

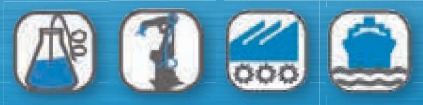


# Coiled

## Air Hose and Fittings

Fast-Stor®

NoMar® Fast-Stor®



A	Hose
B	Tubing
C	Coiled Air Hose & Fittings
D	Transportation
E	Fittings
F	Tooling, Equipment & Accessories
G	General Technical

# Table of Contents

## Hose & Tubing

Introduction.....	C-4
Fast-Stor® Air Hose .....	C-6
NoMar® Fast-Stor® Urethane Coiled Assemblies, AUFS .....	C-8
NoMar® Fast-Stor® High Durometer Urethane Coiled Assemblies, AHUFS .....	C-10


## Fittings



Fast-Stor® Fittings .....	C-7
NoMar® Fast-Stor® Fittings .....	C-11


## Technical

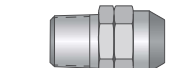
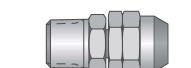
Size Selection Procedure .....	C-5
--------------------------------	-----

# Coiled Air Hose Visual Index

Fast-Stor® Coiled Air Hose Assembly	Air Hose Assembly	
		
C-6		

Fast-Stor® Fittings & Replacement Parts	MC	Male Connector	ML	Live Male Pipe Swivel
				
C-7			C-7	

NoMar® Fast-Stor® Assemblies & Coils	AUFS	Assemblies
		
C-8		

NoMar® Fast-Stor® Fittings	MCB	Male Pipe Rigid	MLB	Male Pipe Swivel
				
C-11			C-11	

AHUFS Coils	AHUFS	Assemblies
		
C-10		

A	Hose
B	Tubing
C	Coiled Air Hose & Fittings
D	Transportation
E	Fittings
F	Tooling, Equipment & Accessories
G	General Technical

General Technical	Tooling, Equipment & Accessories	Fittings	Transportation	Coiled Air Hose & Fittings	B Tubing	A Hose
-------------------	----------------------------------	----------	----------------	----------------------------	----------	--------

# Air Hose

Every hydraulic, pneumatic and lubrication system requires some form of tube line fabrication and fitting installation for completion. Proper fabrication and installation are essential for the overall efficiency, leak free performance, and general appearance of any system.

Start by planning ahead. After sizing the tube lines and selecting the appropriate style of fitting, consider the following in the design of your system:

- Accessibility of joints
- Proper routing of lines
- Adequate tube line supports
- Available fabricating tools

## Routing of Lines

Routing of lines is probably the most difficult, yet most significant, of these system design considerations. Proper routing involves getting a connecting line from one point to another through the most logical path.

Always try to leave fitting joints as accessible as possible. Hard to reach joints are hard to assemble and tighten properly. Inaccessible joints are also more difficult and time consuming to service.

