

INDEX

[illegible]

LIST OF CURRENT SHEETS

LIST OF CURRENT SHEETS																		
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
REVISION	C	G	F	F	B	A	-	-	-	-	-	-	A	A	-			

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	B. McDONALD	<p align="center">MAGNEFORM END FITTINGS FOR STEEL TUBES</p>	<p align="center">CSP291</p>
CHECKED	J. ROTSCH		
STRESSED	D. TODD		<p>DATE: 29 MAY 97</p>
APPROVED	S. HAMID		

CONFIDENCE. THESE RESTRICTIONS DO NOT APPLY TO PERSONS HAVING PROPRIETARY RIGHTS IN THE INFORMATION, TO THE EXTENT OF THOSE RIGHTS. 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. 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.

© CSP291C5L6 WAS CSP192C5-L6 - SHT 2 WAS REV F
SHT 3 WAS REV E, SHT 4 WAS REV E
SHT 5 WAS REV A, SHT 13 WAS REV NC
SHT 15 ADDED - 4 JUN 97 - B. McDONALD



PART NUMBER CODING BREAKDOWN

CSP291 C3 - 5 W A

CONFIGURATION

ALPHA CODE (A - V) DENOTES VARIANT CONFIGURATION (NOTE 2)

WIRE LOCKING HOLE

W - HOLE FOR WIRE LOCKING (NOTE 1)

(NO CODE) NO WIRE LOCKING PROVISION

THREAD SIZE AND HAND

REF TABLE No. 2

FITTING LENGTH

- STANDARD LENGTH

L - EXTENDED LENGTH

TUBE SIZE (DIAMETER and WALL THICKNESS)

REFER TO TABLE No. 1

BASIC PART NUMBER

NOTE 1: NOT STANDARD PRACTICE

NOTE 2: ONLY USED WHERE REQUIRED TO DENOTE A CONFIGURATION CHANGE TO THE
ORIGINALLY DEVELOPED PART NUMBER. CODE

PART NUMBER EXAMPLE:

CSP291C3-5WA

- MAGNEFORM END FITTING - STEEL TUBE
- TUBE - O.D. - 3/4" - WALL THICKNESS - .049"
- THREAD SIZE - 5/16 -24 UNF 3B R/H
- WIRE LOCKING HOLE
- VARIANT CONFIGURATION

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	B. McDONALD
CHECKED	J. ROTSCH
STRESSED	D. TODD
APPROVED	S. HAMID

**MAGNEFORM END
FITTINGS FOR STEEL
TUBES****CSP291**

DATE: 28 OCT 96



de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET **3**

REV. **F**

Table 1: TUBE SIZE DESIGNATION

TUBE			MAX. PERMISSIBLE THREAD SIZE FOR GIVEN TUBE O.D.
DESIGNATION NUMBER	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	1/2 - 20
F4		.065	
F5	1 1/4	.083	
G1		.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	B. McDONALD
CHECKED	J. ROTSCH
STRESSED	D. TODD
APPROVED	S. HAMID

**MAGNEFORM END
FITTINGS FOR STEEL
TUBES**

CSP291

DATE: **4 JUN 97**

F5 - DELETED
4 JUN 97 - B. McDONALD

F

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.

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
-9	-9L	9/16 - 18
-10	-10L	5/8 - 18

F END FITTING MATERIAL: ALUMINUM ALLOY - 7075 T7351 TO QQ-A-225/9

REQUIREMENTS FOR MANUFACTURE - UNLESS OTHERWISE SPECIFIED

GENERAL: 1. ALL DIMENSIONS IN INCHES

2. SURFACE ROUGHNES - 125 V MAX.
3. BREAK SHARP EDGES 0.015 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	B. McDONALD
CHECKED	J. ROTSCH
STRESSED	D. TODD
APPROVED	S. HAMID

