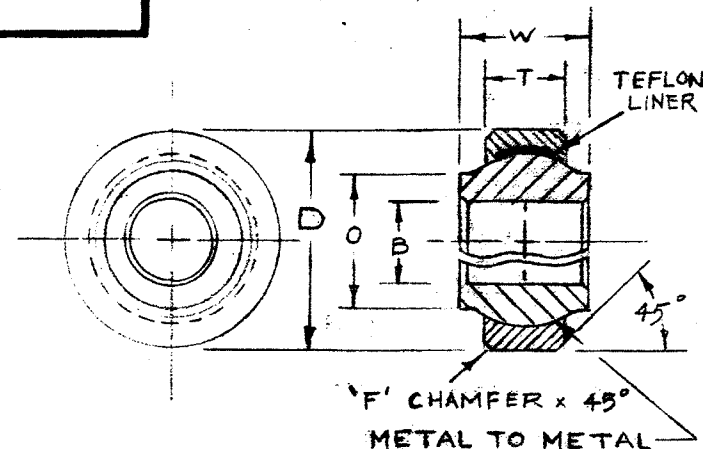


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THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED

REPORT ALL DRAWING ERRORS TO ENGINEERING



REVISIONS

CHANGE	ITEM NO.	DESCRIPTION	DATE	DRAWN	CHECKED	STRESS	APPROVED
D		REDRAWN AND REVISED	1.10.65	SPG	SK		
E		.002 RADIAL CLEARANCE ON METAL TO METAL BALL ADDED	2.6.76	RP	B		
F		STATIC AXIAL LIMIT LOADS ADDED T/DYN REMOVED FROM VENDOR COLUMN MOVED TO SHEET 2. NOTE 5 ADDED	12.4.83	RP	B		
G		VENDOR'S NAME & ADDRESS CHANGED (ON SHT 2)	23.04.86	ED	BE		

PART	MATERIAL
BALL	440C STAINLESS STEEL
RACE	17-4PH STAINLESS STEEL
LINER OR METAL TO METAL	CLOTH OR SINTERED BRONZE IMPREGNATED WITH TEFLON SEE NOTE 4

PART NUMBER	B BORE DIA + .0000 - .0005	D OUTSIDE DIA + .0000 - .0005	T RACE WIDTH + .010 - .000	W BALL WIDTH + .000 - .005	O DIA NOM APPROX (REF)	MIS-ALIGNMENT MAX.	F CHAMFER + .000 - .010	STATIC RADIAL LOAD LIMIT		STATIC AXIAL LOAD LIMIT		APPROVED VENDORS							
								TEFLON LINED	METAL TO METAL	TEFLON LINED	METAL TO METAL	ASTRO		HALFCO		KAHR		FAFNIR	
DSC-3-3	.1900	.5625	.205	.500	.319	15°	.020	5340	7200	80		ASBY-3DU	ASBY-3CRP	MSBY-3CRDU	MSBY-3CRP	KSBY-3N	KSBY-3-30	WBS-6ATH18Z	F3384
DSC-3-4	.2500	.7400	.250	.593	.390	24°	.022	8880	9500	170		-4DU	-4CRP	4		4N	4-30	8	24Z
DSC-3-4-7	.2500	.7400	.250	.513	.390	24°	.022	8880	9500	170		-4-7DU	-4-18CRP	4-7		4N-1			
DSC-3-5	.3125	.6875	.250	.625	.418	20°	.032	8880	12400	195		-5DU	-5CRP	5		5N	5-30	10	22Z
DSC-3-5-9	.3125	.7400	.250	.705	.418	22°	.032	8880	12400	170		-5-9DU	-5-26CRP	5-9		5N-2			
DSC-3-5-108	.3125	.6875	.312	.539	.400	20°	.032	10975	12400	575		-5-108DU	-5-27CRP	5-108		5N-3			
DSC-3-6	.3750	.9060	.340	.813	.512	23°	.032	15900	22000	585		-6DU	-6CRP	6		6N	6-30	12	29Z
DSC-3-6-9	.3750	1.0000	.340	.895	.512	23°	.032	15900	22000	505		-6-9DU	-6-5CRP	6-9		6N-1			
DSC-3-7	.4375	1.0000	.340	.875	.618	22°	.032	17800	26000	505		-7DU	-7CRP	7		7N	7-30	14	32Z
DSC-3-8	.5000	1.1250	.396	.937	.730	20°	.032	23750	35000	845		-8DU	-8CRP	8		8N	8-30	16	40Z
DSC-3-10	.6250	1.3750	.562	1.200	.856	20°	.044	42100	58000	2350		-10DU	-10CRP	10		10N	10-30	20	44Z
DSC-3-12	.7500	1.5625	.615	1.280	.970	19°	.044	50700	72500	2920		-12DU	-12CRP	12		12N	12-30	28	50Z
DSC-3-12-2	.7500	1.3750	.625	1.000	.937	18°	.044	44450	72500	3160		-12-2DU	-12-17CRP	12-2		12N-3			
DSC-3-14	.8750	1.7500	.620	1.400	1.140	18°	.044	56900	82000	2855		-14DU	-14CRP	14		14N	14-30	28	56Z
DSC-3-16	1.0000	2.1250	.880	1.875	1.278	21°	.044	93350	136000	5855		ASBY-16DU	ASBY-16CRP	MSBY-16CRDU	MSBY-16CRP	KSBY-16N	KSBY-16-30	WBS-32ATH68Z	F3384