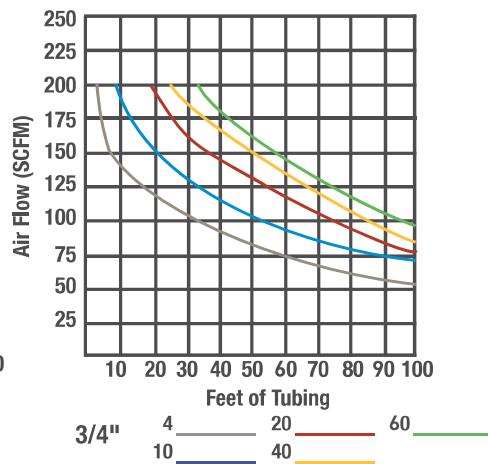
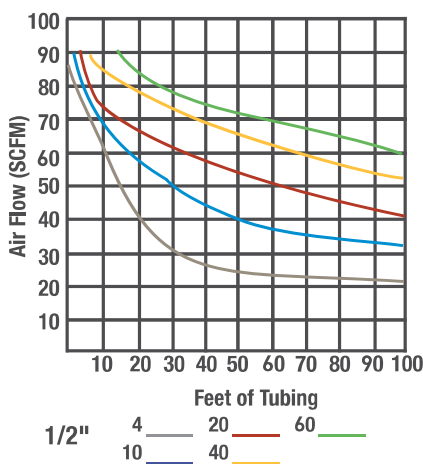
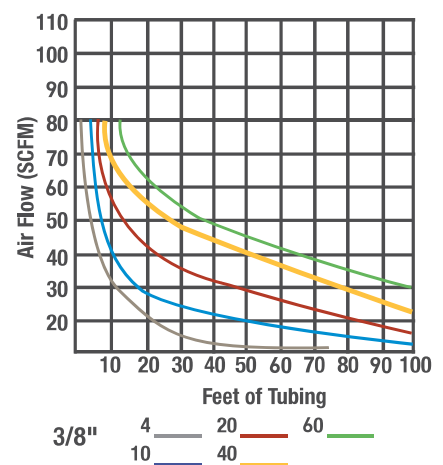
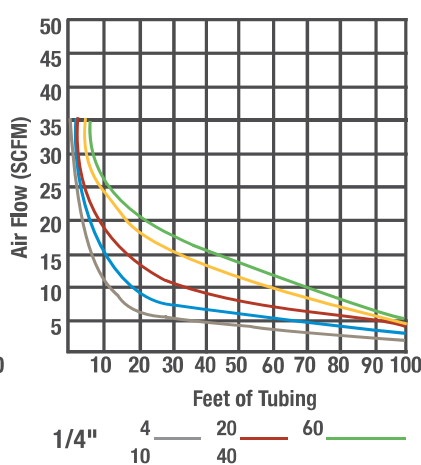
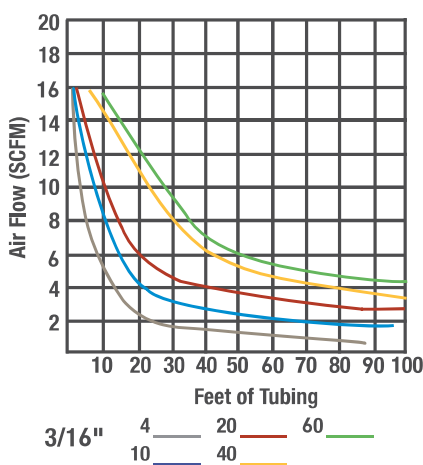


# Size Selection Procedure

Proper size selection is extremely important in choosing any air hose in order to prevent “starvation” of the air tool and to ensure maximum torque and tool speed. Starved tools don’t produce!

Steps in size selection:

1. Determine air flow rate and pressure required by following air-tool manufacturers recommendations.
2. Refer to “Air Flow Characteristics” graphs, shown below. Find air flow requirement in standard cubic feet per minute (SCFM) on vertical line to left of graph. Now follow horizontal line on same graph to determine total extended length of hose required. Follow vertical line above hose length to intersection with the horizontal air flow SCFM line.
3. Note pressure drop above curve nearest to intersection of SCFM and hose length lines. Pressure drop, subtracted from line pressure, equals “available pressure” at the selected SCFM flow rate and hose length.
4. If “available pressure” is below the tool manufacturers’ recommendations, refer to chart for successively larger hose sizes until an acceptable “available pressure” is found. Choose this size Fast-Stor® Air Hose for your application.
5. Refer to “working pressure vs. temperature” chart (pg. B-11) to be sure your application falls within the working range of Fast-Stor® Air Hose.



Actual working pressure charts are located in the tubing section on the specific product page.



# Fast-Stor® Air Hose



## Features

- Manufactured from tough, abrasion-resistant nylon
- Excellent memory characteristics over a wide temperature range
- Long service life in rugged applications
- Desirable Safety Yellow color per U.S. Government OSHA directives

## Applications/Markets



- Blow Guns
- Construction
- Mfg. Air Drops
- Machine Tool Lubrication
- Water Hose

