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SOURCE CONTROL DRAWING

REV:

REV: E - 17 NOV 2011

REV: D - 21 JUN 2000

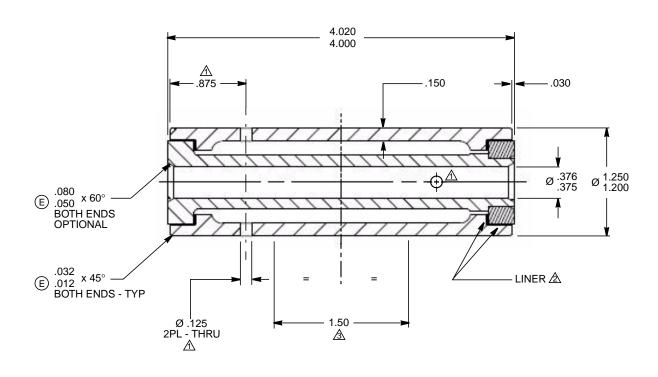
REV: C - 66 JUN 1987

REV: B - 16 JAN 1987

REV: A - 02 DEC 1985

APPROVED: 09 NOV 19 84

SOURCE CONTROL DRAWING



DSC333-1 BEARING ASSY, ROLLER

MATERIALS:

OUTER RACE: 431 CRES PER MIL-S-18732

HEAT TREATED PER AMS2759/5 TO 27-32 HRC

INNER RACE: PH13-8 Mo PER AMS5629

HEAT TREATED TO COND H-1000

LIST OF CURRENT SHEETS				
SHEET	1	2	3	
REVISION	E	А	NC	

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	B. McDONALD		DSC 333
CHECKED	P. LAM		DSC 333
STRESS	S. CHENG	ROLLER ASSEMBLY	DA OF 4 OF 0
APPROVED	S. HAMID		PAGE 1 OF 3

SHEET FOR REVISION RECORD LOAD REQUIREMENTS & NOTES TRANSFERED FROM SHEET 1
"LOADS - MIN" APPEARED AS "DSC333-BEARING REQUIREMENTS" UNDER NOTE 4
"RADIAL DYNAMIC LINIT LOAD" WAS "RADIAL STATIC LINIT LOAD"
"BERVICE LIFE REQUIREMENT APPEARED AS NOTE 5 - NOTE 6 ADDED
VENDORS' ADDRESSES & CAGE CODES AND PROCUREMENT NOTES TRANSRERED TO SHEET 3 - SEE APPROVAL."

(4)

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NOTES:

DRAINAGE HOLES TO BE LOCATED AT 12 & 6 O'CLOCK POSITIONS AT ONE END AND 3 & 9 O'CLOCK POSITIONS AT THE OTHER END IN OUTER RACE ONLY.

/2.\

LINER TO BE ATTACHED TO INSIDE FACE OF OUTER RACE AS SHOWN.

/3.\

ROLLER DIA IN THIS AREA SHALL BE 1.250/1.248.

DSC333- BEARING REQUIREMENTS:

LOADS - MIN:

RADIAL STATIC LIMIT LOAD: 1000 LBS

AXIAL STATIC LIMIT LOAD:

300 LBS

(A) RADIAL DYNAMIC LIMIT LOAD:

300 LBS

ENVIRONMENT:

DESERT SAND

TEMPERATURE:

-65° F TO +160° F

MAX RADIAL PLAY:

.003 (FREE RUNNING, NO CATCH OR BIND)

MAX AXIAL PLAY:

.040

- BEARING SHALL REMIAN COMPLETELY SERVICEABLE THROUGHOUT ENTIRE LIFE OF 10,000 CYCLES (A) 5. (10 REVOLUTIONS IN EACH DIRECTION PER CYCLE).
- ALL CHANGES TO THE ORIGINAL APPROVED DESIGN OR QUALITY SHALL BE REPORTED TO (A) 6. BOMBARDIER AEROSPACE ENGINEERING. REFUSE TO AKNOWLEDGE MAY RESULT IN MANUFACTURER BEING DISQUALIFIED.

APPROVED VENDORS' PART NUMBERS					
DSC PART NO.	ASTRO NMB KAMATICS HEIM KHAR		KHAR		
DSC333-1	ATAM15	AJR6C-101 KRP128106VT -		HSBRR06C129DE (1)	KDJ6-121
DSC333-1 AIAI	AIAWITS	AJROC-101	KKF126100V1	HSBE06C129DE	1 KD30-121
(1) SUPERSEDED PART NUMBER - INACTIVE FOR NEW DESIGN AS OF 21 JUNE 2000					

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY				
DRAWN	B. McDONALD		DSC 333][²
CHECKED	P. LAM	ROLLER ASSEMBLY	DSC 333	
STRESS	S. CHENG	ROLLER ASSEMBLI	DA O.F. 0	Š
APPROVED	S. HAMID		PAGE 2	APF

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- SOURCE CONTROL DRAWING -

SOURCE CONTROL DRAWING

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PROCUREMENT INFORMATION:

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

APPROVED VENDORS ADDRESSES AND CAGE CODES:

NEW HAMPSHIRE BALL BEARINGS INC. (NHBB) ASTRO DIVISION

155 LEXINGTON DR.

LACONIA NH 03246-2993 USA CAGE CODE: 15860

NEW HAMPSHIRE BALL BEARINGS INC. (NHBB)

NMB -MINEBEA, PRECISION DIVISION

9700 INDEPENDENCE AVE. CHATSWORTH CA 91311-4323 USA CAGE CODE: 50294

KAMATICS CORPORATION

1330 BLUE HILLS AVE.

BLOOMFIELD CT 06002-5303 USA CAGE CODE: 50632

ROLLER BEARING COMPANY RBC HEIM BEARINGS DIVISION

60 ROUND HILL ROAD

FAIRFIELD CT 06824-5172 USA CAGE CODE: 73134

DOVER ENGINEERED SYSTEMS INC. SARGENT CONTOLS & AEROSPACE - KAHR BEARING DIVISION

5675 W BURLINGAME RD.
TUCSON AZ 85743-9453
USA CAGE CODE: 97613

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

	1			
DRAWN	E. DANESH		DSC 333	
CHECKED	B. EDWARDS	ROLLER ASSEMBLY	S DOLLED ASSEMBLY	D SC 333
STRESS	E. GIOVANNETTI		DACE 2	
APPROVED	B. EDWARDS		PAGE 3	

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APPROVED: 17 NOV 2011 REV: