

# HOSE - HOSE FITTINGS

## MIL-DTL 6000D OIL AND COOLANT HOSE



Inside and out, MIL-DTL 6000D is designed to handle the effects of oil, alcohol, coolant, and water. The tube is oil resistant with a black cover reinforced with high strength mildew resistant yarns. It withstands extreme temperature conditions from -40°F to +250°F. Meets or exceeds U.S. military specs. Lightweight, flexible and easy-to-handle, making it the perfect hose for hard-to-get-to spots in tight engine compartments. Not recommended for fuel lines.

Part No.	Hose Dimensions		Burst Pressure (PSI)	Wt./ Ft. (Lb.)	Price Per Ft.
	I.D. (In.)	O.D. (In.)			
6000-4	1/4	5/8	1,000	.14	---
6000-5	5/16	11/16	1,000	.16	---
6000-6	3/8	3/4	1,000	.18	---
6000-8	1/2	7/8	1,000	.22	---
6000-10	5/8	1	1,000	.26	---
6000-12	3/4	1-1/8	1,000	.27	---
6000-14	7/8	1-1/4	1,000	.32	---
6000-16	1	1-3/8	1,000	.38	---
6000-20	1-1/4	1-3/4	1000	---	---
6000-24	1-1/2	2	1000	---	---
6000-28	1-3/4	2-1/8	1000	---	---
6000-32	2	2-3/4	1000	---	---

Sold in one foot increments. Max Length:10FT  
MIL-DTL-6000C was superseded by this MIL-DTL-6000D  
Note: This hose is not recommended for use as fuel lines.

## EATON 306 HOSE (MIL-H-5593)



A low-pressure hose for instrument air & vacuum lines. Consists of an inner tube of seamless synthetic rubber, reinforced with a single layer of cotton braid and a synthetic rubber cover. Used with slip-over hose fittings such as the AN840 series, or with Eaton 471 hose fittings when connecting to AN type fittings. Conforms to Specification MIL-H-5593. Specify hose I.D. when ordering.

Part No.	Hose Dimensions		Burst Pressure (PSI)	Wt./ Ft. (Lb.)	Price Per Ft.
	I.D. (In.)	O.D. (In.)			
306-2	.125	.344	1,000	.056	---
306-3	.188	.406	1,000	.056	---
306-4	.250	.469	1,000	.072	---
306-6	.375	.594	1,000	.096	---
306-8	.500	.750	750	.144	---
306-10	.625	.875	700	.168	---

## EATON 471 HOSE FITTING USED WITH EATON 306 HOSE



471-2D

Eaton 471 hose fittings consist of an AN818 nut, an externally threaded 37° nipple and an internally threaded hose socket. All components are anodized aluminum. Fittings conform to MS27404.

Part No.	Tube Size (In.)*	AN818 Nut Thread Size	Price Ea.
471-2D	1/8"	5/6-24	---
471-4D	1/4	7/16-20	---
471-6D	3/8	9/16-18	---
471-8D	1/2	3/4-16	---

\*Corresponds to tube O.D. of AN-type flared tube fittings. Not an Eaton dimension.

## EATON ASSEMBLY MANDRELS FOR AIRCRAFT HOSE ASSEMBLIES



For use with Eaton 491 fittings. These tools are recommended to avoid damage to the sealing surface and to properly support the inner tube.

Note: These are Eaton Factory Mandrels, which are highly recommended for best results.

Hose Size	#491 Fitting P/N	Mandrel P/N	Price	Hose Size	#491 Fitting P/N	Mandrel P/N	Price
3/16"	491-3	S-1051-3*	---	1/2"	491-8	S-1051-8	---
1/4"	491-4	S-1051-4*	---	5/8"	491-10	S-1051-10	---
5/16"	491-5	S-1051-5*	---	3/4"	491-12	S-1051-12	---
3/8"	491-6	S-1051-6*	---				

\*With Removable mandrel. Eaton Qty. Discount: 15% for 20 ft.; 20% for 50 ft.; 25% for 100 ft. or more (Per Item)

## SILICONE HOSE



Sold by the foot (not for fuel or oil)

