

Hose - Hydraulic

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H039 Suction Hose

SAE 100R4, 1/2 SAE Bend Radius



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Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Vacuum Service		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Hg	Kg/m	lbs/100ft	feet	
H03912 H03912-100 H03912-150	19,1	0.75	3/4	32,5	1.28	1-9/32	20,1 6,9	300 100*	82,7 27,6	1,200 400*	63,5	2.50	25	20,0	44	50 100 150	
H03916 H03916-100 H03916-150	25,4	1.00	1	38,1	1.50	1-1/2	17,2 4,8	250 70*	69,0 19,3	1,000 280*	76,2	3.00	25	23,6	52	50 100 150	
H03920 H03920-100 H03920-150	31,8	1.25	1-1/4	46,4	1.83	1-53/64	113,8 3,4	200 50*	55,2 13,8	800 200*	101,6	4.00	25	34,0	75	50 100 150	
H03924 H03924-100 H03924-150	38,1	1.50	1-1/2	52,8	2.08	2-5/64	10,3	150	41,4	600	127,0	5.00	25	38,6	85	50 100 150	
H03932 H03932-100 H03932-150	50,8	2.00	2	66,3	2.61	2-39/64	6,9	100	27,6	400	152,4	6.00	25	52,6	116	50 100 150	

Inner Tube: CPE

Reinforcement: 1 helical cable wire between two textile layers. 1 Fiber Braid.

Cover: Neoprene

Temp. Range:
-40°C to +135°C
(-40°F to +275°F)

Typical Application:
Hydraulic Suction Hose

Marine Application
J1942/1 - Hydraulic only.
ABS¹, MSHA Accepted

¹See pages A-33-34 for applicable service pressures, required fire sleeves and qualified hose ends.

*When used with 039 'K' and 'K' Series Ends and 6203 clamps.

Hose Fitting Reference	Page
<i>C-O-C</i>	
'S' Series (-12 to -20)	J-38
'U' Series (-12 to -20)	J-39-57
430 'U' Series (-24 & -32)	J-58-68
'Z' Series	J-69-94
<i>Field Attachable</i>	
'K' Series (-12 to -20)	K-14
039 'K' Series (-12 to -20)	K-15

H324 Power Steering Hose



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H32406*	9,5	0.38	3/8	19,1	0.75	3/4	78	1,125	310	4,500	101,6	4.00	9,5	21	50

Inner Tube: Nitrile

Reinforcement:
2 Fiber Braids

Cover: Neoprene

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

Typical Application:
Passenger Car/Light Truck
power steering hose

*See pages N-79-81 for Power Steering Makeup information.

Hose Fitting Reference	Page
<i>C-O-C</i>	
'U' Series	J-39-57

H017 Hydraulic Hose

SAE 100R3



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H01704 H01704-250R	6,4	0.25	1/4	14,3	0.56	9/16	86,2	1,250	344,8	5,000	76,2	3.00	5,9	13	50 250
H01706 H01706-250R	9,5	0.38	3/8	19,1	0.75	3/4	77,6	1,125	275,8	4,000	101,6	4.00	10,0	22	50 250
H01708 H01708-250R	12,7	0.50	1/2	23,8	0.94	15/16	69,0	1,000	275,8	4,000	127,0	5.00	12,7	28	50 250
H01712 H01712-250R	19,1	0.75	3/4	31,8	1.25	1-1/4	51,7	750	206,9	3,000	152,4	6.00	19,5	43	50 250
H01716 H01716-250R	25,4	1.00	1	38,1	1.50	1-1/2	31,0	565	155,1	2,250	203,2	8.00	29,0	64	50 250
H01720	31,8	1.25	1-1/4	44,5	1.75	1-3/4	25,9	375	103,4	1,500	254,0	10.00	36,3	80	50

Inner Tube: Nitrile
Reinforcement:
 2 Fiber Braids
Cover: Neoprene
Temp. Range:
 -40°C to +100°C
 (-40°F to +212°F)

Typical Application: Low pressure fuel & oil lines. Hydraulic return lines.
Marine Application
J1942/1/1 - Hydraulic only¹
MSHA Accepted

¹See pages A-33-34 for applicable service pressures, required fire sleeves and qualified hose ends.

Hose Fitting Reference	Page
C-O-C	
'U' Series	J-39-57

H104 Hydraulic Hose

SAE 100R1 TYPE AT, ABS



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H10404 H10404-250R H10404-500R	6,4	0.25	1/4	13,5	0.53	17/32	189,6	2,750	758,4	11,000	101,6	4.00	6,8	15	50 250 500
H10406 H10406-250R H10406-500R	9,5	0.38	3/8	18,3	0.72	23/32	155,1	2,250	620,6	9,000	127,0	5.00	10,4	23	50 250 500
H10408 H10408-250R H10408-500R	12,7	0.50	1/2	21,4	0.84	27/32	137,9	2,000	551,6	8,000	177,8	7.00	13,2	29	50 250 500
H10410 H10410-250R	15,9	0.63	5/8	24,6	0.97	31/32	103,4	1,500	413,7	6,000	203,2	8.00	15,9	35	50 250
H10412 H10412-250R	19,1	0.75	3/4	28,6	1.13	1-1/8	86,2	1,250	344,8	5,000	241,3	9.50	18,6	41	50 250
H10416 H10416-250R	25,4	1.00	1	36,5	1.44	1-7/16	69,0	1,000	275,8	4,000	304,8	12.00	24,9	55	50 250
H10420 H10420-100	31,8	1.25	1-1/4	44,5	1.75	1-3/4	43,1	625	172,4	2,500	419,1	16.50	38,6	85	50 100

Inner Tube: Nitrile
Reinforcement:
 1 Steel Braid
Cover: Neoprene
Temp. Range:
 -40°C to +100°C
 (-40°F to +212°F)

Typical Application: Most commonly used for medium pressure hydraulic lines. Especially popular for farm implement hydraulic lines.
MSHA Accepted
Marine Application
J1942/1/1 - Fuel and Lube Service, ABS1

¹See pages A-33-34 for applicable service pressures, required fire sleeves and qualified hose ends.

Hose Fitting Reference	Page
C-O-C	
'S' Series (except -10 size)	J-38
'U' Series	J-39-57
'Z' Series (-4 to -16)	J-69-94
Field Attachable	
104 'N' Series (except -10 size)	K-16-18

H190 WeatherSHIELD™ Hydraulic Hose

Meets and exceeds SAE 100R1 AT Type S, EN 853 1SN,
ISO 1436-1 Type ISN Performance



Diamond Advantage

- Pressure
- Temperature
- Abrasion Resistance



B

Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H19004 H19004-250R	6,4	0.25	1/4	13,5	0.53	17/32	255	3,700	1,020	14,800	101,6	4.00	7,3	16	50 250
H19006 H19006-250R	9,5	0.38	3/8	17,5	0.69	11/16	235	3,400	940	13,600	127,0	5.00	11,4	25	50 250
H19008 H19008-250R	12,7	0.50	1/2	20,6	0.81	13/16	200	2,900	800	11,600	177,8	7.00	13,6	30	50 250
H19010	15,9	0.63	5/8	23,8	0.94	15/16	130	1,885	520	7,540	203,2	8.00	15,9	35	50
H19012 H19012-250R	19,1	0.75	3/4	27,8	1.09	1-3/32	138	2,000	552	8,000	241,3	9.50	20,5	45	50 250
H19016 H19016-250R	25,4	1.00	1	35,7	1.41	1-13/32	103	1,500	412	6,000	304,8	12.00	30,9	68	50 250
H19020	31,8	1.25	1-1/4	43,4	1.71	1-3/4	69	1,000	276	4,000	419,1	16.50	40,9	88	50
H19024	38,1	1.50	1-1/2	50,6	1.99	2	52	750	208	3,000	508,0	20.00	47,7	105	50
H19032	50,8	2.00	2	64,0	2.52	2-1/2	41	600	164	2,400	635,0	25.00	59,5	131	50

Inner Tube: Synthetic rubber tube

Reinforcement:
1 Steel Braid

Cover: WeatherSHIELD
Synthetic rubber cover

Typical Application:
Hydraulic system service with petroleum and water-based fluids, for general industrial service.

