

Section F — Fast-Stor® Hose and Fittings

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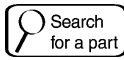
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Fast-Stor Air Hose

FAST-STOR Self Retracting Air Hose, from Parflex, is manufactured from an extremely tough, abrasion resistant nylon. FAST-STOR hose has excellent memory characteristics over a wide temperature range for long service life in the most rugged applications. The SAFETY YELLOW color of FAST-STOR is highly desirable due to U.S. Government OSHA directives. Service temperature range from -40°F to +200°F.



How to order: Fast-Stor Assemblies

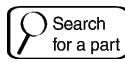
Popular Stock Assemblies

Assembly Part Number	Fast-Stor Hose I. D.	Total Length of Hose	Usable Length	Fitting End #1	Fitting End #2 Live Swivel	Max. Working Pressure psi*	Min. Burst at 73°F
A0312-MC4-ML4	3/16	12'	9'	1/4" MPT	1/4" MPT	170	680
A0325-MC4-ML4	3/16	25'	18'	1/4" MPT	1/4" MPT	170	680
A0350-MC4-ML4	3/16	50'	38'	1/4" MPT	1/4" MPT	170	680
A0412-MC4-ML4	1/4	12'	9'	1/4" MPT	1/4" MPT	170	680
A0425-MC4-ML4	1/4	25'	18'	1/4" MPT	1/4" MPT	170	680
A0450-MC4-ML4	1/4	50'	38'	1/4" MPT	1/4" MPT	170	680
A0612-MC6-ML6	3/8	12'	9'	3/8" MPT	3/8" MPT	170	680
A0625-MC6-ML6	3/8	25'	18'	3/8" MPT	3/8" MPT	170	680
A0650-MC6-ML6	3/8	50'	38'	3/8" MPT	3/8" MPT	170	680
A0812-MC8-ML8	1/2	12'	9'	1/2" MPT	1/2" MPT	170	680
A0825-MC8-ML8	1/2	25'	18'	1/2" MPT	1/2" MPT	170	680
A0850-MC8-ML8	1/2	50'	38'	1/2" MPT	1/2" MPT	170	680

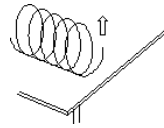
Bulk Hose

Assembly Part Number	Hose I. D.	Avg. Wall Thick	Hose Length	Master Carton Quantity	Coil Min. I. D.	Coil Max. O. D.	Max. Working Pressure psi*	Min. Burst at 73°F
FS-03-100	3/16	.023	100'	600'	2.0	2.5	170	680
FS-04-100	1/4	.030	100'	600'	3.0	3.7	170	680
FS-06-100	3/8	.045	100'	400'	4.5	5.5	170	680
FS-08-100	1/2	.062	100'	400'	6.5	7.8	170	680
FS-12-100	3/4	.075	100'	100'	12.0	14.0	170	680

*Maximum working pressure listed at 75°F or lower and based on safety factor of 4:1 over burst.

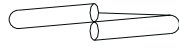


Measuring FAST-STOR hose is quick and easy and may be accomplished by either of two accurate methods:

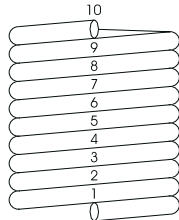


Position bulk length coils on work table extending away from you, cut-end up in 12:00 o'clock position.

