

## Hose - Medium Pressure

H166 Truck Hose  
SAE J1402 TYPE AII DOT AII



**Typical Application:** General purpose truck hose. For use in air brake, fuel, diesel fuel and high temperatures petroleum oil applications.

**Inner Tube:** Nitrile

**Reinforcement:** 1 Fiber Braid - 1 Stainless Steel Braid

**Cover:** Fiber Braid

**Temp. Range:**

**Air Brake:** -40°F to +160°F (-40°C to +93°C)

**Hydraulic Fluid:** -40°F to +250°F (-40°C to +100°C)

\*16 and 20 sizes not SAE or DOT approved for air brake applications.

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	INCH. MERC. VAC. ("HG)	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H16604	3/16	33/64	1,500	6,000	1-1/2	25	11	50'	
H16604-250R								250'	
H16605	1/4	37/64	500	2,000	1-3/4	25	13	50'	
H16605-250R								250'	C-O-C 069 'E' Series Pages 100-103
H16606	5/16	43/64	500	2,000	2	25	18	50'	
H16606-250R								250'	Field Attachable 069 'D' Series Pages 218-219
H16608	13/32	49/64	500	2,000	2-5/16	25	21	50'	
H16608-250R								250'	
H16610	1/2	59/64	450	1,800	2-3/4	25	29	50'	
H16610-250R								250'	
H16612	5/8	1-5/64	450	1,800	3-1/4	25	37	50'	
H16612-250R								250'	247 'N' Series except -20 size) Pages 230-235
H16616*	7/8	1-15/64	250	1,000	4	25	38	50'	
H16616-250R*								250'	
H16620*	1-1/8	1-33/64	250	1,000	5-1/2	25	46	50'	

H209 General Purpose Hose



**Typical Application:** General hydraulic and pneumatic service; high temperature industrial cleaning and car wash applications.

**Inner Tube:** Nylon 11

**Reinforcement:** 1 Fiber Braid

**Cover:** Polyurethane

**Temp. Range:** -40°F to +200°F (-40°C to +93°C)

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H20904-500R	1/4	29/64	2,250	9,000	1-1/2	5	500'	
H20905-500R	5/16	1/2	1,750	7,000	1-3/4	6	500'	
H20906-250R	3/8	9/16	1,350	5,400	2-1/2	7	250'	C-O-C 'E' Series Pages 92-99
H20908-250R	1/2	45/64	1,000	4,000	3-1/2	9	250'	

# Hose - Medium Pressure

## H213 Truck Hose

SAE J1402 TYPE AI DOT AI



**Typical Application:** General purpose truck hose. For use in air brake, fuel, diesel fuel and high temperature petroleum oil applications.

**Inner Tube:** CPE

**Reinforcement:** 1 Fiber Braid - 1 Steel Braid.

**Cover:** Fiber Braid

**Cover Color:** Black with 2 green stripes 190° apart.

**Temp. Range:**

**Air Brake:** -40°F to +200°F (-40°C to +93°C)

**Hot Oil:** -50°F to +302°F (-45°C to +150°C)

\*16 size is not SAE J1402 or DOT approved for air brake applications.

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	INCH. MERC. VAC. ("HG)	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H21304	3/16	31/64	2,000	8,000	3/4	25	12	50'	
H21304-250R								250'	
H21305	1/4	35/64	1,500	6,000	1	25	13	50'	
H21305-250R								250'	
H21306	5/16	39/64	1,500	6,000	1-1/4	25	16	50'	
H21306-250R								250'	
H21308	13/32	47/64	1,250	5,000	1-3/4	25	19	50'	
H21308-250R								250'	
H21310	1/2	53/64	1,000	4,000	2-1/4	25	21	50'	
H21310-250R								250'	
H21312	5/8	61/64	750	3,000	2-3/4	25	26	50'	
H21312-250R								250'	
H21316*	7/8	1-13/64	400	1,600	3-1/2	25	32	50'	

Field  
Attachable  
213 'N'  
Series  
Pages  
226-229

# Hose - Medium Pressure

## H324 Power Steering Hose GAE J188TYPE 2



**Typical Application:** Passenger Car/Light Truck power steering hose (Volumetric Expansion 8 to 17 cc/ft).

**Inner Tube:** Neoprene

**Reinforcement:** 2 Fiber Braids

**Cover:** Neoprene

**Temp. Range:** -40°F to +250°F (-40°C to +120°C)

\*See pages 316-317 for Power Steering Makeup information.

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H32406*	3/8	3/4	1,500	6,000	3-1/8	24	50'	C-O-C 'U' Series Pages 263-183

## H104 Hydraulic Hose GAE 100R1 TYPE AT, ABS



**MSHA Accepted**

**Marine Application J1942/1/1 - Fuel and Lube Service, ABS<sup>1</sup>**

**Typical Application:** Most commonly used for medium pressure hydraulic lines. Especially popular for farm implement hydraulic lines.

**Inner Tube:** Nitrile all sizes except 1/4" is Neoprene

**Reinforcement:** 1 Steel Braid

**Cover:** Neoprene

**Temp. Range:** -40°F to +212°F (-40°C to +100°C)

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H10404	1/4	17/32	2,750	11,000	4	15	50'	
H10404-250R							250'	
H10404-500R							500'	
H10406	3/8	23/32	2,250	9,000	5	23	50'	C-O-C 'S' Series (except -10 size) Page 160
H10406-250R							250'	
H10406-500R							500'	
H10408	1/2	27/32	2,000	8,000	7	29	50'	
H10408-250R							250'	C-O-C 'U' Series Page 163-183
H10408-500R							500'	
H10410	5/8	31/32	1,500	6,000	8	35	50'	
H10410-250R							250'	Field Attachable 104 'N' Series (except -10 size) Page 222-225
H10412	3/4	1-1/8	1,250	5,000	9-1/2	41	50'	
H10412-250R							250'	
H10416	1	1-7/16	1,000	4,000	12	55	50'	
H10416-250R							250'	
H10420	1-1/4	1-3/4	625	2,500	16-1/2	85	50'	
H10420-100							100'	

See pages 29-30 for applicable service pressures, required fire sleeves and qualified hose ends.

# Hose - Medium Pressure

H069 General Purpose  
Hose Truck Hose  
SAE 100R5, SAE J1402 TYPE II, I,  
DOT AIII, ABS



## ABS<sup>1</sup>

**Typical Application:** General purpose truck and hydraulic hose. For use in air brake, fuel, grease lines, high temperature petroleum oils and medium pressure hydraulic applications. -16 thru -48 sizes are not SAE or DOT approved for air brake applications.

**Inner Tube:** Nitrile

**Reinforcement:** 1 Fiber Braid - 1 Steel Braid

**Cover:** Fiber Braid

**Temp. Range:** -40°F to +212°F (-40°C to +100°C)

**Air Brake:** -40°F to +200°F (-40°C to +93°C)

<sup>1</sup>Sizes -4 thru -12 only

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	INCH. MERC. VAC. ("HG)	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H06904	3/16	33/64	3,000	12,000	3	25	16	50'	
H06904-250R								250'	
H06905	1/4	37/64	3,000	12,000	3-3/8	25	20	50'	
H06905-250R								250'	
H06906	5/16	43/64	2,250	9,000	4	25	23	50'	
H06906-250R								250'	
H06908	13/32	49/64	2,000	8,000	4-5/8	25	27	50'	
H06908-250R								250'	
H06910	1/2	59/64	1,750	7,000	5-1/2	25	36	50'	
H06910-250R								250'	
H06912	5/8	1-5/64	1,500	6,000	6-1/2	25	44	50'	
H06912-250R								250'	
H06916	7/8	1-15/64	800	3,200	7-3/8		46	50'	
H06916-250R								250'	
H06920	1-1/8	1-1/2	625	2,500	9		51	50'	
H06920-150								150'	
H06924	1-3/8	1-3/4	500	2,000	10-1/2		62	50'	
H06924-100								150'	
H06932	1-13/16	2-7/32	350	1,400	13-1/4		85	50'	
H06932-100								100	
H06940	2-3/8	2-7/8	350	1,400	24		143	50'	
H06948	3	3-9/16	200	800	33		209	50'	

C-O-C  
069 'E' Series  
(except size  
-32, -40 & -48)  
Pages  
100-103

Field  
Attachable  
069 'D' & 'T'  
Pages  
218-219

Field  
Attachable  
247 'N' Series  
(sizes -4 to  
-16)  
Pages  
230-235

<sup>1</sup>See pages 29-30 for applicable service pressures, required fire sleeves and qualified hose ends.

# Hose - Medium Pressure

**WARNING:** For PTFE hose application, 'E' series fittings must be used with H243 or H277 .030" thin wall hose only.

## H243 PTFE Hose - EVERFLEX



### FDA Accepted Material

**Typical Application:** Hydraulic, air and steam lines. Particularly suited for air compressor discharge lines where vibration and high temp are present.

**Inner Tube:** PTFE

**Reinforcement:** Single Stainless Steel Braid, 1" Size Double Stainless Steel Braid (Type 304)

**Temp. Range:** -65°F to +450°F (-54°C to +232°C)

\*For applications above +300°F (+149°C)

**Note:** Not for use in applications requiring static dissipation.

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H24303	3/16	5/16	3,000	12,000	2	6	50'	
H24303-150R				9,600*			150'	
H24304	1/4	23/64	3,000	12,000	3	8	50'	
H24304-100R				9,600*			100'	
H24305	5/16	27/64	2,500	10,000	4	10	50'	
H24305-100R				8,000*			100'	
H24306	3/8	1/2	2,000	8,000	5	12	50'	C-O-C 'E' Series Pages 92-99
H24306-100R				6,000*			100'	
H24308	1/2	41/64	1,750	7,000	6-1/2	15	50'	
H24308-100R				5,500*			100'	
H24312	3/4	57/64	1,000	4,000	9	22	50'	
				3,500*				
H24316	1	1-1/8	1,000	4,000	12	49	50'	
				3,250*				

## H277 Conductive PTFE Hose - EVERFLEX



**Typical Application:** Hydraulic, air and steam lines. Particularly suited for air compressor discharge lines where vibration and high temp are present.

**Inner Tube:** PTFE

**Reinforcement:** Single Stainless Steel Braid, 1" Size Double Stainless Steel Braid (Type 304)

**Temp. Range:** -65°F to +450°F (-54°C to +232°C)

\*For applications above +300°F (+149°C)

**Note:** For use in applications requiring static dissipation.

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H27703	3/16	5/16	3,000	12,000	2	6	50'	
H27703-150R				9,600*			150'	
H27704	1/4	23/64	3,000	12,000	3	8	50'	
H27704-100R				9,600*			100'	
H27705	5/16	27/64	2,500	10,000	4	10	50'	
H27705-100R				8,000*			100'	
H27706	3/8	1/2	2,000	8,000	5	12	50'	C-O-C 'E' Series Pages 85-92-99
H27706-100R				6,000*			100'	
H27708	1/2	41/64	1,750	7,000	6-1/2	15	50'	
H27708-100R				5,500*			100'	
H27712	3/4	57/64	1,000	4,000	9	22	50'	
				3,500*				
H27716	1	1-1/8	1,000	4,000	12	49	50'	
				3,350*				

# Hose - Medium Pressure

## H569 Hydraulic Hose

SAE 100R5, SAE J1402 TYPE AII,  
DOT AII\*, ABS



### Marine Application - Hydraulic only<sup>1</sup>

ABS approved for sizes 5/16 through 1-1/8 inches.<sup>1</sup>

**Typical Application:** General purpose truck, marine and hydraulic hose. For use in air brake\*, diesel fuel, grease lines, high temperature petroleum oils and medium pressure hydraulic applications.

**Inner Tube:** CPE

**Reinforcement:** 2 Fiber Braids and 1 Steel Braid

**Cover:** Fiber Braid

**Cover Color:** Blue

**Temp. Range:** Hydraulic Fluid: -55°F to 302°F (-48°C to 150°C)

Air Brake: -40°F to 200°F (-40°C to 93°C)\*

Air: -40°F to 212°F (-40°C to 100°C) Intermittent to 250°F

\*Air brake applications, sizes -04 through -12 only.