## Fast-Stor® Assemblies

### Popular Stock Assemblies

Assembly Part Number	Hose I.D.		Total Length		Working Length		Nominal Compact Length		Coil I.D.		Maximum Working Pressure 73°F/23°C		Minimum Burst at 73°F/23°C		End Fittings
#															
	inch	mm	ft.	mtr.	ft.	mtr.	inch	mm	inch	mm	psi	MPa	psi	MPa	
A0412-MC4-ML4*	1/4	6	12	3.7	9	2.7	4.3	109	3	76	225	1.55	680	4.69	1/4" NPT
A0425-MC4-ML4*	1/4	6	25	7.6	18	5.5	8.6	218	3	76	225	1.55	680	4.69	1/4" NPT
A0450-MC4-ML4	1/4	6	50	15.2	38	11.6	18.1	460	3	76	225	1.55	680	4.69	1/4" NPT
A0612-MC6-ML6*	3/8	10	12	3.7	9	2.7	4.3	109	4.5	114	225	1.55	680	4.69	3/8" NPT
A0625-MC6-ML6	3/8	10	25	7.6	18	5.5	8.5	216	4.5	114	225	1.55	680	4.69	3/8" NPT
A0650-MC6-ML6	3/8	10	50	15.2	38	11.6	17.9	455	4.5	114	225	1.55	680	4.69	3/8" NPT
A0812-MC8-ML8	1/2	13	12	3.7	9	2.7	4.3	109	6.5	165	225	1.55	680	4.69	1/2" NPT
A0825-MC8-ML8	1/2	13	25	7.6	18	5.5	8.5	216	6.5	165	225	1.55	680	4.69	1/2" NPT
A0850-MC8-ML8	1/2	13	50	15.2	38	11.6	16.8	427	6.5	165	225	1.55	680	4.69	1/2" NPT

## Construction

Tube: Yellow Nylon  
Spring Guard: Steel  
Fittings: Brass

## Notes

\*Retail packaging available - Add "R" suffix when ordering

## Operating Parameters

Service temperature range:  
-40°F (-40°C) to +200°F (93°C)  
Maximum working pressure based on safety factor of 3:1 over burst



### WARNING

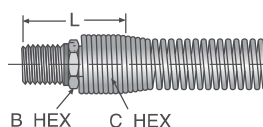
This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# Fast-Stor® Fittings

Fittings for Fast-Stor® hose are constructed from heavy duty brass with built in insert-supports. Fitting bodies are SAE Standard sizes. Hose entry length into the fittings is the longest in the industry due to Parflex's SAE body design and size standardization, assuring a strong grip on the hose.

All fitting part numbers include body, nut, ferrule and spring guard.

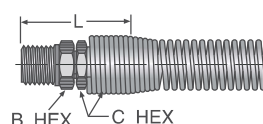
## MC – Male Connector



Part Number	Thread Size	Hose I.D.		L		B Hex		C Hex	
#									
		inch	mm	inch	mm	inch	mm	inch	mm
MC-04-2	1/8	1/4	6	1-3/8	35	9/16	14	9/16	14
MC-04-4	1/4	1/4	6	1-9/16	40	9/16	14	9/16	14
MC-06-6	3/8	3/8	10	1-13/16	46	11/16	17	13/16	21
MC-08-6	3/8	1/2	13	2-1/8	54	7/8	22	15/16	24
MC-08-8	1/2	1/2	13	2-1/8	54	7/8	22	15/16	24
*MC-12-12	3/4	3/4	19	2-1/4	57	1-1/4	32	1-3/8	35

\*No spring guard required.

## ML – Live Male Pipe Swivel



Part Number	Thread Size	Hose I.D.		L		B Hex		C Hex	
#									
		inch	mm	inch	mm	inch	mm	inch	mm
ML-04-4	1/4	1/4	6	1-9/16	40	9/16	14	9/16	14
ML-06-6	3/8	3/8	10	1-7/8	47	3/4	19	13/16	21
ML-08-8	1/2	1/2	13	2-3/8	60	5/8	22	15/16	24



### WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# Parflex NoMar® Fast-Stor® Assemblies AUFS



## Features

- Manufactured from durable, abrasion-resistant Polyurethane
- Excellent memory characteristics over a wide temperature range

