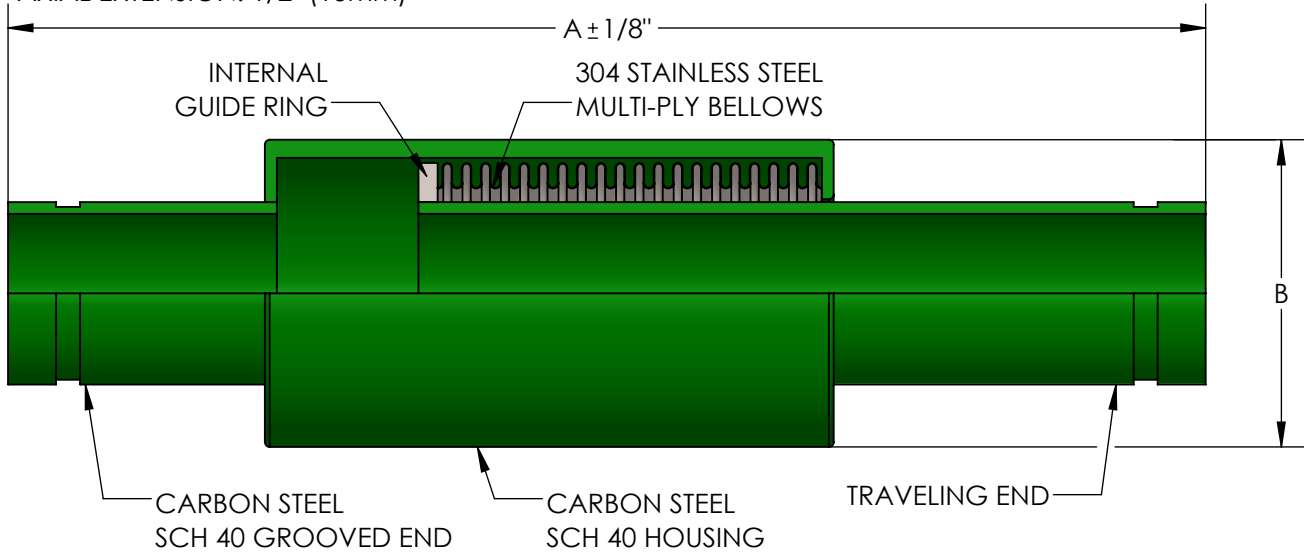
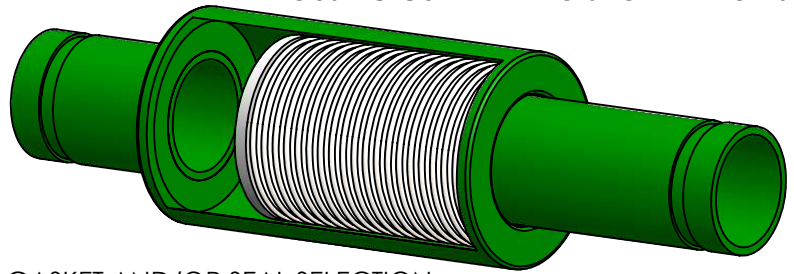


**MODEL HPG3
HIGH PRESSURE
EXTERNALLY PRESSURIZED
EXPANSION COMPENSATOR**

DESIGN DATA

CONFORMS TO MIL-DTL-17813H
 OPERATING TEMPERATURE DEPENDENT UPON GASKET AND/OR SEAL SELECTION
 MAXIMUM WORKING PRESSURE: 175 PSI (1206 kPa)
 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 ²)	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: _____

2	Edit temperature-pressure rating. Add compliance	01/07/2021
REV. 1	Edit B dimension to 3" on lines 1 and 2. DATE: 08/27/2019	
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM
MODEL HPG3 HIGH PRESSURE EXPANSION COMPENSATOR		
DRAWN BY: DKISH		DATE: 9/3/2015
APPROVED: JC		DATE: 9/3/2015
SCALE: N/A	DRAWING NUMBER: HPG3	