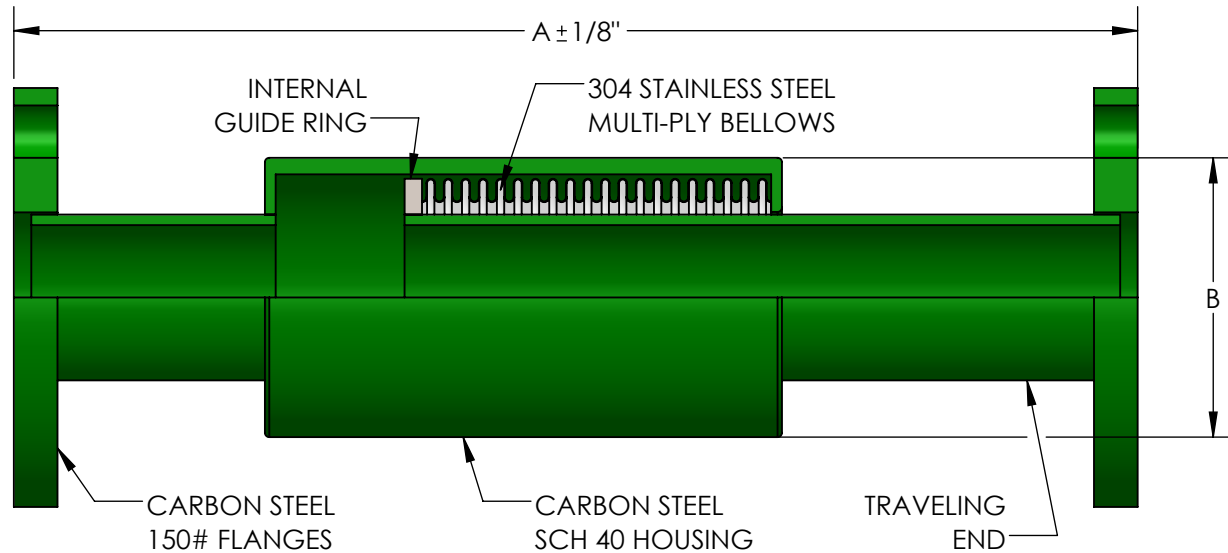
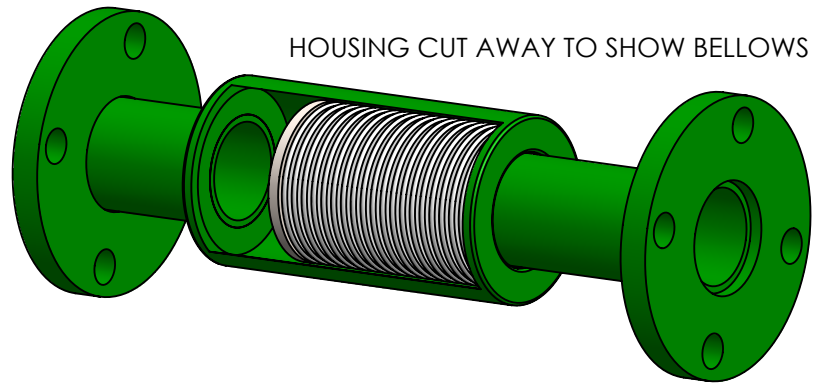


**MODEL HPF3
HIGH PRESSURE
EXTERNALLY PRESSURIZED
EXPANSION COMPENSATOR**

DESIGN DATA

TEMPERATURE: 750° (399°C)
 PRESSURE: 175 PSI (1206 kPa)
 TEST PRESSURE: 250 PSI (1809 kPa)
 AXIAL COMPRESSION: 3" (80mm)
 AXIAL EXTENSION: 1/2" (13mm)



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						
	HPF30075	3/4"	20	17-1/8"	2-3/8"	1.5	58	9	
	HPF30100	1"	25	17-1/8"	2-1/2"	2.1	63	12	
	HPF30125	1-1/4"	32	17-1/8"	3"	3.3	52	13	
	HPF30150	1-1/2"	38	18-1/8"	3-1/2"	4.3	82	15	
	HPF30200	2"	50	18-1/8"	4"	6.3	117	20	
	HPF30250	2-1/2"	65	19-3/8"	5"	8.8	132	31	
	HPF30300	3"	80	19-7/8"	5-1/2"	13.1	161	36	
	HPF30400	4"	100	19-7/8"	6-5/8"	20.8	341	49	

