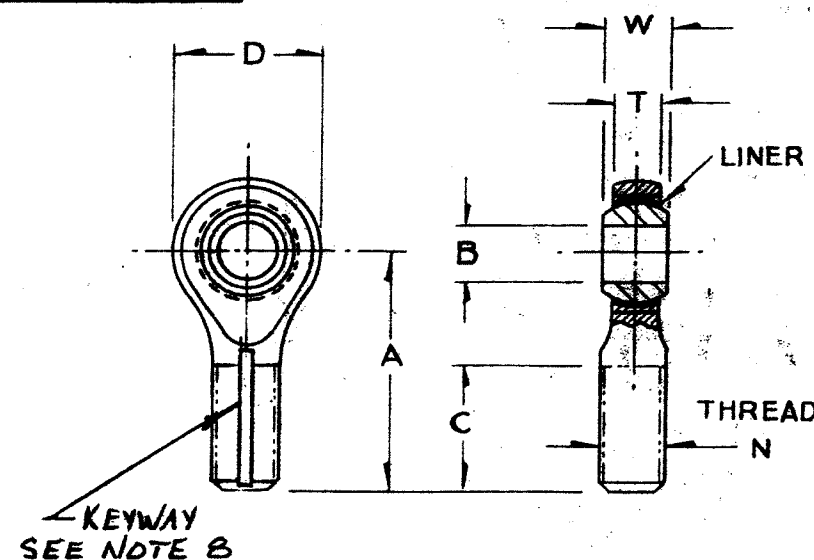


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THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED

REPORT ALL DRAWING ERRORS TO ENGINEERING

PART	MATERIAL
BALL	STEEL HARD CHROME PLATED OR STAINLESS STEEL
HOUSING	STAINLESS STEEL
LINER	CLOTH OR SINTERED BRONZE IMPREGNATED WITH TEFLON
RACE	STAINLESS STEEL



REVISIONS					
CHANGE	ITEM NO.	DESCRIPTION	DATE	DRAWN	CHECKED
C		REDRAWN. "LIMIT" CHANGED TO "ULTIMATE". MATERIAL AND NOTES REGARDING "SALT WATER" WERE DELETED. RADIAL LOADS REVISED. AT DSC-6-4 DIM "D" WAS .750. 3-PIECE BEARING ACCEPTABLE. DSC 6-6 "D" WAS 1.000	15 JUL 66 SFG		SCHMIDTNER
D		DSC 6-5 "D" DIM. WAS .875	17 MAY 67		
E		MATERIAL OPTION FOR BALL DELETED - RACE ADDED	20 MAY 67		
H		DSC 6-5A ADDED	9 JUL 67		
J		VENDOR'S NAME CHANGED (ON NOTE # 1, SHT 2)	23 OCT 68	ED	

NOTES —

- ~~1. MIN AXIAL LOAD TO BE 10% OF ULT RADIAL STATIC LOAD.~~
2. ULT RADIAL STATIC LOAD - CATASTROPHIC FAILURE.
3. THE BEARING BALL MUST BE MOVEABLE WITH THE FINGERS THROUGH THE MISALIGNMENT ANGLE.
4. LINER HAS TO BE POSITIVELY RETAINED.
5. THREE PIECE BEARING CONSTRUCTION IS ACCEPTABLE IF THE BEARING IS RETAINED POSITIVELY BY AN ANNULAR SWAGING METHOD IN THE BANJO HOUSING.
6. MAXIMUM RADIAL CLEARANCE .0008.
7. MAXIMUM AXIAL CLEARANCE .005.
8. KEYWAY SHALL BE ORIENTED ALONG THE CENTRE-LINE OF THE THREADED SHANK. THE PLANE OF THE BOTTOM OF THE KEYWAY SHALL BE PARALLEL TO THE PLANE MADE BY THE FACE OF THE ROD END HOOP.

PART NUMBER	N	A	B	C	D	T	W	MISA-LIGN MENT MAX	RADIAL LOAD ULTIMATE DYNAMIC	STATIC	STATIC AXIAL LIMIT LOAD	
	UNF 3A THREAD	+.060 -.060	+.0000 -.0005	+.060 -.060	MAX	+.005 -.005	+.000 -.005					
DSC 6-4	5/16-24	1.562	.2500	1.000	.875	.281	.375	14°	3700	6000	370	
DSC 6-5	3/8-24	1.875	.3125	1.250	.900	.344	.437	12°	6000	9300	735	
DSC 6-6	7/16-20	1.938	.3750	1.250	1.062	.406	.500	11°	8100	13250	1155	
DSC 6-7	1/2-20	2.125	.4375	1.375	1.125	.437	.562	12°	10200	15700	1350	
DSC 6-8	5/8-18	2.438	.5000	1.500	1.312	.500	.625	11°	12900	22400	1905	
DSC 6-10	3/4-16	2.625	.6250	1.625	1.500	.562	.750	13°	17700	27000	2450	
DSC 6-12	7/8-14	2.875	.7500	1.750	1.750	.687	.875	11°	25500	41000	3965	
DSC 6-5A	3/8-24	2.685	.3125	2.000	.900	.344	.437	12°	6000	9300	735	

NUMBERING OF PARTS —

IF A LEFT HAND THREAD IS REQUIRED, ADD LETTER "L" AS A PREFIX TO THE BASIC DASH NUMBER. EXAMPLE: DSC-6-L-5.

