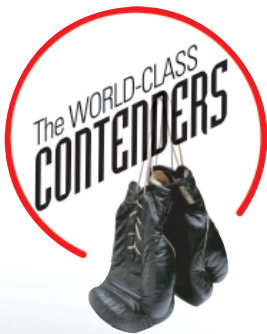


Flexible Connectors



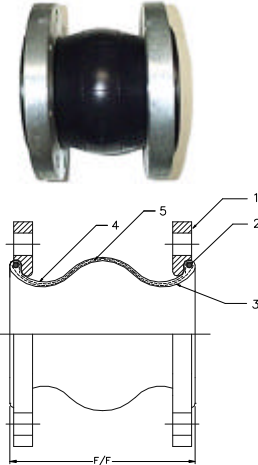
A Subsidiary of The Gorman-Rupp Company
Post Office 790 • Toccoa, Georgia 30577 U.S.A.
www.pattersonpumps.com

- Standard neoprene or nylon construction (other materials available)
- Reduce noise and vibration
- Rated to 214 psi at temperatures up to 240°F
- Solid plate steel flanges provide a fluid tight connection
- Stainless steel flexible connectors also available
- Applicable for suction and delivery (discharge)
- Provides sound and vibration isolation
- Gaskets and packing are not required
- Floating flanges allow for easy installation
- Prevents piping system and equipment breakdown by absorbing elongation and contraction caused by temperature variances
- Absorbs water pulsation and minimizes water hammering



Mfd. by API Intl. for Patterson Pump Co.

AMS Series Single Sphere Rubber Expansion Joints - Flg x Flg



Features

- Applicable for suction and delivery (discharge).
- Provides sound and vibration isolation.
- Gaskets and packing are not required.
- Floating flanges allow for easy installation.
- Prevents piping system and equipment breakdown by absorbing elongation and contraction caused by temperature variances.
- Absorbs water pulsation and minimizes water hammering.

Dimension and Allowable Movements

Qty	API Part #	Size	Face to Face Dimension	Allowable Motion Ratings*				Installation Tolerances			
				Compression	Elongation	Lateral	Angular	Compression	Elongation	Lateral	Angular
	AMS201H	1-1/2"	6"	1/2"	3/8"	1/2"	15°	3/16"	1/8"	1/4"	5°
	AMS202	2	6	1/2	3/8	1/2	15	3/16	1/8	1/4	5
	AMS202H	2-1/2	6	1/2	3/8	1/2	15	3/16	1/8	1/4	5
	AMS203	3	6	5/8	3/8	1/2	15	3/16	1/8	1/4	5
	AMS204	4	6	5/8	3/8	1/2	15	3/16	1/8	1/4	5
	AMS205	5	6	5/8	3/8	1/2	15	3/16	1/8	1/4	5
	AMS206	6	6	5/8	3/8	1/2	15	3/16	1/8	1/4	5
	AMS208	8	6	5/8	3/8	1/2	15	3/16	1/8	1/4	5
	AMS210	10	8	3/4	1/2	3/4	15	3/16	1/8	1/4	5
	AMS212	12	8	3/4	1/2	3/4	15	3/16	1/8	1/4	5
	AMS214	14	8	3/4	1/2	3/4	15	3/16	1/8	1/4	5
	AMS216	16	8	3/4	1/2	3/4	15	3/16	1/8	1/4	5
	AMS218	18	8	3/4	1/2	3/4	15	3/16	1/8	1/4	5
	AMS220	20	8	3/4	1/2	3/4	15	3/16	1/8	1/4	5
	AMS224	24	10	3/4	1/2	3/4	15	3/16	1/8	1/4	5

Warning: Do not elongate rubber expansion joints when installing for suction service.

*** - Non Concurrent Ratings.

Operating Conditions

Size Range	1-1/2" - 12"	14" - 24"
Operating Pressure	214 psi	114 psi
Operating Temp Range*	14° - 170° F (Neoprene) 14° - 240° F (EPDM)	14° - 170° F (Neoprene) 14° - 240° F (EPDM)
Vacuum Rating	26" Hg	26" Hg
Burst Pressure	850 psi	340 psi

*** - **Warning:** Operating pressures listed in the above table are for up to 110 deg. F. (for Neoprene), and 125 deg. F. (for EPDM). For elevated temperature service, please contact our sales department for actual working pressure ratings.

Materials

Part	Part Description	Material
1	Flanges	Carbon Steel
2	Reinforcing Wire	Mild Steel
3	Tube	Synthetic Rubber
4	Cover	Synthetic Rubber
5	Reinforcing Cord	Synthetic Fiber

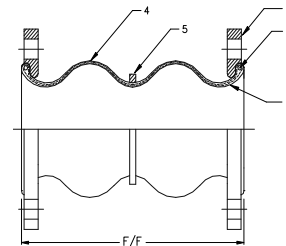
Flanges available in other drillings and materials upon request.