## Applications/Markets



- Auto Repair
- Blow Guns
- Construction

- Mfg. Air Drops
- Marine
- Water Hose



- Carpentry
- Furniture Manufacturing

## Urethane Fast-Stor® Assemblies

Includes live male end and rigid male end

Assembly Part Number	Hose O.D.		Hose I.D.		Working Length		Nominal Compact Length		Nominal Coil I.D.		Maximum Working Pressure 73°F/23°C		Minimum Burst at 73°F/23°C		End Fittings
#															
	inch	mm	ft.	mtr.	ft.	mtr.	inch	mm	inch	mm	psi	MPa	psi	MPa	
AUFS-42-TBLU-010	1/4	6	1/8	3	10	3	8.3	210	3/4	19	175	1.21	525	3.62	1/4" NPT
AUFS-42-TBLU-025	1/4	6	1/8	3	25	7.6	23.9	607	3/4	19	175	1.21	525	3.62	1/4" NPT
AUFS-64-TBLU-010*	3/8	10	1/4	6	8	3	5.6	142	1-3/4	44	180	1.24	540	3.72	1/4" NPT
AUFS-64-TBLU-015*	3/8	10	1/4	6	8	4.6	9.3	236	1-3/4	44	180	1.24	540	3.72	1/4" NPT
AUFS-64-TBLU-020	3/8	10	1/4	6	8	6.1	13	330	1-3/4	44	180	1.24	540	3.72	1/4" NPT
AUFS-64-TBLU-025*	3/8	10	1/4	6	8	7.6	16	406	1-3/4	44	180	1.24	540	3.72	1/4" NPT
AUFS-85-TBLU-010	1/2	13	21/64	8	8	3	5.5	140	2-1/2	64	150	1.03	450	3.10	3/8" NPT
AUFS-85-TBLU-015	1/2	13	21/64	8	15	4.6	9	229	2-1/2	64	150	1.03	450	3.10	3/8" NPT
AUFS-85-TBLU-020	1/2	13	21/64	8	20	6.1	12.5	317	2-1/2	64	150	1.03	450	3.10	3/8" NPT
AUFS-85-TBLU-025	1/2	13	21/64	8	25	7.6	16	406	2-1/2	64	150	1.03	450	3.10	3/8" NPT
AUFS-96-TBLU-010	9/16	17	3/8	10	10	3	6.1	155	2-1/2	64	140	0.97	420	2.90	3/8" NPT
AUFS-96-TBLU-015	9/16	17	3/8	10	15	4.6	9.9	251	2-1/2	64	140	0.97	420	2.90	3/8" NPT
AUFS-96-TBLU-020	9/16	17	3/8	10	20	6.1	13.7	348	2-1/2	64	140	0.97	420	2.90	3/8" NPT
AUFS-96-TBLU-025	9/16	17	3/8	10	25	7.6	17.5	444	2-1/2	64	140	0.97	420	2.90	3/8" NPT



### WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



Construction

Tube: Transparent Blue Polyurethane  
Fittings: Brass


Operating Parameters

Service temperature range: -40°F (-40°C) to +180°F (82°C)

Notes

Pigtail Lengths – 16" swivel end, 8" rigid end  
\*Retail packaging available - Add "R" suffix when ordering

Colors

Color Code		
	TBLU	Transparent Blue

### Order Information

**Example: AUFS-64-TBLU-025**

**AUFS-64-TBLU-025** – Assembled Urethane Fast-Stor

AUFS-**64**-TBLU-025 – **Tube O.D.** (3/8")

AUFS-**64**-TBLU-025 – **Tube I.D.** (1/4")

AUFS-64-**TBLU**-025 – **Color** (Transparent Blue)

AUFS-64-TBLU-**025** – **Total Length** (25')



**WARNING**  
This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Hose	A
Tubing	B
Coiled Air Hose & Fittings	C
Transportation	D
Fittings	E
Tooling, Equipment & Accessories	F
General Technical	G

# Parflex NoMar® Fast-Stor® Coiled Assembly AHUFS



## Features

- Manufactured from durable, abrasion-resistant 98 Durometer Polyurethane
- Excellent memory characteristics over a wide temperature range
- Long service life in rugged applications

## Applications/Markets



- Auto Repair
- Blow Guns
- Construction
- Carpentry
- Furniture Manufacturing
- Mfg. Air Drops
- Marine
- Water Hose