Temp. Range:
Petroleum Based Hydraulic Fluids:
-40°C to +127°C
(-40°F to +260°F)
Water Based Hydraulic Fluids:
-40°C to +70°C
(-40°F to +158°F)
Water:
0°C to 70°C
(+32°F to +158°F).

**MSHA Accepted
ISO 1436a
Marine Application
J1942/1¹ Hydraulic Service**

Hose Fitting Reference	Page
C-0-C	
'Z' Series	J-69-94

¹See pages A-33-34 for applicable service pressures, required fire sleeves and qualified hose ends.

H190H Hydraulic Hose

SAE 100R1 Type AT, EN 853 Type 1SN



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H190H04	6,4	0.25	1/4	13,5	0.53	17/32	225,1	3,265	900,5	13,060	101,6	4.00	6,8	15	50
H190H06	9,5	0.38	3/8	17,5	0.69	11/16	180,0	2,610	719,8	10,440	127,0	5.00	9,5	21	50
H190H08	12,7	0.50	1/2	20,6	0.81	13/16	160,0	2,320	639,9	9,280	177,8	7.00	12,7	28	50
H190H10	15,9	0.63	5/8	23,8	0.94	15/16	130,0	1,885	519,9	7,540	203,2	8.00	15,0	33	50
H190H12	19,1	0.75	3/4	27,8	1.09	1-3/32	105,1	1,525	420,6	6,100	241,3	9.50	18,6	41	50
H190H16	25,4	1.00	1	35,7	1.41	1-13/32	87,9	1,275	351,6	5,100	304,8	12.00	27,2	60	50
H190H20	31,8	1.25	1-1/4	43,9	1.73	1-3/4	62,0	900	248,0	3,600	420,0	16.50	38,6	85	50

Inner Tube: CPE
Reinforcement: 1 Steel Braid
Cover: CPE Black
Temp. Range: -40°C to +150°C (-40°F to +302°F).

Typical Application:
 Transfer of hydraulic fluid, water and air.
MSHA Accepted ISO 1436a

Hose Fitting Reference	Page
C-O-C	
'Z' Series	J-69-94

H345 Pressure Washer Hose



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H34504 H34504-100 H34504-250R H34504-500R	6,4	0.25	1/4	12,3	0.48	31/64	206,9	3,000	827,4	12,000	50,8	2.00	5,9	13	50* 100* 250 500
H34506 H34506-100 H34506-250R H34506-500R	9,5	0.38	3/8	16,3	0.64	41/64	206,9	3,000	827,4	12,000	63,5	2.50	8,2	18	50* 100* 250 500
H34508 H34508-100 H34508-250R H34508-500R	12,7	0.50	1/2	19,8	0.78	25/32	206,9	3,000	827,4	12,000	88,9	3.50	12,7	28	50* 100* 250 500

Inner Tube: Nitrile
Reinforcement: 1 Steel Braid
Cover: Blue, Vinyl Nitrile
Temp. Range:
 Pressure Washer Service up to 180°C to +93°C (-0°F to +200°F);
 Hydraulic Service -40°C to +121°C (-40°F to +250°F)

Typical Application:
 Pressure washer hose for cold and hot water. Resistant to usual detergents. Not for use with steam applications.
MSHA Accepted, IC - 46/10

*50 and *100 are one continuous length.

Hose Fitting Reference	Page
C-O-C	
'Z' Series	J-69-94

H114 Hydraulic Hose



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Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H11404	6,4	0.25	1/4	12,7	0.50	1/2	206,9	3,000	827,4	12,000	101,6	4.00	5,0	11	50
H11406	9,5	0.38	3/8	16,3	0.64	41/64	206,9	3,000	827,4	12,000	127,0	5.00	8,2	18	50
H11408	12,7	0.50	1/2	20,6	0.81	13/16	206,9	3,000	827,4	12,000	177,8	7.00	11,3	25	50

Inner Tube: Hytrel

Reinforcement:

1 Steel Braid

Cover: Neoprene

Temp. Range:

-40° C to +121° C

(-40° F to +250° F)

Typical Application: 3,000

PSI continuous working pressure hose. Ideal for farm implement high temperature hydraulic lines. Will work with synthetic or petroleum-based fluids.

MSHA Accepted

Hose Fitting

Reference

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C-O-C

'S' Series

J-38

'U' Series

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H145 Hydraulic Hose

SAE 100R17



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H14504	6,4	0.25	1/4	12,7	0.50	1/2	210,0	3,045	840,0	12,180	38,1	2.00	6,8	15	50
H14504-250R															250
H14504-500R															500
H14506	9,5	0.38	3/8	16,3	0.64	41/64	210,0	3,045	840,0	12,180	50,8	2.50	10,5	23	50
H14506-250R															250
H14506-500R															500
H14508	12,7	0.50	1/2	20,6	0.81	13/16	210,0	3,045	840,0	12,180	58,7	3.50	14,5	32	50
H14508-250R															250
H14508-500R															500
H14510	15,9	0.63	5/8	24,6	0.97	31/32	210,0	3,045	840,0	12,180	69,9	4.00	23,2	51	50
H14510-250R															250
H14512	19,1	0.75	3/4	29,4	1.16	1-5/32	210,0	3,045	840,0	12,180	82,6	4.75	28,6	63	50
H14512-250R															250
H14516	25,4	1.00	1	37,3	1.47	1-15/32	210,0	3,045	840,0	12,180	101,6	6.00	41,4	91	50
H14516-250R															250

Inner Tube: Nitrile

Reinforcement:

4-6 Size: 1 Steel Braid

8-16 Size: 2 Steel Braids

Cover: Neoprene

Temp. Range:

4-8 Size: -40° C to +121° C

(-40° F to +250° F)

10-16 Size: -40° C to +100° C

(-40° F to +212° F)

Typical Application:

Ideal for use in high pressure lines on off road construction equipment, farm equipment, and other high pressure applications where a small bend radius is needed.

¹See pages A-33-34 for applicable service pressures, required fire sleeves and qualified hose ends.