1. Counting



1 Full 360° Coil



7/8 Coil



1/8 Coil

3/4 Coil



1/4 Coil

5/8 Coil



3/8 Coil

1/2 Coil

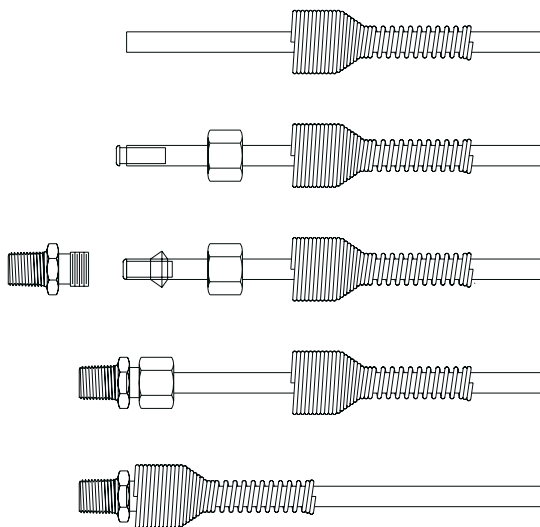
Guide to Estimating Fractions of Coils

Total Length of Hose		Number of Coils Needed to Obtain Required Net Extended Length +3%				
Feet	Inches	3/16 I. D. Fast-Stor	1/4 I. D. Fast-Stor	3/8 I. D. Fast-Stor	1/2 I. D. Fast-Stor	3/4 I. D. Fast-Stor
3	36	5-1/8 coils	3-1/2 coils	2-1/4 coils	1-5/8 coils	7/8 coils
5	60	8-1/2 coils	5-3/4 coils	3-7/8 coils	2-5/8 coils	1-1/2 coils
7	84	12 coils	8-1/8 coils	5-3/4 coils	3-3/4 coils	2-1/8 coils
10	120	17-1/8 coils	11-1/2 coils	7-3/4 coils	5-3/8 coils	3 coils
12	144	20-1/2 coils	13-7/8 coils	9-1/4 coils	6-1/2 coils	3-1/2 coils
15	180	25-3/4 coils	17-3/8 coils	11-1/2 coils	8 coils	4-1/2 coils
16	192	27-3/8 coils	18-1/2 coils	12-3/8 coils	8-5/8 coils	4-3/4 coils
17	204	29-1/8 coils	19-5/8 coils	13-1/8 coils	9-1/8 coils	5 coils
19	216	30-7/8 coils	20-3/4 coils	13-7/8 coils	9-5/8 coils	5-3/8 coils
20	240	34-1/4 coils	23-1/8 coils	15-3/8 coils	10-3/4 coils	6 coils
25	300	42-7/8 coils	28-7/8 coils	19-1/4 coils	13-38 coils	7-1/2 coils
30	360	51-3/8 coils	34-5/8 coils	23-1/8 coils	16-1/8 coils	8-7/8 coils
33	396	56-1/2 coils	38-1/8 coils	25-3/8 coils	17-3/4 coils	9-3/4 coils
50	600	85-5/8 coils	57-3/4 coils	38-1/2 coils	26-7/8 coils	14-7/8 coils

2. Division into Even Numbers of Lengths

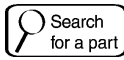
Bulk retracted lengths of FAST-STOR hose are always exactly 100 feet long when shipped from factory. Some diameter expansion of the coils may have occurred in shipment due to temperature and storage conditions. This may appear to have shortened a given 100' retracted length slightly in relation to other 100' retracted lengths in the same master carton. The shorter appearance should not be mistaken for any actual shortage in extended length. A bulk retracted length may be easily divided into smaller lengths by first measuring the tightly retracted length in inches, and dividing by 4 to determine the cut off length for 25 feet, by 3 for 33 feet, by 8 for 12-1/2 feet, etc. Pieces should be tagged with their proper length before returning to storage.

How to Assemble Fast-Stor Hose



1. Using a Parker Model 316 cutoff tool, Parflex PHC hand cutter or other sharp cutter, cut hose squarely to correct length.
2. Install SG spring guard on hose as shown. A guard is not required on size -12 hose.
3. Slide FN nut on hose and insert TS tube support.
4. Slide FR plastic ferrule over hose with taper side toward cut end of hose. Size -12 hose uses a brass ferrule and requires the hose end to be dipped in clean water for lubrication.
5. Push hose into fitting body until bottomed. Slide nut and ferrule up to fitting body and tighten nut by hand. With a wrench, tighten the nut additional 2 to 2-1/2 turns.
6. Slide spring guard over nut until the lead coil snaps between the nut and fitting body hex.





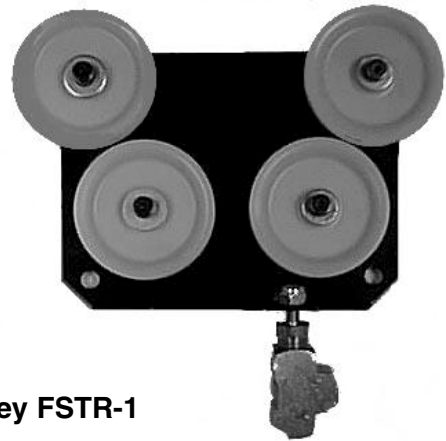
OSHA Approved Blow Guns

Parker Hannifin blow guns comply with all "OSHA" directives for reduced pressure blow guns. Guns are handy button type of rugged construction and economically priced.



