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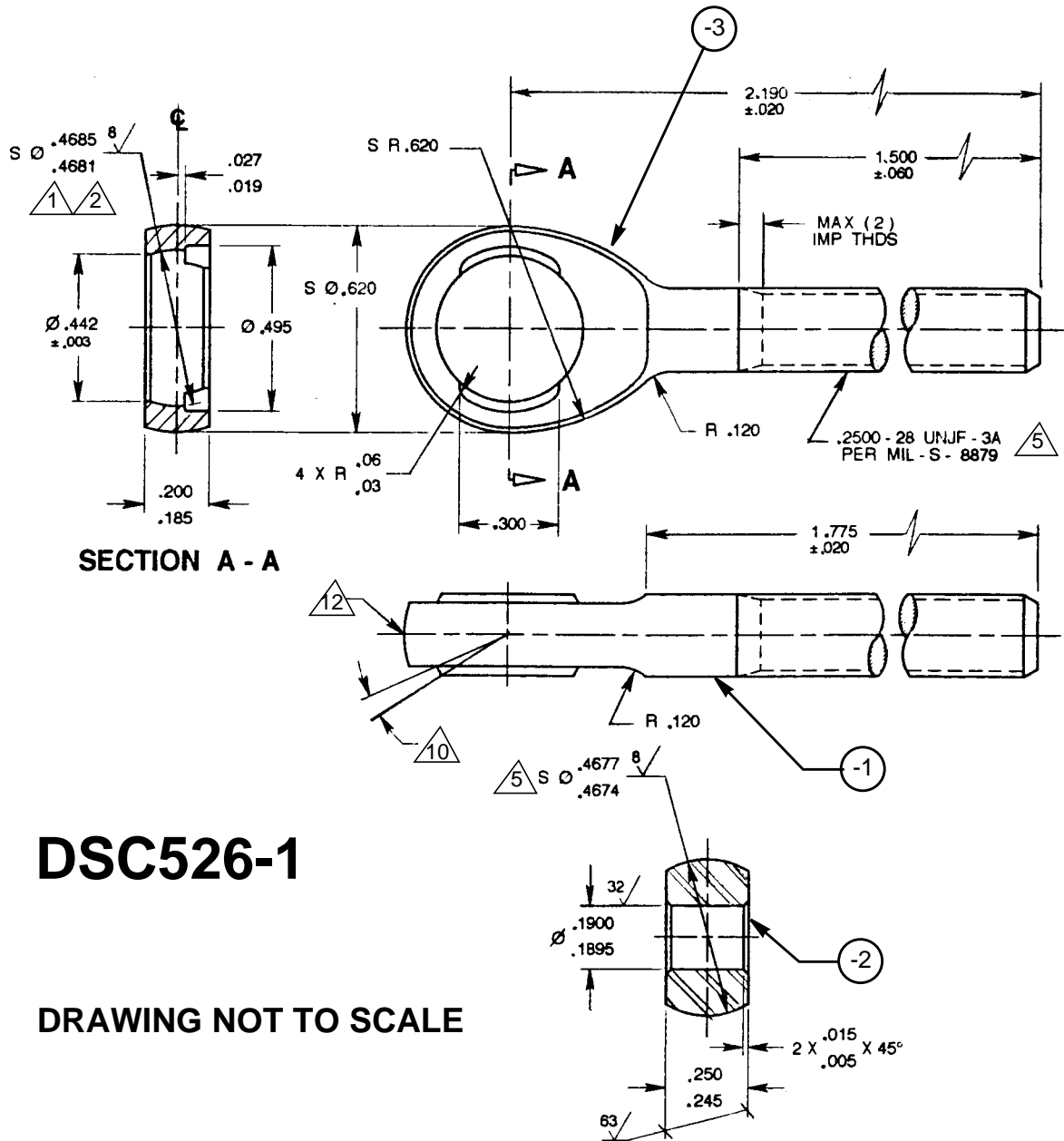
**de HAVILLAND**

CAGE CODE 71867

SOURCE CONTROL DRAWING

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SOURCE CONTROL DRAWING



**DSC526-1**

**DRAWING NOT TO SCALE**

LIST OF CURRENT SHEETS

SHEET	1	2	3							
REV	B	B	A							

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. McDONALD
CHECKED	P. LAM
STRESS	S. CHENG
APPROVED	S. HAMID

**TITLE:**  
**BEARING, ROD END, SLOTTED**  
**ENTRY, LONG THREAD**

**DSC 526**

PAGE 1 OF 3

(B) SHT 2 WAS REV A

REV:

REV:

REV:

REV:

REV: B - 31 AUG 98

REV: A - 12 DEC 97

REV: A - 12 DEC 97

REV: A - 12 DEC 97

REV: A - 12 DEC 97

REV: A - 12 DEC 97

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**NOTES:**

1. MALCOLMIZE SPHERICAL ID (ENTRY OPTIONAL) 0.004/0.008 THICK AT 1000°F. MINIMUM CASE THICKNESS AFTER LAPPING 0.002. HARDNESS R15N90 MINIMUM
2. DIAMETERS MUST BE WITHIN Ra 63 AND 0.0015 OF FINISHED SIZE PRIOR TO MALCOLMIZING AND LAPPED TO FINAL SIZE AND FINISH AFTER MALCOLMIZING.
3. MAGNETIC PARTICLE INSPECT PER MIL-STD-1949 OR ASTM E 1444, ACCEPTANCE CRITERIA PER MIL-STD-2175, GRADE C (Casting) or MIL-STD-1907, GRADE C (Bar Stock)
4. PENETRANT INSPECT PER ASTM 1417 OR MIL-STD-6866, ACCEPTANCE CRITERIA PER MIL-STD-2175, GRADE C.
5. DRY FILM LUBRICANT SPHERICAL O.D. OF BALL AND THREAD: EVERLUBE #967 (0.0001./ 0.0003). DIMENSION AND SURFACE FINISH TO BE MET BEFORE DRY FILM.
6. SCUFFING OF DRY FILM ON BALL RESULTANT FROM ASSEMBLY IS ALLOWED
7. BALL MUST ROTATE UNDER FINGER PRESSURE AT 72°F.
8. BALLS MUST BE FULLY INTERCHANGEABLE. NO SELECTIVE ASSEMBLY ALLOWED.
9. RADIAL STATIC LOAD LIMIT: 1400 LBS - ULTIMATE LOAD 2100 LBS (ENGINEERING REF)
10. BALL MISALIGNMENT CAPABILITY: 8° REF.
11. BALL MUST BE POSITIVELY RETAINED
12. PERMANENT MARK - MANUFACTURER'S ID AND PART NUMBER IN THIS AREA.
13. OPERATING TEMPERATURE RANGE: -65°F to +600°F

**MATERIAL:**

ITEM	DESCRIPTION	MATERIAL	HEAT TREAT	PROCESS
-3	BODY	(B) CASTING: 17-4 PH TO AMS5355: PER MIL-C-6021, CLASS 3, GR. B	HT1025 (145 KSI MIN) Rc 34 MIN	
		BAR: 15-5 PH TO AMS 5659	HT1025 (155 - 175 KSI) Rc 35 - 39	
-2	BALL	CASTING: STELLITE #6 TO AMS 5387	Rc 37 MIN	
-1	ASSY	-2/-3	-----	

**TOLERANCES:** UNLESS OTHERWISE NOTED

LINEAR: .XX ± .03 .XXX ± .010

(B) ANGLES: ± 2 DEGREE

BREAK SHARP EDGES: .005/.015

SURFACE FINISH:  $\sqrt{125}$

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. McDONALD	<b>TITLE:</b>  <b>BEARING, ROD END, SLOTTED ENTRY, LONG THREAD</b>	<b>DSC 526</b>
CHECKED	P. LAM		
STRESS	S. CHENG		PAGE 2 OF 3
APPROVED	S. HAMID		

(B) MATERIAL: AMS5355 was AMS 5335  
TOLERANCES: ± 2 DEGREE was ± 1/2 DEGREE

REV:

REV:

REV:

REV:

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APPROVED: 17 NOV 1997

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**APPROVED VENDORS**

DSC	ITEM	APPROVED VENDOR'S PART NUMBER			
		PSI BEARINGS	AURORA BEARING CO	VALLEY TODECO INC	NHBB
526-1	ASSEMBLY	P3A0130 (17-4) P3A1050 (15-5)	SEM-3D-2	VT A10610	AMBM3-4026

**VENDOR'S ADDRESS**

PSI BEARINGS: SUN VALLEY, CA - CAGE CODE 57606

AURORA BEARING CO.: AURORA, IL - CAGE CODE 56644

VALLEY TODECO INC.: SYLMAR, CA - CAGE CODE 06710

NEW HAMPSHIRE BALL BEARINGS INC.: LACONIA, NH - CAGE CODE 15860

**PROCUREMENT INFORMATION:**

PROCUREMENT DEPT SHALL SPECIFY THE DSC NUMBER AND MANUFACTURER'S PART NUMBER ON THE PURCHASE ORDER.

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