Marine Application
J1942/1 - Hydraulic only¹

MSHA Accepted

Hose Fitting

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'Z' Series

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'S' Series

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(except -04 and -10)

'U' Series (-6 thru -12)

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430 'U' Series (-16 only)

J-58-68

H145R RhinoHide II™ Abrasion Resistant Constant Pressure Hydraulic Hose

SAE 100R17



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H145R04 H145R04-250R	6,4	0.25	1/4	12,7	0.50	1/2	206,9	3,000	827,4	12,000	50,8	2.00	6,8	15	50 250
H145R06 H145R06-250R H145R06-500R	9,5	0.38	3/8	16,7	0.66	21/32	206,9	3,000	827,4	12,000	63,5	2.50	10,4	23	50 250 500
H145R08 H145R08-250R	12,7	0.50	1/2	20,2	0.80	51/64	206,9	3,000	827,4	12,000	88,9	3.50	14,5	32	50 250
H145R10	15,9	0.63	5/8	25,0	0.98	63/64	206,9	3,000	827,4	12,000	101,6	4.00	23,1	51	50
H145R12 H145R12-250R	19,1	0.75	3/4	28,6	1.13	1-1/8	206,9	3,000	827,4	12,000	120,7	4.75	28,6	63	50 250
H145R16 H145R16-250R	25,4	1.00	1	37,3	1.47	1-15/32	206,9	3,000	827,4	12,000	152,4	6.00	37,6	83	50 250

Inner Tube: Nitrile

Reinforcement:

4-8 Size: 1 Steel Braid;
10-16 Size: 2 Steel Braids

Cover: Abrasion resistant UHMWPE

Temp. Range:

-40°C to +100°C
(-40°F to +212°F)

Typical Application:

3,000 PSI constant working pressure hose with abrasion resistant cover. Ideal for logging, construction, mining and other off highway applications.

Hose Fitting Reference

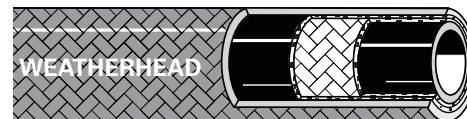
C-O-C

'Z' Series

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H146 3,000 psi Hydraulic Hose



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H14604-250R	6,4	0.25	1/4	13,1	0.52	33/64	206,9	3,000	827,4	12,000	101,6	4.00	5,0	11	250
H14606-250R	9,5	0.38	3/8	17,1	0.67	43/64	206,9	3,000	827,4	12,000	127,0	5.00	8,2	18	250
H14608-250R	12,7	0.50	1/2	20,6	0.81	13/16	206,9	3,000	827,4	12,000	177,8	7.00	11,3	25	250

Inner Tube: Hytrel™

Reinforcement: 1 Steel Braid

Cover: Abrasion Resistant Fiber Braid

Temp. Range:

-53°C to +121°C
(-65°F to +250°F)

Typical Application: 3,000

psi continuous working pressure hose. Ideal for Arctic cold weather hydraulic applications, as well as for farm implement high temperature hydraulic lines. Will work with synthetic or petroleum-based fluids.

Hytrel is a trademark of E.I. DuPont.

Hose Fitting Reference

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'U' Series

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H545 RhinoHide™ Abrasion Resistant Constant Pressure Hydraulic Hose



B

Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H54504 H54504-250R H54504-500R	6,4	0.25	1/4	13,5	0.53	17/32	206,9	3,000	827,4	12,000	50,8	2.00	6,4	14	50 250 500
H54506 H54506-250R H54506-500R	9,5	0.38	3/8	15,9	0.63	5/8	206,9	3,000	827,4	12,000	63,5	2.50	8,2	18	50 250 500
H54508 H54508-250R H54508-500R	12,7	0.50	1/2	20,6	0.81	13/16	206,9	3,000	827,4	12,000	88,9	3.50	14,5	32	50 250 500
H54510 H54510-250R	15,9	0.63	5/8	23,8	0.94	15/16	206,9	3,000	827,4	12,000	101,6	4.00	16,8	37	50 250
H54512 H54512-250R	19,1	0.75	3/4	28,6	1.13	1-1/8	206,9	3,000	827,4	12,000	120,7	4.75	24,4	54	50 250
H54516 H54516-250R	25,4	1.00	1	35,7	1.41	1-13/32	206,9	3,000	827,4	12,000	152,4	6.00	39,0	86	50 250

Inner Tube: Nitrile

Reinforcement:

4-8 Size: 1 Steel Braid;
10-16 Size: 2 Steel Braids

Cover: Abrasion resistant
(woven nylon)

Temp. Range:

-40°C to +121°C
(-40°F to +250°F)

Typical Application:

3,000 PSI constant working pressure hose with abrasion resistant cover. Ideal for logging, construction, mining and other off highway applications.

Hose Fitting Reference

C-O-C

'S' Series J-38
(sizes -4, -6, -8 & -12 only)

'U' Series (-4 to -12 only) J-39-57

430 'U' Series J-58-68
(size -16 only)

Page

H350 High Pressure Hydraulic Hose



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H35006 H35006-250R	9,5	0.38	3/8	17,5	0.69	11/16	241,3	3,500	965,3	14,000	63,5	2.50	13,2	29	50 250
H35008 H35008-250R	12,7	0.50	1/2	20,6	0.81	13/16	241,3	3,500	965,3	14,000	88,9	3.50	16,3	36	50 250
H35010	15,9	0.63	5/8	25,4	1.00	1	241,3	3,500	965,3	14,000	101,6	4.00	27,2	60	50
H35012 H35012-250R	19,1	0.75	3/4	29,4	1.16	1-5/32	241,3	3,500	965,3	14,000	120,7	4.75	31,8	70	50 250
H35016 H35016-250R	25,4	1.00	1	38,1	1.50	1-1/2	241,3	3,500	965,3	14,000	304,8	12.00	63,5	140	50 250

Inner Tube: Nitrile

Reinforcement:

6-12 sizes - 2 Steel Braids,
16 size - 4 Spiral-Steel Plies

Cover: Neoprene

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

Typical Application: Most commonly used for high pressure lines on off road equipment, farm equipment and other high pressure applications. Compatible with hydraulic fluids.

Hose Fitting Reference

C-O-C

'Z' Series J-69-94
(sizes -6 to -10 only)

'U' Series J-39-57
(sizes -6 & -8 only)

430 'U' Series J-58-68
(sizes -12 & -16 only)

Page

H400 General Purpose High Pressure Hose



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H40004 H40004-250R	6,4	0.25	1/4	15,2	0.60	19/32	280,0	4,000	1120,0	16,000	50,8	2.00	10,9	24	50 250
H40006 H40006-250R	9,7	0.38	3/8	19,3	0.76	49/64	280,0	4,000	1120,0	16,000	63,5	2.50	16,4	36	50 250
H40008 H40008-250R	12,7	0.50	1/2	22,6	0.89	57/64	280,0	4,000	1120,0	16,000	88,9	3.50	19,5	43	50 250
H40010 H40010-250R	16,0	0.63	5/8	25,7	1.01	1	280,0	4,000	1120,0	16,000	101,6	4.00	27,3	60	50 250
H40012 H400-250R	19,1	0.75	3/4	30,0	1.18	1-3/16	280,0	4,000	1120,0	16,000	120,7	4.75	32,7	72	50 250

Inner Tube: Nitrile

Reinforcement:
2 Steel Braids

Cover: Vinyl Nitrile

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

Typical Application:
High pressure lines on off-road equipment, farm equipment and other high pressure applications.