Trolley-Cable Kits for a Complete Air Tool Hook-up Package

FAST-STOR Trolley-Cable Kits provide a complete assembly line type air tool hook-up station. Useful in automotive, appliance, electronic, and all assembly plants, trolley-cable installations are also found in many progressive service stations, tire shops, and repair garages. Time and cost savings in tool mobility, with the added safety of "keeping the hose off the floor," are major advantages which make trolleys a "must" in many areas.



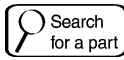
Trolley FSTR-1



Aircraft Control Cable
FSCA-100



Heavy Duty
Cable Hardware Kit FSHK

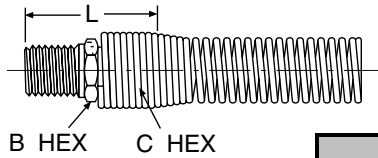


Fittings

Fittings for FAST-STOR hose are heavy duty brass construction 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. For body only use Prefix B.

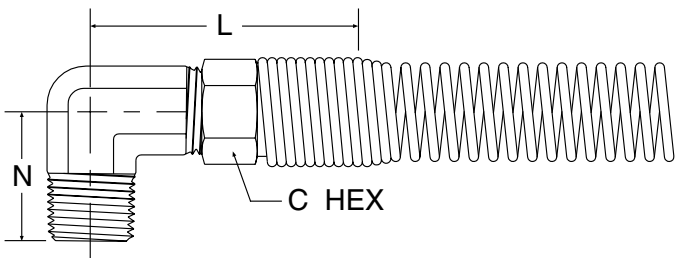
MC - Male Connector



Part Number	Hose I. D.	End Type	End Size	L	B Hex	C Hex	Box Quantity
#							
MC-03-2	3/16	MPT-Straight	1/8 MPT	1-3/8	9/16	1/2	20
MC-03-4	3/16	MPT-Straight	1/4 MPT	1-9/16	9/16	1/2	20
MC-04-2	1/4	MPT-Straight	1/8 MPT	1-3/8	9/16	9/16	20
MC-04-4	1/4	MPT-Straight	1/4 MPT	1-9/16	9/16	9/16	20
MC-06-6	3/8	MPT-Straight	3/8 MPT	1-13/16	11/16	13/16	20
MC-08-6	1/2	MPT-Straight	3/8 MPT	2-1/8	7/8	15/16	20
MC-08-8	1/2	MPT-Straight	1/2 MPT	2-1/8	7/8	15/16	20
*MC-12-12	3/4	MPT-Straight	3/4 MPT	2-1/4	1-1/4	1-3/8	10

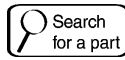
* No Spring Guard Required.

ME - Male Elbow

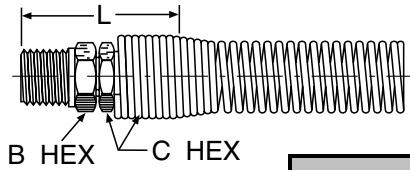


Part Number	Hose I. D.	End Type	End Size	L	N	C Hex	Box Quantity
#							
ME-03-4	3/16	90° Male Elbow	1/4 MPT	1-1/4	15/16	9/16	20
ME-04-4	1/4	90° Male Elbow	1/4 MPT	1-13/16	15/16	9/16	20
ME-06-6	3/8	90° Male Elbow	3/8 MPT	1-9/16	1-1/8	13/16	20
ME-08-8	1/2	90° Male Elbow	1/2 MPT	1-3/4	1-3/8	15/16	20

F

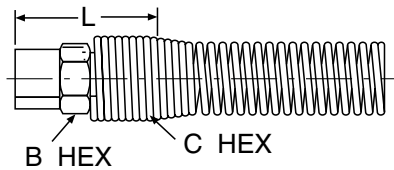


ML - Live Male Pipe Swivel



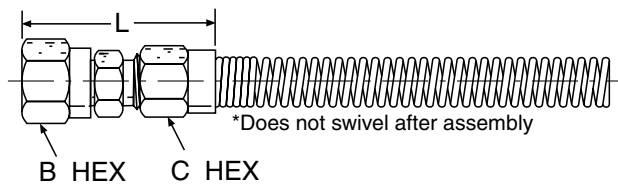
Part Number	Hose I. D.	End Type	End Size	L	B Hex	C Hex	Box Quantity
#							
ML-03-4	3/16	MPT Live Swivel	1/4 MPT	1-1/16	9/16	1/2	20
ML-04-4	1/4	MPT Live Swivel	1/4 MPT	1-9/16	9/16	9/16	20
ML-06-6	3/8	MPT Live Swivel	3/8 MPT	1-7/8	3/4	13/16	20
ML-08-8	1/2	MPT Live Swivel	1/2 MPT	2-3/8	7/8	15/16	20