IF "KEYWAY" IS REQUIRED, SLOT SHANK TO NAS-559. TO INDICATE KEYWAY, ADD LETTER "K" AS A SUFFIX TO THE DASH NUMBER. EXAMPLES: DSC-6-5-K
DSC-6-L-5-K

▶ AVAILABLE IN DHC STOCK.

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	SFGUNG JUL 66	DRAWING TITLE			
CHECKED		BEARING ROD END			
APPROVED		EXTERNALLY THREADED, SELF ALIGNING SPHERICAL HEAVY DUTY			
STRESS					
		CODE IDENT NO.	DWG SIZE	DRAWING NO.	RELEASE
		71867	B	DSC 6	P
		SCALE	WGT. CALC	ACTUAL	SHEET 1 OF 2

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REPORT ALL DRAWING ERRORS TO ENGINEERING

REVISIONS

REV	DATE	DESCRIPTION	BY	CHKD	APPD	REMARKS
A		ASTRO PART NOS & NOTE ② ADDED	22/60			
J		DSC 6-5A & TD PART NO ADDED	9/7/91			
K		VENDOR'S NAME CHANGED ON NOTE 1 & TABLE	23/08/08	ED		

NOTE - THE PROCUREMENT DEPT SHALL SPECIFY THE DSC AND THE MANUFACTURERS PART NUMBER ON THE PURCHASE ORDER.

① ② THESE PART NUMBERS INACTIVE FOR FUTURE ORDER

PART NO	ASTRO DU LINED	OLD ASTRO TFE LINED ②	NEW ASTRO TFE LINED ②	KAHR	HEIM ②	HEIM ②	TORCO ②	TRANSPORT DYNAMICS	NMB / MINEBEA CO. ② NMB CORP. TFE LINED	HEIM ②	ASTRO ②
DSC 6-4	AREM-4-53	ATNE-4-53	NHNEDE-4	KBNE 4-83	HMV-4DE	HMR-4DE	TQ 4SL	01-402-04E-001	ART 4E11	MSSR-4DE	ADNEDE 4
-5	AREM-5-5	-5-52	-5	5-83	-5DE	HMR-5DE	TQ 5SL	-05E-001	ART 5E11	MSSR-5DE	ADNEDE 5
-6	ARB-6E-53	-6-52	-6	6-83	-6DE	HMR-6DE	TQ 6SL	-06E-001	ART 6E11	MSSR-6DE	ADNEDE 6
-7	ARB-7E-5	-7-52	-7	7-83	-7DE	HMR-7DE	TQ 7SL	-07E-001	ART 7E11		ADNEDE 7
-8	AREM-8-5	-8-52	-8	8-83	-8DE	HMR-8DE	TQ 8SL	-08E-001	ART 8E11		ADNEDE 8
-10	ARB-10E-5	-10-52	-10	10-83	-10DE	HMR-10DE	TQ 10SL	-10E-001	ART 10E11		ADNEDE 10
DSC 6-12	ARB-12E-5	ATNE-12-52	NHNEDE-12	KBNE 12-83	HMV-12DE	HMR-12DE	TQ 12SL	01-402-12E-001	ART 12E11		ADNEDE 12
DSC 6-5A							⑦ 01-402-05E-002				

NOTE

1. IF A LEFT HAND THREAD IS REQUIRED, ADD 'L' TO THE PART NUMBER AS SHOWN EXCEPT AS SHOWN, SPECLINE PREFIX '50' BECOMES '52'

SPECLINE - 52E0X600

ASTRO - AREML, ARBL, ATNEL, NHNEDEL

KAHR - KBNEL

HEIM - HMLV, HMLR

TORCO - TQL

TRANSPORT DYNAMICS - PREFIX CHANGES FROM 01 TO 11 ie 11-402-04E-001

⑧ ~~NMB~~ - ARTL

NMB / MINEBEA CO.

3. IF KEYWAY IS REQ'D ADD SUFFIX 'W' TO SPECLINE PART NO
ie 5DE04-600W

PART NO	SPECLINE ⑧	HEIM ⑧
DSC 6-4	5DE04-600	MSSE-4DE
-5	5DE05-600	MSSE-5DE
-6	5DE06-600	MSSE-6DE

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DRAWN	S.F. GUNG	THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED DOWNSVIEW ONTARIO			
CHECKED		DRAWING TITLE			
STD. M&P		BEARING - ROD END			
STRESS		EXTERNALLY THREADED, SELF-ALIGNING SPHERICAL, HEAVY DUTY			
CH. DRAFT		CODE IDENT NO.	DWG SIZE	DRAWING NO.	RELEASE
DATE		71867		DSC 6	K
		SCALE	WGT. CALC	ACTUAL	SHEET 2 OF 2