

# 4113 Permanent



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**4113 Permanent Fitting aviation fueling hose recommended for all types of riser deck, reel, and hydrant hose applications.**

- Used for commercial and private aircraft
- Resistant to jet fuel and higher aromatic aviation gasolines
- Compatible with use on hydrant service
- Meets EI 1529, 7th Edition, 2014 and European Standard EN ISO 1825 (2011), Type C, Grade 2, NPFA 407
- Operating temperature -22 °F to +149 °F (-30 °C to +65 °C)
- Recommended for all types of riser deck, reel, and hydrant hose applications
- All aviation hose assemblies are 100% hydrostatic tested to 600 PSI and inspected for electrical continuity
- Every hose receives a unique serial number and test certificate



AVIATION FUELING HOSES

## Specifying Information

MODEL NO.	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
<b>1" HOSES</b>		
CP160024HABA	1" x 2' HEW 4113 MXM NPT BR NR	1.24 (0.6)
CP160180HABA	1" x 15' HEW 4113 MXM NPT BR NR	10.0 (4.5)
CP160360HABA	1" x 30' HEW 4113 MXM NPT BR NR	20.0 (9.1)
CP160420HABA	1" x 35' HEW 4113 MXM NPT BR NR	23.0 (10.5)
CP160472HABA	1" x 39' 4" HEW 4113 MXM NPT BR NR	25.0 (11.3)
CP160480HABA	1" x 40' HEW 4113 MXM NPT BR NR	26.0 (11.8)
CP160588HABA	1" x 49' HEW 4113 MXM NPT BR NR	30.4 (13.8)
CP160600HABA	1" x 50' HEW 4113 MXM NPT BR NR	32.0 (14.5)
CP160720HABA	1" x 60' HEW 4113 MXM NPT BR NR	38.0 (17.3)
CP160792HABA	1" x 66' HEW 4113 MXM NPT BR NR	42.0 (19.1)
CP160900HABA	1" x 75' HEW 4113 MXM NPT BR NR	48.0 (21.8)
CP160960HABA	1" x 80' HEW 4113 MXM NPT BR NR	51.0 (23.1)
CP161080HABA	1" x 90' HEW 4113 MXM NPT BR NR	57.0 (25.9)
CP161200HABA	1" x 100' HEW 4113 MXM NPT BR NR	63.0 (28.6)
CP161380HABA	1" x 115' HEW 4113 MXM NPT BR NR	71.3 (32.4)
CP161560HABA	1" x 130' HEW 4113 MXM NPT BR NR	80.6 (36.6)
<b>1 1/4" HOSES</b>		
CP200600HABA	1 1/4" x 50' HEW 4113 MXM NPT BR NR	42.0 (19.1)
CP200660HABA	1 1/4" x 55' HEW 4113 MXM NPT BR NR	45.0 (20.1)
CP200792HABA	1 1/4" x 66' HEW 4113 MXM NPT BR NR	54.0 (24.5)
CP200840HBBA	1 1/4" x 70' HEW 4113 MXF NPT BR NR	57.0 (25.9)
CP200900HABA	1 1/4" x 75' HEW 4113 MXM NPT BR NR	61.0 (27.8)
CP201176HABA	1 1/4" x 98' HEW 4113 MXM NPT BR NR	77.4 (35.2)
CP201200HBBA	1 1/4" x 100' HEW 4113 MXF NPT BR NR	81.0 (36.8)
CP201200HABA	1 1/4" x 100' HEW 4113 MXM NPT BR NR	81.0 (36.8)
<b>1 1/2" HOSES</b>		
CP240024HABA	1 1/2" x 2' HEW 4113 MXM NPT BR NR	1.7 (0.8)
CP240108HABA	1 1/2" x 9' HEW 4113 MXM NPT BR NR	11.0 (5.0)
CP240120HABA	1 1/2" x 10' HEW 4113 MXM NPT BR NR	12.0 (5.5)
CP240600HABA	1 1/2" x 50' HEW 4113 MXM NPT BR NR	51.0 (23.2)
CP240720HABA	1 1/2" x 60' HEW 4113 MXM NPT BR NR	61.0 (27.8)
CP240780HBBA	1 1/2" x 65' HEW 4113 MXF NPT BR NR	66.0 (30.0)
CP240792HABA	1 1/2" x 66' HEW 4113 MXM NPT BR NR	67.0 (30.5)
CP240840HABA	1 1/2" x 70' HEW 4113 MXM NPT BR NR	71.0 (32.3)
CP240900HABA	1 1/2" x 75' HEW 4113 MXM NPT BR NR	76.0 (34.5)
CP241020HABA	1 1/2" x 85' HEW 4113 MXM NPT BR NR	85.0 (38.6)
CP241200HABA	1 1/2" x 100' HEW 4113 MXM NPT BR NR	100.0 (45.5)
CP241200HBBA	1 1/2" x 100' HEW 4113 MXF NPT BR NR	100.0 (45.5)

