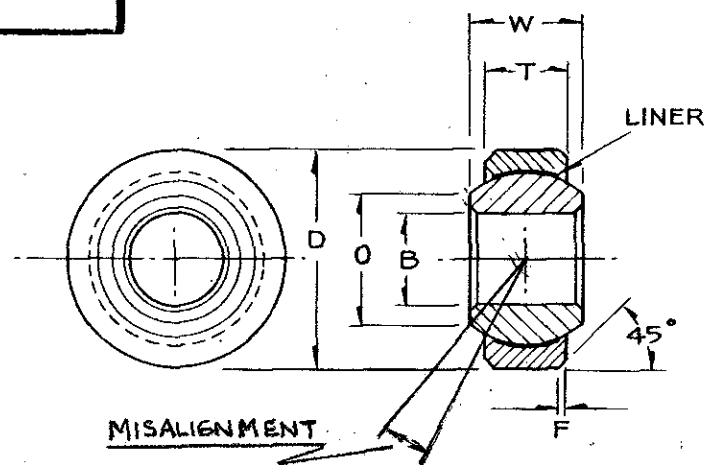


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THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED

REPORT ALL DRAWING ERRORS TO ENGINEERING



NOTES -

1. 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 BEARING BY ADDING THE LETTERS "SW" TO THE BEARING IDENTIFICATION.~~

PART NUMBER	B BORE DIA +0.000 -0.005	D OUTSIDE DIA +0.000 -0.005	F CHAMFER +0.015 -0.000	O DIA NOM APPROX (REF)	T RACE WIDTH +0.010 -0.000	W BALL WIDTH +0.000 -0.005	MISA- ALIGN- MENT	RADIAL LIMIT LOAD (LB)		STATIC AXIAL LIMIT LOAD	APPROVED HEIM PART NO (H)
								DYNAMIC	STATIC		
DSC 8-3A	.1900	.5150	.010	.249	.281	.359	15°	4200	8500	480	WE-3DEA
DSC 8-3	.1900	.6250	.010	.301	.322	.437	18°	4100	9825	670	A-3DE
DSC 8-4	.2500	.6250	.010	.301	.322	.437	18°	4100	9825	670	-4DE
DSC 8-5	.3125	.6875	.010	.401	.312	.437	16°	4425	10600	545	-5DE
DSC 8-6	.3750	.8125	.010	.471	.401	.500	11°	6600	15800	1155	-6DE
DSC 8-7	.4375	.9375	.010	.542	.437	.562	12°	8200	19600	1400	-7DE
DSC 8-8	.5000	1.0000	.020	.612	.500	.625	11°	10500	25150	1955	-8DE
DSC 8-9	.5625	1.1250	.020	.726	.531	.687	11°	12750	30500	2195	-9DE
DSC 8-10	.6250	1.1875	.020	.752	.562	.750	13°	14300	34300	2510	-10DE
DSC 8-12	.7500	1.3750	.020	.892	.625	.875	14°	18700	44900	3160	-12DE
DSC 8-14	.8750	1.6250	.020	1.051	.750	.875	7°	24700	59200	4915	-14DE
DSC 8-16	1.0000	2.1250	.020	1.274	1.000	1.375	15°	33600	80800	9215	-16DE
DSC 8-18	1.125	2.125	.020	1.397	1.000	1.250	9°	53700	112500	9215	WE-18DE

2. MAXIMUM RADIAL CLEARANCE IS .0008.

3. THE BEARING BALL MUST BE MOVEABLE WITH THE FINGERS THROUGH THE MISALIGNMENT ANGLE.

4. MAXIMUM AXIAL CLEARANCE IS .005

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 8-10-SW~~

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.

REVISIONS

CHANGE	ITEM NO.	DESCRIPTION	DATE	DRAWN	CHECKED	STRESS	APPROV
B		REDRAWN TO INSTITUTE SHEET 2. RADIAL LIMIT LOAD WAS ULTIMATE LOAD. HALFCO REINSTATED. MATERIAL FOR SALT WATER OPERATION ADDED. HEIM PART NUMBERS ADDED.	12 JUL 65 -SFG		S. SCHRATNER		
C		PART NUMBERS DSC 8-3A ADDED	4 JAN 66 SFG		S. S.		
D		"SW" BEARINGS DELETED	17 SEPT 66 S.S.				
E		MISALIGNMENT CLARIFIED	25 FEB 76				
F		DSC 8-18 ADDED	18 AUG 80				
G		STATIC AXIAL LIMIT LOAD COLUMN & NOTE 4 ADDED	20.4.83				
H		HEIM PART NOS ADDED	20.3.91		P. LAM		

MATERIAL

PART	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	GLASS CLOTH OR SINTERED BRONZE IMPREGNATED WITH TEFLON.	GLASS OR DACRON CLOTH OR SINTERED BRONZE IMPREGNATED WITH TEFLON. "SEE NOTE"

MOD NO.

DRAWN

SFG:JUL-1965

CHECKED

SCHRATNER

APPROVED

MB

STRESS

#2

THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED
DOWNSVIEW ONTARIO

DRAWING TITLE

BEARING

SELF ALIGNING SPHERICAL, STANDARD MISALIGNMENT

HEAVY DUTY

CODE IDENT NO.

