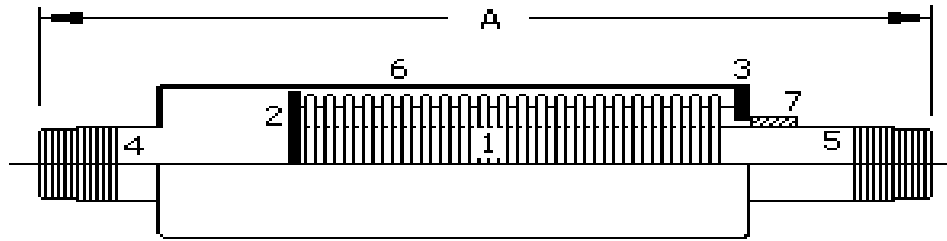


MDC MODEL **H3** HIGH PRESSURE STEEL PIPE AXIAL EXPANSION COMPENSATORS



MATERIALS OF CONSTRUCTION		
1	BELLOWS	T304 Stainless Steel, Multi-ply
2	INTERNAL GUIDE RING	Carbon Steel
3	EXTERNAL GUIDE RING	Carbon Steel
4	STATIONARY END	Male NPT Nipple/Weld End, Carbon Steel
5	TRAVELLING (LONG) END	Male NPT Nipple/Weld End, Carbon Steel
6	EXTERNAL SLEEVE (SHROUD)	Carbon Steel
7	SHIPPING CLIP	Carbon Steel (remove after installation)

- suffix "NPT", denotes unit with male NPT ends, suffix "WE", denotes unit with beveled weld ends
- both "NPT" and "WE" ends have same overall dimensions
- we can offer H-FF compensators with 150 lbs RFSO flanges - face to face dimensions would be longer

QTY	MDC P/N	NOM. SIZE (IN)	OVERALL LENGTH "A" (IN)	MAX. OUTSIDE DIAMETER	AXIAL COMP. (IN.)	AXIAL EXT. (IN.)	APPROX. WEIGHT (LBS)	EFFECTIVE AREA IN.SQ.	NOTES
	0.75"H3-NPT	3/4"	16-1/2"	2-3/8"	3"	1/2"	3.5	2.2"	
	1.00"H3-NPT	1"	16-1/2"	2-1/2"	3"	1/2"	4.2	3.5"	
	1.25"H3-NPT	1-1/4"	16-1/2"	3"	3"	1/2"	5.5	4.8"	
	1.50"H3-NPT	1-1/2"	17-1/2"	3-1/2"	3"	1/2"	6.5	6.5"	
	2.00"H3-NPT	2"	17-1/2"	4"	3"	1/2"	7.0	7.6"	
	2.50"H3-NPT	2-1/2"	18-3/4"	5"	3"	1/2"	10.0	12.9"	
	3.00"H3-NPT	3"	19-1/4"	5-1/2"	3"	1/2"	14	16.1"	
	4.00"H3-NPT	4"	19-1/4"	6-5/8"	3"	1/2"	17	24.2"	

OPERATING CONDITIONS:

Operating Pressure	175 psig / 1206 kPa
Test Pressure	250 psig / 1809 kPa
Vacuum Range	full
Temperature	750°F / 400°C

FEATURES:

- * Pressure external to the bellows. Low Spring Forces.
- * Designed to prevent squirm under compression.
- * Available with flanged ends (overall dimensions different than "A" values shown below).

NOTES:

- * This expansion joint is designed for axial movement only.
- * Pipe must be properly guided and anchored per recommendations of Expansion Joint Manufacturers Association.
- * Do not apply torsion during installation.
- * Install the unit at the shipped length. Remove the shipping clip after installation only.
- * To calculate the Pressure Thrust Force, multiply Effective Area x Operating Pressure to obtain the force value in pounds (lbs) acting on each anchor. Design anchors accordingly.

CUSTOMER (COMPANY)		
CUSTOMER (INDIVIDUAL)		
CUSTOMER TEL./FAX		
PROJECT		
ENGINEERING COMPANY		
CUSTOMER REFERENCE		
MDC REFERENCE		
	20942	2010-08-25
MDC DWG. NO.		JMP



MARK DAVID CANADA INC.

2011-A Lucien Thimens
Montreal, QC., H4R 1K8, Canada
TEL.: (514) 748-8770, FAX: (514) 313-5697