Hose Fitting Reference	Page
C-O-C	
'Z' Series	J-69-94

H245 High Pressure Hydraulic Hose

SAE 100R16, ABS



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H24504 H24504-250R H24504-500R	6,4	0.25	1/4	13,5	0.53	17/32	344,8	5,000	1379,0	20,000	50,8	2.00	8,6	19	50 250 500
H24506 H24506-250R H24506-500R	9,5	0.38	3/8	17,5	0.69	11/16	275,8	4,000	1103,2	16,000	63,5	2.50	13,2	29	50 250 500
H24508 H24508-250R H24508-500R	12,7	0.50	1/2	20,6	0.81	13/16	241,3	3,500	965,3	14,000	88,9	3.50	16,3	36	50 250 500
H24510 H24510-250R	15,9	0.63	5/8	23,8	0.94	15/16	189,6	2,750	758,4	11,000	101,6	4.00	19,1	42	50 250
H24512 H24512-250R	19,1	0.75	3/4	27,8	1.09	1-3/32	155,1	2,250	620,6	9,000	120,7	4.75	24,5	54	50 250
H24516 H24516-250R	25,4	1.00	1	35,7	1.41	1-13/32	137,9	2,000	551,6	8,000	152,4	6.00	36,7	81	50 250
H24520 H24520-150	31,8	1.25	1-1/4	45,2	1.78	1-25/32	112,0	1,625	448,2	6,500	209,6	8.25	51,7	114	50 150

Inner Tube: Nitrile Blend

Reinforcement:
2 Steel Braids

Cover: Neoprene

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

Typical Application: Most commonly used for high pressure lines on off road construction equipment, farm equipment and other high pressure applications. Compatible with generic hydraulic fluids and diesel fuel.

**MSHA Accepted, ABS¹
Marine Application J1942 -
Fuel and Lube Service.¹**

¹See pages A-33-34 for applicable service pressures, required fire sleeves and qualified hose ends.

Hose Fitting Reference	Page
C-O-C	
'Z' Series	J-69-94
'S' Series (except -10 size)	J-38
'U' Series	J-39-57
430 'U' Series (sizes -12, -16 & -20)	J-58-68

H245L WeatherFROST™

Meets and exceeds SAE 100R16 Type S, EN857 Type 2SC



Diamond Advantage

- Pressure
- Temperature
- Abrasion Resistance



B

Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths feet
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H245L04 H245L04-250R	6,4	0.25	1/4	14,2	0.56	9/16	414	6,000	1656	24,000	50,8	2.00	9,4	20	50 250
H245L06 H245L06-250R	9,7	0.38	3/8	17,3	0.68	11/16	345	5,000	1380	20,000	63,5	2.50	12,3	27	50 250
H245L08 H245L08-250R	12,7	0.50	1/2	20,8	0.82	53/64	310	4,500	1240	18,000	88,9	3.50	17,7	39	50 250
H245L10 H245L10-250R	15,9	0.63	5/8	24,9	0.98	63/64	276	4,000	1104	16,000	101,6	4.00	22,7	50	50 250
H245L12 H245L12-250R	19,1	0.75	3/4	28,4	1.12	1-1/8	241	3,500	964	14,000	120,7	4.75	28,2	62	50 250
H245L16	25,4	1.00	1	35,8	1.41	1-13/32	193	2,800	772	11,200	152,4	6.00	37,3	82	50
H245L20	31,8	1.25	1-1/4	43,4	1.71	1-23/32	159	2,300	636	9,200	209,6	8.25	48,6	107	50
H245L24	38,1	1.50	1-1/2	51,6	2.03	2-1/16	138	2,000	552	8,000	254,0	10.00	64,5	142	50
H245L32	50,8	2.00	2	63,8	2.51	2-1/2	103	1,500	412	6,000	317,5	12.50	85,5	188	50

Inner Tube: Weatherhead brand exclusive low temperature compound tube

Reinforcement:
2 Wire Braid

Cover: WeatherSHIELD Synthetic rubber cover

Temp. Range:

-57°C to +100°C
(-70°F to +212°F)

Typical Application:

Low temperature flexing and hydraulic system service with petroleum and water-base fluids. For use in frigid environments on construction equipment and other mobile applications.

MSHA Accepted

Hose Fitting Reference

C-O-C

'Z' Series

Page

J-69-94

H325 SUB ZERO™ High Pressure Hydraulic Hose



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths feet
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H32504-250R	6,4	0.25	1/4	15,1	0.59	19/32	344,8	5,000	1379,0	20,000	101,6	4.00	11,8	26	250
H32506-250R	9,5	0.38	3/8	19,1	0.75	3/4	275,8	4,000	1103,2	16,000	127,0	5.00	16,8	37	250
H32508-250R	12,7	0.50	1/2	22,2	0.88	7/8	241,3	3,500	965,3	14,000	177,8	7.00	20,4	45	250
H32512-250R	19,1	0.75	3/4	29,4	1.16	1-5/32	155,1	2,250	620,6	9,000	241,3	9.50	30,4	67	250
H32516-250R	25,4	1.00	1	38,1	1.50	1-1/2	137,9	2,000	551,6	8,000	304,8	12.00	44,5	98	250

Inner Tube: Oil and heat resistant black synthetic rubber

Reinforcement:
2 Steel Braids

Cover: Oil, abrasion and weather resistant synthetic rubber.

Temp. Range:

-55°C to +80°C
(-67° to +175°F)

Typical Application: For non-impulse, high pressure hydraulic service, specifically designed for use in frigid environment, where temperatures to -67°F are encountered.

Hose Fitting Reference

C-O-C

'U' Series

Page

J-39-57

H280 WeatherSHIELD™ Hydraulic Hose

Meets and exceeds SAE 100R16 Type S, EN857 2SC,
ISO 11237-1 Type 2SC performance



Diamond Advantage

- Pressure
- Temperature
- Abrasion Resistance



B

Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H28004 H28004-250R H28004-500R	6,4	0.25	1/4	13,5	0.53	17/32	448	6,500	1,792	26,000	50,8	2.00	10,0	22	50 250 500
H28006 H28006-250R H28006-500R	9,5	0.38	3/8	17,5	0.69	11/16	366	5,300	1,464	21,200	63,5	2.50	13,2	29	50 250 500
H28008 H28008-250R H28008-500R	12,7	0.50	1/2	20,6	0.81	13/16	310	4,500	1,240	18,000	88,9	3.50	17,7	39	50 250 500
H28010 H28010-250R	15,9	0.63	5/8	23,8	0.94	15/16	276	4,000	1,104	16,000	101,6	4.00	20,0	44	50 250
H28012 H28012-250R	19,1	0.75	3/4	27,8	1.09	1-3/32	241	3,500	964	14,000	120,7	4.75	24,1	53	50 250
H28016 H28016-250R	25,4	1.00	1	35,7	1.41	1-13/32	207	3,000	828	12,000	152,4	6.00	32,7	72	50 250
H28020 H28020-150	31,8	1.25	1-1/4	41,9	1.65	1-13/20	172	2,500	688	10,000	209,6	8.25	49,5	109	50 150
H28024 H28024-150	38,1	1.50	1-1/2	51,6	2.03	2	138	2,000	552	8,000	254,0	10.00	63,6	140	50 150
H28032	50,8	2.00	2	64,3	2.53	2-1/2	110	1,600	440	6,400	317,5	12.50	86,4	190	50

Inner Tube:

Synthetic rubber tube

Reinforcement:

2 Steel Braids

Cover: WeatherSHIELD

Synthetic rubber cover

Temp. Range:

Petroleum-based
Hydraulic Fluids:
-40°C to +127°C
(-40°F to +260°F)

Water-based Hydraulic Fluids:

-40°C to +70°C
(-40°F to +158°F)

Typical Application:

Hydraulic system service
with petroleum and water-
based fluids, for general
industrial service.

