

Approved Hose Families

- Mil-DTL-13531 Type II, Class A
- Mil-DTL-13444H Type I
- Mil-DTL-13444H Type III
- Mil-DTL-8788
- Mil-DTL-3992

DSCC QLP APPROVED
MIL-SPEC HYD HOSE



Applications

Mil-DTL-13531 Type II, Class A	For medium and high pressure hydraulic systems, operating pressures 2000(1") to 5000 PSI (3/16")
Mil-DTL-13444H Type I	Fuel & Oil line in military vehicles, low pressure 125 PSI (3/4") to 425 PSI (3/16")
Mil-DTL-13444H Type III	For medium and high pressure hydraulic systems, operating pressures 300 (1 1/8") to 1500 PSI (3/16")
Mil-DTL-8788	3000 PSI Constant pressure hydraulic hose for systems associated with military components and equipment
Mil-DTL-3992	Low pressure, 300 PSI, hose for flexible connection in air brake systems on military vehicles

Hose Specifications

<i>Hose Type</i>	<i>Approved Hose ID's</i>	<i>Temp Range</i>	<i>Construction</i>	<i>Cover</i>	<i>Tube</i>	<i>Crimp Fittings</i>
Mil-DTL-13531 Type II, Class A	3,4,5,6,8,10,12,14,16	-65-200 F	2 Wire	Black Neoprene	Nitrile Custom	UCF2- Skive
Mil-DTL-13444H Type I	3,4,5,6,8,10,12	-65-250 F	Single Fabric Braid	Black Neoprene	Nitrile Custom	UCF2- No Skive
Mil-DTL-13444H Type III	4,5,6,8,10,12,16,20	-55 to 300 F	1 Fabric & 1 wire	Black Impregnated	Nitrile Custom	UCF6- No Skive
Mil-DTL-8788	3,4,5,6,8,10,12,16	-65-160 F	2 Wire	Black Neoprene	Synthetic Rubber	Bulk Hose only
Mil-DTL-3992	3/8in, 1/2in	-60 to 200 F	2 Fabric Braids	Black Neoprene	Synthetic Rubber	Bulk Hose only

Fittings

Fittings are available for Mil-13531, Mil-13444 Type I, and for Mil-13444 Type III hoses.

- Note — The Defense Supply requires hose assemblers to be QPL (Qualified Providers List) Approved

Packaging

Bulk pack, coiled lengths total of 1250 Ft per cardboard box

Fittings & Crimp Specs

Mil-DTL-13531: Skived two piece fitting solution using UCF2 series of ferrules and UC stems

Mil-DTL-13444 Type I: Over the cover, non-skived two piece solution using UFC2 series of ferrules and UC stems

Mil-DTL-13444 Type III: Over the cover, non-skived two piece solution using UFC6 series of ferrules and UC stems

Mil-DTL-13531 Type II, Class A

Skiving required, full hose insertion and crimp

Hose Size	Ferrule		Stem		Skive	Crimp OD'
	PN	SAP#	PN	SAP#	Length	
3 /16	UCF2-03	20242268	UC-JCFX-0304	20242709	11/16	0.638
1/4	UCF2-04	20242276	UC-JCFX-0404	20242786	11/16	0.712
5 /16	UCF2-05	20242272	UC-JCFX-0506	20242765	3/4	0.752
3/8	UCF2-06	20242273	UC-JCFX-0606	20242787	7/8	0.862
1/2	UCF2-08	20242270	UC-JCFX-0808	20242785	1	1.02
5/8	UCF2-10	20242275	UC-JCFX-1010	20242774	1 1/8	1.122
3/4	UCF2-12	20242264	UC-JCFX-1212	20242783	1 1/4	1.275
7/8	UCF2-12	20242264	UC-JCFX-1416	20283395	1 1/4	1.355
1	UCF2-16	20242267	UC-JCFX-1616	20242784	1 1/2	1.614

Mil-DTL-13444 Type I

Non-skived hose assemblies, full hose insertion and crimp

Hose Size	Ferrule		Stem		Skive	Crimp OD'
	PN	SAP#	PN	SAP#	Length	
3/16	UCF2-03	20242268	UC-JCFX-0304	20242709	N/A	0.625
1/4	UCF2-04	20242276	UC-JCFX-0404	20242786	N/A	0.718
5/16	UCF2-05	20242272	UC-JCFX-0506	20242765	N/A	0.741
3/8	UCF2-06	20242273	UC-JCFX-0606	20242787	N/A	0.831
1/2	UCF2-08	20242270	UC-JCFX-0808	20242785	N/A	0.997
5/8	UCF2-10	20242275	UC-JCFX-1010	20242774	N/A	1.151
3/4	UCF2-12	20242264	UC-JCFX-1212	20242783	N/A	1.281