MAGNEFORM END FITTINGS FOR STEEL TUBES

CSP291

DATE: 3 OCT 96

END FITTING MATERIAL DEFINED - TABLE 3 DELETED
4 JUN 97 - B. McDONALD

F

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

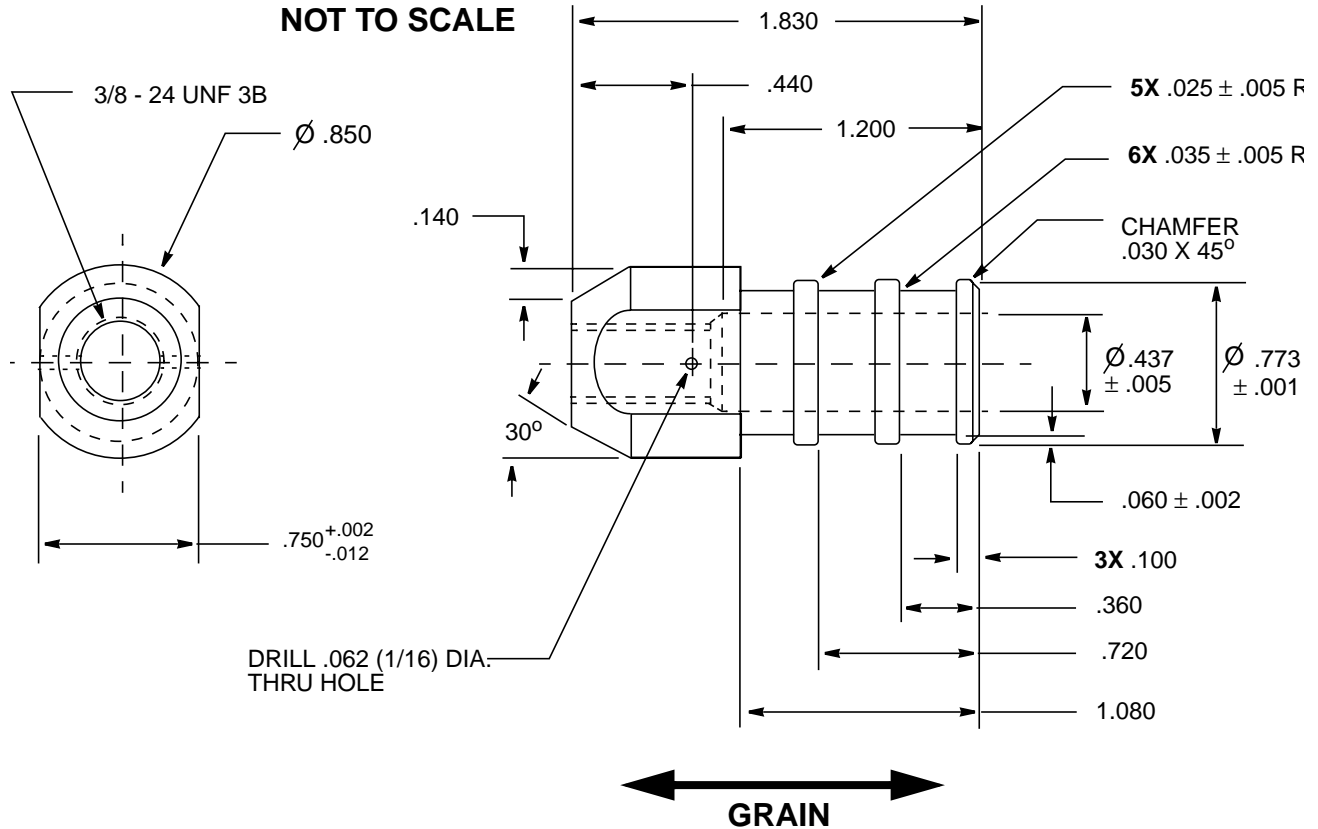
CAGE CODE 71867

CSP STANDARD

SHEET 5

REV. B

NOT TO SCALE



CANCELLED - REPLACED BY CSP291D3-6A

CSP291D3-6

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS.

MATERIAL: 2024-T4

SPECIFICATION: QQ-A-200/3 OR QQ-A-225/6

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	B. McDONALD
CHECKED	J. ROTSCH
STRESSED	D. TODD
APPROVED	S. HAMID

**MAGNEFORM END
FITTINGS FOR STEEL
TUBES**

CSP291

DATE: 28 OCT 96

CANCELLED - REPLACED BY CSP291D3-6A
4 JUN 97 - 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.

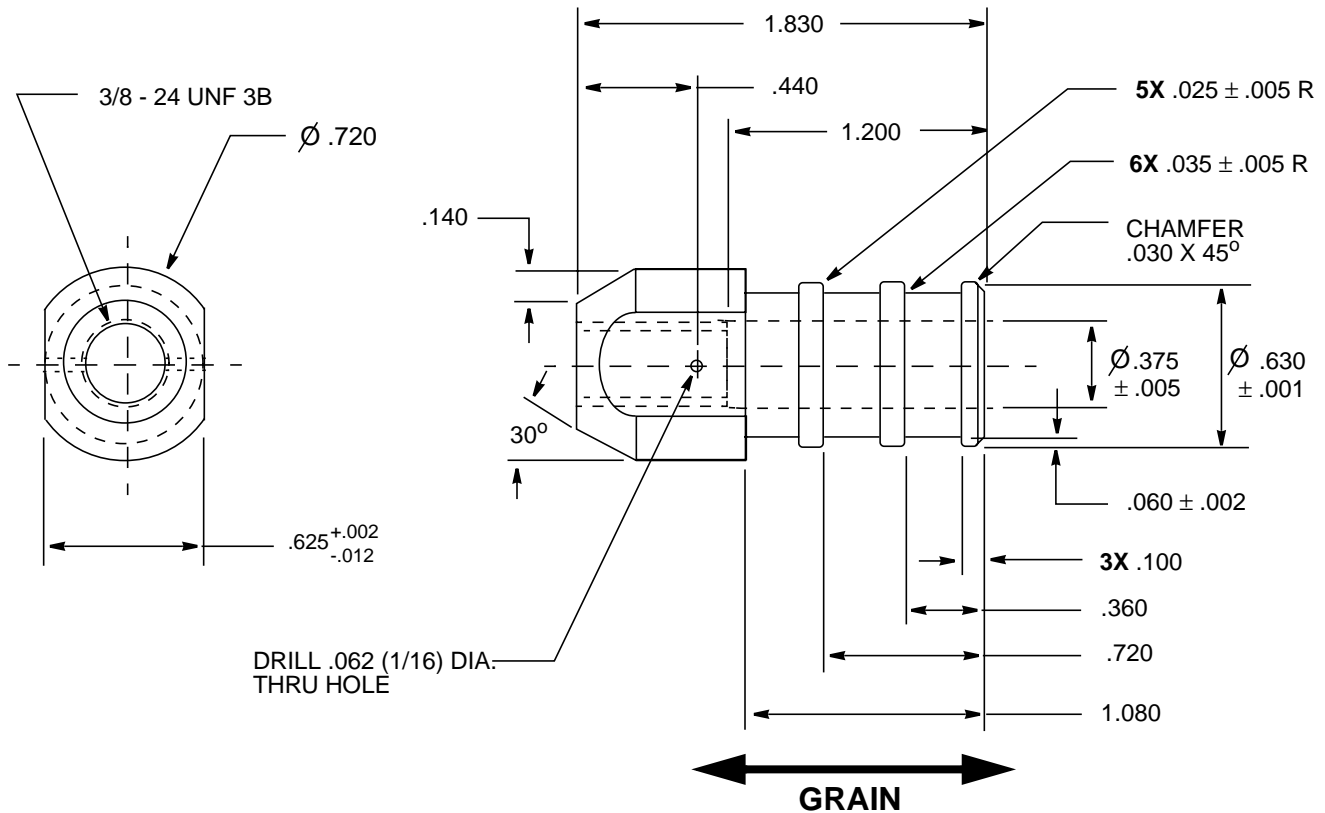
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 6

REV. A

NOT TO SCALE



CSP291C5-6

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	B. McDONALD
CHECKED	J. ROTSCH
STRESSED	D. TODD
APPROVED	S. HAMID

**MAGNEFORM END
FITTINGS FOR STEEL
TUBES**

CSP291

DATE: 28 OCT 96

REDRAWN
B. McDONALD - 28 OCT 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.