MSHA Accepted

Hose Fitting Reference Page

C-O-C

'Z' Series

J-69-94

H425 High Pressure Hydraulic Hose

SAE 100R2 Type AT



B

Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths feet
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H42504 H42504-250R H42504-500R	6,4	0.25	1/4	15,1	0.59	19/32	344,8	5,000	1379,0	20,000	101,6	4.00	12,7	28	50 250 500
H42506 H42506-250R H42506-500R	9,5	0.38	3/8	19,1	0.75	3/4	275,8	4,000	1103,2	16,000	127,0	5.00	17,2	38	50 250 500
H42508 H42508-250R H42508-500R	12,7	0.50	1/2	22,2	0.88	7/8	241,3	3,500	965,3	14,000	177,8	7.00	20,4	45	50 250 500
H42510 H42510-250R	15,9	0.63	5/8	25,4	1.00	1	189,6	2,750	758,4	11,000	203,2	8.00	23,1	51	50 250
H42512 H42512-250R	19,1	0.75	3/4	29,4	1.16	1-5/32	155,1	2,250	620,6	9,000	241,3	9.50	29,9	66	50 250
H42516 H42516-250R	25,4	1.00	1	38,1	1.50	1-1/2	137,9	2,000	551,6	8,000	304,8	12.00	43,1	95	50 250
H42520 H42520-100	31,8	1.25	1-1/4	47,6	1.88	1-7/8	112,0	1,625	448,2	6,500	419,1	16.50	64,4	142	50 100
H42524 H42524-100	38,1	1.50	1-1/2	54,8	2.16	2-5/32	86,2	1,250	344,8	5,000	501,0	20.00	79,8	176	50 100
H42532	50,8	2.00	2	67,5	2.66	2-21/32	77,6	1,125	310,3	4,500	635,0	25.00	94,3	208	50

Inner Tube: Nitrile

Reinforcement:

2 Steel Braids

Cover: Neoprene

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

Typical Application: Most commonly used for high pressure lines on off road construction equipment, farm equipment and other high pressure applications.

¹See pages A-33-34 for applicable service pressures, required fire sleeves and qualified hose ends.

**MSHA Accepted
Marine Application
J1942/¹ - Hydraulic
(-4 thru -32) Fuel
(-4 through -20).¹
ABS¹**

Hose Fitting Reference

Page

C-O-C

'S' Series J-38
(except sizes -10, -24 & -32)

'U' Series J-39-57
(except sizes -24 & -32)

'Z' Series J-69-94
(sizes -4 thru -20)

430 'U' Series J-58-68
(sizes -12 thru -32)

Field Attachable

425 'N' Series K-27-29
(except size -10)

H290 WeatherSHIELD™ Hydraulic Hose

Meets and exceeds SAE 100R2AT Type S, EN853 2SN,
ISO 1436-1 Type 2SN Performance



Diamond Advantage

- Pressure
- Temperature
- Abrasion Resistance



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H29004 H29004-250R H29004-500R	6,4	0.25	1/4	15,1	0.59	19/32	448	6,500	1792	26,000	101,6	4.00	11,8	26	50 250 500
H29006 H29006-250R H29006-500R	9,5	0.38	3/8	19,1	0.75	3/4	400	5,800	1600	23,200	127,0	5.00	17,3	38	50 250 500
H29008 H29008-250R H29008-500R	12,7	0.50	1/2	22,2	0.88	7/8	345	5,000	1380	20,000	177,8	7.00	20,1	46	50 250 500
H29010 H29010-250R	15,9	0.63	5/8	25,4	1.00	1	276	4000	1104	16,000	203,2	8.00	24,5	54	50 250
H29012 H29012-250R	19,1	0.75	3/4	29,4	1.16	1-5/32	241	3,500	964	14,000	241,3	9.50	30,0	66	50 250
H29016 H29016-250R	25,4	1.00	1	38,1	1.50	1-1/2	207	3,000	828	12,000	304,8	12.00	45,9	101	50 250
H29020 H29020-150	31,8	1.25	1-1/4	48,8	1.92	1-7/8	172	2,500	688	10,000	419,1	16.50	70,0	154	50 150
H29024	38,1	1.50	1-1/2	54,6	2.15	2-5/32	138	2,000	552	8,000	508,0	20.00	76,4	168	50
H29032	50,8	2.00	2	63,8	2.51	2-1/2	110	1,600	440	6,400	635,0	25.00	100,9	222	50

Inner Tube:

Synthetic rubber tube

Reinforcement: 2 Steel Braids

Cover: WeatherSHIELD
Synthetic rubber cover

Temp. Range:

Petroleum-based
Hydraulic Fluids:
-40°C to +127°C
(-40°F to +260°F)

Water-based Hydraulic Fluids:
-40°C to +70°C
(-40°F to +158°F)

Typical Application: Hydraulic system service with petroleum and water-based fluids, for general industrial service.

Hose Fitting Reference

C-O-C

Z' Series

Page

J-69-94

MSHA Accepted

H290H WeatherBLAZE™

100R2, EN 853, Type 2SN



# Part Number	Hose I.D.			Hose O.D.			Working Press. (PSI)		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H290H04	6,4	0.25	1/4	15,1	0.59	19/32	399,9	5,800	1599,6	23,200	101,6	4.00	10,9	24	50
H290H06	9,5	0.38	3/8	19,1	0.75	3/4	331,0	4,800	1323,8	19,200	127,0	5.00	15,0	33	50
H290H08	12,7	0.50	1/2	22,2	0.88	7/8	275,8	4,000	1103,2	16,000	177,8	7.00	19,1	42	50
H290H10	15,9	0.63	5/8	25,4	1.00	1	250,3	3,630	1001,2	14,520	203,2	8.00	22,7	50	50
H290H12	19,1	0.75	3/4	29,4	1.16	1-5/32	215,1	3,120	860,5	12,480	241,3	9.50	28,6	63	50
H290H16	25,4	1.00	1	38,1	1.50	1-1/2	165,5	2,400	661,9	9,600	304,8	12.00	40,8	90	50
H290H20	31,8	1.25	1-1/4	48,8	1.92	1-23/25	157,0	2250	630,0	9000	419,1	16.50	2,39	1.60	50

Inner Tube: CPE

Reinforcement:
2 Steel braids

Cover: CPE black

Temp. Range: -40°C to +150°C (-40°F to +302°F).

Typical Application: High pressure hose for hydraulic fluid applications.

¹See pages A-33-34 for applicable service pressures, required fire sleeves and qualified hose ends.

Hose Fitting Reference

C-O-C

Z' Series

Page

J-69-94

MSHA Accepted

H430 High Pressure Spiral Hydraulic Hose

Meets and exceeds SAE 100R12, EN856 Type R12, DIN856/4SP Performance (sizes -8 thru -16)



Diamond Advantage

- Pressure
- Temperature
- Abrasion Resistance



B

Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H43006 H43006-100	9,5	0.38	3/8	20,1	0.79	53/64	448	6,500	1792	26,000	62,5	2.50	21,4	47	50 100
H43008 H43008-100 H43008-150	12,7	0.50	1/2	23,4	0.92	15/16	414	6,000	1656	24,000	90,0	3.50	26,8	59	50 100 150
H43010	15,9	0.63	5/8	28,2	1.11	1-7/64	414	6,000	1656	24,000	100,0	4.00	31,4	69	50
H43012 H43012-100 H43012-150	19,1	0.75	3/4	30,5	1.20	1-7/32	379	5,500	1516	22,000	120,0	4.75	41,8	92	50 100 150
H43016 H43016-100 H43016-150	25,4	1.00	1	37,6	1.48	1-33/64	352	5,100	1408	20,400	150,0	6.00	55,5	122	50 100 150
H43020 H43020-100 H43020-150	31,8	1.25	1-1/4	46,5	1.83	1-7/8	310	4,500	1240	18,000	210,0	8.25	74,5	164	50 100 150
H43024 H43024-100 H43024-150	38,1	1.50	1-1/2	55,0	2.18	2-1/8	276	4,000	1104	16,000	250,0	10.00	95,5	210	50 100 150
H43032 H43032-100	50,8	2.00	2	68,3	2.69	2-21/32	276	4,000	1104	16,000	320,0	12.50	127,7	281	50 100

Inner Tube:

Synthetic rubber tube

Reinforcement: 4 Spiral Steel Plies

Cover: WeatherSHIELD Synthetic rubber cover

Temp. Range:

-40°C to +127°C
(-40°F to +260°F)

Typical Application:

For very high pressure hydraulic lines subjected to pressure surges and flexing. Typical applications include construction, mining, farming, and high performance industrial equipment.

