

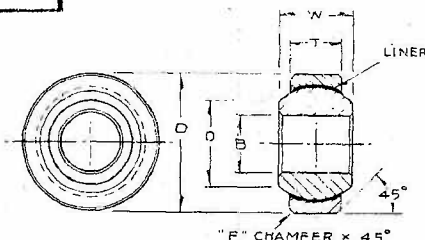
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REPORT ALL DRAWING ERRORS TO ENGINEERING

REVISIONS

LINER HAS TO BE POSITIVELY RETAINED

NOTE - THIS NOTICE IS TO VENDORS USING SINTERED BRONZE TEFLON LINERS:
IF THE BEARING IS REQUIRED FOR SALT WATER OPERATION THE VENDOR SHALL SEAL THE BEARING TO PREVENT THE INGRESS OF MOISTURE BETWEEN THE LINER AND BEARING RACE.
THE VENDOR SHALL IDENTIFY THESE BEARINGS BY ADDING THE LETTERS "SW" TO THE BEARING IDENTIFICATION.



CHANGE	ITEM NO.	DESCRIPTION	DATE	DRAWN	CHECKED	STRESS	APPROVED
C		REDRAWN TO INSTITUTE SHEET 2. RADIAL LIMIT LOAD WAS ULTIMATE LOAD. CHAMFER & MISALIGNMENT DATA ADDED. HALF CO REINSTATED. MATERIAL FOR SALT WATER OPERATION ADDED.	25 MAY 65	WPG	SCHAFER		
D		'SW' BEARINGS DELETED	17 SEPT 66				
E		STATIC AXIAL LIMIT LOAD & NOTE 3 ADDED	13.12.65				
F		COLUMN "NO-LOAD ROTATIONAL BREAKAWAY TORQUE" ADDED. FLAG NOTE 4 ADDED. EXISTING STOCK MAY BE USED AFTER INSPECTION.	23 JAN 2014	BE / DZ			RFC 3000105347

PART NUMBER	B BORE DIA	D OUTSIDE DIA	T RACE WIDTH	W BALL WIDTH	O DIA NOM	RADIAL LIMIT LOAD (LB)		MIS-ALIGNMENT MAX	F CHAMFER	STATIC AXIAL LIMIT LOAD	APPROVED VENDOR PART NUMBER	NO-LOAD ROTATIONAL BREAKAWAY TORQUE
						DYNAMIC	STATIC					
DSC-2-2	+0.0000 -0.0005	+0.0000 -0.0005	+0.005 -0.005	+0.000 -0.005	APPROX (REF)	1330	3200			65		
DSC-2-3	-1.900	-5625	-218	-281	-293	1830	4400	10°	-022	145	SEE	1 IN-LB MAX 4
DSC-2-4	-2500	-6562	-250	-343	-364	3625	7500	10°	-022	220		
DSC-2-5	-3125	-7500	-281	-375	-419	4550	9480	10°	-032	345		
DSC-2-6	-3750	-8125	-312	-406	-517	5900	12240	10°	-032	460	DSC-2	
DSC-2-7	-4375	-9062	-343	-437	-572	7125	14760	9°	-032	620		
DSC-2-8	-5000	-10000	-390	-500	-642	9175	19000	9°	-032	910	SHEET 2	2
DSC-2-9	-5625	-10937	-437	-562	-710	11075	22900	9°	-032	1245		
DSC-2-10	-6250	-11875	-500	-625	-739	14000	29000	8°	-032	1820		
DSC-2-12	-7500	-14375	-593	-750	-920	20475	42175	8°	-044	2725		
DSC-2-14	-8750	-15625	-703	-875	-980	26725	55300	9°	-044	4150		
DSC-2-16	-10000	-17500	-797	-1000	-1118	34500	73400	9°	-044	5500		

PART	MATERIAL	
	FOR STANDARD APPLICATION	FOR SALT WATER APPLICATION
BALL	STEEL - HEAT TREATED AND HARD CHROME PLATED OR STAINLESS STEEL - HEAT TREATED	STAINLESS STEEL - HEAT TREATED
RACE	STAINLESS STEEL - HEAT TREATED	STAINLESS STEEL - HEAT TREATED
LINER	CLOTH OR SINTERED BRONZE IMPREGNATED WITH TEFLON	GLASS OR DACRON CLOTH OR SINTERED BRONZE IMPREGNATED WITH TEFLON "SEE NOTE"

- MAXIMUM RADIAL CLEARANCE IS .0008
- THE BEARING BALL MUST BE MOVEABLE WITH THE FINGERS THROUGH THE MISALIGNMENT ANGLE.
NUMBERING OF PARTS
IF BEARING IS IMMERSSED IN SALT WATER OR SUBJECTED TO SALT WATER SPRAY, ADD LETTERS "SW" AS A SUFFIX TO THE PART NUMBER. EXAMPLE: DSC-2-3 SW.
- MAX. AXIAL CLEARANCE IS .005
- WHEN MEASURED PER AS81820.

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 THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED FOR THE USE IN DHC AIRCRAFT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE DE HAVILLAND AIRCRAFT OF CANADA LTD.