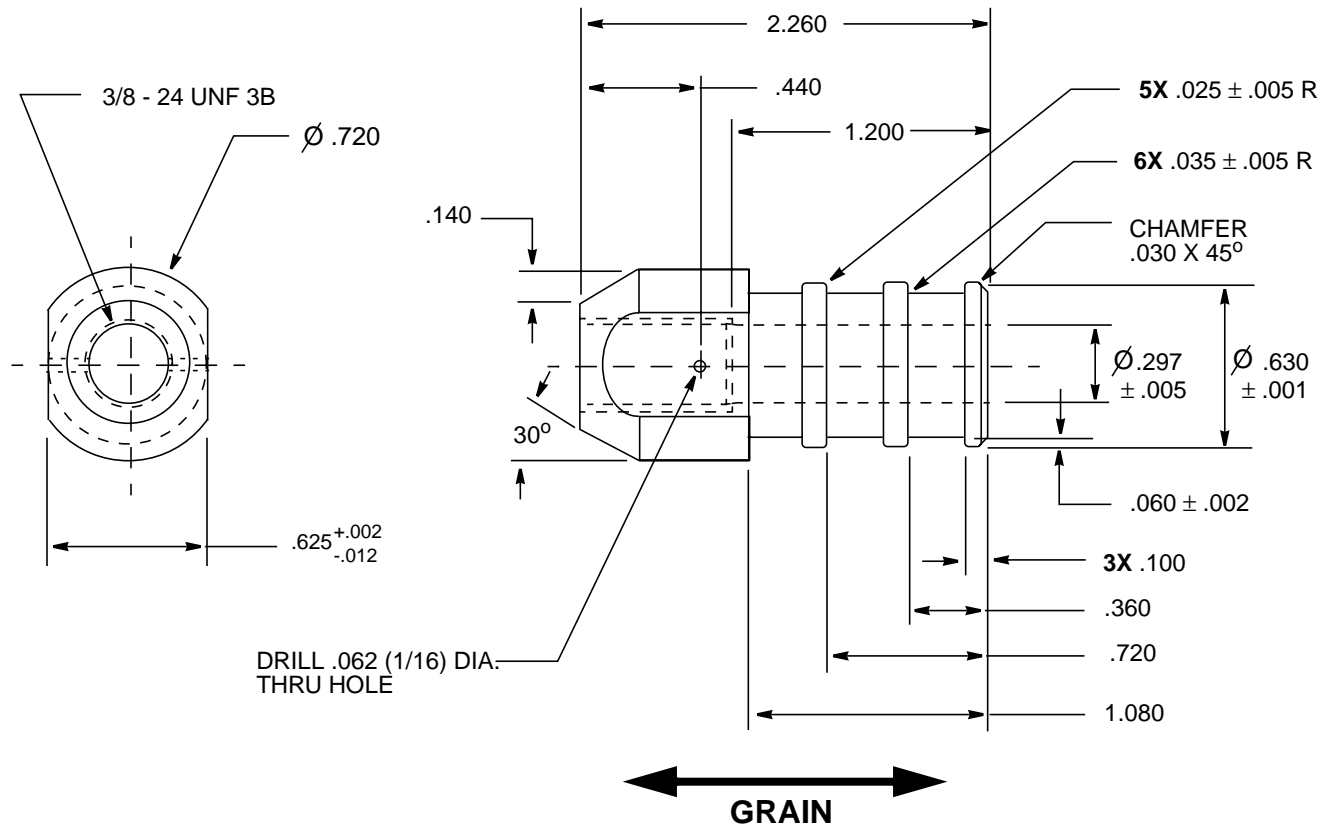
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 7

REV. -

NOT TO SCALE



CSP291C5L6

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	B. McDONALD	MAGNEFORM END FITTINGS FOR STEEL TUBES	CSP291
CHECKED	J. ROTSCH		
STRESSED	D. TODD		DATE: 28 OCT 96
APPROVED	S. HAMID		

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.

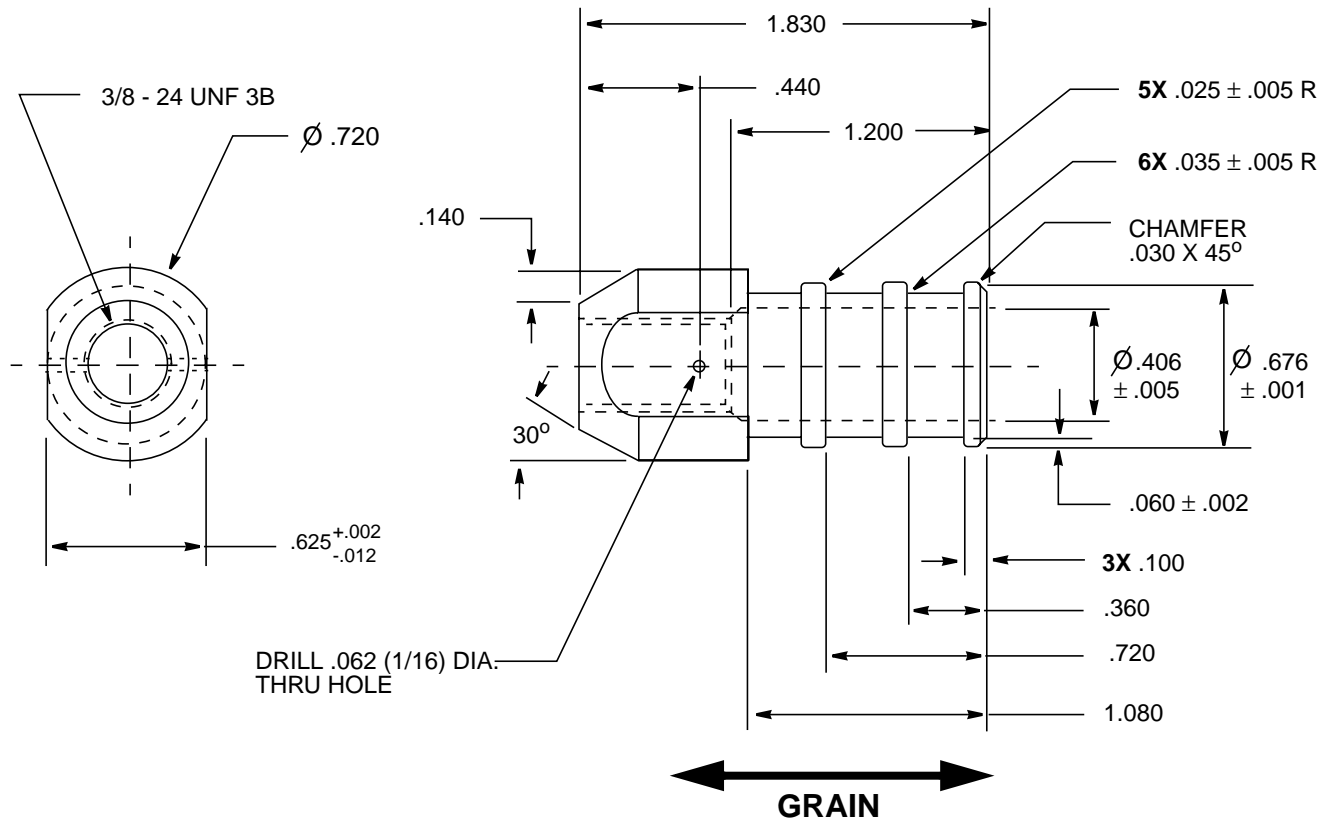
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 8

