

5 Specialty Hose and Tubing

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Moisture Barrier Hose

3440 Moisture-Lok Hose



Features

- Temperature Range: -10°F to 150°F (-23°C to 66°C)
- High Moisture Barrier Core Tube
- No Plasticizers in the Core Tube
- UV Resistant Cover
- Custom Colors Available

Applications

- Conveying Urethane Foam Components
- Moisture Sensitive Chemicals

Construction

- Perforated Polyurethane Cover
- Synthetic Fiber Reinforcement
- Polyolefin Core Tube

Part Number	Nominal I.D.		Maximum O.D.		Minimum Bend Radius		Recommended Working Pressure		Minimum Burst Pressure		Weight		Swage Die Part No. 4540	Permanent Coupling Series* Steel
	in	mm	in	mm	in	mm	psi	bar	psi	bar	lbs/100 ft	kg/100 m		
3440-04	1/4	6.4	.520	13.2	1-1/4	32	2,750	190	11,000	758	6.4	9.5	304	3903/7903
3440-06	3/8	9.5	.655	16.6	2	51	2,250	155	9,000	620	9.0	13.3	306	3903/7903
3440-08	1/2	12.7	.812	20.6	3	76	2,000	138	8,000	552	12.2	18.1	308	3903/7903
3440-12	3/4	19	1.140	29.0	5	127	1,500	103	6,000	414	24.6	36.8	H12	390H/790H
3440-16	1	25.4	1.455	37.0	8	203	1,500	103	6,000	414	37.3	55.4	B1600-001	390H

*Steel Couplings Shown on Pages 7.3-7.25. For Stainless Steel and Monel Coupling Availability, See Hose Coupling Selection Chart on Page 7.1.

Grease Lubrication Hoses

31GW/ 32GW/ 34GW Grease Lubrication Hoses



Features

- Complete Line Designed for Different Pressure Needs
- Replace Rigid Nylon and/or Steel Pipes
- Chemically Resistant to Hydrocarbons (Oil and Grease)
- Very Flexible
- Compact
- Temperature Range:
 - 31GW -10°F to 150°F (-23°C to 66°C)
 - 32GW, 34GW -4°F to 104°F (-20°C to 40°C)
- 31GW Conforms to IJ100 Jacking Hose Standard

Applications

- Hand-Held Grease Guns
- Central Lubricating Systems

Construction

- Black Polyurethane Cover (Except 32GW-DN4-JK1: Nylon Cover)
- Braided Synthetic Fiber Reinforcement Bonded to the Core Tube
- Nylon Core Tube

Part Number	Nominal I.D.		Maximum O.D.		Minimum Bend Radius		Recommended Working Pressure**		Minimum Burst Pressure		Weight		Swage Die Part No. 4540	Permanent Coupling Series* Steel	Reusable Coupling Series*
	in	mm	in	mm	in	mm	psi	bar	psi	bar	lbs/100 ft	kg/100 m			
31GW-03	3/16	4.8	.409	10.4	3/4	19	6,000	414	12,000	827	4.36	6.5	J03	3903/7903	-
32GW-DN4	5/32	4.15	.430	10.9	13/16	20	5,800	400	13,060	900	5.73	8.5	-	-	7950/7951
32GW-DN4-JK1	5/32	4.15	.330	8.4	13/16	20	5,800	400	13,060	900	2.83	4.2	-	-	7950/7951
32GW-DN4-JK2	5/32	4.15	.330	8.4	13/16	20	5,800	400	13,060	900	2.89	4.3	-	-	7950/7951
32GW-DN4-JK3	5/32	4.15	.340	8.7	13/16	20	5,800	400	13,060	900	3.03	4.5	-	-	7950/7951
34GW-DN4	5/32	4.15	.340	8.7	13/16	20	3,480	240	8,700	600	3.03	4.5	-	-	7950/7951

*Steel Couplings Shown on Pages 7.3-7.25. For Stainless Steel and Monel Coupling Availability, See Hose Coupling Selection Chart on Page 7.1.

**Working Pressure Based on Performance per MHI IJ100 Specification

Paint Spray Hose

3420 Electrically Conductive Paint Spray Hose



Features

- Temperature Range: -40°F to 150°F (-40°C to 66°C)
- Wireless Design Dissipates Static Electricity
- Proprietary Conductive Polymer
- Resistant to Paint Solvents
- Designed for Use With Electrically Conductive Coupling

Applications

- Airless Paint Spray Supply Lines

Construction

- Black Polyurethane Cover
- Nylon-Lined Electrically Conductive Core Tube
- Spiraled or Braided Synthetic Fiber Reinforcement

Part Number	Nominal I.D.		Maximum O.D.		Minimum Bend Radius		Recommended Working Pressure		Minimum Burst Pressure		Weight		Swage Die Part No.	Permanent Coupling Series
	in	mm	in	mm	in	mm	psi	bar	psi	bar	lbs/100 ft	kg/100 m		
3420-03	3/16	4.8	.425	10.8	3/4	19	3,300	228	13,200	910	4.6	6.8	Synflex Paint Spray Hose is Available Only as Completed Assemblies Through the Factory or Eaton Performance Plastics Authorized Assemblers.	
3420-04	1/4	6.4	.520	13.2	1	25	3,300	228	13,200	910	6.2	9.2		
3420-06	3/8	9.5	.730	18.5	2-1/2	63	3,300	228	13,200	910	12.8	18.9		

3490 Electrically Conductive Paint Spray Hose



Features

- Temperature Range: -40°F to 150°F (-40°C to 66°C)
- Wireless Design Dissipates Static Electricity
- Resistant to Paint Solvents
- Designed for Use With Electrically Conductive Coupling

Applications

- Airless Paint Spray Supply Lines

Construction

- Black Polyurethane Cover
- Nylon-Lined Electrically Conductive Core Tube
- Braided Synthetic Fiber Reinforcement

Part Number	Nominal I.D.		Maximum O.D.		Minimum Bend Radius		Recommended Working Pressure		Minimum Burst Pressure		Weight		Swage Die Part No.	Permanent Coupling Series
	in	mm	in	mm	in	mm	psi	bar	psi	bar	lbs/100 ft	kg/100 m		
3490-04	1/4	6.4	.630	16.0	2	51	5,000	345	20,000	1,379	11.6	17.3	Synflex Paint Spray Hose is Available Only as Completed Assemblies Through the Factory or Eaton Performance Plastics Authorized Assemblers.	
3490-06	3/8	9.5	.766	19.5	4	102	5,000	345	20,000	1,379	15.2	22.6		

Electrically Conductive Paint Spray Hose Assembly

Construction

- Spring Guard
- Warning Tag
- Synflex Paint Spray Hose
- Electrically Conductive Coupling



4202 Paint Spray Tubing



Features

- Temperature Range: -40°F to 150°F (-40°C to 66°C)
- Translucent Design for Easy Inspection of Paint Flow
- Flexible and Lightweight
- Excellent Resistance to Paint and Cleaning Solvents

Applications

- Low Pressure Air-Operated Paint Spray Systems

Construction

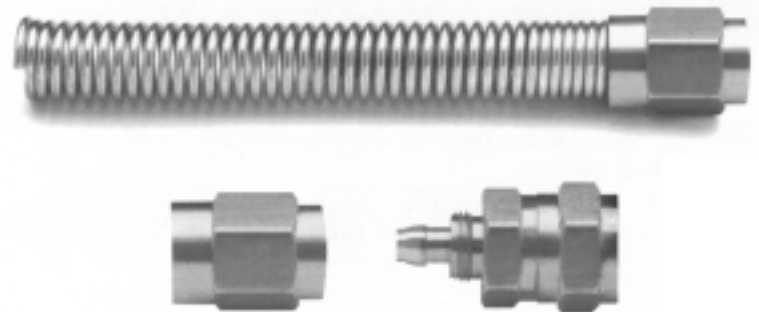
- Nylon Single Wall Design
- Non-Staining, Non-Swelling Core Tube

Part Number	Nominal I.D.		Nominal O.D.		Nominal Wall Thickness		Recommended Working Pressure @75°F (23.9°C)		Minimum Burst Pressure @75°F (23.9°C)		Unsupported Minimum Bend Radius		Weight	
	in	mm	in	mm	in	mm	psi	bar	psi	bar	in	mm	lbs/100 ft	kg/100 m
4202-0450	1/8	3.2	.275	7.0	.050	1.3	475	32.8	2,000	137.9	1.50	38.1	1.23	1.8
4202-0638	3/16	4.8	.264	6.7	.038	1.0	275	19.0	1,100	75.9	1.75	44.5	1.21	1.8
4202-0850	1/4	6.4	.350	8.9	.050	1.3	275	19.0	1,100	75.9	2.50	63.5	2.15	3.2
4202-1050	5/16	7.9	.412	10.5	.050	1.3	225	15.5	900	62.1	2.75	69.9	2.55	3.8
4202-1262	3/8	9.5	.499	12.7	.062	1.6	200	13.8	900	62.1	3.00	76.2	3.86	5.7

4401 Paint Spray Tubing Fittings

Features

- Corrosion Resistant Plated Brass and Aluminium Fittings
- Contoured Nut Eliminates Need for Ferrule; Helps Eliminate Leaks
- With or Without Spring Guard to Prevent Kinking
- Easy to Assemble, Completely Reusable



Tubing	Nominal I.D. in	Fitting Descriptions	Part Number
4202-0450	1/8	1/8 NPT Male	4401-4440
		1/4 NPSM	4401-5480
4202-0638	3/16	1/4 NPSM	4401-5680
4202-0850	1/4	1/8 Male Pipe	4401-4840
		Special 1/8 Male Pipe w/Spring Guard	4401-6840
		1/4 NPSM	4401-5880
		Special 1/4 NPSM w/Spring Guard	4401-7880
		9/16 x 20 Straight Mechanical	4401-5818
		Special 9/16 x 20 w/Spring Guard	4401-7818
		3/8NPSM	4401-5812
		Special 3/8 NPSM w/Spring Guard	4401-7812
4202-1262	3/8	9/16 x 20 Straight Mechanical	4401-51218
		3/8 NPSM	4401-51212

Horticultural Spray Tubing

4233 Horticultural Spray Tubing



Features

- Core Tube Resists Hydrocarbon Deposit Build-up
- Offers Excellent Kink Resistance, Good Resistance to Vacuum Collapse
- Lightweight for Easier Handling
- Provides Higher Temperature Resistance and Excellent Flexibility
- Contains Three Flexible Layers for Maximum Flexibility

Applications

- Weed Spray Control
- Horticultural Spray

Construction

- Bonded Co-Extruded Nylon Polyethylene Construction

Part Number	Nominal I.D.		Nominal O.D.		Wall Thickness		Minimum Burst Pressure 75°F (23.9°C)		Weight	
	in	mm	in	mm	in	mm	psi	bar	lbs/ 100 ft	kg/ 100 m
	4233-0450	1/4	6.4	.350	8.9	.050	1.3	800	55	3.17
4233-0550	5/16	8.1	.420	10.7	.050	1.3	800	55	4.05	6.0
4233-0662	3/8	9.5	.500	12.7	.062	1.6	800	55	4.75	7.1
4233-0768	7/16	11.1	.574	14.6	.068	1.7	800	55	5.25	7.8
4233-0875	1/2	13.0	.650	16.5	.075	1.9	250	17	6.5	9.6

Exhaust Gas Analyzer Tubing

4262 Exhaust Gas Analyzer Tubing



Features

- Temperature Range: -40°F to 200°F (-40°C to 93°C)
- Smooth Core Tube Resists Hydrocarbon Deposit Buildup
- Special Polymer Cover Provides Excellent Temperature Resistance
- Very Flexible, Flame Retardant
- Bonded Co-Extruded Construction for Kink Resistance
- Resistant to Vacuum Collapse

Applications

- Emissions Analysis
- Low Pressure Pneumatics
- Low Pressure Chemical Transfer
- Vacuum Applications

Construction

- Proprietary Black Polymer Exterior
- Nylon Lined

Part Number	Nominal I.D.		Nominal O.D.		Wall Thickness		Minimum Bend Radius		Weight	
	in	mm	in	mm	in	mm	in	mm	lbs/ 100 ft	kg/ 100 m
	4262-3010	3/16	4.8	.377	9.6	.090	2.3	.75	19.1	3.3
4262-4010	1/4	6.6	.445	11.3	.085	2.2	.75	19.1	4.6	6.8
4262-4020	1/4	6.4	.460	11.7	.098	2.4	.75	19.1	5.0	7.4
4262-5030	5/16	7.9	.527	13.4	.100	2.5	.87	22.1	6.1	9.0