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	INCH. MERC. VAC. ("HG)	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H56904	3/16	33/64	3,000	12,000	3	28	16	50'	
H56904-250R								250'	
H56905	1/4	37/64	3,000	12,000	3-3/8	28	20	50'	
H56905-250R								250'	
H56906	5/16	43/64	2,250	9,000	4	28	23	50'	
H56906-250R								250'	
H56908	13/32	49/64	2,000	8,000	4-5/8	28	27	50'	
H56908-250R								250'	
H56910	1/2	59/64	1,750	7,000	5-1/2	28	36	50'	
H56910-250R								250'	
H56912	5/8	1-5/64	1,500	6,000	6-1/2	28	44	50'	
H56912-250R								250'	
H56916	7/8	1-15/64	800	3,200	7-3/8	20	46	50'	
H56916-250R								250'	
H56920	1-1/8	1-1/2	625	2,500	9	20	51	50'	
H56920-250R								250'	

C-O-C 069  
'E' Series  
Pages  
100-103

Field  
Attachable  
247 'N'  
Series (sizes  
-6 to -12)  
Pages 230-  
235

<sup>1</sup>See pages 29-30 for applicable service pressures, required fire sleeves and qualified hose ends.

# Hose - Medium Pressure

## H169 Hydraulic Hose



### MSHA Accepted

**Typical Application:** Medium pressure hydraulic, air, grease, oil, truck and power steering lines.

**Inner Tube:** Nitrile

**Reinforcement:** 1 Steel Braid

**Cover:** Neoprene Perforated

**Temp. Range:** -40°F to +212°F (-40°C to +100°C)

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H16904	3/16	33/64	3,000	12,000	3	16	50'	
H16904-250R							250'	
H16905	1/4	37/64	3,000	12,000	3-3/8	20	50'	
H16905-250R							250'	
H16906	5/16	43/64	2,250	9,000	4	23	50'	
H16906-250R							250'	
H16908	13/32	49/64	2,000	8,000	4-5/8	27	50'	
H16908-250R							250'	
H16910	1/2	59/64	1,750	7,000	5-1/2	36	50'	
H16910-250R							250'	
H16912	5/8	1-5/64	1,500	6,000	6-1/2	44	50'	
H16912-250R							250'	
H16916	7/8	1-15/64	800	3,200	7-3/8	46	50'	
H16916-250R							250'	
H16920	1-1/8	1-1/2	625	2,500	9	51	50'	
H16920-150							150'	
H16924	1-3/8	1-3/4	500	2,000	10-1/2	62	50'	
H16924-100							100'	
H16932	1-13/16	2-7/32	350	1,400	13-1/4	85	50'	

C-O-C  
069 'E' Series  
(except -32  
size)  
Pages 100-103

Field  
Attachable  
069 'D' Series  
Pages 218-219

247 'N' Series  
(except -20, -24  
& -32 size)  
Pages 230-235

## Hose - Medium Pressure

H435 Non-Conductive Hose  
SAE 100R7



**Typical Application:** Compatible w/most hydraulic fluids, designed for use where electric shock hazards exist. Max. leakage is 50 Micro Amperes per ft. at 75 KV per ft. for five minutes.

**Inner Tube:** Nylon 11

**Reinforcement:** 2 Fiber Braids

**Cover:** Non-Conductive Polyurethane

**Cover Color:** Orange

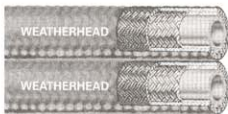
**Temp. Range:** -40°F to +200°F (-40°C to +93°C)

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H43504	1/4	29/64	2,750	11,000	1	5	50'	
H43504-500R							500'	
H43505	5/16	9/16	2,500	10,000	1-1/2	7	50'	
H43505-500R							500'	C-O-C 'E' Series Pages 92-99
H43506	3/8	5/8	2,250	9,000	2	8	50'	
H43506-250R							250'	Field Attachable 436 'N' Series Pages 240-241
H43508	1/2	13/16	2,000	8,000	2-1/2	12	50'	
H43508-250R							250'	
H43512	3/4	1-1/16	1,250	5,000	9-1/2	19	50'	
H43516	1	1-3/8	1,000	4,000	12	25	50'	



## Hose - Medium Pressure

H435 Twin Line Non-Conductive Hose  
SAE 100R7, Multi-Tube



**Typical Application:** Compatible w/most hydraulic fluids, designed for use where electric shock hazards exist. Max. leakage is 50 Micro Amperes per ft. at 75 KV per ft. for five minutes.