REV. -

NOT TO SCALE



CSP291C2-6

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	B. McDONALD	MAGNEFORM END FITTINGS FOR STEEL TUBES	CSP291
CHECKED	J. ROTSCH		
STRESSED	D. TODD		DATE: 28 OCT 96
APPROVED	S. HAMID		

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.

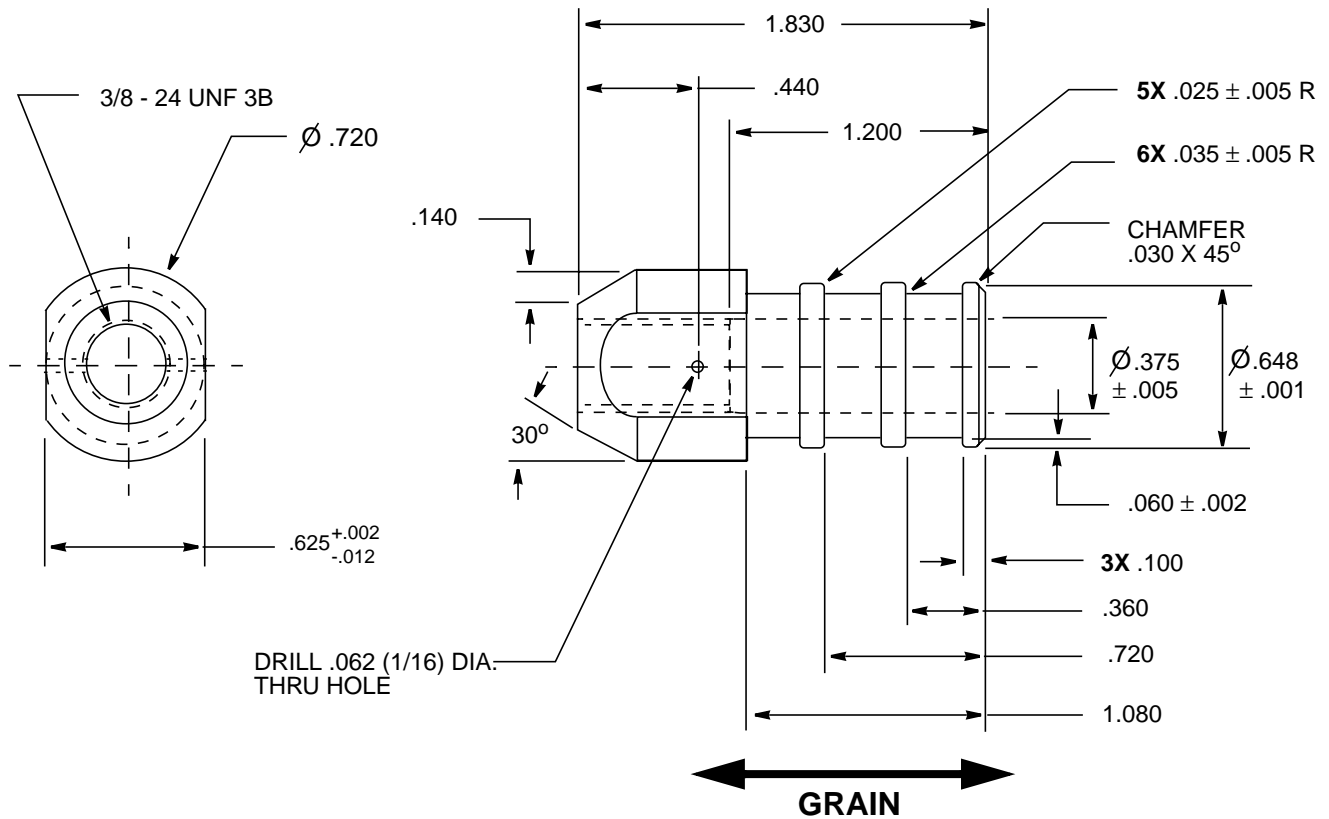
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 9

REV. -

NOT TO SCALE



CSP291C3-6

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	B. McDONALD	MAGNEFORM END FITTINGS FOR STEEL TUBES	CSP291
CHECKED	J. ROTSCH		
STRESSED	D. TODD		DATE: 28 OCT 96
APPROVED	S. HAMID		

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.

