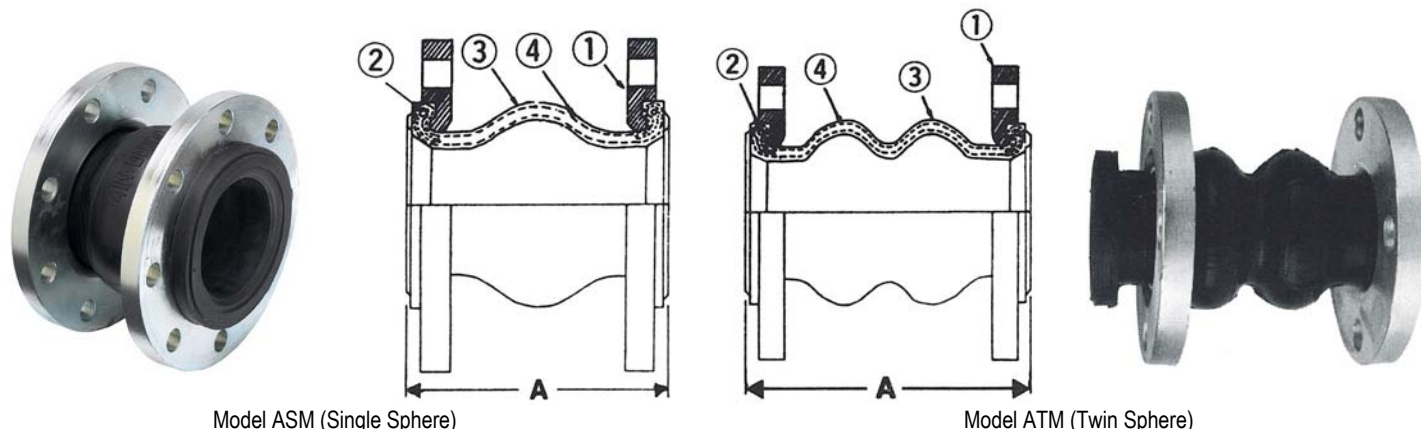


SINGLE & TWIN SPHERE CONNECTORS – ASM / ATM Series



Model ASM (Single Sphere)

Model ATM (Twin Sphere)

FEATURES

- Used for connecting pipes and equipment where a flexible connection is desired to accommodate thermal movement and/or misalignment.
- The floating steel flanges grip the seating area to provide a fluid tight connection. The unique shape and longer length of Colton connectors increases acoustic resistance and helps to dampen hydraulic surge and shock

MATERIALS

Part	Description
(1) Flanges	Zinc Plated Carbon Steel (Class 150 Floating)
(2) Wire	Carbon Steel Wire Strand
(3) Elastomer	Neoprene
(4) Reinforcing Fabric	Synthetic Fiber

RATINGS

PMO (maximum operating pressure) 2" to 4": 180 psi @ 225°F
 PMO (maximum operating pressure) 5" to 10": 135 psi @ 225°F
 PMO (maximum operating pressure) 12" to 14": 90 psi @ 225°F
 PMO (maximum operating pressure) 16" to 20": 45 psi @ 225°F

Burst Pressure (2" to 4"): 900 psi
 Burst Pressure (5" to 10"): 900 psi
 Burst Pressure (12" to 14"): 600 psi
 Burst Pressure (16" to 20"): 500 psi

DIMENSIONS AND SPECIFICATIONS

Size	Dimension A		Axial Compression				Axial Elongation				Transverse Movement				Angular Deflection				
	ASM	ATM	ASM		ATM		ASM		ATM		ASM		ATM		ASM	ATM			
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		
50	2	152	6	178	7	13	1/2	51	2	10	3/8	30	1-1/8	13	1/2	25	1	20°	45°
65	2-1/2	152	6	178	7	13	1/2	51	2	10	3/8	30	1-1/8	13	1/2	25	1	17°	43°
75	3	152	6	178	7	13	1/2	51	2	10	3/8	30	1-1/8	13	1/2	25	1	14°	38°
100	4	152	6	229	9	16	5/8	51	2	10	3/8	35	1-3/8	13	1/2	32	1-1/4	14°	34°
125	5	152	6	229	9	16	5/8	51	2	10	3/8	35	1-3/8	13	1/2	32	1-1/4	11°	29°
150	6	152	6	229	9	16	5/8	51	2	10	3/8	35	1-3/8	13	1/2	32	1-1/4	9°	25°
200	8	152	6	330	13	16	5/8	60	2-3/8	13	1/2	35	1-3/8	13	1/2	35	1-3/8	7°	19°
250	10	203	8	330	13	19	3/4	60	2-3/8	13	1/2	35	1-3/8	19	3/4	35	1-3/8	7°	15°
300	12	203	8	330	13	19	3/4	44	1-3/4	13	1/2	35	1-3/8	19	3/4	35	1-3/8	6°	13°
350	14	203	8	349	14	19	3/4	44	1-3/4	13	1/2	30	1-1/8	19	3/4	28	1-1/8	5°	9°
400	16	203	8	349	14	19	3/4	44	1-3/4	13	1/2	30	1-1/8	19	3/4	28	1-1/8	4°	8°
450	18	203	8	349	14	19	3/4	44	1-3/4	13	1/2	30	1-1/8	19	3/4	28	1-1/8	4°	7°
500	20	203	8	349	14	19	3/4	44	1-3/4	13	1/2	30	1-1/8	19	3/4	28	1-1/8	3°	7°

Colton has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice



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