MODEL NO.	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
CP240420HABA	1 1/2" x 35' HEW 4113 MXM NPT BR NR	36.0 (16.4)
CP240684HABA	1 1/2" x 57' HEW 4113 MXM NPT BR NR	49.0 (22.3)
CP240780HABA	1 1/2" x 65' HEW 4113 MXM NPT BR NR	66.0 (30.0)
CP241368HABA	1 1/2" x 114' HEW 4113 MXM NPT BR NR	98.0 (44.5)
CP241800HABA	1 1/2" x 150' HEW 4113 MXM NPT BR NR	129.0 (58.6)
<b>2" HOSES</b>		
CP320120HABA	2" x 10' HEW 4113 MXM NPT BR NR	16.0 (7.3)
CP320134HABA	2" x 11.17' HEW 4113 MXM NPT BR NR	13.4 (6.1)
CP320144HABA	2" x 12' HEW 4113 MXM NPT BR NR	19.0 (8.6)
CP320180HABA	2" x 15' HEW 4113 MXM NPT BR NR	23.0 (10.5)
CP320197HABA	2" x 16' 5" HEW 4113 MXM NPT BR NR	24.0 (10.9)
CP320216HABA	2" x 18' HEW 4113 MXM NPT BR NR	26.0 (11.8)
CP320240HABA	2" x 20' HEW 4113 MXM NPT BR NR	29.0 (13.2)
CP320420HABA	2" x 35' HEW 4113 MXM NPT BR NR	49.0 (22.3)
CP320480HABA	2" x 40' HEW 4113 MXM NPT BR NR	55.0 (25.0)
CP320564HABA	2" x 47' HEW 4113 MXM NPT BR NR	56.4 (25.6)
CP320600HABA	2" x 50' HEW 4113 MXM NPT BR NR	68.0 (30.9)
CP320600HBBA	2" x 50' HEW 4113 MXF NPT BR NR	68.0 (30.9)
CP320684HABA	2" x 57' HEW 4113 MXM NPT BR NR	68.4 (31.1)
CP320720HABA	2" x 60' HEW 4113 MXM NPT BR NR	81.0 (36.8)
CP320792HABA	2" x 66' HEW 4113 MXM NPT BR NR	89.0 (40.5)
CP320900HABA	2" x 75' HEW 4113 MXM NPT BR NR	101.0 (45.9)
<b>2 1/2" HOSES</b>		
CP400096HABA	2 1/2" x 8' HEW 4113 MXM NPT BR NR	19.0 (8.6)
CP400108HABA	2 1/2" x 9' HEW 4113 MXM NPT BR NR	20.0 (9.1)
CP400120HBBA	2 1/2" x 10' HEW 4113 MXF NPT BR NR	22.0 (10.0)
CP400120HABA	2 1/2" x 10' HEW 4113 MXM NPT BR NR	22.0 (10.0)
CP400144HABA	2 1/2" x 12' HEW 4113 MXM NPT BR NR	25.0 (11.4)
CP400156HABA	2 1/2" x 13' HEW 4113 MXM NPT BR NR	27.0 (12.3)
CP400192HABA	2 1/2" x 16' HEW 4113 MXM NPT BR NR	32.0 (14.5)
CP400197HABA	2 1/2" x 16' 5" HEW 4113 MXM NPT BR NR	33.0 (15.0)
CP400420HABA	2 1/2" x 35' HEW 4113 MXM NPT BR NR	64.0 (29.1)
CP400480HABA	2 1/2" x 40' HEW 4113 MXM NPT BR NR	73.0 (33.2)
CP400600HBBA	2 1/2" x 50' HEW 4113 MXF NPT BR NR	90.0 (40.9)
CP400600HABA	2 1/2" x 50' HEW 4113 MXM NPT BR NR	90.0 (40.9)
CP400660HABA	2 1/2" x 55' HEW 4113 MXM NPT BR NR	98.0 (44.5)
CP400720HABA	2 1/2" x 60' HEW 4113 MXM NPT BR NR	106.0 (48.2)
CP400084HABA	2 1/2" x 7' HEW 4113 MXM NPT BR NR	17.0 (7.7)
CP400118HABA	2 1/2" x 9' 3" HEW 4113 MXM NPT BR NR	20.0 (9.1)



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov



# 4113 Permanent

**4113 Permanent Fitting aviation fueling hose recommended for all types of riser deck, reel, and hydrant hose applications.**