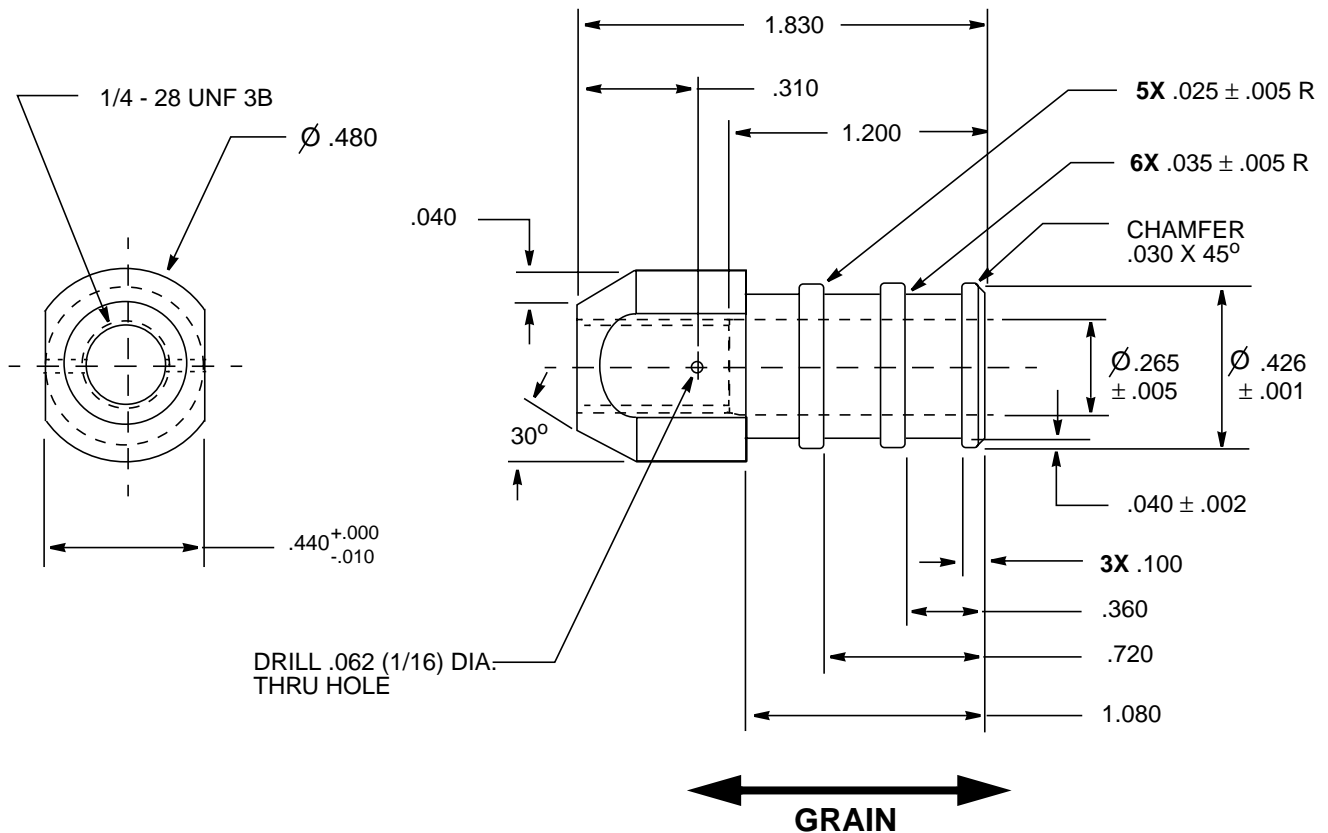
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 10

REV. -

NOT TO SCALE



CSP291A2-4

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	B. McDONALD	MAGNEFORM END FITTINGS FOR STEEL TUBES	CSP291
CHECKED	J. ROTSCH		
STRESSED	D. TODD		DATE: 28 OCT 96
APPROVED	S. HAMID		

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.

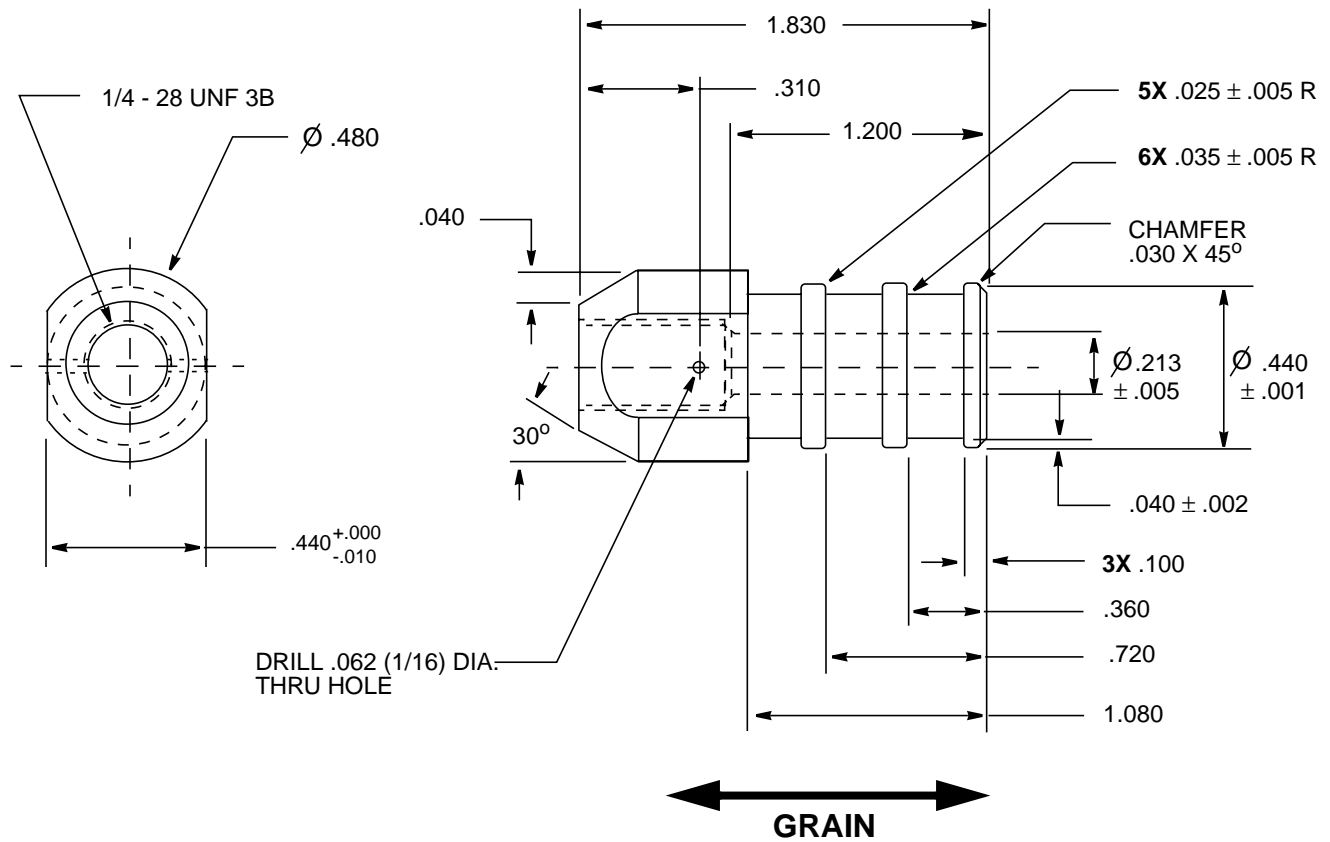
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 11

