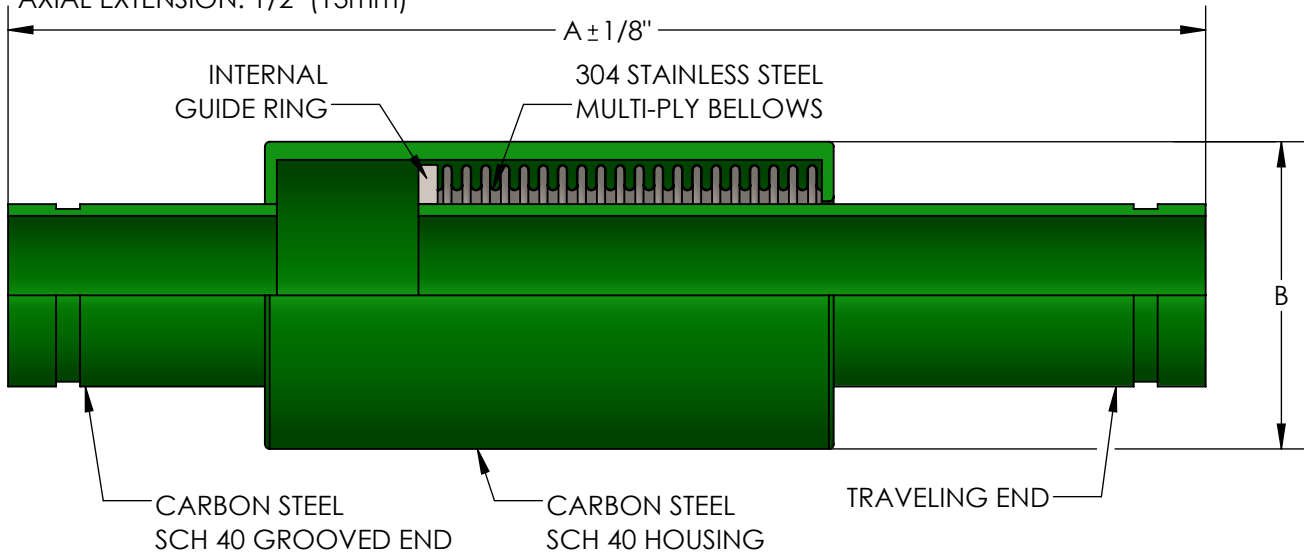
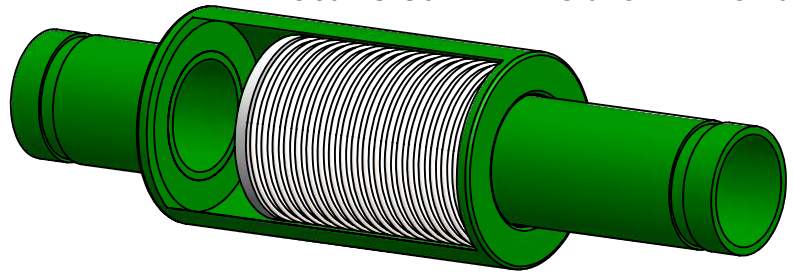


**MODEL HPG3  
HIGH PRESSURE  
EXTERNALLY PRESSURIZED  
EXPANSION COMPENSATOR**

**DESIGN DATA**

CONFORMS TO MIL-DTL-17813H  
 PRESSURE AND TEMPERATURE RATING DEPENDENT ON GASKET SELECTED (BY OTHERS)  
 MAXIMUM PRESSURE/TEMPERATURE RATING: 175 PSI (1206 kPa) @ 500°F (260°C)  
 MAXIMUM TEST PRESSURE: 250 PSI (1809 kPa) @ 70°F  
 AXIAL COMPRESSION: 3" (80mm)  
 AXIAL EXTENSION: 1/2" (13mm)

HOUSING CUT AWAY TO SHOW BELLOWS



THIS EXPANSION JOINT IS DESIGNED FOR AXIAL MOVEMENT ONLY. PIPE MUST BE PROPERLY GUIDED AND ANCHORED PER THE RECOMMENDATIONS OF THE EXPANSION JOINT MANUFACTURERS ASSOCIATION.

| QTY | PART NUMBER | PIPE SIZE |     | A       | B      | EFFECTIVE AREA (in <sup>2</sup> ) | SPRING RATE (lb/in) | WEIGHT | PROJECT INFORMATION |
|-----|-------------|-----------|-----|---------|--------|-----------------------------------|---------------------|--------|---------------------|
|     |             | INCH      | MM  |         |        |                                   |                     |        |                     |
|     | HPG30075    | 3/4"      | 20  | 16-1/2" | 3"     | 1.5                               | 58                  | 4      |                     |
|     | HPG30100    | 1"        | 25  | 16-1/2" | 3"     | 2.1                               | 63                  | 6      |                     |
|     | HPG30125    | 1-1/4"    | 32  | 16-1/2" | 3"     | 3.3                               | 52                  | 6      |                     |
|     | HPG30150    | 1-1/2"    | 38  | 17-1/2" | 3-1/2" | 4.3                               | 82                  | 8      |                     |
|     | HPG30200    | 2"        | 50  | 17-1/2" | 4"     | 6.3                               | 117                 | 12     |                     |
|     | HPG30250    | 2-1/2"    | 65  | 18-3/4" | 5"     | 8.8                               | 132                 | 16     |                     |
|     | HPG30300    | 3"        | 80  | 19-1/4" | 5-1/2" | 13.1                              | 161                 | 21     |                     |
|     | HPG30400    | 4"        | 100 | 19-1/4" | 6-5/8" | 20.8                              | 341                 | 28     |                     |

**NSF 372 - LEAD FREE**

The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight. Material complies with state codes and standards, where applicable, requiring reduced lead content.

CUSTOMER: \_\_\_\_\_

PROJECT: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

|  |  |   |
|--|--|---|
| 3  | Pressure/Temp Gasket Note added.                 | 06/02/2021  |
| REV. 2   | Edit temperature-pressure rating. Add compliance | DATE: 01/07/2021  |
|  |  | 2323 W. HUBBARD ST.<br>CHICAGO, IL 60612<br>TEL: 312-738-3800<br>FAX: 312-738-0415<br>WWW.METRAFLEX.COM |
| <b>MODEL HPG3</b><br>HIGH PRESSURE EXPANSION COMPENSATOR |  |   |
| DRAWN BY: <b>DKISH</b>                                   |  | DATE: <b>9/3/2015</b>   |
| APPROVED: <b>JC</b>                                      |  | DATE: <b>9/3/2015</b>   |
| SCALE: <b>N/A</b>  | DRAWING NUMBER: <b>HPG3</b>                      |   |