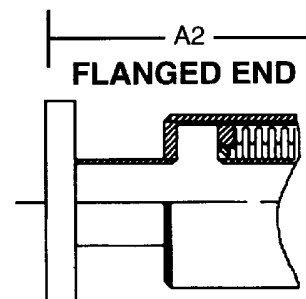
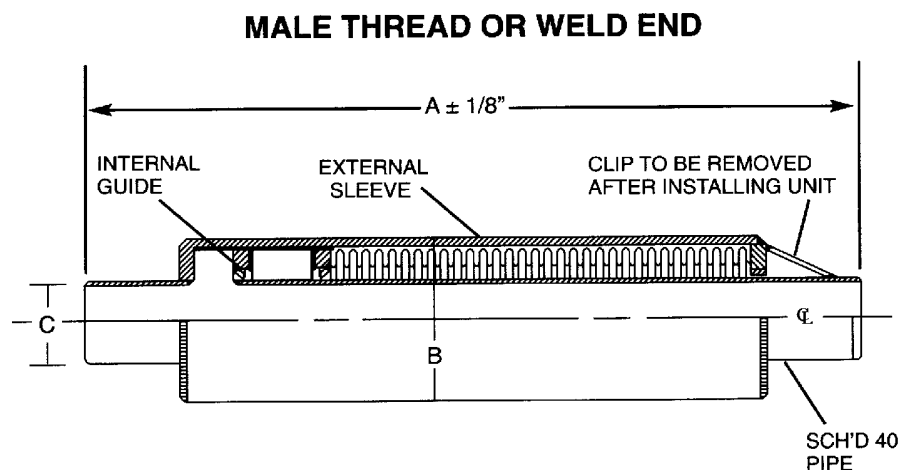


# **MODEL HPQ3 EXPANSION COMPENSATOR HIGH PRESSURE**



Available with 150# drilled flat face plate steel flanges.

This expansion joint is specifically designed for building riser systems, and is designed to be used in conjunction with the Metraflex floor and ceiling guiding system. When used with standard guides, EJMA spacing requirements apply.

QTY.	PIPE SIZE		THREAD OR WELD END A	FLANGED A2	B	C	NOTES
	INCH	MM					
	3/4"	20	22"	22-5/8"	2-3/8"	1.05"	
	1	25	22	22-5/8	2-1/2	1.31	
	1-1/4	32	22	22-5/8	3	1.66	
	1-1/2	38	23	23-5/8	3-1/2	1.90	
	2	50	23	23-5/8	4	2.37	
	2-1/2	65	24-1/2	25-1/8	5	2.87	
	3	80	25-3/8	26	5-1/2	2.87	
	4	100	25-3/8	26	6-5/8	4.50	

## **DESIGN DATA:**

TEMP. 750° F. (399°C)  
 PRESS. 175 PSI, (1206 K Pa(g))  
 TEST PRESS. 250 PSI, (1809 K Pa(g))  
 AXIAL MOVEMENT 1/2" EXPANSION, (13mm)  
 3" COMPRESSION, (80 mm)

## **MATERIAL:**

BELLOWS-MULTI-PLY S.S. T321  
 OTHER PARTS-CARBON STEEL

CUSTOMER \_\_\_\_\_  
 PROJECT \_\_\_\_\_  
 ENGINEER \_\_\_\_\_  
 ARCHITECT \_\_\_\_\_  
 PRO. OR P.O. NO \_\_\_\_\_

*the Metraflex® company*  
 CHICAGO ILLINOIS

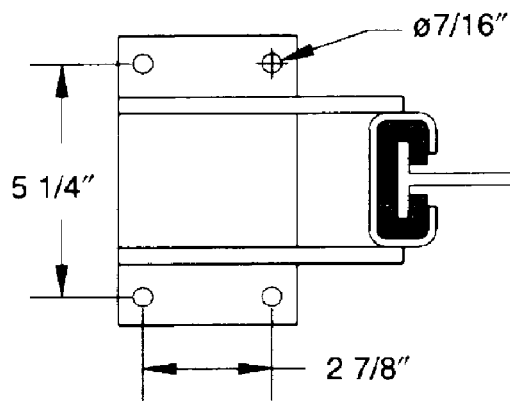
## **DESCRIPTION:**

**HI RISE COMPENSATOR**  
 HIGH PRESSURE, Laterally Stabilized  
 EXPANSION COMPENSATOR

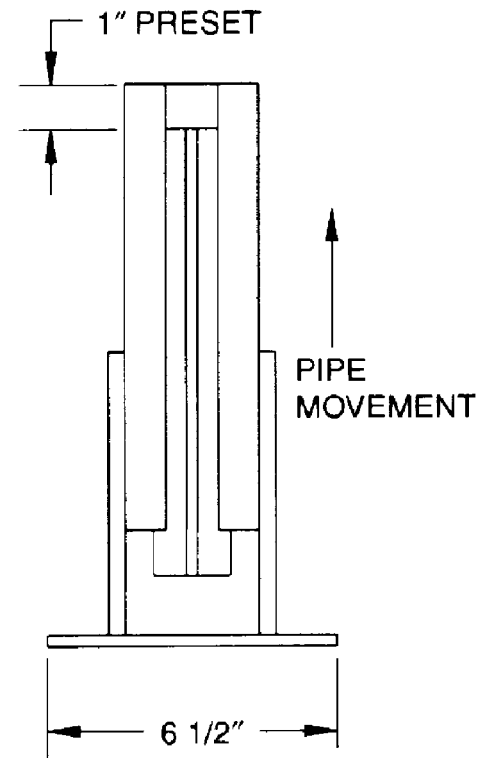
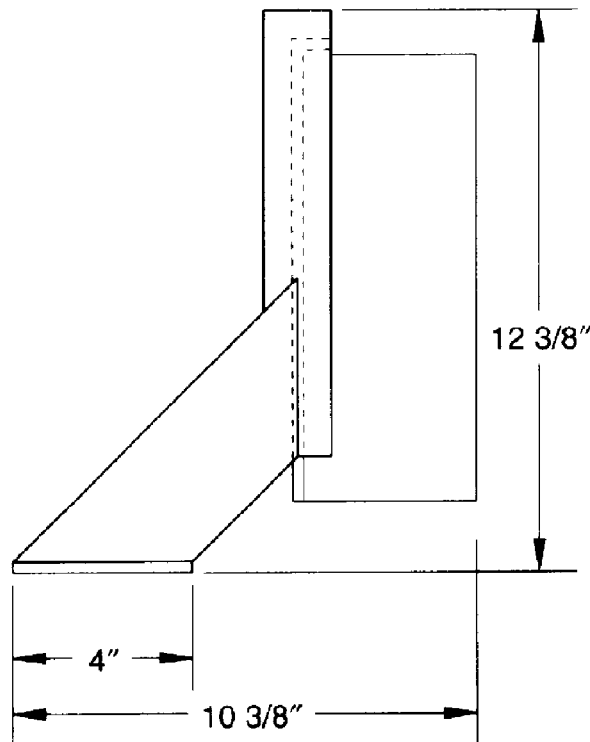
DRAWN BY:  
**J.O.**

DATE:  
**5-99**

DRAWING NO:  
**HPQ3**



GUIDE "T"  
FIELD WELD PIPE;  
ALSO AVAILABLE WITH  
PIPE CLAMPS FOR COPPER)



#### Floor and ceiling guiding system

A special "quiet-slide" insert in the sliding "T" guide channel provides virtually silent operation and isolates pipe noise from building.

Guides are to be used in conjunction with riser expansion compensator. Guides are bolted to ceiling and floor. Sliding "T" guide is inserted into "quite-slide" lining in channel and welded to pipe.

Maximum Temperature Rating: 250°F

CUSTOMER \_\_\_\_\_  
PROJECT \_\_\_\_\_  
ENGINEER \_\_\_\_\_  
ARCHITECT \_\_\_\_\_  
PRO OR P.O. NO. \_\_\_\_\_

*the Metraflex company*  
CHICAGO ILLINOIS

DESCRIPTION:

**Floor and ceiling guiding system**

DRAWN BY :  
JO

DATE:  
10/99

DRAWING NO:  
PGQ