Applications

- Pumps & air compressors in air conditioning system & sanitary equipment.
- Refrigeration systems and blowers in industrial plant equipment.
- Feed-water and drainage equipment in marine piping systems.
- Applicable for use in power generation and chemical plants.

Customer:
Project:
Engineer:
PO#:
To be furnished with control units: <input type="checkbox"/> Yes <input type="checkbox"/> No

AMT Series Twin Sphere Rubber Expansion Joints - Flg x Flg



Features

- Applicable for suction and delivery (discharge).
- Designed for greater compression, elongation, and angular movement than the single sphere expansion joint.
- Excellent for absorbing thermal expansion and eliminating sound and vibration.
- Gaskets and packing not required.
- Good electrical insulator.
- Absorbs water pulsation and minimizes water hammering.

Dimension and Allowable Movements

Qty	API Part #	Size	Face to Face Dimension	Allowable Motion Ratings*				Installation Tolerances			
				Compression	Elongation	Lateral	Angular	Compression	Elongation	Lateral	Angular
	AMT201H	1-1/2"	7"	1"	3/4"	1"	30°	1/4"	1/8"	5/16"	10°
	AMT202	2	7	1	3/4	1	30	1/4	1/8	5/16	10
	AMT202H	2-1/2	7	1	3/4	1	30	1/4	1/8	5/16	10
	AMT203	3	7	1	3/4	1	30	1/4	1/8	5/16	10
	AMT204	4	9	1-3/8	1	1-1/4	30	1/4	1/8	5/16	10
	AMT205	5	9	1-3/8	1	1-1/4	30	1/4	1/8	3/8	10
	AMT206	6	9	1-3/8	1	1-1/4	30	1/4	1/8	3/8	10
	AMT208	8	13	1-3/4	1	1-1/2	30	1/4	1/8	1/2	10
	AMT210	10	13	1-3/4	1	1-1/2	30	1/4	1/8	1/2	10
	AMT212	12	13	1-3/4	1	1-1/2	30	1/4	1/8	1/2	10
	AMT214	14	13-3/4	1-3/4	1-1/4	1-1/2	20	1/4	1/8	5/16	10
	AMT216	16	13-3/4	1-3/4	1-1/4	1-1/2	20	1/4	1/8	5/16	10
	AMT218	18	13-3/4	1-3/4	1-1/4	1-1/2	20	1/4	1/8	5/16	10
	AMT220	20	13-3/4	1-3/4	1-1/4	1-1/2	20	1/4	1/8	5/16	10
	AMT224	24	13-3/4	1-3/4	1-1/4	1-1/2	20	1/4	1/8	1/2	10

Warning: Do not elongate rubber expansion joints when installing for suction service.

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Operating Conditions

Size Range	1-1/2" - 12"	14" - 24"
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Materials

Part	Part Description	Material
1	Flanges	Carbon Steel
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3	Tube	Synthetic Rubber
4	Cover	Synthetic Rubber
5	Root Ring	Carbon Steel

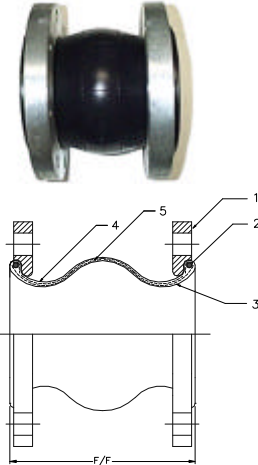
Flanges available in other drillings and materials upon request.

Applications

- Pressure piping systems in building equipment and general industrial plants.
- Pump and turbine lines used for power generation plants, industrial machinery and universal pump blowers.
- Feed-water & drainage lines for waterworks & sanitary piping systems.
- Oil pipelines for industrial plants and shipbuilding yards.

Customer:
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PO#:
To be furnished with control units: <input type="checkbox"/> Yes <input type="checkbox"/> No

AMS Series Single Sphere Rubber Expansion Joints - Flg x Flg



Features

- Applicable for suction and delivery (discharge).
- Provides sound and vibration isolation.
- Gaskets and packing are not required.
- Floating flanges allow for easy installation.
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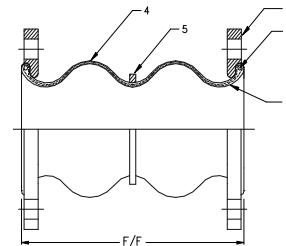
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