MODEL NO.	DESCRIPTION	SHIPPING WEIGHT LBS (KG)
CP400132HABA	2 1/2" x 11' HEW 4113 MXM NPT BR NR	34.0 (15.5)
CP400180HABA	2 1/2" x 15' HEW 4113 MXM NPT BR NR	30.0 (13.6)
CP400240HABA	2 1/2" x 20' HEW 4113 MXM NPT BR NR	39.0 (17.7)
CP400684HABA	2 1/2" x 57' HEW 4113 MXM NPT BR NR	100.0 (45.5)
CP401200HBBA	2 1/2" x 100' HEW 4113 MXF NPT BR NR	174.0 (79.1)
<b>3" HOSES</b>		
CP480096HABA	3" x 8' HEW 4113 MXM NPT BR NR	28.0 (12.7)
CP480108HABA	3" x 9' HEW 4113 MXM NPT BR NR	31.0 (14.1)
CP480120HABA	3" x 10' HEW 4113 MXM NPT BR NR	34.0 (15.5)
CP480132HABA	3" x 11' HEW 4113 MXM NPT BR NR	36.0 (16.4)
CP480144HABA	3" x 12' HEW 4113 MXM NPT BR NR	39.0 (17.7)
CP480168HABA	3" x 14' HEW 4113 MXM NPT BR NR	44.0 (20.0)
CP480180HABA	3" x 15' HEW 4113 MXM NPT BR NR	46.0 (20.9)
CP480240HABA	3" x 20' HEW 4113 MXM NPT BR NR	59.0 (26.8)
CP480360HBBA	3" x 30' HEW 4113 MXF NPT BR NR	85.0 (38.6)
CP480600HBBA	3" x 50 FT HEW 4113 MXF NPT BR NR	136.0 (61.8)
CP480600HABA	3" x 50' HEW 4113 MXM NPT BR NR	136.0 (61.8)
CP480720HABA	3" x 60' HEW 4113 MXM NPT BR NR	162.0 (73.6)

## Construction

Tube	Black nitrile synthetic rubber
Cover	Black neoprene static dissipating/static conductive synthetic rubber (wrapped finish)
Reinforcement	Spiral-plied (4) synthetic fabric and one nylon breaker
Couplings	Permanent brass internally expanded fittings - male and female NPT (swivel nut) Reusable 4-bolt aluminum clamp fittings - male and female, NPT and BSP threads - all females have swivel nuts - available with brass, tin plated brass, and stainless inserts

## Available in these Sizes

Size	ID		NOM OD		MAX WP		WEIGHT	
	MM	IN	MM	PSI	MPA	LB/FT	KG/M	
3/4"	19	1.25	31.8	300	2.07	0.50	0.75	
1"	25	1.50	38.0	300	2.07	0.62	0.93	
1 1/4"	32	1.78	45.2	300	2.07	0.79	1.18	
1 1/2"	38	2.06	52.3	300	2.07	0.86	1.28	
2"	50	2.57	65.3	300	2.07	1.20	1.79	
2 1/2"	63	3.20	81.2	300	2.07	1.69	2.52	
3"	75	3.70	94.0	300	2.07	2.33	3.47	
4"	102	4.94	125.0	300	2.07	3.30	4.92	

## Couplings

<b>Permanent Brass</b>	Internally expanded fittings (standard for 3/4" and 3" ID) - male NPT and female NPS (swivel nut)
<b>Crimped on Stainless</b>	Male NPT (zinc-plated ferrules) standard for 4" ID hose assemblies. Internally expanded brass male NPT and NPS are also available.
<b>Reusable 4-Bolt</b>	Aluminum clamp fittings - male and female, NPT and BSP threads - all females have swivel nuts - available with brass, tin-plated brass and stainless inserts.

## Protective Coils

9746	2" Banding Coil, White
9744	3" Banding Coil, White
9774	4" Banding Coil, White

## Order Guide (Ex. CP320600HABA)

### AVIATION HOSE SIZE - CPSS

3/4" = CP12	2" = CP32
1" = CP16	2 1/2" = CP40
1 1/4" = CP20	3" = CP48
1 1/2" = CP24	4" = CP64

### HOSE LENGTH (IN INCHES) - LLLL

0600 = 50 feet 0 inches
0606 = 50 feet 6 inches

### AVIATION HOSE - H, C OR J

H = 4113 Aviation Hose
C = 4113CT Cold Temp
J = 5500 JacRiser Hose

### NOTE:

If special, the next two digits will be used sequentially first using numbers (0-9) then using Alpha (A-Z). Special fittings or special materials will be described in the fab/shipping instructions section of the factory order. See separate assembly drawing for each special assembly number.

### FITTING STYLE - S

A = Male x Male NPT Not Reusable
B = Male x Female NPT not Reusable
C = Female x Female NPT Not Reusable
D = Male x Male NPT Reusable
E = Male x Female NPT Reusable
F = Female x Female NPT Reusable
J = Male x Male BSP Reusable
K = Male x Female BSP Reusable
L = Female x Female BSP Reusable
S = Special (See Note 1)

### FITTING BRAND - F

A = Internal Expansion Permanent (stainless steel only)	
B = Dixon/UMI Internal Expansion (Permanent (Brass Insert))	
D = Dixon Swaged	
E = Dixon Reusable	
F = Elaflex Resuable	
G = Roman Seliger Reusable	
<b>INSERT MATERIAL - M</b>	
A = Brass	
B = Stainless Steel	
D = Tin-Plated Brass	
F = Carbon Steel	

### OVERALL LENGTH - O

For all sizes except CP64, if "0" is present, LLLL = OAL  
For CP64 only, if blank, LLLL = OAL  
For CP64 only, if "C" present, LLLL = Cut Length



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