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: _____

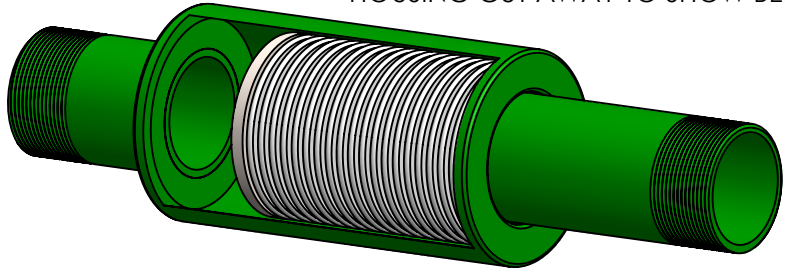
PROJECT: _____

ENGINEER: _____

REV.	DATE
2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM	
MODEL HPF3 HIGH PRESSURE EXPANSION COMPENSATOR	
DRAWN BY: DKISH	DATE: 9/3/2015
APPROVED: JC	DATE: 9/3/2015
SCALE: N/A	DRAWING NUMBER: HPF3

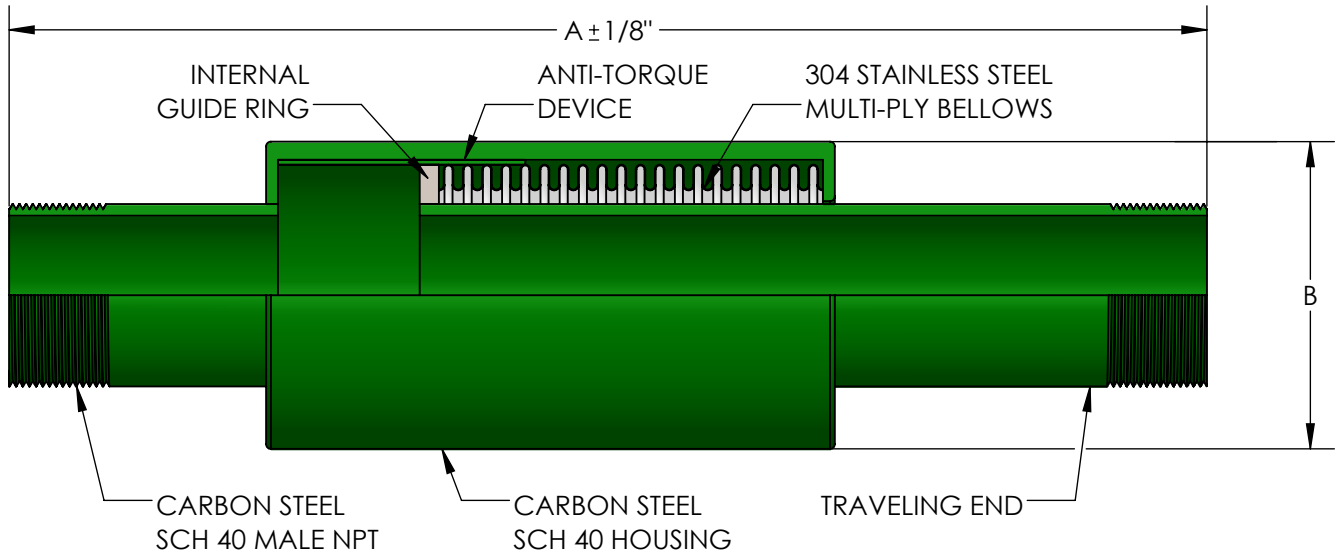
**MODEL HPT3
HIGH PRESSURE
EXTERNALLY PRESSURIZED
EXPANSION COMPENSATOR**

HOUSING CUT AWAY TO SHOW BELLOWS



DESIGN DATA

TEMPERATURE: 750° (399°C)
 PRESSURE: 175 PSI (1206 kPa)
 TEST PRESSURE: 250 PSI (1809 kPa)
 AXIAL COMPRESSION: 3" (80mm)
 AXIAL EXTENSION: 1/2" (13mm)



