

SOURCE CONTROL DRAWING

9. OPERATING TEMPERATURE RANGE - 100⁰F TO + 300⁰F (- 73 TO + 149⁰C)
10. THE LINER SURFACE SPEED APPLICATION UP TO 10 FEET PER MINUTE (FPM).

BEARING QUALIFICATION CRITERIA

11. MAX. COF OF 0.18 SHOULD BE TESTED UNDER 14,000 PSI AT AMBIENT TEMPERATURE AND AT LOW TEMPERATURE OF - 70⁰F.
12. MAX. COF OF 0.15 SHOULD BE MEASURED ON THE NEW BEARING THROUGHOUT THE OPERATING LOAD RANGE AT AMBIENT TEMPERATURE AND AT LOW TEMPERATURE OF -65⁰F (-54⁰C).
13. RUNNING COEFFICIENT OF FRICTION (DYNAMIC COF) IS REQUIRED TO BE AS CLOSE AS POSSIBLE TO STATIC COF.
14. MAX. TOTAL DEFLECTION .010" UNDER RADIAL STATIC LIMIT LOAD.
NO PERMANENT SET DEFORMATION GREATER THAN .0035"
(AFTER THE LOAD APPLIED FOR 3 MINUTES).
15. AT ULTIMATE STATIC (RADIAL & AXIAL) LOADS; (ULT= 1.5 LIMIT)
 - BEARING COMPONENTS SHALL REMAIN INTACT WITH THE OUTER RACE IN PLACE (NO PUSH OUT OF THE BALL)
 - RACE OR BALL FRACTURE SHALL NOT OCCUR.
 - PLASTIC DEFORMATION IS ALLOWED
 - LOCAL LINER DISTRESS MAY OCCUR.
16. LINER MUST BE BONDED TO THE OUTER RACE.
17. THE BEARING AND BALL MUST BE FINGER MOVABLE THROUGH THE ENTIRE MISALIGNMENT ANGLE RANGE.

QUALIFICATION TEST

18. SUPPLIER SHALL SUBMIT A QUALIFICATION TEST PROCEDURE PLAN FOR BOMBARDIER APPROVAL.
19. FOR ENDURANCE TESTING THE SUPPLIER MAY SHOW THAT BEARING DSC 568-4 IS QUALIFIED BY SIMILARITY TO THE ENDURANCE TESTING OF BEARING DSC 567-4 PER PARAGRAPH 19 OF DSC 567.
20. THE SUPPLIER SHALL SUBMIT A QUALIFICATION TEST REPORT VALIDATING THE BEARING MEETS ALL OF THE ABOVE REQUIREMENTS.

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. EDWARDS	TITLE: BEARING, PLAIN, SELF- LUBRICATING, SELF-ALIGNING, LOW TORQUE, LOW FRICTION	DSC 568
CHECKED	U. GOLAN		
STRESS	B. YOUNG		
APPROVED	U. GOLAN		PAGE 2

PARAGRAPH 19 REVISED



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REV: A 16 DEC 2004

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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

PART NUMBER BREAKDOWN:

DSC568 - 4



BORE DIAMETER
(In 1/16ths inch)

BASIC PART NUMBER

DSC P/N	APPROVED VENDOR
	KAMATICS CORPORATION
DSC568-4	KSC414204VS

VENDOR ADDRESS AND CAGE CODE:

KAMATICS CORPORATION, BLOOMFIELD CT.- CAGE CODE 50632

PROCUREMENT INFORMATION:

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

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

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APPROVED 28 APR 2004