FC Female Connector



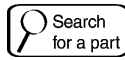
Part Number	Hose I. D.	End Type	End Size	L	B Hex	C Hex	Box Quantity
#							
FC-04-4	1/4	Female Pipe FPT	1/4 FPT	1-9/16	11/16	9/16	10
FC-06-6	3/8	Female Pipe FPT	3/8 FPT	1-3/4	13/15	13/16	10

FL - *Female Pipe Swivel

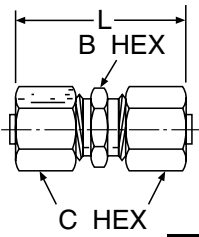


Part Number	Hose I. D.	End Type	End Size	L	B Hex	C Hex	Box Quantity
#							
FL-04-4	1/4	Female NPSM 30° Swivel	1/4 NPSM	1-3/4	5/8	9/16	20
FL-06-6	3/8	Female NPSM 30° Swivel	3/8 NPSM	2-1/8	3/4	9/16	10

*Does not swivel after assembly



UC Union Connector

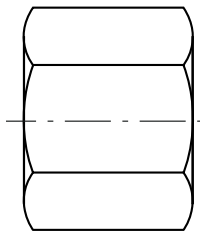


Part Number	Hose I. D.	End Type	End Size	L	B Hex	C Hex	Box Quantity
#							
UC-04-4	1/4	Union Connector	1/4 x 1/4 I. D. Hose	1-7/8	1/2	9/16	10
UC-06-6	3/8	Union Connector	3/8 x 3/8 I. D. Hose	2-5/8	11/16	13/16	10



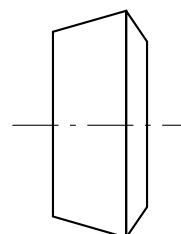
Replacement Parts

FN - Brass Nut



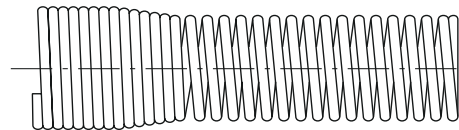
Part Number	Hose I. D.	Box Quantity
#		
FN-03	3/16	20
FN-04	1/4	20
FN-06	3/8	20
FN-08	1/2	20
FN-12	3/4	10

FR - Plastic Ferrule



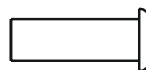
Part Number	Hose I. D.	Box Quantity
#		
FR-03	3/16	50
FR-04	1/4	50
FR-06	3/8	30
FR-08	1/2	20
FR-12	3/4	10

SG - Steel Spring Guard

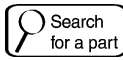


Part Number	Hose I. D.	Box Quantity
#		
SG-03	3/16	20
SG-04	1/4	20
SG-06	3/8	20
SG-08	1/2	20

TS - Tube Support



Part Number	Hose I. D.	Box Quantity
#		
TS-03	3/16	100
TS-04	1/4	100
TS-06	3/8	100
TS-08	1/2	100
TS-12	3/4	100



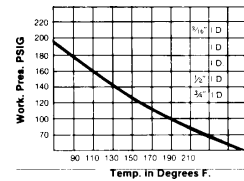
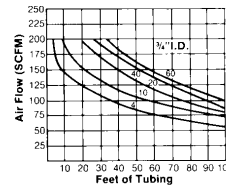
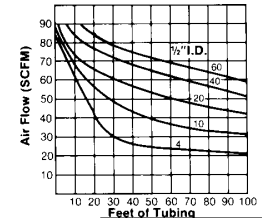
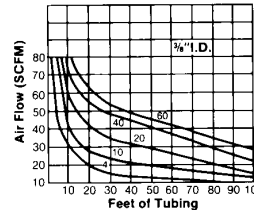
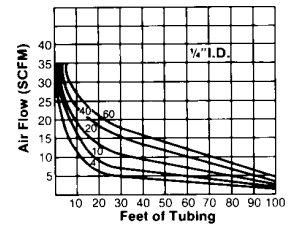
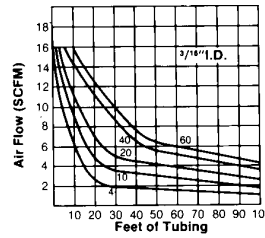
Size Selection Procedure

Proper size selection is extremely important in choosing any air hose in order to prevent "starvation" of the air tool, and to insure maximum torque and tool speed. Starved tools don't produce!