MSHA Accepted

**Marine Application
J1942/1 - Hydraulic only,
ABS**

Hose Fitting Reference

C-O-C

430 'U' Series
No Skive

Page

J-58-68

H430R RhinoHide II™ High Pressure Hydraulic Hose

SAE 100R12



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H430R06	9,5	0.38	3/8	20,1	0.79	53/64	275,8	4,000	1103,2	16,000	127,0	5.00	21,3	47	50
H430R08	12,7	0.50	1/2	23,4	0.92	15/16	275,8	4,000	1103,2	16,000	177,8	7.00	26,8	59	50
H430R10	15,9	0.63	5/8	28,2	1.11	1-7/64	275,8	4,000	1103,2	16,000	203,2	8.00	36,3	80	50
H430R12	19,1	0.75	3/4	30,5	1.20	1-7/32	275,8	4,000	1103,2	16,000	241,3	9.50	41,7	92	50
H430R16	25,4	1.00	1	37,6	1.48	1-33/64	275,8	4,000	1103,2	16,000	304,8	12.00	55,3	122	50
H430R20	31,8	1.25	1-1/4	46,5	1.83	1-7/8	206,9	3,000	827,6	12,000	419,1	16.50	74,4	164	50
H430R24	38,1	1.50	1-1/2	55,1	2.17	2-1/8	172,4	2,500	689,5	10,000	501,0	20.00	91,2	201	50
H430R32	50,8	2.00	2	68,3	2.69	2-21/32	172,4	2,500	689,5	10,000	635,0	25.00	133,4	294	50

Inner Tube: Nitrile

Reinforcement:
4 Spiral Steel Plies

Cover: UHMWPE

Temp. Range:

-40°C to +121°C
(-40°F to +250°F)

Typical Application:

High abrasion applications. Hydraulic system service with petroleum and water-base fluids, for general industrial service.

Hose Fitting Reference

C-O-C

430 'U' Series
No Skive

Page

J-58-68

H470 Very High Pressure Hydraulic Hose

SAE 100R13



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H47008	12,7	0.50	1/2	24,6	0.97	31/32	344,8	5,000	1379,0	20,000	177,8	7.00	29,5	65	50
H47012	19,1	0.75	3/4	31,8	1.26	1-1/4	344,8	5,000	1379,0	20,000	241,3	9.50	49,4	105	50
H47016	25,4	1.00	1	38,9	1.52	1-17/32	344,8	5,000	1379,0	20,000	304,8	12.00	64,4	132	50
H47020	31,8	1.25	1-1/4	50,0	1.96	1-31/32	344,8	5,000	1379,0	20,000	419,1	16.50	114,3	246	50
H47024	38,1	1.50	1-1/2	57,2	2.26	2-1/4	344,8	5,000	1379,0	20,000	501,0	20.00	147,4	316	50
H47032	50,8	2.00	2	71,4	2.80	2-13/16	344,8	5,000	1379,0	20,000	635,0	25.00	229,1	478	50

Inner Tube: Nitrile

Reinforcement: Multi-Spiral Steel (8,12,16=4 plies)
(20,24,32=6 plies)

Cover: Black Vinyl Nitrile

Temp. Range:

-40°C to +121°C
(-40°F to +250°F)

Typical Application:

For very high pressure hydraulic lines subjected to pressure surges and flexing. Typical applications include construction, mining, farming and high performance industrial equipment

MSHA Accepted

**Marine Application
J1942/1 (-12 thru -20)**

Hose Fitting Reference

C-O-C

470 'E' Series J-19-23
WeatherTIGHT
4SP Series (-12 & -16)* J-95-105
WeatherTIGHT
6SP Series (-20 thru -32)* J-95-105

*Black covered hose only

Page

H471 WeatherFORCE - FLEX 5000™ Hose

Very High Pressure Hydraulics
Meets or Exceeds 100R13 Performance



B
Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H47112	19.1	0.75	3/4	32.0	1.26	1-1/4	350	5,076	1,380	20,304	121	4.75	38,2	84	50
H47116	25.4	1.00	1	39.1	1.54	1-9/16	350	5,076	1,380	20,304	152	6.00	56,4	124	50
H47120	31.8	1.25	1-1/4	47.0	1.85	1-27/32	350	5,076	1,380	20,304	210	8.25	76,8	169	50
H47124	38.1	1.50	1-1/2	55.1	2.17	2-3/16	350	5,076	1,380	20,304	254	10.00	102,3	225	50
H47132	50.8	2.00	2	72.6	2.86	2-7/8	350	5076	1380	20304	318	12.50	184,5	406	50

Inner Tube:

Synthetic rubber tube

Reinforcement:

Multiple heavy spiral wire reinforcement

Cover: Synthetic rubber

Temp. Range:

-40°C to +127°C
(-40°F to +260°F)

Typical Application: High pressure hydraulic system service with petroleum and water-base fluids.

For information on additional sizes, please contact your local Eaton sales representative.

Hose Fitting Reference

C-O-C

WeatherTIGHT
4SP Series (-12 to -24) J-95-105

WeatherTIGHT
6SP Series (-32 only) J-95-105

H464 Very High Pressure Hydraulic Hose

EN856 Type 4SH



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H46412	19,1	0.75	3/4	32,5	1.27	1-9/32	420,0	6,090	1679,6	24,360	279,4	11.00	45,4	100	50
H46416	25,4	1.00	1	38,1	1.50	1-1/2	385,0	5,510	1519,7	22,040	339,9	13.38	62,6	138	50
H46420	31,8	1.25	1-1/4	42,2	1.79	1-25/32	350,0	5,075	1399,7	20,300	460,0	18.11	77,6	171	50
H46424	38,1	1.50	1-1/2	54,0	2.11	2-1/8	300,0	4,350	1199,7	17,400	560,1	22.05	99,8	220	50
H46432	50,8	2.00	2	68,3	2.68	2-11/16	250,0	3,625	999,8	14,500	700,0	27.5	139,7	308	50

Inner Tube: Nitrile

Reinforcement:

4 Spiral Steel Plies

Cover: Nitrile

Temp. Range:

-40°C to +100°C
(-40°F to +212°F)

Typical Application:

Perfect for hydraulic system service with petroleum and water-based fluids requiring premium pressure performance and durability.

This hose is well suited for injection mold and drill rig applications.

