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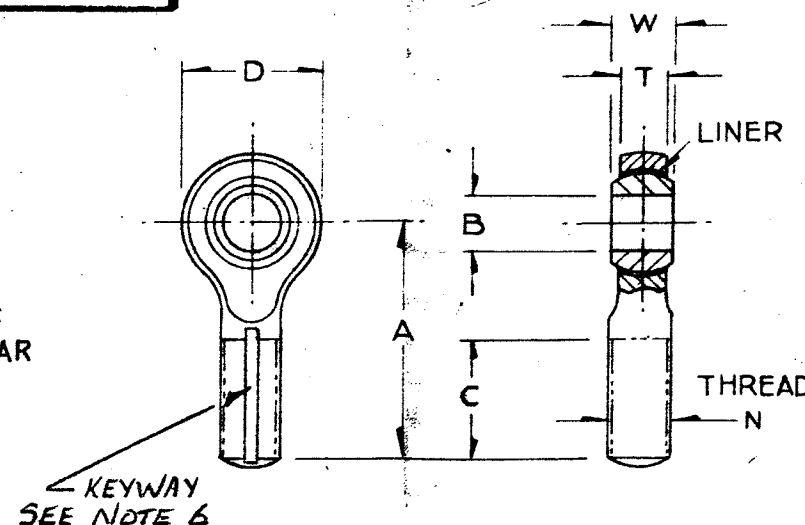
REPORT ALL DRAWING ERRORS TO ENGINEERING

REVISIONS

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.

MAXIMUM AXIAL CLEARANCE .005
MAXIMUM RADIAL CLEARANCE IS .0008.



CHANGE	ITEM NO	DESCRIPTION	DATE	DRAWN	CHECKED	STRESS	APPROV
D		REDRAWN. "LIMIT" CHANGED TO "ULTIMATE" MATERIAL & NOTES REGARDING "SALT WATER" WERE DELETED. AT DSC 4-3A COLUMN "D"; DIM .625 WAS .562. RADIAL LOADS & MISALIGNMENT ANGLES REVISED. AT DSC 4-8 DIM "D" WAS 1.093 3-PIECE BEARINGS ACCEPTABLE. DSC 4-3 "D" WAS .750; DSC 4-5 "D" WAS .875	SFG 30 JUNE 1966				
E		DSC 4-3-C ADDED	7 June 68 SFG				
H		VENDOR'S NAME & ADDRESS CHANGED (ON SHT. 2)	23 Oct 68 ED				
G		KEYWAY & NOTE 6 ADDED	24/6/64 R				

PART NUMBER	N UNF 3A THREAD	A +.060 -.060	B +.0000 -.0005	C +.060 -.060	D DIA MAX	T MAX	W +.000 -.005	MISA- LIGN- MENT MAX	RADIAL LOAD ULTIMATE		STATIC AXIAL LIMIT LOAD	
									DYNAMIC	STATIC		
* DSC 4-3 C	3/16-24	1.620	1.900	1.050	.750	.240	.281	9°	2400	4800	120	
▶ DSC 4-3 A	1/4-28	1.000	1.900	.593	.625	.197	.250	10°	1800	3200	30	
▶ DSC 4-3	1/4-28	1.406	1.900	.813	.781	.328	.437	17°	4100	5600	560	
▶ DSC 4-4	3/8-24	1.906	2.500	1.187	1.000	.438	.593	20°	5800	9200	920	
DSC 4-5	5/16-24	1.875	3.125	1.250	.906	.344	.437	10°	5350	7250	675	
DSC 4-6	3/8-24	1.937	3.750	1.250	1.000	.335	.500	16°	6000	7900	530	
DSC 4-8	1/2-20	2.468	5.000	1.562	1.182	.390	.500	9°	7800	9000	870	
DSC 4-10	5/8-18	2.656	6.250	1.687	1.500	.562	.750	12°	15300	17800	1780	
DSC 4-12	3/4-16	2.906	7.500	1.562	1.750	.600	.875	10°	18800	25000	2500	

- * Material of housing, 4130 steel - (exterior surfaces cadmium plated.) or Stainless Steel
▶ AVAILABLE IN DHC STOCK.

NUMBERING OF PARTS —

IF A LEFT HAND THREAD IS REQUIRED, ADD LETTER "L" AS A PREFIX TO THE BASIC DASH NUMBER.
EXAMPLE: DSC 4-L-3.

IF "KEYWAY" IS REQUIRED, SLOT SHANK TO NAS-559. TO INDICATE KEYWAY, ADD LETTER "K" AS A SUFFIX TO THE DASH NUMBER EXAMPLE: DSC 4-3-K
DSC 4-L-5-K

6. KEYWAY SHALL BE ORIENTED ALONG THE CENTRELINE 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.

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.