71867

DWG SIZE

B

DRAWING NO.

DSC 8

RELEASE

P

REV.

H

SCALE

WGT. CALC.

ACTUAL

SHEET 1 OF 2

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REPORT ALL DRAWING ERRORS
TO ENGINEERING

REVISIONS

CHANGE	ITEM NO.	DESCRIPTION	DATE	DRAWN	CHECKED	STRESS	APPROVED
E		REDRAWN, TD, HEIM, & ASTRO PART NUMBERS ADDED	23 26 76	PK	PK	PK	PK
F		DSC 8-18 & VENDORS: ASTRO & NMB ADDED	18 80	PK	PK	PK	PK
G		SPECLINE PART NOS ADDED	26 90	PK	PK	PK	PK
H		ASTRO PART NOS & NOTE ⑤ ADDED	27 90	PK	PK	PK	PK

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

⑤ THESE PART NUMBERS INACTIVE FOR FUTURE PURCHASE
VENDOR'S ADDRESS

- Astro Div., New Hampshire Ball Bearings Inc.,
155 Lexington Dr., Laconia, New Hampshire. 03246
- Halfco - U. S. Bearing Corp., 9750 Desoto Ave., Chatsworth, Calif.

DHC PART NUMBER	APPROVED VENDOR'S PART NUMBER									
	Astro ⑤ Part No.	Halfco Part No.	Kahr Part No.	Heim Old No. ⑤ New No. ⑤	Tor-Co ⑤	Transport Dynamics	Astro ⑤ New Part No.	NMB		⑥
								TFE Lined	DU Lined	SPECLINE
DSC.8-3.A	AW-3SP12				WR-3DEA	03-704-03-002	NHWDE3-1	ABWT 3A25	ABW 3A25 DU	LWP03E308-1
DSC.8-3	AW-3-5DU	HU-3-5DU	KWB-3 N	WV-3 -3DE	TW 3-5SL	03-704-03E-001	3	ABWT 3-25	ABW 3-25 DU	LWP03E308
DSC.8-4	AW-4 DU	HU-4 DU	KWB-4 N	WV-4 -4DE	TW 4-SL	-04E-002	4	ABWT 4-25	ABW 4-25 DU	LWP04E308
DSC.8-5	AW-5 DU	HU-5 DU	KWB-5 N	WV-5 -5DE	TW 5-SL	-05E-001	5	ABWT 5-25	ABW 5-25 DU	LWP05E308
DSC.8-6	AW-6 DU	HU-6 DU	KWB-6 N	WV-6 -6DE	TW 6-SL	-06E-001	6	ABWT 6-25	ABW 6-25 DU	LWP06E308
DSC.8-7	AW-7 DU	HU-7 DU	KWB-7 N	WV-7 -7DE	TW 7-SL	-07E-001	7	ABWT 7-25	ABW 7-25 DU	LWP07E308
DSC.8-8	AW-8 DU	HU-8 DU	KWB-8 N	WV-8 -8DE	TW 8-SL	-08E-001	8	ABWT 8-25	ABW 8-25 DU	LWP08E308
DSC.8-9	AW-9 DU	HU-9 DU	KWB-9 N	WV-9 -9DE	TW 9-SL	-09E-001	9	ABWT 9-25	ABW 9-25 DU	LWP09E308
DSC.8-10	AW-10 DU	HU-10 DU	KWB-10N	WV-10 -10DE	TW10-SL	-10E-001	10	ABWT 10-25	ABW 10-25 DU	LWP10E308
DSC.8-12	AW-12 DU	HU-12 DU	KWB-12N	WV-12 -12DE	TW12-SL	-12E-001	12	ABWT 12-25	ABW 12-25 DU	LWP12E308
DSC.8-14	AW-14 DU	HU-14 DU	KWB-14N	WV-14 -14DE	TW14-SL	-14E-001	14	ABWT 14-25	ABW 14-25 DU	LWP14E308
DSC.8-16	AW-16 DU	HU-16 DU	KWB-16N	WV-16 -16DE	TW16-SL	03-704-16E-001	NHWDE16	ABWT 16-25	ABW 16-25 DU	LWP16E308
DSC.8-18	AW-18SP15							ABWT 18-101		LWP18E308

- Sargent Industries, Kahr Bearing Div.,
3010 N. San Fernando Blvd., Burbank, Calif. 91503
- Heim Bearing Co., 60 Roundhill Rd., Fairfield Conn.
- Lear Siegler, Transport Dynamics Div.,
3131 West Segerstron Ave., Santa Ana, Calif. 92702
- Torco - Out of Business - Ref. Only
- SPECLINE - 11185 Tuxford St, Sun Valley, Cal. 91352
- NMB Corporation
9730 Independence Ave.,
Chatsworth, CAL 91311

DSC8	ASTRO ⑥
-3A	ADWDE3-1
-3	ADWDE3
-4	ADWDE4
5	ADWDE5
6	ADWDE6
7	ADWDE7
8	ADWDE8
9	ADWDE9
10	ADWDE10
12	ADWDE12
14	ADWDE14
16	ADWDE16
18	ADWDE18

DRAWN	SF GUNG
CHECKED	SCHRATTNER
STD, M&P	DSB
STRESS	H. KARBE
CH. DRAFT	
DATE	

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SHEET 2 of 2

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