REV. -

NOT TO SCALE



CSP291A1-4

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	B. McDONALD	MAGNEFORM END FITTINGS FOR STEEL TUBES	CSP291
CHECKED	J. ROTSCH		
STRESSED	D. TODD		DATE: 28 OCT 96
APPROVED	S. HAMID		

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.

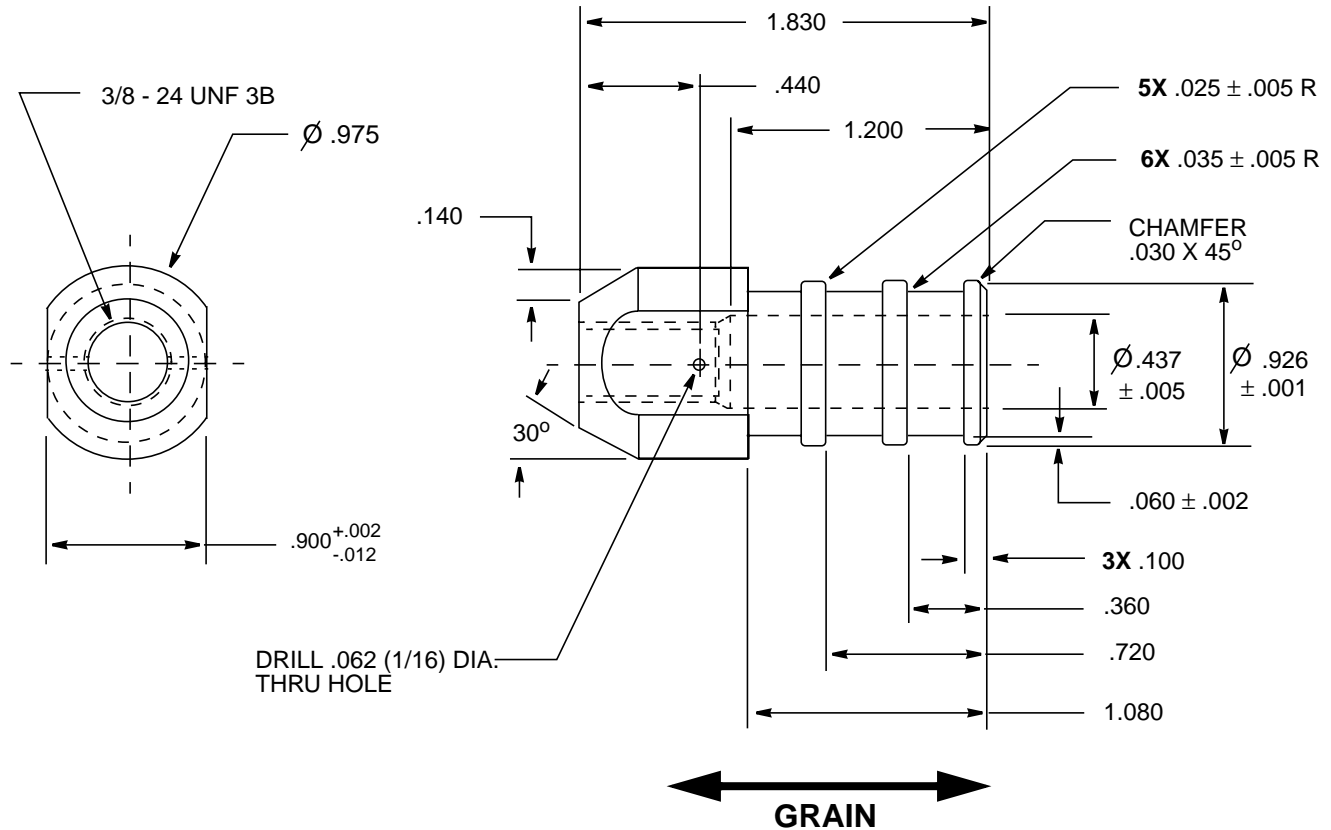
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 12

REV. -

NOT TO SCALE



CSP291E2-6

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	B. McDONALD	MAGNEFORM END FITTINGS FOR STEEL TUBES	CSP291
CHECKED	J. ROTSCH		
STRESSED	D. TODD		DATE: 28 OCT 96
APPROVED	S. HAMID		