MOD NO	THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED		
DRAWN	DOWNSVIEW ONTARIO		
CHECKED	DRAWING TITLE		
APPROVED	BEARING		
STRESS	SELF ALIGNING · SPHERICAL · STANDARD MISALIGNMENT		
CODE IDENT NO	DWG SIZE	DRAWING NO	RELEASE
71867	B	DSC 2	P
DATE	WORK DATE	ACTUAL	SHEET 1 OF 2

VENDORS ADDRESSES:

1. Astro Div. New Hampshire Bearing Inc. 155 Lexington Dr. Laconia, NH, 03246
2. Heim Univ. Div. 60 Round Hill Rd, Fairfield, Conn. 06430
3. Kahr Bearing Corp. 3010 N. San Fernando Blvd, Burbank, CA 91503
4. Lear Siegler, Transport Dyn. Div. 3131 W. Segerstrom Ave, Santa Ana, CA 92702
5. Fafnir Bearings Div. of Textron Canada Ltd. 1 Meridian Rd, Rexdale, Ont.
6. Halfco-U.S. Bearing Div. Networks Elec. Corp. 9750 DeSoto Ave. Chatsworth, CA 91311
7. Torco ~~Inc.~~ Out of Business - Part No's, Reference only
8. NMB Corp. 9730 Independence Ave, Chatsworth, CA
9. Specline, 11185 Tuxford St, Sun Valley, CA. 91532

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THE DE HAVILLAND AIRCRAFT OF CANADA, LIMITED.

REVISIONS

CHANGE	ITEM NO.	DESCRIPTION	DATE	DRAWN	CHECKED	STRESS	APPROVED
F		ASTRO PART NOS ADDED	6/2/80	DR	DR	DR	DR
G		SPECLINE PART NUMBERS ADDED	9/9/80	DR	DR	DR	DR
H		HEIM PART NOS, NOTE ④ AND VENDOR ADDRESSES ADDED	9/11/80	DR	DR	DR	DR

PART
NUMBER

APPROVED VENDORS

ASTRO DD:	HALFCO	KAHR	FAFNIR	HEIM ④	TORCO ④	NMB DU LINED	NMB TFE LINED	ASTRO TFE LINED ②	HEIM ④	TRANSPORT DYNAMICS	SPECLINE ⑨	HEIM ④
DSC2-2				LHSSV-3	TN3SL	ABK3-25DU	ABT2-25	ADBDE2	LHSSR-2DE	03-703-02E-001	LNP 02E301	LHSSE-2DE
DSC2-3	ASB-3DU		KSBG-3N	LHSSV-4	TN4SL	ABK4-25DU	ABT3-25	3	-3DE	-03E-001	LNP 03E301	-3DE
DSC2-4	ASB-4DU	HSB-4DU	KSBG-4N	BS 8ATC21	LHSSV-5	ABK5-25DU	ABT4-25	4	-4DE	-04E-001	LNP 04E301	-4DE
DSC2-5	ASB-5DU	HSB-5DU	KSBG-5N	BS10ATC24	LHSSV-6	ABK6-25DU	ABT5-25	5	-5DE	-05E-001	LNP 05E301	-5DE
DSC2-6	ASB-6DU	HSB-6DU	KSBG-6N	BS12ATC26	LHSSV-7	ABK7-25DU	ABT6-25	6	-6DE	-06E-002	LNP 06E301	-6DE
DSC2-7	ASB-7DU	HSB-7DU	KSBG-7N	BS14ATC29	LHSSV-8	ABK8-25DU	ABT7-25	7	-7DE	-07E-001	LNP 07E301	-7DE
DSC2-8	ASB-8DU	HSB-8DU	KSBG-8N	BS16ATC32	LHSSV-9	ABK9-25DU	ABT8-25	8	-8DE	-08E-001	LNP 08E301	-8DE
DSC2-9	ASB-9DU	HSB-9DU	KSBG-9N	BS18ATC35	LHSSV-10	ABK10-25DU	ABT9-25	9	-9DE	-09E-001	LNP 09E301	-9DE
DSC2-10	ASB-10DU	HSB-10DU	KSBG-10N	BS20ATC38	LHSSV-11	ABK11-25DU	ABT10-25	10	-10DE	-10E-001	LNP 10E301	-10DE
DSC2-12	ASB-12DU	HSB-12DU	KSBG-12N	BS24ATC46	LHSSV-12	ABK12-25DU	ABT12-25	12	-12DE	-12E-001	LNP 12E301	-12DE
DSC2-14	ASB-14DU	HSB-14DU	KSBG-14N	BS28ATC50	LHSSV-14	ABK14-25DU	ABT14-25	14	-14DE	-14E-001	LNP 14E301	-14DE
DSC2-16	ASB-16DU	HSB-16DU	KSBG-16N	BS32ATC56	LHSSV-16	ABK16-25DU	ABT16-25	ADBDE16	LHSSR-16DE	03-703-16E-002	LNP 16E301	LHSSE-16DE

Notes (cont'd):

④ These numbers inactive for future order.

NOTE 1. Procurement Dept. shall specify the DSC and the manufacturer's part number on the purchase order.

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THE DE HAVILLAND AIRCRAFT OF CANADA, LIMITED.

DRAWN	SF GUNG	MAY 65
CHECKED	SCHRATTNER	
APPROVED	DSB	
MTL & STDS		
STRESS	KARBE	
CH. DRAFTN.		

REPORT ALL DRAWING ERRORS TO
ENGINEERING

DRAWING TITLE			
BEARING			
SELF ALIGNING SPHERICAL, STANDARD MISALIGNMENT			
CODE IDENT NO.	DWG SIZE	DRAWING NO.	RELEASE REV.
71867	B	DSC 2	P H
SCALE	WGTCALC	ACTUAL	SHEET 2