MSHA Accepted

Hose Fitting Reference

C-O-C

WeatherTIGHT
4SP Series
No Skive J-95-105

H485 Very High Pressure Hydraulic Hose

SAE 100R15



B

Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H48516 H48516-100	25,4	1.00	1	16,7	0.66	21/32	413,7	6,000	1654,8	24,000	304,8	12.00	81,2	179	50 100
H48520 H48520-100	31,8	1.25	1-1/4	49,2	1.95	1-15/16	413,7	6,000	1654,8	24,000	419,1	16.50	110,2	243	50 100
H48524 H48524-100	38,1	1.50	1-1/2	58,7	2.30	2-5/16	413,7	6,000	1654,8	24,000	501,0	20.00	143,8	317	50 100

Inner Tube: Nitrile

Reinforcement:
Multi-Spiral Steel
(-16 4 plies),
(-20, -24 6 plies)

Cover: Vinyl Nitrile

Temp. Range:
- 40°C to +121°C
(-40°F to +250°F)

Typical Application:
High-pressure hydraulics,
hydrostatic transmissions.
For more information on
specific fluid applications
and high temperature
ratings, see pages A-12 to
A14.

Hose Fitting Reference	Page
<i>C-O-C</i>	
WeatherTIGHT 4SP Series (-16 only)	J-95-105
WeatherTIGHT 6SP Series (-20 & -24)	J-95-105

H487 WeatherFROST™ Hose



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H48712	19,1	.750	3/4	33,0	1.29	1-9/32	420	6090	1680	24,360	280	11.00	49,1	108	50
H48716	25,5	1.00	1	39,9	1.57	1-9/16	420	6090	1680	24,360	340	13.50	61,8	136	50
H48720	31,8	1.25	1-1/4	49,4	1.94	1-15/16	420	6090	1680	24,360	420	16.50	108,6	239	50
H48724	38,1	1.50	1-1/2	57,3	2.25	2-1/4	420	6090	1680	24,360	510	20.00	145,0	319	50
H48732	51,0	2.00	2	71,7	2.81	2-7/8	350	5076	1400	20,304	630	25.00	NA	NA	50

Inner Tube:
Synthetic rubber inner tube

Reinforcement:
Multi-Spiral Steel
(-12 & -16 4 plies),
(-20 & -24 6 plies)

Cover: WeatherSHIELD™
abrasion resistant synthetic
rubber

Temp. Range:
-57°C to +100°C
(-70°F to +212°F)

Typical Application:
High pressure hydraulic
systems with petroleum
base fluids for low
temperature applications.

For information on additional sizes,
please contact your local Eaton
distributor.

Hose Fitting Reference	Page
<i>C-O-C</i>	
WeatherTIGHT 4SP Series (-12 & -16)	J-95-105
WeatherTIGHT 6SP Series (-20 & -24)	J-95-105

H421 WeatherJACK™

10,000 psi Jack Hose



B

Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H42104 H42104-250R	6,4	0.25	1/4	13,5	0.53	17/32	700,0	10,000	1400,0	20,000	50,8	2.00	10,0	22	50 250
H42106 H42106-250R	9,7	0.38	3/8	17,5	0.69	11/16	700,0	10,000	1400,0	20,000	63,5	2.50	13,2	29	50 250

Inner Tube:

Synthetic Rubber

Reinforcement: 2 Wire Braid

Cover: Synthetic Rubber

Temp. Range:

-40°C to +100°C
(-40°F to +212°F)

Typical Application:

Hydraulic jacking system with petroleum and water-base fluids.

Hose Fitting Reference

C-O-C

'Z' Series

Page

J-69-94

H335 Non-Conductive Hose

SAE 100R8, EN 855 Type R8



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H33503-250R	4,8	0.19	3/16	13,1	0.52	33/64	344,8	5,000	1379,0	20,000	38,1	1.50	3,6	8	250
H33504 H33504-250R H33504-500R	6,4	0.25	1/4	15,9	0.63	5/8	344,8	5,000	1379,0	20,000	50,8	2.00	5,4	12	50 250 500
H33506 H33506-250R	9,5	0.38	3/8	19,1	0.75	3/4	275,8	4,000	1103,2	16,000	63,5	2.50	6,8	15	50 250
H33508 H33508-250R	12,7	0.50	1/2	22,6	0.89	57/64	241,3	3,500	965,3	14,000	101,6	4.00	8,6	19	50 250
H33512 H33512-200R	19,1	0.75	3/4	29,0	1.14	1-9/64	155,1	2,250	620,6	9,000	165,1	6.50	11,8	26	50 200
H33516 H33516-200R	25,4	1.00	1	37,3	1.47	1-15/32	137,9	2,000	551,6	8,000	254,0	10.00	17,2	38	50 200

Inner Tube: Nylon

Reinforcement:
Multiple Fiber Braids

Cover: Polyurethane

Temp. Range:

Petroleum/Synthetic based Hydraulic Fluids: -40°C to +100°C (-40°F to +212°F)
Water-Based Hydraulic Fluids: -0°C to +70°C (-32°F to +158°F)
Fire Resistant Fluids: -40°C to +70°C (-40°F to +158°F)

Typical Application:

Compatible with most hydraulic fluids, designed for use where electric shock hazards exist. Max. leakage is 50 micro amperes per ft. at 37.5 KV per ft. for five minutes.

Hose Fitting Reference

C-O-C

336 'E' Series

Page

J-15-18

H336 Perforated Cover Hose

SAE 100R8, EN 855 Type R8



# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H33603 H33603-250R	4,8	0.19	3/16	13,1	0.52	33/64	344,8	5,000	1379,0	20,000	38,1	1.50	3,6	8	50 250
H33604 H33604-250R	6,4	0.25	1/4	15,9	0.63	5/8	344,8	5,000	1379,0	20,000	50,8	2.00	5,4	12	50 250
H33606 H33606-250R	9,5	0.38	3/8	19,1	0.75	3/4	275,8	4,000	1103,2	16,000	63,5	2.50	6,8	15	50 250
H33608 H33608-250R	12,7	0.50	1/2	22,6	0.89	57/64	241,3	3,500	965,3	14,000	101,6	4.00	8,6	19	50 250
H33612 H33612-200R	19,1	0.75	3/4	29,0	1.14	1-9/64	155,1	2,250	620,6	9,000	165,1	6.50	11,8	26	50 200
H33616 H33616-200R	25,4	1.00	1	37,3	1.47	1-15/32	137,9	2,000	551,6	8,000	254,0	10.00	17,2	38	50 200

Inner Tube: Nylon

Reinforcement:
Multiple Fiber Braids

Cover: Perforated Polyurethane

Temp. Range:

Petroleum/Synthetic based Hydraulic Fluids: -40°C to +100°C (-40°F to +212°F)
Water-Based Hydraulic Fluids: -0°C to +70°C (-32°F to +158°F)
Fire Resistant Fluids: -40°C to +70°C (-40°F to +158°F)

Typical Application:

General hydraulic applications, High Pressure Pneumatic systems. H336 is compatible with petroleum and synthetic based hydraulic fluids.