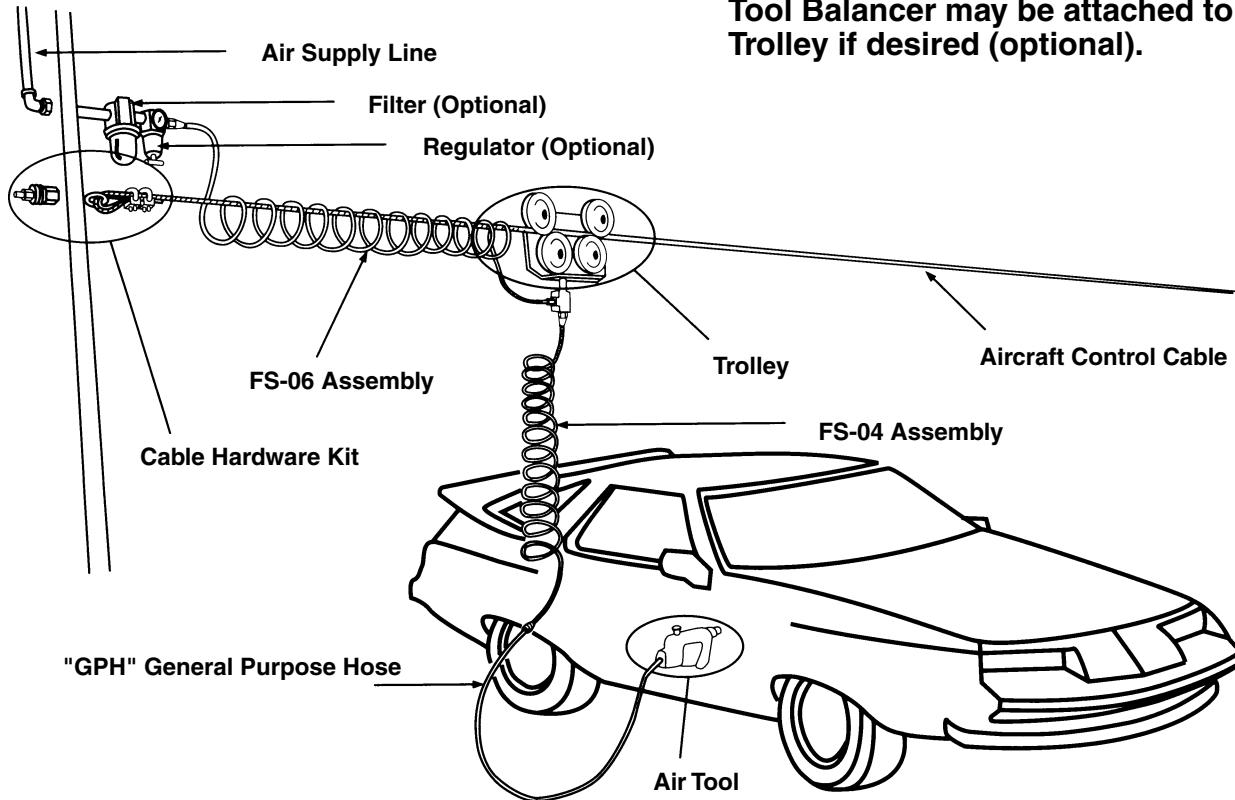
Steps in size selection:

1. Determine air flow rate and pressure required by following air-tool manufacturers recommendations.
2. Refer to "Air Flow Characteristics" Graphs, shown at right. 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 to be sure your application falls within the working range of FAST-STOR Air Hose.

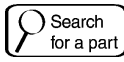
Air Flow Characteristics: 80 PSIG input at 70° Top Curve shows P = 60, next curve P = 40, next P = 20, next P = 10 and the lower curve P = 4. (P = Pressure Drop.)