- 1- LINER MUST BE POSITIVELY RETAINED.
- 2- MAX. RADIAL CLEARANCE IS .0008 ON LINED BRG & .002 ON METAL TO METAL
- 3- THE BEARING BALL MUST BE MOVEABLE BY THE FINGERS THROUGH THE MISALIGNMENT ANGLE.
- 4- ADD SUFFIX 'CRP' TO SPECIFY METAL TO METAL BRG WITH HARD CHROME PLATED BALL. EG: DSC-3-3 CRP.
- 5- MAX. AXIAL CLEARANCE IS .005 ON LINED BEARINGS & .008 ON METAL TO METAL BEARINGS.

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 DOWNSVIEW ONTARIO				
DRAWN	SPG UNG MAY 1965	DRAWING TITLE BEARING SELF-ALIGNING, SPHERICAL, MAX. MISALIGNMENT TEFLON LINED, OR METAL TO METAL, HARD CHROME PLATED BALL				
CHECKED	SCHRATTNER					
APPROVED	D.S.B.					
STRESS	HK					
		CODE IDENT NO.	DWG SIZE	DRAWING NO.	RELEASE	REV.
		71867	B	DSC-3	P	G
		SCALE	WG. CALC	ACTUAL	SHEET 1 OF 2	

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REPORT ALL DRAWING ERRORS TO ENGINEERING

THE PROCUREMENT DEPT SHALL SPECIFY THE DSC AND THE MANUFACTURERS PART NO ON THE PURCHASE ORDER

PART NUMBER	APPROVED VENDORS CONT.					
	HEIM TEFLON LINED	HEIM TEFLON LINED OLD NO	HEIM METAL TO METAL	TORCO LINED	ASTRO TEFLON LINED **	SPECLINE TEFLON LINED
DSC 3-3	LHSSR 3-16 DE	LHSSV-3-16	LHSS3-16 DE	TH 3 SL	ADBYDE 3	LYP03E203
-4	4-19 DE	4-19	4-19 DE	TH 4 SL	4	LYP04E203
-4-7	4-16 DE	4-16A	4-16 DE	TH 4100	4-7	LYP04E203-1
-5	5-20 DE	5-20	5-20 DE	TH 5 SL	5	LYP05E203
-5-9	5-22 DE	5-22A	5-22 DE	TH 5100	5-9	LYP05E203-1
-5-108	5-17 DE	5-17A	5-17 DE	TH 5102	5-108	LYP05E203-2
-6	6-26 DE	6-26	6-26 DE	TH 6 SL	6	LYP06E203
-6-9	6-28 DE	6-28A	6-28 DE	TH 6100	6-9	LYP06E203-1
-7	7-28 DE	7-28A	7-28 DE	TH 7 SL	7	LYP07E203
-8	8-30 DE	8-30	8-30 DE	TH 8 SL	8	LYP08E203
-10	10-38 DE	10-38A	10-38 DE	TH 10 SL	10	LYP10E203
-12	12-41 DE	12-41	12-41 DE	TH 12 SL	12	LYP12E203
-12-2	12-32 DE	12-32	12-32 DE	TH 12100	12-2	LYP12E203-1
-14	14-44 DE	14-44A	14-44 DE	TH 14 SL	14	LYP14E203
DSC 3-16	LHSSR 16-60 DE	LHSSV-16-60	LHSS16-60 DE	TH 16 SL	ADBYDE 16	LYP16E203

