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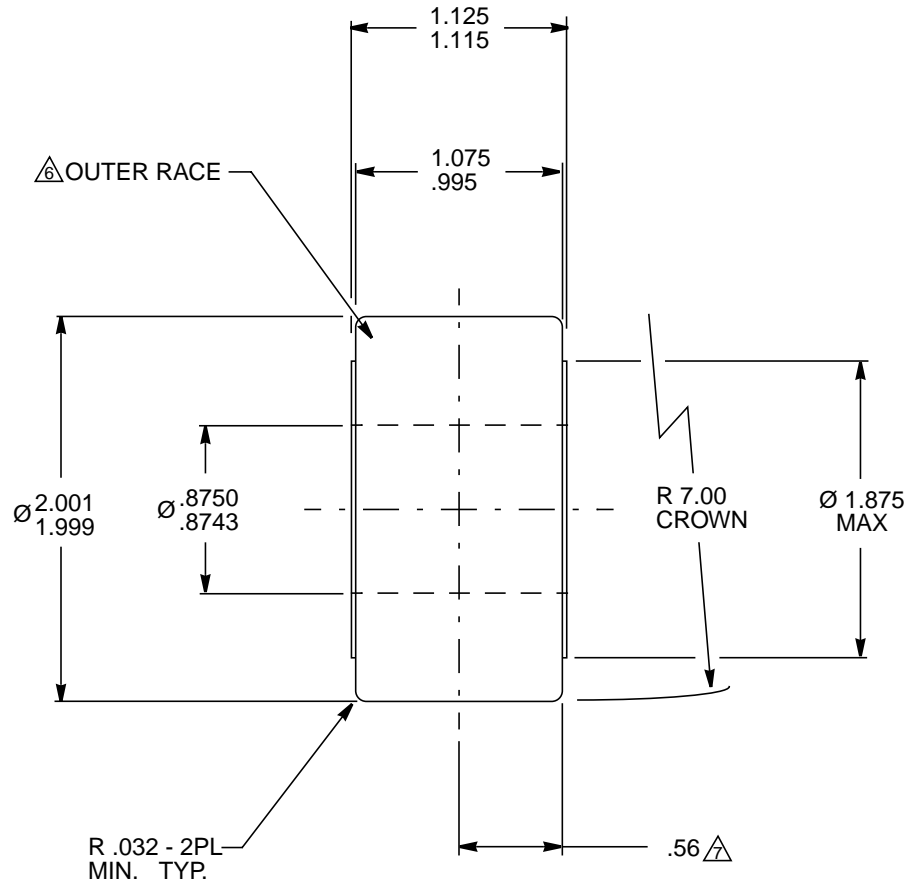
**de HAVILLAND**

**CAGE CODE 71867**

**SOURCE CONTROL DRAWING**

ONLY THE ITEM(S) LISTED ON THIS DRAWING AND IDENTIFIED BY VENDOR'S NAME(S), ADDRESS(ES) AND PART NUMBER(S) HAVE BEEN APPROVED FOR USE IN DE HAVILLAND AIRCRAFT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY DE HAVILLAND ENGINEERING STANDARDS

**SOURCE CONTROL DRAWING**



(H)

**LIST OF CURRENT SHEETS**

SHEET	1	2
REVISION	H	G

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	R. KROMKAMP	<b>BEARING, NEEDLE ROLLER, SEALED, CROWNED, FLAP TRACK</b>	<b>DSC 251</b>
CHECKED	S. SCHRATTNER		
STRESS	W. CLENNETT		
APPROVED	S. SCHRATTNER		PAGE 1 OF 2

(H) UPDATED REVISION TABLE SHEETS 1 & 2 HAVE BEEN RAISED AT ISSUES "H" & "G" RESPECTIVELY  
TRANSFERRED NOTES TO PAGE 2

APPROVED: 08 JUL 1982 REV: G - 22 JAN 2007 REV: H - 31 MAY 2010 REV: C - 06 OCT 1988 REV: D - 24 FEB 1997 REV: E 20 NOV 1997 REV: F 10 MAY 06

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**NOTES:**

1. BEARING TO BE MADE FROM BEARING QUALITY STEEL AND BE SUITABLE FOR ROLLING APPLICATIONS ON 300M (Rc 52) STEEL TRACK.
2. BEARING REQUIREMENTS:
  - MAX RADIAL PLAY = .0019
  - MAX AXIAL PLAY = .025
  - RADIAL STATIC LIMIT LOAD = 8000 LBS
  - AXIAL STATIC LIMIT LOAD = 1000 LBS (WHEN CLAMPED UP IN HOUSING)
  - RADIAL DYNAMIC LIMIT LOAD = 1300 LBS FOR 10000 CYCLES (10 REVOLUTIONS/ CYCLE)
  - ENVIRONMENT - DESERT SAND
  - TEMPERATURE -65°F TO +160°F
3. GREASE PER MIL-PRF-23827 TYPE I.
4. BEARING SHALL REMAIN COMPLETELY SERVICEABLE THROUGHOUT ENTIRE LIFE OF 10000 CYCLES AS DEFINED IN NOTE 2.
5. BEARING ROLLING TORQUE TO BE 5 - 9 In-Oz.
- ⑥ ① DSC251-1 OUTER RACE = 52100 STEEL, CHROME PLATE  
DSC251-2L OUTER RACE = 440C STEEL
- ① ② LUBRICATION CHANNEL
8. SEAL: PROVISIONS FOR GREASE ESCAPE DURING RELUBRICATION
- ⑥ 9. DSC251-1 AND DSC251-2 HAVE BEEN SUPERSEDED BY DSC251-2L (Ref: MOD 8/0792)

⑥

APPROVED SOURCE OF SUPPLY	
DSC PART NO.	SMITH BEARINGS DIV OF ACCURATE BUSHING INC.
DSC251-2L	YR-2-XC-57

**PROCUREMENT INFORMATION:**

PROCUREMENT DEPARTMENT SHALL SPECIFY THE DSC NUMBER AND THE MANUFACTURERS PART NUMBER ON THE PURCHASE ORDER.

⑥ **APPROVED VENDORS ADDRESSES AND CAGE CODES:**

SMITH BEARINGS - DIV OF ACCURATE BUSHING INC.

443 NORTH AVENUE GARWOOD  
NJ 07027 USA  
CAGE CODE: 07484

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	R. KROMKAMP	<b>BEARING, NEEDLE ROLLER, SEALED, CROWNED, FLAP TRACK</b>	<b>DSC 251</b>
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NOTE 9 ADDED  
DELTA NOTE 6 REVISED PER NOTE 9: DSC251-1 REMOVED - DSC251-2L WAS DSC251-2  
TABLE REVISED PER NOTE 9: DSC251-2L AND SUPPLIER PART NUMBER ADDED  
McGILL & HEIM REMOVED FROM THE LIST OF VENDORS AND VENDOR'S INFORMATION REVISED ACCORDINGLY

APPROVED: 08 JUL 1982 REV: G - 31 MAY 2010 REV: B - 25 MAR 1987 REV: C - 06 OCT 1988 REV: D - 24 FEB 1997 REV: E 20 NOV 1997 REV: F 10 MAY 2006