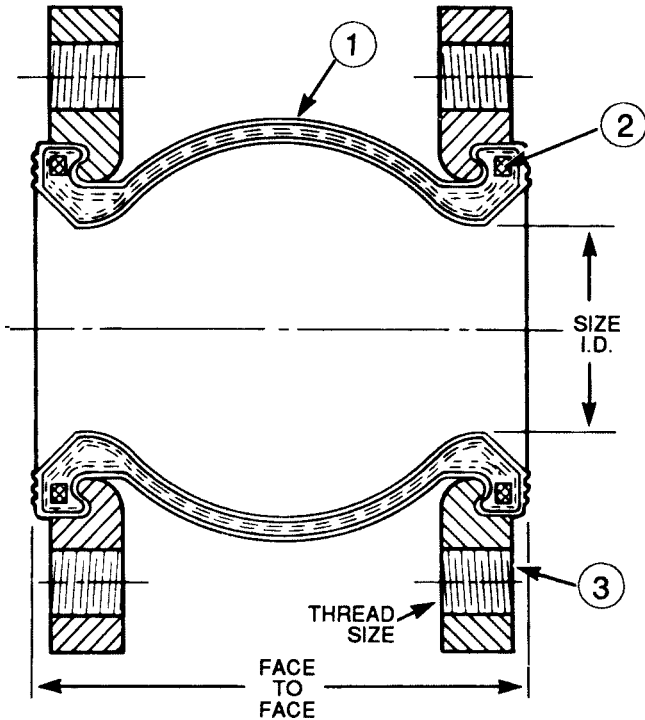


# ULTRASPHERE



This flexible joint should be installed the length shown on drawing. Piping and equipment connected by this flexible joint must be anchored and guided. If not, control units or cables must be used to prevent movement past design limits. Not intended for torsion.

MATERIALS OF CONSTRUCTION		
ITEM	NAME	STANDARD MATERIAL
1	Body	Neoprene or EPDM*
2	Wire	Steel
3	Flange	Plate Steel

\* Other materials available  
 MAXIMUM WORKING TEMPERATURE: 240° F.

TO BE FURNISHED WITH CONTROL UNITS YES  NO

MOVEMENT CAPABILITY AND FORCES																
Qty.	Size I.D. (In.)	F/F (In.)	Pressure P.S.I.G.	Vacuum (In.Hg.)	AXIAL				DEFLECTION				Weight (Lbs.)	No. Cables	No. Bolt Holes	Thread Size
					Comp. (In.)	Approx. Force (Lbs.)	Elong. (In.)	Approx. Force (Lbs.)	Lateral (In.)	Approx. Force (Lbs.)	Angular (Degrees)					
	2	6	225	16	1/2	55	3/8	73	1/2	55	15	8	2	4	5/8-11NC	
	2-1/2	6	225	16	1/2	102	3/8	68	1/2	97	15	13	2	4	5/8-11NC	
	3	6	225	16	1/2	136	3/8	115	1/2	108	15	14	2	4	5/8-11NC	
	4	6	225	16	5/8	145	3/8	242	1/2	275	15	18	2	8	5/8-11NC	
	5	6	225	16	5/8	172	3/8	296	1/2	308	15	23	2	8	3/4-10NC	
	6	6	225	16	5/8	293	3/8	563	1/2	484	15	28	2	8	3/4-10NC	
	8	6	225	16	5/8	372	1/2	587	1/2	688	15	40	4	8	3/4-10NC	
	10	8	225	16	3/4	398	1/2	455	3/4	781	15	68	4	12	7/8-9NC	
	12	8	225	16	3/4	390	1/2	356	3/4	842	15	96	4	12	7/8-9NC	

CUSTOMER \_\_\_\_\_

PROJECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

P.O. NO \_\_\_\_\_



DESCRIPTION: **ULTRASPHERE**  
**SPHERICAL EXPANSION JOINT**

DRAWN BY: **P.B.**      DATE: **7-2-01**      DRAWING NO: **US**