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

MOD NO.		THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED DOWNSVIEW ONTARIO				
DRAWN	SFG JUNG JUN 1966	DRAWING TITLE				
CHECKED	S.B.	BEARING, ROD END				
APPROVED		EXTERNALLY THREADED, SELF ALIGNING SPHERICAL				
STRESS						
		CODE IDENT NO.	DWG SIZE	DRAWING NO.	RELEASE	REV
		71867	B	DSC 4	P	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
M		VENDOR'S ADDRESS NO. 6 CHANGED. VENDOR'S NAME MODIFIED ON TABLE.	23 Oct 08	ED	PK
J		HEIM & SPECLINE PART NOS ADDED	14.6.90	PK	PK
K		SPECLINE ADDRESS & NOTE ④ ADDED	14.11.90	PK	PK
L		Removed SPECLINE (REF. RFC 169958)	20.9.2008	BE	BE

VENDORS ADDRESSES

1. ASTRO DIV NEW HAMPSHIRE BEARING INC. 155 LEXINGTON DR. LACONIA NEW HAMPSHIRE 03246
2. HEIM UNIVERSAL DIVISION, 60 ROUND HILL RD, FAIRFIELD, CONNECTICUT 06430
3. KAHR BEARING CORP, 3010 N SAN FERNANDO BLVD BURBANK CALIFORNIA 91503
4. LEAR SIEGLER, TRANSPORT DYNAMICS DIV. 3131 WEST SEGERSTROM AVE, SANTA ANA CALIF. 92707
5. TORCO NO LONGER IN BUSINESS
6. NMB/MINEBEA CO., LTD., ROD END MANUFACTURING DIVISION, 4106-73 OAZA MIYOTA, MIYOTA MACHI, KITASAKU-GUN, NAGANO-KEN, 389-0293, JAPAN

PART NUMBER	APPROVED VENDORS									
	ASTRO DU LINED	ASTRO ④ TFE LINED	ASTRO ④ TFE LINED	TORCO ④	HEIM ④ (OLD NR)	HEIM ④ (NEW NR)	TRANSPORT DYNAMICS	KAHR	NMB/MINEBEA CO. CORPORATION	HEIM ④ ⑤
DSC 4-3C	ARB-3E20	ATNE-3-3	NHNEDE3-3	TE 3100	MV-3A	MR-3DEB	77442-03C		ART3CE 10	MSSRR-3DBA
-3A	HOE-3DU	ATNE-3-3	3-2	T23SL	MV-3A	-3DEA	-03A		ART3AE 10	-3DBB
-3	ARB-3E50	-3-50	3-1	TE3SL	MV-3B	-3DE	-03	KBNE 3-88	ART3E 10	-3DBC
-4	ARB-4E50	-4-51	4-1	TE4SL	-4A	-4DE	-04	4-88	ART4E 10	-4DB
-5	ARB-5E50	-5-50	5-1	TE5SL	-5DE	-5DE	-05	5-88	ART5E 10	-5DB
-6	HE-6-5	-6-50	6-1	TE6SL	-6DE	-6DE	-06	6-88	ART6E 10	-6DB
-8	ARB-8E50	-8-50	8-1	TE8SL	-8DE	-8DE	-08	8-88	ART8E 10	-8DB
-10	HE-10-5	-10-50	10-1	TE10SL	-10DE	-10DE	-10	10-88	ART10E10	-10DB
DSC 4-12	HE-12-5	ATNE-12-50	NHNEDE12-1	TE12SL	MV-12DE	MR-12DE	77442-12	KBNE12-88	ART12E10	MSSRR-12DB
DSC 4-3C	HE-3-1/2DU									

7. SPECLINE - 11185 Tuxford St, Sun Valley, CA. 91352, USA

PART NUMBER	SPECLINE ①
DSC 4-3C	50E03-309-1
-3A	50E03-309-2
-3	50E03-309
-4	50E04-309
-5	50E05-309
-6	50E06-309
-8	50E08-309
-10	50E10-309
DSC 4-12	50E12-309

NOTES

1. TO INDICATE KEYWAY-USE SUFFIX 'W' INSTEAD OF 'K' IF BEARING IS BOUGHT FROM KAHR OR SPECLINE
2. IF A LEFT HAND THREAD IS REQ'D, ADD 'L' TO THE VENDOR PART NUMBER AS SHOWN; SPECLINE PREFIX CHANGED TO '52' ie 52E03-309
ASTRO-HEL, ARBL, HOEL, ATNEL, NHNEDEL
KAHR-KBNE
HEIM-MLV, MLR
TORCO-TEL, TZL
TRANSPORT DYNAMICS-CHANGE FIRST DIGIT TO 6 IE. 67442-10
3. THE PROCUREMENT DEPT. SHALL SPECIFY THE DSC AND THE MANUFACTURER'S PART NUMBER ON THE PURCHASE ORDER

④ THESE NUMBERS INACTIVE FOR FUTURE ORDERING.

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DRAWN	SFGUNG	THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED DOWNSVIEW ONTARIO			
CHECKED	OS. BUNWATER				
STD. M&P		DRAWING TITLE BEARING - ROD END			
STRESS	M. LIUDEN				
CH. DRAFT		EXTERNALLY THREADED - SELF ALIGNING SPHERICAL			
DATE					
		CODE IDENT NO.	DWG SIZE	DRAWING NO.	RELEASE
		71867	B	DSC 4	M
		SCALE	WGT. CALC	ACTUAL	SHEET 2