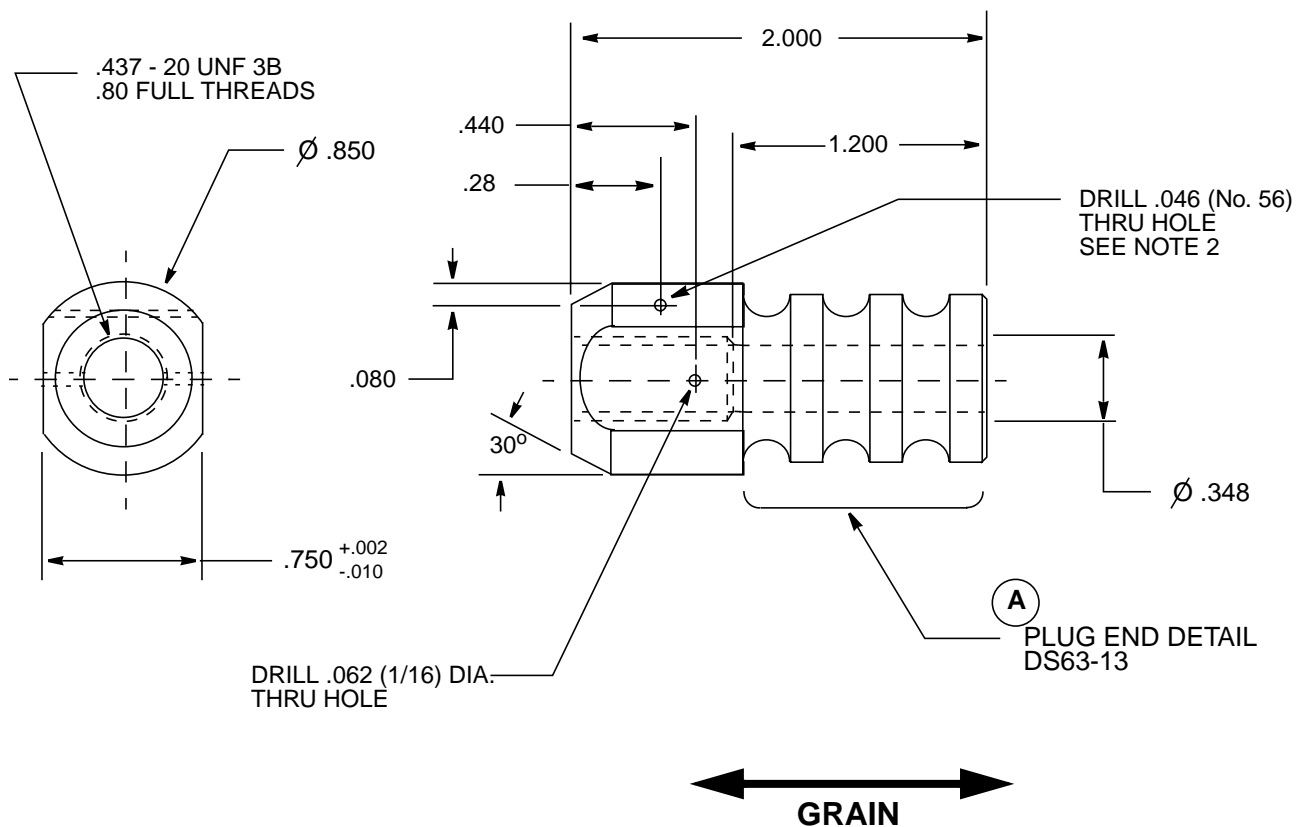
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 35

REV. A

NOT TO SCALE



(A) CSP316D4-7
CSP316D4-7W

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS
2. DRILL WIRE LOCKING HOLE ONLY IF PART NUMBER INCLUDES SUFFIX 'W'

MATERIAL: ALUMINUM ALLOY - 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	D. LINTS
CHECKED	RRK
STRESS	RADZINS
APPROVED	SCHRATTNER

**FITTING, END, CONNECTING
ROD, MAGNEFORM,
ALUMINUM TUBING**

CSP 316

DATE: 18 DEC 96

REDRAWN - CSP316 D4-7W ADDED
REF TO DS63-13 ADDED
B. McDONALD - 18 DEC 96

(A)

THE INFORMATION, TECHNICAL DATA AND DESIGNS DISCLOSED IN THIS DOCUMENT (THE "INFORMATION") ARE EITHER THE EXCLUSIVE PROPERTY OF DE HAVILLAND INC., OR ARE SUBJECT TO PROPRIETARY RIGHTS OF OTHERS. THE INFORMATION IS NOT TO BE USED FOR DESIGN OR MANUFACTURE, OR DISCLOSED TO OTHERS WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF DE HAVILLAND INC. THE HOLDER OF THIS DOCUMENT, BY ITS RETENTION AND USE, AGREES TO HOLD THE INFORMATION IN CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS.