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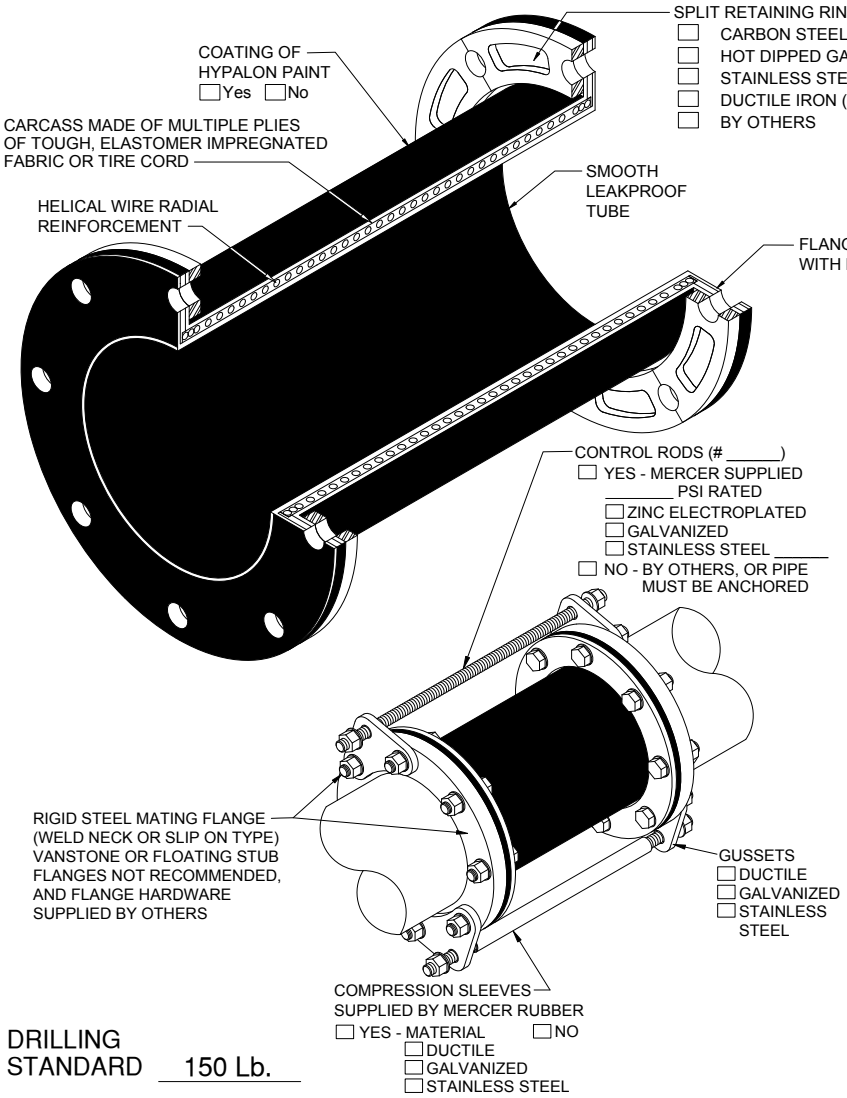
Info@Mercer-Rubber.com

JOB NAME _____
CUSTOMER _____
CUSTOMER P.O. _____
MERCER NO. _____
DATE: DWG. NO.

STYLE 150 VIBRA-FLEX PIPE

Tube	Cover		Temperature Rating
☐	☐	Chlorobutyl	180°F



DRILLING STANDARD 150 Lb.

Expansion joints installed in piping systems must be anchored on both sides of the joint. In this case no control rods are necessary providing piping movements are within allowables. If control rods are installed as a safety measure, the locking nuts must be backed off with a clearance equal to the specified axial movement. The expansion joint will exert a thrust force on the anchors. To calculate pressure thrust on anchors use the following equation:

Pressure Thrust = (Pressure Thrust Area) x (Rated Working Pressure)

Expansion joints installed in unanchored piping or connected to isolated equipment must have control rods. Once control rods are installed the joint will no longer act as an expansion joint, since the pressure will extend the joint into the nuts of the control rods. The joint will no longer take up axial motion. It will make up for misalignment, transverse and possibly angular motion. In this case the nuts of the control rods should be threaded tight to control rod gussets, thereby locking out control rods.

Initial misalignment should be kept to a maximum of 1/8".

Expansion joint flanges must be in contact with a continuous surface, or a maximum of 1/16" standard raised face. Depressions or protrusions typical of vitaulic or similar type flanges must be covered with a steel spacer flange first. Rubber flanges will not retain loose elements in valve bodies that rely on contact with a steel flange. In these applications, a steel spacer flange must be inserted between the rubber expansion joint and the valve body.

STYLE 150 DIMENSIONS ALLOWABLE MOVEMENTS and OPERATING PRESSURES

QUANTITY	SIZE I.D. (in)	FACE TO FACE F.F. (in)	FLANGE OD (in)	DIA. BOLT CIRCLE (in)	NO. OF BOLT HOLES	DIA. OF BOLT HOLES (in)	AXIAL COMPRESSION (in)	AXIAL EXTENSION (in)	LATERAL DEFLECTION (in)	RATED WORKING PRESSURE (psi)	VACUUM RATING (IN Hg.)	PRESSURE THRUST AREA (in^2)
	2	12	6	4 3/4	4	3/4	1/4	3/8	3/8	150	30	3.1
	2	18	6	4 3/4	4	3/4	3/8	1/2	1/2	150	30	3.1
	3	12	7 1/2	6	4	3/4	1/4	3/8	3/8	150	30	7.0
	3	18	7 1/2	6	4	3/4	3/8	1/2	1/2	150	30	7.0
	3	24	7 1/2	6	4	3/4	1/2	5/8	5/8	150	30	7.0
	4	12	9	7 1/2	8	3/4	1/4	3/8	3/8	150	30	12.5
	4	18	9	7 1/2	8	3/4	3/8	1/2	1/2	150	30	12.5
	4	24	9	7 1/2	8	3/4	1/2	5/8	5/8	150	30	12.5
	5	24	10	8 1/2	8	7/8	1/2	5/8	5/8	150	30	19.6
	6	12	11	9 1/2	8	7/8	1/4	3/8	3/8	150	30	28.2
	6	18	11	9 1/2	8	7/8	3/8	1/2	1/2	150	30	28.2
	6	24	11	9 1/2	8	7/8	1/2	5/8	5/8	150	30	28.2

DWN	CHKD	DATE

DWG No.

MS-1061.DWG