Mil-DTL-13444 Type III

Non-skived hose assemblies, full hose insertion and crimp

Hose Size	Ferrule		Stem		Skive	Crimp OD'
	PN	SAP#	PN	SAP#	Length	
3/16	UCF6-03	20288135	UC-JCFX-0304	20242709	N/A	0.567
1/4	UCF6-04	20242277	UC-JCFX-0404	20242786	N/A	0.695
5/16	UCF6-05	20242236	UC-JCFX-0506	20242765	N/A	0.791
13/32	UCF6-06	20242282	UC-JCFX-0606	20242787	N/A	0.777
1/2	UCF6-08	20242269	UC-JCFX-0808	20242785	N/A	0.923
5/8	UCF6-10	20283401	UC-JCFX-1010	20242774	N/A	1.097
7/8	UCF6-12	20242279	UC-JCFX-1416	20283395	N/A	1.350
1 1/8	UCF6-16	20242280	UC-NPM-1820	20283394	N/A	1.725

Key Value Propositions

The expansion of our military hoses allow our distributors to compete in this niche market segment, giving them more products to offer into government, military, and OEM support customers.

Mil-DTL-3992 Type I, Class 1

Meets or exceeds the performance requirements of MIL-DTL-3992



APPLICATION

Low Pressure hose for flexible connections in air brake systems on automotive vehicles

CONSTRUCTION

Inner Tube: Synthetic Rubber

Cover: Black Neoprene

Reinforcement: 2 Textile Braid

TEMPERATURE

-60 F to 200 F (-51 C to 93 C)



Descriptive and Product Number	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
	in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	lbs./ft.
M3992-B0112	3/8	9.53	0.75	19.1	200	1.38	3.5	88.9	900	6.2	0.18
M3992-B0116	1/2	12.7	0.88	22.2	200	1.38	4	101.6	900	6.2	0.21

Continental 

Mil-DTL-8788 / Hydraulic Hose

Meets or exceeds the performance requirements of MIL-DTL-8788



APPLICATION

High Pressure hydraulic systems requiring interoperability and compatibility with associated components and equipment

CONSTRUCTION

Inner Tube: Synthetic Rubber

Cover: Black Neoprene

Reinforcement: 2 braids of high tensile steel wire

TEMPERATURE

-65 F to 160 F (-54 C to 71 C)



Descriptive and Product	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
	in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	
M8788-4	0.219	5.56	0.625	15.88	3,000	20.68	3	76.2	64,000	441.26	0.27
M8788-5	0.281	7.14	0.703	17.86	3,000	20.68	3.38	85.85	56,000	386.1	0.32
M8788-6	0.344	8.74	0.766	19.46	3,000	20.68	5	127	56,000	386.1	0.37
M8788-8	0.438	11.13	0.859	21.82	3,000	20.68	5.75	146.05	56,000	386.1	0.44
M8788-10	0.563	14.3	1.031	26.19	3,000	20.68	6.5	165.1	48,000	330.95	0.56
M8788-12	0.688	17.48	1.219	30.96	3,000	20.68	7.75	196.85	48,000	330.95	0.76
M8788-16	0.875	22.23	1.5	38.1	3,000	20.68	9.63	244.6	40,000	275.79	1.21



Mil-DTL-13531 Type II, Class A

Meets or exceeds the performance requirements of Mil-DTL-13531 Type II Class A



APPLICATION

Medium and high pressure hydraulic systems.

CONSTRUCTION

Inner Tube: Synthetic Rubber

Cover: Black Neoprene

Reinforcement: 2 braids of high tensile steel wire

TEMPERATURE

-65 F to 200 F (-53.89 C to 93.33 C)

QUALIFICATIONS

QPL-13531 approved for Bulk Hose

QPL-13531 approved for permanent fittings (UC) on factory

Distributor made assemblies must seek DSCC approval



Descriptive and Product	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
	Number	in.	DIN. Dash Size	in.	mm	psi	MPa	in.	mm	psi	MPa
M13531-B3A	3/16	3	0.625	15.88	5,000	34.47	4	101.6	20,000	137.89	0.255
M13531-B4A	1/4	4	0.687	17.45	5,000	34.47	4	101.6	20,000	137.89	0.308
M13531-B5A	5/16	5	0.75	19.05	4,250	29.3	4.5	114.3	17,000	117.21	0.33
M13531-B6A	3/8	6	0.843	21.41	4,000	27.57	5	127	16,000	110.31	0.411
M13531-B8A	1/2	8	0.968	24.59	3,500	24.13	7	117.8	14,000	96.5	0.496
M13531-B10A	5/8	10	1.093	27.76	2,750	18.96	8.5	215.9	11,000	75.84	0.586
M13531-B12A	3/4	12	1.25	31.75	2,250	15.51	9.5	241.3	9,000	62.05	0.717
M13531-B14A	7/8	14	1.375	34.93	2,000	13.78	10.5	266.7	8,000	55.15	0.805
M13531-B16A	1	16	1.562	39.67	2,000	13.78	11	279.4	8,000	55.15	1.011

Mil-DTL-13444H Type I

Meets or exceeds the performance requirements of Mil-DTL-13444H Type I



APPLICATION

Fuel and oil lines in military vehicles and other military applications

CONSTRUCTION

Inner Tube: Synthetic Rubber

Cover: Synthetic Rubber

Reinforcement: Single fabric braid

TEMPERATURE

-65 F to 250 F (-53.89 C to 121.1 C)