CONTINUED FROM SHEET 1

VENDORS ADDRESSES

1. ASTRO DIV. NEW HAMPSHIRE BEARING INC. 155 LEXINGTON DR. LACONIA N.H. 03246
2. HEIM UNIVERSAL DIVISION, 60 ROUND HILL RD., FAIRFIELD, CONNECTICUT 06430
3. KAHR BEARING CORP, 3010 N. SAN FERNANDO BLVD BURBANK CALIF. 91503
4. LEAR SIEGLER, TRANSPORT DYNAMICS DIVISION. 3131 W. SEGERSTROM AVE. SANTA ANA CALIF. 92702
5. FAFNIR BEARINGS DIV. OF TEXTRON CANADA LTD. 1 MERIDIAN RD REXDALE ONT.
6. HALFCO - U.S. BEARING DIV. NETWORKS ELECTRONIC CORP. 9750 DE SOTO AVE CHATSWORTH, CALIFORNIA 91311
7. TORCO BEARINGS OUT OF BUSINESS, PART NOS REFERENCE ONLY
8. NMB/MINEBEA CO., LTD., ROD END MANUFACTURING DIVISION, 4106-73 OAZA MIYOTA, MIYOTA-MACHI, KITASAKU-GUN, NAGANO-KEN, 389-0293, JAPAN
9. SPECLINE - 11185 TUXFORD ST., SUN VALLEY CALIFORNIA 91532

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REVISIONS

CHANGE	ITEM NO.	DESCRIPTION	DATE	DRAWN	CHECKED	STRESS	APPROV.
J		ASTRO PART NOS CHANGED FROM NHBYDE TO ADBYDE - NO OTHER CHANGE, BOTH ACCEPTABLE PART NUMBERS. ** ADDED	21.11.90				
K		VENDOR'S ADDRESS NO. 8 CHANGED. VENDOR'S NAME MODIFIED ON TABLE.	23.08.88				
G		TRANSPORT DYNAMICS ADDED	12.83				
H		NEW HEIM & SPECLINE NUMBERS ADDED	28.90				

APPROVED VENDORS CONT.					HEIM	TRANSPORT DYNAMICS
(K) NMB CORPORATION NMB/MINEBEA CO						
Part No.	TFE Lined	Metal to Metal	TEFLON LINED (H)	METAL TO METAL		
DSC3-3	ABYT 3-25	ABY 3-25	LHSS3-16 DE	03-558-03		
-4	ABYT 4-25	ABY 4-25	4-19 DE	-04		
-4-7	ABYT 4-7-25	ABY 4-7-25	4-16 DE			
-5	ABYT 5-25	ABY 5-25	5-20 DE	-05		
-5-9	ABYT 5-9-25	ABY 5-9-25	5-22 DE			
-5-108	ABYT 5-108-25	ABY 5-108-25	5-17 DE			
-6	ABYT 6-25	ABY 6-25	6-26 DE	-06		
-6-9	ABYT 6-9-25	ABY 6-9-25	6-28 DE			
-7	ABYT 7-25	ABY 7-25	7-28 DE	-07		
-8	ABYT 8-25	ABY 8-25	8-30 DE	-08		
-10	ABYT 10-25	ABY 10-25	10-38 DE	-10		
-12	ABYT 12-25	ABY 12-25	12-41 DE	-12		
-12-2	ABYT 12-2-25	ABY 12-2-25	12-32 DE			
-14	ABYT 14-25	ABY 14-25	14-44 DE	-14		
-16	ABYT 16-25	ABY 16-25	LHSS16-60 DE	03-558-16		

** PART NUMBER CHANGE ONLY
ADBYDE SERIES FORMERLY IDENTIFIED AS 'NHBYDE'
ASTRO DIVISION / NEW HAMPSHIRE BRGS
(SEE VENDOR ADDRESSES NOTE 1)

DRAWN	KROMKAMP
CHECKED	LINTS
STD. M&P	SCHREIBER
STRESS	Hein
CH. DRAFT	
DATE	2 JUNE 76

THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED DOWNSVIEW ONTARIO

DRAWING TITLE

BEARING, - SELF ALIGNING,

SPHERICAL MAX MISALIGNMENT, TEFLON LINED OR METAL TO METAL CHROME PLATED BALL

CODE IDENT NO.

71867

DWG SIZE

B

DRAWING NO.

DSC 3

RELEASE

REV.

K

SCALE

WGT. CALC

ACTUAL

SHEET 2