ID	OD	Wt/Ft/Lbs	Part No.	Price
1/4"	0.45"	.064	05-00659	---
3/8"	0.67"	.144	05-00660	---
1/2"	0.80"	.175	05-06925	---
5/8"	0.95"	.220	05-00661	---
3/4"	1.07"	.276	05-00671	---

## EATON 303 HOSE



This standard hose is used in medium pressure a/c hydraulic fuel, oil and coolant systems. An inner tube of seamless synthetic rubber is reinforced with a synthetic-impregnated single-wire braid over a single cotton braid and an outer cover of synthetic-impregnated oil-resistant cotton braid. Operating temperature -65° to 250°F. Conforms to MILH-8794 (supersedes MIL-H-5511A). Used with Eaton 491 hose fittings.

Hose P/N*	For Tubing Size	Hose I.D.	Max. Oper. Pressure** (PSI)	Wt. per Ft. (Lb.)	Price Per Ft.
303-3	3/16	1/8	3,000	.120	---
303-4	1/4	3/16	3,000	.132	---
303-5	5/16	1/4	3,000	.156	---
303-6	3/8	5/16	2,000	.228	---
303-8	1/2	13/32	2,000	.264	---
303-10	5/8	1/2	1,750	.372	---
303-12	3/4	5/8	1,500	.456	---

\* Corresponds to dash no. of Eaton 491 hose fittings.

\*\* Safety factor of 4.

## EATON 491 HOSE FITTINGS USED WITH EATON 303 HOSE



Eaton 491 hose fittings consist of an AN818 style nut, an externally threaded 37° nipple and an internally threaded hose socket. Fittings of sizes 3 through 6 have nuts and nipples of cadmium plated steel. Nuts and nipples for size 8 and larger are of anodized aluminum. Fittings conform to MS24587.

Part No.	Tube Size (In.)*	AN818 Nut Thread Size**	Price Each
491-3	3/16	3/8-24	---
491-4	1/4	7/16-20	---
491-5	5/16	1/2-20	---
491-6	3/8	9/16-18	---
491-8D	1/2	3/4-16	---
491-10D	5/8	1-1/16-12	---
491-12D	3/4	1-1/16-12	---

\* Corresponds to dash no. of Eaton 816 hose fittings.

\*\* Safety factor of 4.

## EATON 666 HOSE



Eaton 666 medium pressure Teflon hose is widely used in aircraft applications handling fuel, oils, and other fluids. It is unaffected by all fuels, oils, alcohols, coolants, or solvents commonly use in aircraft. Construction of Eaton 666 hose is of spiral extruded Teflon resin for the inner tube with a reinforcement and outer cover of Type 300 Series stainless steel wire braid. The result is a lightweight hose able to withstand prolonged flexing and vibration under all service conditions. Eaton 666 hose is also use in hydraulic and pneumatic applications at pressures up to 1500 psi.

Hose Part No.	Hose I.D. (inches)	Hose O.D. (inches)	Max. Oper. Pressure	Wt. Per Ft. (lbs.)	Price Per Ft.
666-4	.188	.312	1500	.08	---
666-5	.250	.375	1500	.09	---
666-6	.313	.466	1500	.11	---
666-8	.406	.562	1500	.14	---
666-10	.500	.656	1500	.19	---
666-12	.625	.789	1000	.24	---

## REUSABLE 37° FITTINGS FOR #666 HOSE



Use with Hose Size	Part No.	Price ea.	Use with Hose Size	Part No.	Price ea.
666-4	05-01320	---	666-8	05-01323	---
666-5	05-01321	---	666-10	05-01324	---
666-6	05-01322	---	666-12	05-01325	---



## STRAIGHT CRIMP FLARELESS FITTINGS FOR #666 HOSE

Part Number	Eaton Hose Size	Price ea.	Part Number	Eaton Hose Size	Price ea.
AE21502-E	666-4	---	AE21502-H	666-8	---
AE21502-F	666-5	---	AE21502-J	666-10	---
AE21502-G	666-6	---	AE21502-K	666-12	---

Crimping tool and sleeve required for assembly.

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