QUALIFICATIONS

QPL-13444 Type 1 approved for bulk hose (3/16" - 3/4")



Descriptive and Product	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
	in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	lbs./ft.
Mil-H-13444-I - 3	3/16	3	0.437	11.1	425	2.9	2	50.8	1,700	11.7	0.07
Mil-H-13444-I - 4	1/4	4	0.5	12.7	300	2	2.25	57.15	1,250	8.6	0.09
Mil-H-13444-I - 5	5/16	5	0.562	14.27	275	1.9	2.75	69.85	1,100	7.6	0.1
Mil-H-13444-I - 6	3/8	6	0.625	15.87	250	1.7	3	76.2	1,000	6.9	0.11
Mil-H-13444-I - 8	1/2	8	0.781	19.84	200	1.4	3.75	95.25	750	5.2	0.17
Mil-H-13444-I - 10	5/8	10	0.968	25.6	175	1.2	4.75	120.65	700	4.8	0.22
Mil-H-13444-I - 12	3/4	12	1.093	27.77	125	0.9	5.5	139.7	500	3.4	0.26

Continental

Mil-DTL-13444H Type III

Meets or exceeds the performance requirements of Mil-DTL-13444H Type III



APPLICATION

For medium-pressure hydraulic oil and fuel lines. Used in military vehicles and other support equipment

CONSTRUCTION

Inner Tube: Synthetic Rubber

Cover: Black impregnated textile braid

Reinforcement: White textile braid and 1-wire steel braid

TEMPERATURE

-55 F to 300 F (-48.33 C to 148.89 C)



Descriptive and Product Number	Hose Size ID		Hose OD		Max. Working Pressure		Min. Bend Radius		Min. Burst Pressure		Weight
	in.	mm	in.	mm	psi	MPa	in.	mm	psi	MPa	lbs./ft.
Mil-H-13444-III - 4	3/16	4	0.491	12.47	1500	10.3	0.75	19.05	6,000	41.4	0.28
Mil-H-13444-III - 5	1/4	5	0.554	14.07	1500	10.3	1	25.4	6,000	41.4	0.28
Mil-H-13444-III - 6	5/16	6	0.616	15.65	1000	6.8	1.25	31.75	4,000	27.5	0.39
Mil-H-13444-III - 8	13/32	8	0.737	18.72	1000	6.8	1.75	44.45	4,000	27.5	0.47
Mil-H-13444-III - 10	1/2	10	0.831	21.1	875	6	2.25	31.75	3,500	24.1	0.47
Mil-H-13444-III - 12	5/8	12	0.956	24.28	750	5.1	2.75	69.85	3,000	20.7	0.32
Mil-H-13444-III - 16	7/8	16	1.206	30.63	375	2.6	3.5	88.9	1,500	10.3	0.44
Mil-H-13444-III - 20	1 1/8	20	1.487	37.76	300	2	4.54	114.3	1,250	8.6	0.5

Continental 

MIL-DTL-29210E STEAM



Product Specification

Application

Hose assembly for military applications (such as Navy shipyard use) in temporary services from docks or barges to ships. First Article-approved hose meeting the requirements of MIL-DTL-29210 rev. E. This specification covers metal-lined, wire-reinforced, rubber hose assemblies for conveyance of saturated steam.*

Revision E update (key changes):

- Ozone and steam tests as part of conformance testing are required for 1st Article in rev. E
- Part or identifying number (PIN) is much more specific
- The branding requirements have been corrected to brand as MIL-DTL-29210 instead of MIL-PRF-29210C

Construction Tube

- EPDM

Cover

- Black wrapped finish EPDM pin-pricked

Reinforcement

- 2 wire braids

Temperature Range

- 0 F / -18 C ~ 406 F / 208 C

Packaging

25' or 50' cut lengths

Branding

ContiTech (Quarter/Year Date Code) MIL-DTL-29210 250 PSIG (1724 KPA {Gauge}) steam 29210E

Coupling

End fittings and special stem design per MIL-DTL-29210E for use with stainless-steel metal liner.* Stainless-steel metal liner per MIL-DTL-29210E.

Non Stock / Sizes

3/4", 1", 1 1/4", 1 1/2", 2"

MIL-DTL-29210E STEAM #MAINIMAGE#

Order Codes: 539-670

ID (in)	ID (mm)	OD (in)	OD (mm)	Length (ft)	WP (PSI)	WP (MPa)	Weight (lbs/ft)	Weight (kg/m)	Part Number
3/4	19.10	1.315	33.40		250	1.72	0.61	0.910	20490435
1	25.40	1.61	40.90		250	1.72	0.82	1.220	20453479
1-1/2	38.10	2.12	53.90		250	1.72	1.22	1.820	20469264
2	50.80	2.71	68.80	25	250	1.72	1.80	2.680	20458670
				50	250	1.72	1.80	2.680	21017265