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REPORT ALL DRAWING ERRORS  
TO ENGINEERING

REVISIONS

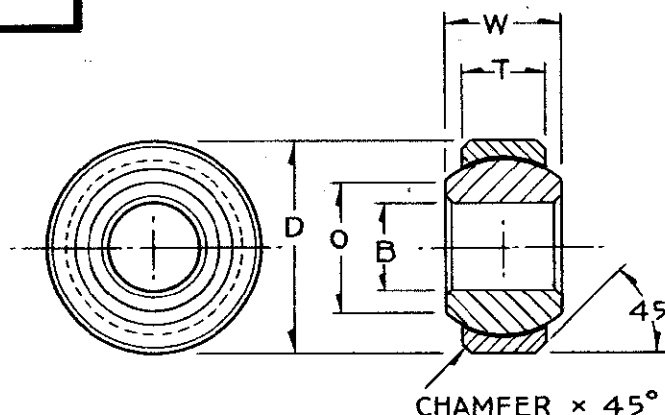
| CHANGE | ITEM NO | DESCRIPTION                  | DATE      | DRAWN | CHECKED | STRESS | APPROVD |
|--------|---------|------------------------------|-----------|-------|---------|--------|---------|
| A      |         | NOTE ADDED "... USE DSC2..." | 25 MAY 77 | DL    |         |        | S.S.    |

MATERIAL —

OUTER RACE: LOW CARBON STEEL - CADMIUM PLATED  
ON ALL EXPOSED SURFACES  
OR CORR. RES. STEEL

INSERT: ALUM BRONZE OR  
GLASS CLOTH TFE IMPREGNATED

BALL: SAE 52100 STEEL - CHROME PLATED  
OR CORR RES STEEL



| PART<br>NUMBER | B<br>BORE<br>DIA<br>+0.015<br>-0.005 | D<br>OUTSIDE<br>DIA<br>+0.000<br>-0.005 | W<br>BALL<br>WIDTH<br>+0.000<br>-0.010 | T<br>RACE<br>WIDTH<br>+0.005<br>-0.005 | O<br>DIA<br>NOM<br>APPROX<br>(REF) | MIS-<br>ALIGN-<br>MENT<br>MAX | RACE<br>CHAMFER<br>MAX | MAX<br>STATIC<br>RADIAL<br>LOAD<br>APPROX | APPROVED VENDOR PART NUMBERS |           |   |   |
|----------------|--------------------------------------|-----------------------------------------|----------------------------------------|----------------------------------------|------------------------------------|-------------------------------|------------------------|-------------------------------------------|------------------------------|-----------|---|---|
|                |                                      |                                         |                                        |                                        |                                    |                               |                        |                                           | TORCO<br>1                   | HEIM<br>2 | 3 | 4 |
| DSC 48-3       | .1900                                | .5625                                   | .281                                   | .218                                   | .293                               | 10°                           | .035                   | 2700                                      | TN 3 CTL                     | LSS 3     |   |   |
| DSC 48-4       | .2500                                | .6562                                   | .343                                   | .250                                   | .364                               | 10°                           | .035                   | 4200                                      | TN 4 CTL                     | LSS 4     |   |   |
| DSC 48-5       | .3125                                | .7500                                   | .375                                   | .281                                   | .419                               | 10°                           | .035                   | 5800                                      | TN 5 CTL                     | LSS 5     |   |   |
| DSC 48-6       | .3750                                | .8125                                   | .406                                   | .312                                   | .517                               | 10°                           | .035                   | 7100                                      | TN 6 CTL                     | LSS 6     |   |   |
| DSC 48-7       | .4375                                | .9062                                   | .437                                   | .343                                   | .572                               | 9°                            | .035                   | 8600                                      | TN 7 CTL                     | LSS 7     |   |   |
| DSC 48-8       | .5000                                | 1.0000                                  | .500                                   | .390                                   | .642                               | 9°                            | .060                   | 11200                                     | TN 8 CTL                     | LSS 8     |   |   |
| DSC 48-9       | .5625                                | 1.0937                                  | .562                                   | .437                                   | .710                               | 9°                            | .060                   | 14000                                     | TN 9 CTL                     | LSS 9     |   |   |
| DSC 48-10      | .6250                                | 1.1875                                  | .625                                   | .500                                   | .739                               | 8°                            | .060                   | 17700                                     | TN 10 CTL                    | LSS 10    |   |   |
| DSC 48-12      | .7500                                | 1.4375                                  | .750                                   | .593                                   | .920                               | 8°                            | .060                   | 25000                                     | TN 12 CTL                    | LSS 12    |   |   |
| DSC 48-4A      | .2500                                | .7500                                   | .375                                   | .281                                   | .354                               | 10°                           | .035                   | 5200                                      | TN 4 COI                     | LS 4      |   |   |

IMPORTANT —

BEARINGS SHOULD NOT BE USED IN  
FLYING CONTROLS & PRIMARY  
STRUCTURE

DIMENSIONS INTERCHANGEABLE WITH  
DSC-2, EXCEPT DSC-48-4A.

THE PROCUREMENT DEPT SHALL  
SPECIFY BOTH THE DSC AND THE  
MANUFACTURER'S PART NUMBER  
ON THE PURCHASE ORDER.

Ⓐ NOTE: DSC 48 BEARINGS  
ARE INACTIVE FOR NEW DESIGN  
EXCEPT FOR DSC 48-4A  
—USE DSC 2 BEARINGS.

SUPPLIERS

1. TORCO MANUFACTURING CO LTD
2. HEIM UNIVERSAL CORP.
- 3.
- 4.

3289 LENWORTH DR. COOKSVILLE ONTARIO  
FAIRFIELD CONN

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<br>DOWNSVIEW ONTARIO                                       |                      |                              |         |                  |
| DRAWN    | SPGUNG JULY 68 | DRAWING TITLE<br><b>BEARING</b><br><br>SELF ALIGNING - SPHERICAL - STANDARD MISALIGNMENT<br>COMMERCIAL |                      |                              |         |                  |
| CHECKED  | SCHRATTNER     |                                                                                                        |                      |                              |         |                  |
| APPROVED |                |                                                                                                        |                      |                              |         |                  |
| STRESS   |                |                                                                                                        |                      |                              |         |                  |
|          |                | CODE IDENT NO<br><b>71867</b>                                                                          | DWG SIZE<br><b>B</b> | DRAWING NO.<br><b>DSC 48</b> | RELEASE | REV.<br><b>A</b> |
|          |                | SCALE                                                                                                  | WGT. CALC            | ACTUAL                       | SHEET   |                  |