**Inner Tube:** Nylon 11

**Reinforcement:** 2 Fiber Braids

**Cover:** Non-Conductive Polyurethane

**Cover Color:** Orange

**Temp. Range:** -40°F to +200°F (-40°C to +93°C)

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT PER 100 FT.	AVAIL. LENGTHS	HOSE END
H43544	1/4, 1/4				1	10	50'	
H43544-250R							250'	
H43545	1/4, 5/16				1-1/2	12	50'	
H43545-250R							250'	
H43546	1/4, 3/8				2	13	50'	
H43546-250R							250'	
H43555	5/16, 5/16				1-1/2	14	50'	
H43555-250R							250'	
H43556	5/16, 3/8		Same as H435		2	15	50'	
H43556-250R							250'	
H43558	5/16, 1/2				2-1/2	19	50'	
H43558-250R							250'	
H43566	3/8, 3/8				2	16	50'	
H43566-250R							250'	
H43568	3/8, 1/2				2-1/2	20	50'	
H43568-250R							250'	
H43588	1/2, 1/2				2-1/2	24	50'	
H43588-250R							250'	

C-O-C 'E'  
Series Pages  
92-99

Field  
Attachable  
436 'N'  
Series  
Pages 240-241

## Hose - Medium Pressure

H436 Perforated Cover Hose  
SAE 100R7



**Typical Application:** In addition to its compatibility with most hydraulic fluids, the low effusion rate of this hose makes it ideally suited for CO<sub>2</sub> and nitrogen. Perforated cover permits breathing, eliminating condensation and blistering.

**Inner Tube:** Nylon 11

**Reinforcement:** 2 Fiber Braids

**Cover:** Polyurethane (Perforated)

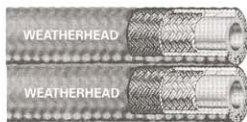
**Temp. Range:** -40°F to +200°F (-40°C to +93°C)

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H43604	1/4	29/64	2,750	11,000	1	5	50'	C-O-C 'E' Series Pages 92-99
H43604-500R							500'	
H43605	5/16	9/16	2,500	10,000	1-1/2	7	50'	Field Attachable 436 'N' Series Pages 240-241
H43605-500R							500'	
H43606	3/8	5/8	2,250	9,000	2	8	50'	
H43606-250R							250'	
H43608	1/2	51/64	2,000	8,000	2-1/2	12	50'	
H43608-250R							250'	
H43612	3/4	1-1/16	1,250	5,000	9-1/2	19	50'	
H43616	1	1-3/8	1,000	4,000	12	25	50'	

## Hose - Medium Pressure

### H436 Twin Line Perforated Cover Hose

SAE 100R7, Multi-Tube



**Typical Application:** In addition to its compatibility with most hydraulic fluids, the low effusion rate of this hose makes it ideally suited for CO<sub>2</sub> and nitrogen. Perforated cover permits breathing, eliminating condensation and blistering.

**Inner Tube:** Nylon 11

**Reinforcement:** 2 Fiber Braids

**Cover:** Polyurethane (Perforated)

**Temp. Range:** -40°F to +200°F (-40°C to +93°C)

CATALOG NUMBER	HOSE I.D.	HOSE O.D.	WORKING PRESS. (PSI)	MIN. BURST PRESS. (PSI)	MIN. BEND RADIUS	WT. PER 100 FT.	AVAIL. LENGTHS	HOSE END
H43644	1/4, 1/4				1	10	50'	
H43644-250R							250'	
H43645	1/4, 5/16				1-1/2	12	50'	
H43645-250R							250'	
H43646	1/4, 3/8				2	13	50'	
H43646-250R							250'	
H43648	1/4, 1/2				2-1/2	17	50'	
H43648-250R							250'	
H43655	5/16, 5/16				1-1/2	14	50'	
H43655-250R			Same as H436				250'	
H43656	5/16, 3/8				2	15	50'	
H43656-250R							250'	
H43658	5/16, 1/2				2-1/2	19	50'	
H43658-250R							250'	
H43666	3/8, 3/8				2	16	50'	
H43666-250R							250'	
H43668	3/8, 1/2				2-1/2	18	50'	
H43668-250R							250'	
H43688	1/2, 1/2				2-1/2	24	50'	
H43688-250R							250'	

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