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						
	HPT30075	3/4"	20	16-1/2"	2-3/8"	1.5	58	4	
	HPT30100	1"	25	16-1/2"	2-1/2"	2.1	63	6	
	HPT30125	1-1/4"	32	16-1/2"	3"	3.3	52	6	
	HPT30150	1-1/2"	38	17-1/2"	3-1/2"	4.3	82	8	
	HPT30200	2"	50	17-1/2"	4"	6.3	117	12	
	HPT30250	2-1/2"	65	18-3/4"	5"	8.8	132	16	
	HPT30300	3"	80	19-1/4"	5-1/2"	13.1	161	21	
	HPT30400	4"	100	19-1/4"	6-5/8"	20.8	341	28	

NSF 372 - LEAD FREE

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CUSTOMER: _____

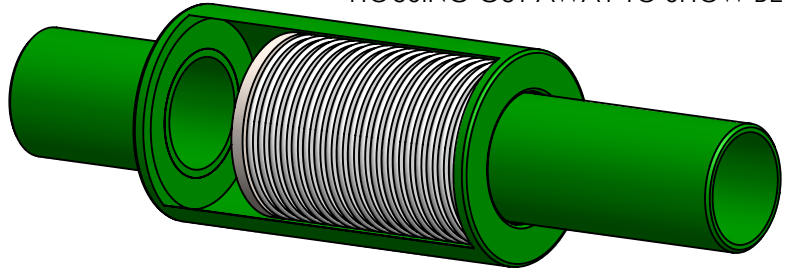
PROJECT: _____

ENGINEER: _____

REV.	DATE
2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM	
MODEL HPT3 HIGH PRESSURE EXPANSION COMPENSATOR	
DRAWN BY: DKISH	DATE: 9/3/2015
APPROVED: JC	DATE: 9/3/2015
SCALE: N/A	DRAWING NUMBER: HPT3

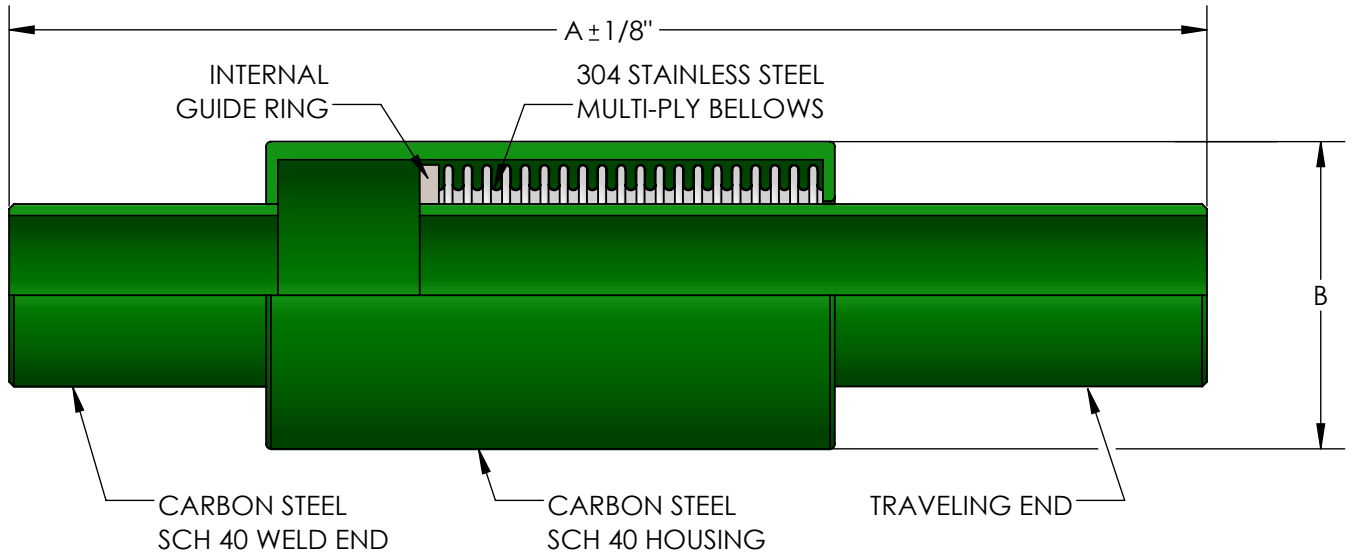
**MODEL HPW3
HIGH PRESSURE
EXTERNALLY PRESSURIZED
EXPANSION COMPENSATOR**

HOUSING CUT AWAY TO SHOW BELLOWS



DESIGN DATA

TEMPERATURE: 750° (399°C)
 PRESSURE: 175 PSI (1206 kPa)
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		INCH	MM						
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	HPW30125	1-1/4"	32	16-1/2"	3"	3.3	52	6	
	HPW30150	1-1/2"	38	17-1/2"	3-1/2"	4.3	82	8	
	HPW30200	2"	50	17-1/2"	4"	6.3	117	12	
	HPW30250	2-1/2"	65	18-3/4"	5"	8.8	132	16	
	HPW30300	3"	80	19-1/4"	5-1/2"	13.1	161	21	
	HPW30400	4"	100	19-1/4"	6-5/8"	20.8	341	28	