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

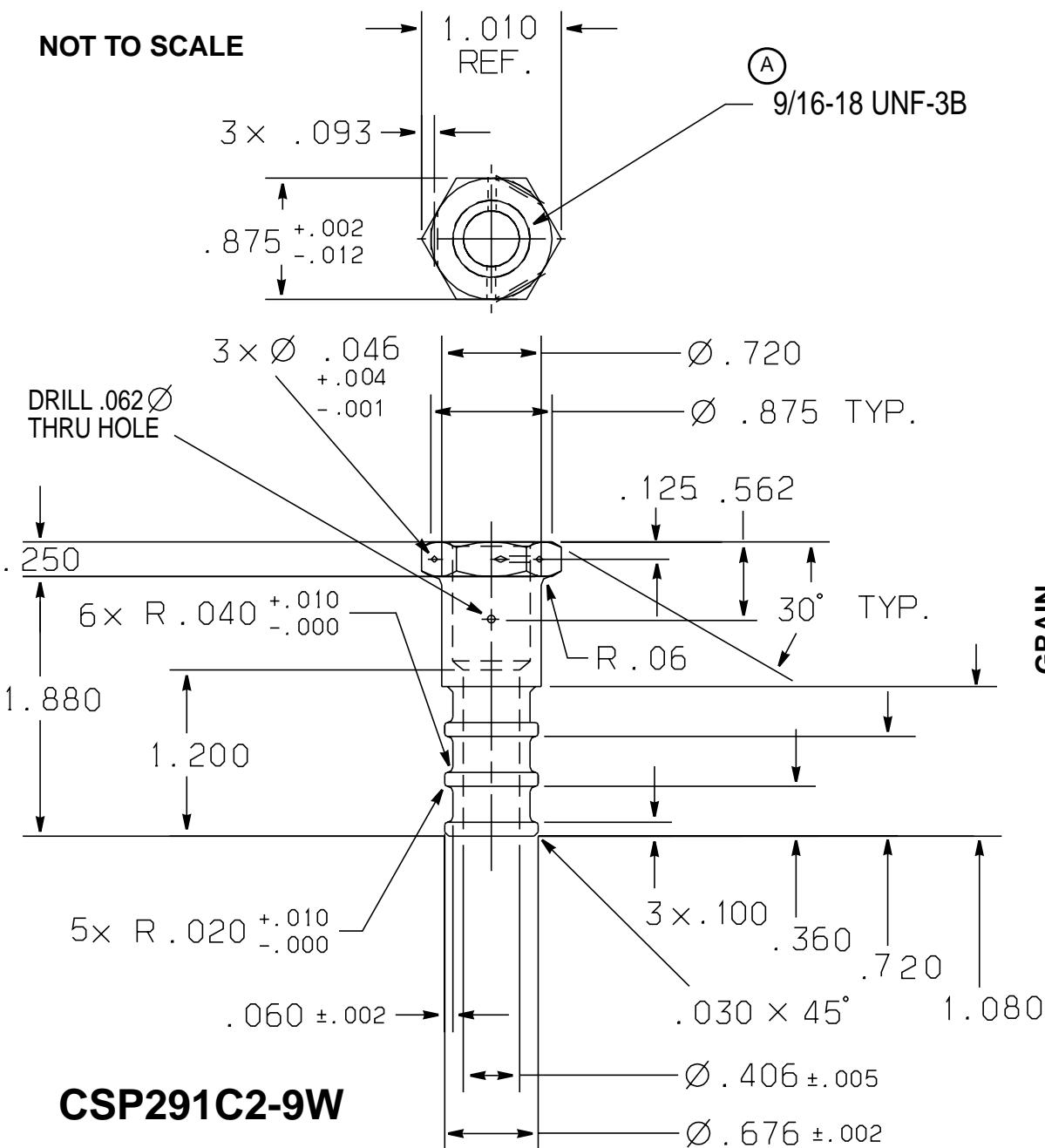
CAGE CODE 71867

CSP STANDARD

SHEET 13

REV. A

NOT TO SCALE



CSP291C2-9W

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

9/16-18 UNF-3B WAS .5625-18 UNF-3B
4 JUN 97 - B. McDONALD

(A)

DRAWN	B. McDONALD
CHECKED	J. ROTSCH
STRESSED	D. TODD
APPROVED	S. HAMID

**MAGNEFORM END
FITTINGS FOR STEEL
TUBES**

CSP291

DATE: 28 OCT 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.