Hose Fitting Reference

C-O-C

336 'E' Series

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J-15-18

H435 Non-Conductive Hose

SAE 100R7



B

Hose - Hydraulic

# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H43504 H43504-500R	6,4	0.25	1/4	11,5	0.45	29/64	189,6	2,750	758,4	11,000	25,4	1.00	2,3	5	50 500
H43505 H43505-500R	7,9	0.31	5/16	14,3	0.56	9/16	172,4	2,500	689,5	10,000	38,1	1.50	3,2	7	50 500
H43506 H43506-250R	9,5	0.38	3/8	15,9	0.63	5/8	155,1	2,250	620,6	9,000	50,8	2.00	3,6	8	50 250
H43508 H43508-250R	12,7	0.50	1/2	20,6	0.81	13/16	137,9	2,000	551,6	8,000	63,5	2.50	5,4	12	50 250
H43512	19,1	0.75	3/4	27,0	1.06	1-1/16	86,2	1,250	344,8	5,000	241,3	9.50	8,6	19	50
H43516	25,4	1.00	1	34,9	1.38	1-3/8	69,0	1,000	275,8	4,000	304,8	12.00	11,3	25	50

Inner Tube: Nylon 11

Reinforcement:

2 Fiber Braids

Cover: Orange, Non-Conductive Polyurethane

Temp. Range:

-40°C to +93°C

(-40°F to +200°F)

Typical Application:

Compatible w/most hydraulic fluids, designed for use where electric shock hazards exist. Max. leakage is 50 Micro Amperes per ft. at 375 KV per ft. for five minutes.

Hose Fitting Reference

Page

C-O-C

'E' Series

J-2-8

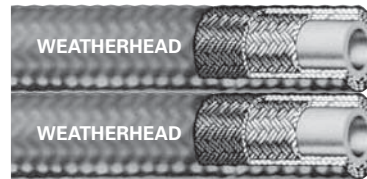
Field Attachable

436 'N' Series

K-30-31

H435 Twin Line Non-Conductive Hose

SAE 100R7, Multi-Tube



# Part Number	Hose #1 I.D.			Hose #2 I.D.			Working Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	mm	in	Kg/m	lbs/100ft	feet
H43544 H43544-250R	6,4	0.25	1/4	6,4	0.25	1/4	Same as H435		25,4	1.00	4,5	10	50 250
H43545 H43545-250R	6,4	0.25	1/4	7,9	0.31	5/16			38,1	1.50	5,4	12	50 250
H43546 H43546-250R	6,4	0.25	1/4	9,5	0.38	3/8			50,8	2.00	5,9	13	50 250
H43555 H43555-250R	7,9	0.31	5/16	7,9	0.31	5/16			38,1	1.50	6,4	14	50 250
H43556 H43556-250R	7,9	0.31	5/16	9,5	0.38	3/8			50,8	2.00	6,8	15	50 250
H43558 H43558-250R	7,9	0.31	5/16	12,7	0.50	1/2			63,5	2.50	8,6	19	50 250
H43566 H43566-250R	9,5	0.38	3/8	9,5	0.38	3/8			50,8	2.00	7,3	16	50 250
H43568 H43568-250R	9,5	0.38	3/8	12,7	0.50	1/2			63,5	2.50	9,1	20	50 250
H43588 H43588-250R	12,7	0.50	1/2	12,7	0.50	1/2			63,5	2.50	10,9	24	50 250

Inner Tube: Nylon 11

Reinforcement:

2 Fiber Braids

Cover: Non-Conductive Polyurethane

Temp. Range:

-40°C to +93°C

(-40°F to +200°F)

Typical Application:

Compatible w/most hydraulic fluids, designed for use where electric shock hazards exist. Max. leakage is 50 Micro Amperes per ft. at 375 KV per ft. for five minutes.

Hose Fitting Reference

Page

C-O-C

'E' Series

J-2-8

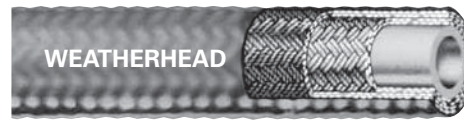
Field Attachable

436 'N' Series

K-30-31

H436 Perforated Cover Hose

SAE 100R7

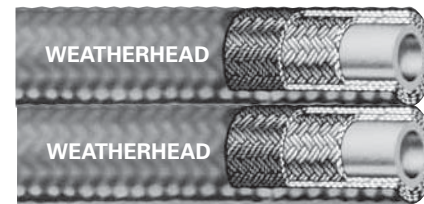


# Part Number	Hose I.D.			Hose O.D.			Working Pressure		Min. Burst Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	bar	psi	bar	psi	mm	in	Kg/m	lbs/100ft	
H43604 H43604-500R	6,4	0.25	1/4	11,5	0.45	29/64	189,6	2,750	758,4	11,000	25,4	1.00	2,3	5	50 500
H43605 H43605-500R	7,9	0.31	5/16	14,3	0.56	9/16	172,4	2,500	689,5	10,000	38,1	1.50	3,2	7	50 500
H43606 H43606-250R	9,5	0.38	3/8	15,9	0.63	5/8	155,1	2,250	620,6	9,000	50,8	2.00	3,6	8	50 250
H43608 H43608-250R	12,7	0.50	1/2	20,2	0.80	51/64	137,9	2,000	551,6	8,000	63,5	2.50	5,4	12	50 250
H43612	19,1	0.75	3/4	27,0	1.06	1-1/16	86,2	1,250	344,8	5,000	241,3	9.50	8,6	19	50
H43616	25,4	1.00	1	34,9	1.38	1-3/8	69,0	1,000	275,8	4,000	304,8	12.00	11,3	25	50

* See information below

H436 Twin Line Perforated Cover Hose

SAE 100R7, Multi-Tube



# Part Number	Hose #1 I.D.			Hose #2 I.D.			Working Pressure		Min. Bend Radius		Hose Weight		Avail. Lengths
	mm	in	fraction	mm	in	fraction	mm	in	mm	in	Kg/m	lbs/100ft	
H43644 H43644-250R	6,4	0.25	1/4	6,4	0.25	1/4	Same as H436		25,4	1.00	4,5	10	50 250
H43645 H43645-250R	6,4	0.25	1/4	7,9	0.31	5/16			38,1	1.50	5,4	12	50 250
H43646 H43646-250R	6,4	0.25	1/4	9,5	0.38	3/8			50,8	2.00	5,9	13	50 250
H43648 H43648-250R	6,4	0.25	1/4	12,7	0.50	1/2			63,5	2.50	7,7	17	50 250
H43655 H43655-250R	7,9	0.31	5/16	7,9	0.31	5/16			38,1	1.50	6,4	14	50 250
H43656 H43656-250R	7,9	0.31	5/16	9,5	0.38	3/8			50,8	2.00	6,8	15	50 250
H43658 H43658-250R	7,9	0.31	5/16	12,7	0.50	1/2			63,5	2.50	8,6	19	50 250
H43666 H43666-250R	9,5	0.38	3/8	9,5	0.38	3/8			50,8	2.00	7,3	16	50 250
H43668 H43668-250R	9,5	0.38	3/8	12,7	0.50	1/2			63,5	2.50	8,2	18	50 250
H43688 H43688-250R	12,7	0.50	1/2	12,7	0.50	1/2			63,5	2.50	10,9	24	50 250

Inner Tube: Nylon 11

Reinforcement: 2 Fiber Braids

Cover: Black, Polyurethane (Perforated)

Temp. Range:

-40°F to +200°F
(-40°C to +93°C)

Typical Application: In addition to its compatibility with most hydraulic fluids, the low effusion rate of this hose makes it ideally suited for CO₂ and nitrogen. Perforated cover permits breathing, eliminating condensation and blistering.

Hose Fitting Reference	Page
C-0-C	
'E' Series	J-2-8
Field Attachable	
436 'N' Series	K-30-31