## Includes live male end and rigid male end

Assembly Part Number	Hose I.D.		Total Length		Working Length		Nominal Compact Length		Nominal Coil I.D.		Maximum Working Pressure 73°F/23°C		Minimum Burst at 73°F/23°C		End Fittings
#															
	inch	mm	ft.	mtr.	ft.	mtr.	inch	mm	inch	mm	psi	MPa	psi	MPa	
AHUFS-6-xxx-015	3/8	10	1/4	6	15	4.6	13	330	1-1/4	32	180	1.24	375	2.59	1/4"
AHUFS-6-xxx-025	3/8	10	1/4	6	25	6.7	22	559	1-1/4	32	180	1.24	375	2.59	1/4"

## Construction

Tube: 98 Durometer Polyurethane  
Fitting: Brass

## Operating Parameters

Service temperature range: -40°F (-40°C) to +180°F (82°C)

Maximum working pressure based on safety factor of 3:1 over burst.

## Notes

xxx- Denotes Color

Retail packaging available - Add "R" suffix when ordering

Pigtail Lengths - 16" swivel end, 8" rigid end

Other sizes available upon request

## Order Information

**Example: AHUFS-6-BLK-015**

**AHUFS-6-BLK-015 – Assembled High Durometer Urethane Fast-Stor**

AHUFS-6-BLK-015 – Tube O.D. (3/8")

AHUFS-6-**BLK**-015 – Color (Black)

AHUFS-6-BLK-**015** – Total Length (15')

## Colors

Color Code		
	BLK	Black
	BLU	Blue
	RED	Red
	YEL	Yellow

Other colors available upon request - consult factory



### WARNING

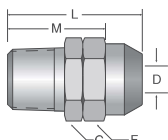
This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).





# Parflex NoMar® Fast-Stor® Fittings

(for reference only - not sold separately)

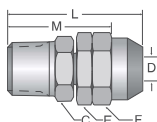
Parflex NoMar® Fast-Stor® fittings are manufactured from a heavy brass construction utilizing all standards for NPTF pipe threads. The engineered barb design generates the maximum gripping and sealing power when combined with the socket.






## MCB Male Pipe Rigid



Part Number	Hose Part Number	Thread Size	Hose I.D.		L		Cutoff M		C Hex		F Hex	
#	#											
			inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
MCB-4x2-2	UFS-42	1/8 NPT	0.12	3	1	25.4	0.74	18.8	7/16	11	7/16	11
MCB-4x2-4	UFS-42	1/4 NPT	0.12	3	1.16	29.5	0.9	22.9	9/16	14	7/16	11
MCB-6x4-4	UFS-64	1/4 NPT	0.23	5.8	1.16	29.5	0.9	22.9	5/8	16	5/8	16
MCB-6x4-6	UFS-64	3/8 NPT	0.23	5.8	1.2	30.5	0.94	23.9	3/4	19	5/8	16
MCB-8x5-6	UFS-85	3/8 NPT	0.27	6.9	1.29	32.8	0.99	25.1	3/4	19	3/4	19
MCB-9x6-6	UFS-96	3/8 NPT	0.31	7.9	1.47	37.3	1.1	27.9	7/8	22	7/8	22
MCB-9x6-8	UFS-96	1/2 NPT	0.32	8.1	1.61	40.9	1.24	31.5	7/8	22	7/8	22

## MLB Male Live Swivel



Part Number	Hose Part Number	Thread Size	Hose I.D.		L		Cutoff M		C Hex		E Hex		F Hex	
#	#													
			inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
MLB-4x2-4	UFS-42	1/4 NPT	0.12	3	1.37	34.8	1.11	28.2	9/16	14	7/16	11	9/16	14
MLB-6x4-4	UFS-64	1/4 NPT	0.22	5.6	1.37	34.8	1.11	28.2	9/16	14	5/8	16	5/8	16
MLB-6x4-6	UFS-64	3/8 NPT	0.23	5.8	1.58	40.1	1.32	33.5	3/4	19	5/8	16	5/8	16
MLB-8x5-6	UFS-85	3/8 NPT	0.27	6.9	1.68	42.7	1.38	35.1	3/4	19	3/4	19	3/4	19
MLB-9x6-6	UFS-96	3/8 NPT	0.31	7.9	1.87	47.5	1.5	38.1	3/4	19	7/8	22	7/8	22
MLB-9x6-8	UFS-96	1/2 NPT	0.31	7.9	1.95	49.5	1.58	40.1	15/16	24	7/8	22	7/8	22



### WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.