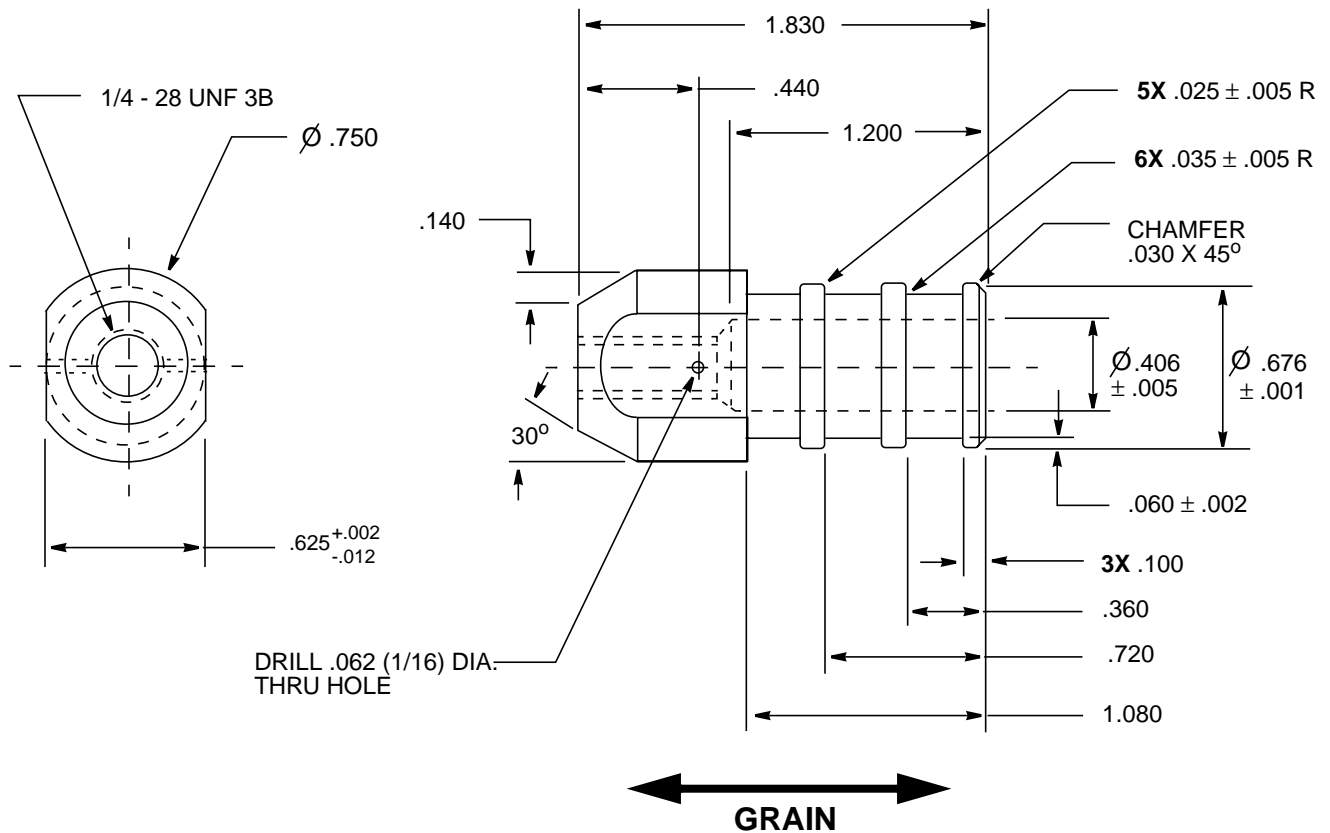
de HAVILLAND

CAGE CODE 71867
CSP STANDARD

SHEET 14

REV. A

NOT TO SCALE



CSP291C2-4

NOTES:

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS.

MATERIAL: 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	B. McDONALD
CHECKED	J. ROTSCH
STRESSED	D. TODD
APPROVED	S. HAMID

**MAGNEFORM END
FITTINGS FOR STEEL
TUBES**

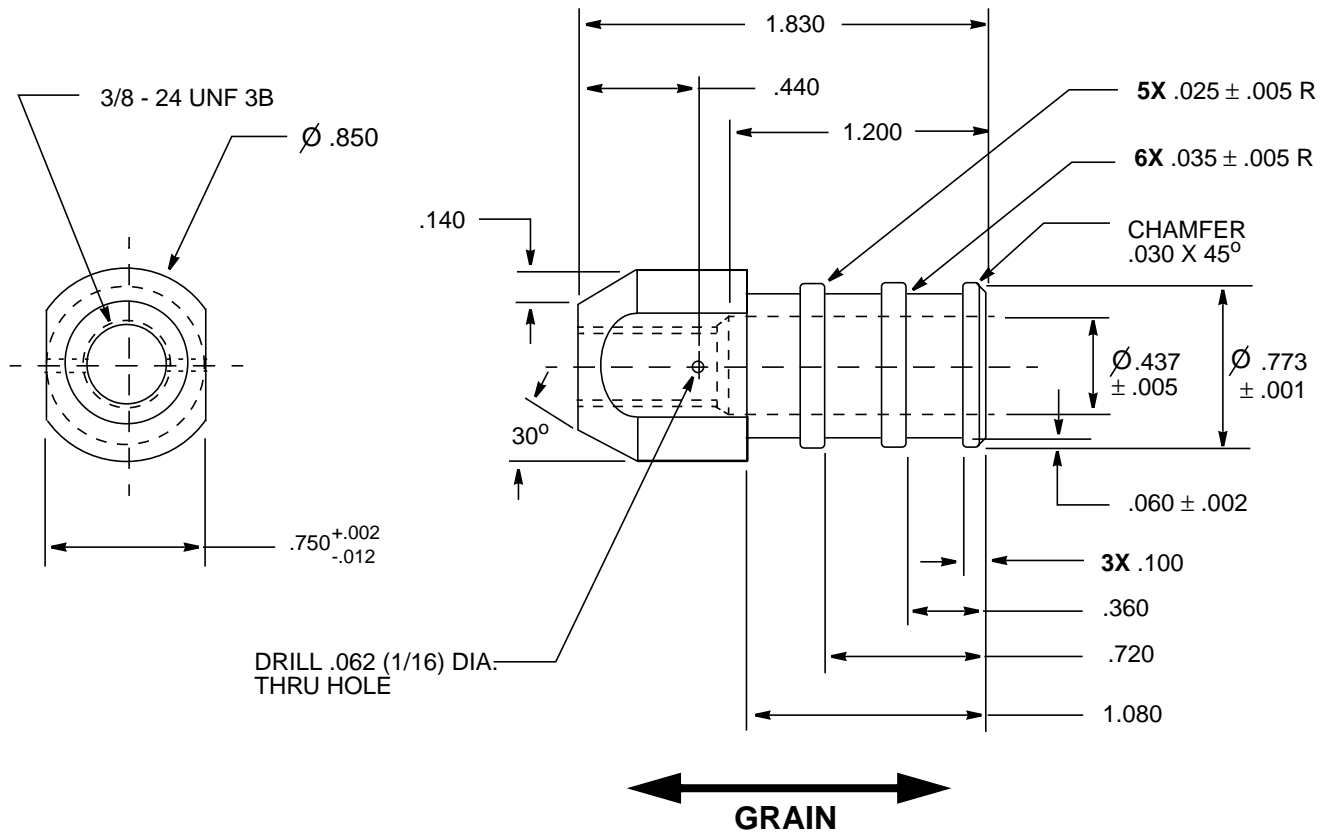
CSP291

DATE: 29 MAY 97

CSP291C2-4 WAS CSP291C1-4
DIA .406 WAS .375 - DIA .676 WAS .690
29 MAY 97 - B. McDONALD

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.

de HAVILLANDCAGE CODE 71867
CSP STANDARDSHEET **15**REV. **-****NOT TO SCALE****CSP291D3-6A****NOTES:**

1. SEE SHEET 4 FOR GENERAL MANUFACTURING NOTES AND LIMITS.

MATERIAL: 7075 T7351

SPECIFICATION: QQ-A-225/9

FINISH: A1

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	B. McDONALD	MAGNEFORM END FITTINGS FOR STEEL TUBES	CSP291
CHECKED	J. ROTSCH		
STRESSED	D. TODD		DATE: 4 JUN 97
APPROVED	S. HAMID		

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.