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CUSTOMER: _____

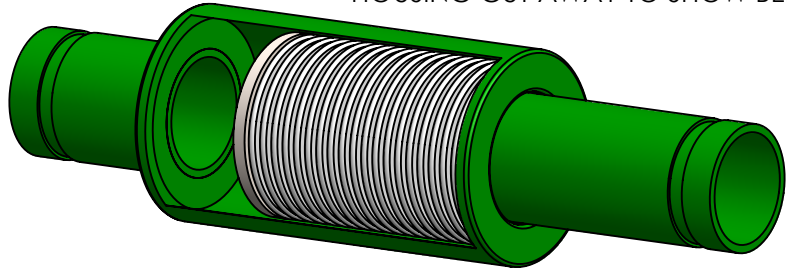
PROJECT: _____

ENGINEER: _____

REV.	DATE
2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM	
MODEL HPW3 HIGH PRESSURE EXPANSION COMPENSATOR	
DRAWN BY: DKISH	DATE: 9/3/2015
APPROVED: JC	DATE: 9/3/2015
SCALE: N/A	DRAWING NUMBER: HPW3

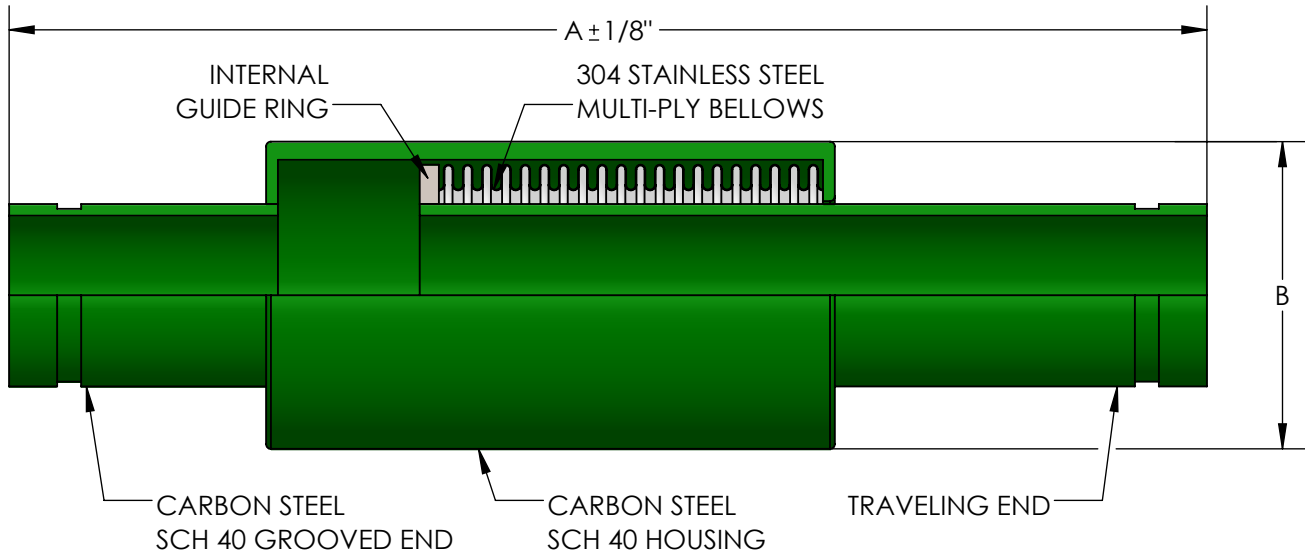
**MODEL HPG3
HIGH PRESSURE
EXTERNALLY PRESSURIZED
EXPANSION COMPENSATOR**

HOUSING CUT AWAY TO SHOW BELLOWS



DESIGN DATA

TEMPERATURE: 750° (399°C)
 PRESSURE: 175 PSI (1206 kPa)
 TEST PRESSURE: 250 PSI (1809 kPa)
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