

APPROVED: 05 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

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 BY DE HAVILLAND INC. FOR USE IN DHI AIRCRAFT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY DE HAVILLAND INC.

SOURCE CONTROL DRAWING

NOTES

1. MAX. ADIAL PLAY: .003
2. MAX. AXIAL PLAY: .015
3. MAX. MISALIGNMENT: $\pm 4^{\circ}$
4. BEARING REQUIREMENTS
 - RADIAL STATIC LOAD: 30000 LBS MIN
 - AXIAL STATIC LOAD: 7500 LBS MIN
 - RADIAL DYNAMIC LOAD: 12000 LBS MIN FOR 10000 CYCLES (2 REVOLUTIONS PER CYCLE)
 - ENVIRONMENT: DESERT SAND
 - OPERATING TEMPERATURE: -65°F to 160°F
5. BEARING SHALL REMAIN COMPLETELY SERVICEABLE THROUGHOUT ENTIRE LIFE OF 10000 CYCLES
6. BEARING NO-LOAD ROTATIONAL TORQUE SHALL REMAIN 5 IN-LBS MAX. THROUGHOUT ENTIRE OPERATING TEMPERATURE RANGE
7. MATERIALS:
 - OUTER RACE: CRES PER AMS 5617 (CUSTOM 455) Rc 47 MIN.
 - BALL: CRES PER AMS 5629 (PH13-8MO) H1000 COND
 - LINER: MIL-B-8943
 - SEALS/SNUBBERS: PTFE ELASTOMER
8. APPLICATION: FLAP TRACK HOOK ROLLER
9. PROCUREMENT DEPT SHALL SPECIFY THE DSC AND MANUFACTURERS PART NUMBER ON THE PURCHASE ORDER.
10. REQUIREMENTS - UNLESS OTHERWISE SPECIFIED

GENERAL:

 - DIMENSIONS ARE IN INCHES
 - SURFACE ROUGHNESS 125 $\sqrt{\quad}$ MAX
 - REMOVE SHARP EDGES .015

LIMITS:

 - DECIMALS: 3 PLACE $\pm .010$
 - ANGULAR TOLERANCE: $\pm 0^{\circ} 30'$

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	B. McDONALD	TITLE: BEARING, SELF-ALIGNING, SEALED, FLAT O.D., FLAP TRACK	DSC 520 PAGE 2 OF 3
CHECKED	J JOHNSTON		
STRESS	C. REHBERG		
APPROVED	S. HAMID		

REV:

REV:

REV:

REV:

REV:

REV: A - 04 APR 2008

REV: 05 FEB 1997

APPROVED: 05 FEB 1997

ADDED DSC250-2 AND SHEET 3

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

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 BY DE HAVILLAND INC. FOR USE IN DHI AIRCRAFT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY DE HAVILLAND INC.

SOURCE CONTROL DRAWING

APPROVED SOURCES OF SUPPLY

DHI PART NO	APPROVED VENDOR KAMETICS CORP.
DSC520-1	KRP188816VT
DSC520-2	KRP256516VT

VENDORS:

KAMATICS CORPORATION, BLOOMFIELD CONNECTICUT CAGE CODE 50632

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	B.EDWARDS
CHECKED	J. MACCOLL
STRESS	E.GIOVANNETTI
APPROVED	B.EDWARDS

TITLE:
BEARING, SELF-ALIGNING,
SEALED, FLAT O.D., FLAP TRACK

DSC 520

PAGE 3 OF 3

REV:

REV:

REV:

REV:

REV:

APPROVED: 05 FEB 1997