Typical Fast-Stor Installation



Air Line Lubricator and/or Reel Type Tool Balancer may be attached to Trolley if desired (optional).



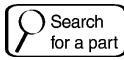
Urethane Fast-Stor Coils

Pigtail Lengths – 16" End #1, 8" End #2
Standard color is transparent blue (-TBLU).
Other sizes and colors available upon request. [Consult factory.](#)

Part Number	Hose O. D. in.	Hose I. D. in.	Working Length ft.	Coil I. D. in.	Max. Working Pressure psi at 73°F	Min. Burst psi at 73°F
#						
UFS-32-TBLU-010	3/16	1/8	10	3/4	125	375
UFS-32-TBLU-025	3/16	1/8	25	3/4	125	375
UFS-42-TBLU-010	1/4	1/8	10	3/4	125	375
UFS-42-TBLU-025	1/4	1/8	25	3/4	125	375
UFS-64-TBLU-010	3/8	1/4	10	1-1/4	125	375
UFS-64-TBLU-015	3/8	1/4	15	1-1/4	125	375
UFS-64-TBLU-020	3/8	1/4	20	1-1/4	125	375
UFS-64-TBLU-025	3/8	1/4	25	1-1/4	125	375
UFS-85-TBLU-010	1/2	21/64	10	2-1/2	125	375
UFS-85-TBLU-015	1/2	21/64	15	2-1/2	125	375
UFS-85-TBLU-020	1/2	21/64	20	2-1/2	125	375
UFS-85-TBLU-025	1/2	21/64	25	2-1/2	125	375
UFS-86-TBLU-010	1/2	3/8	10	2-1/2	85	255
UFS-86-TBLU-020	1/2	3/8	20	2-1/2	85	255
UFS-96-TBLU-010	9/16	3/8	10	2-1/2	125	375
UFS-96-TBLU-015	9/16	3/8	15	2-1/2	125	375
UFS-96-TBLU-020	9/16	3/8	20	2-1/2	125	375
UFS-128-TBLU-010	3/4	1/2	10	3	125	375
UFS-128-TBLU-015	3/4	1/2	15	3	125	375
UFS-128-TBLU-020	3/4	1/2	20	3	125	375
UFS-128-TBLU-025	9/16	3/8	25	3	125	375

Dimensions in inches.





Parflex NoMar™ Fast-Stor Assemblies

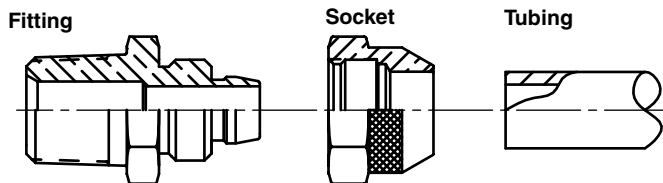
How to order:

Urethane Fast-Stor Assemblies

Includes live male end and rigid male end

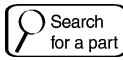
Part Number	Hose O. D. in.	Hose I. D. in.	Working Length ft.	Coil I. D. in.	Max. Working Pressure psi at 73°F	Min. Burst psi at 73°F	End Fittings
#							
AUFS-32-TBLU-010*	3/16	1/8	10	3/4	125	375	1/8" NPT
AUFS-32-TBLU-025*	3/16	1/8	25	3/4	125	375	1/8" NPT
AUFS-42-TBLU-010	1/4	1/8	10	3/4	125	375	1/4" NPT
AUFS-42-TBLU-025	1/4	1/8	25	3/4	125	375	1/4" NPT
AUFS-64-TBLU-010	3/8	1/4	10	1-1/4	125	375	1/4" NPT
AUFS-64-TBLU-015	3/8	1/4	15	1-1/4	125	375	1/4" NPT
AUFS-64-TBLU-020	3/8	1/4	20	1-1/4	125	375	1/4" NPT
AUFS-64-TBLU-025	3/8	1/4	25	1-1/4	125	375	1/4" NPT
AUFS-85-TBLU-010	1/2	21/64	10	2-1/2	125	375	3/8" NPT
AUFS-85-TBLU-015	1/2	21/64	15	2-1/2	125	375	3/8" NPT
AUFS-85-TBLU-020	1/2	21/64	20	2-1/2	125	375	3/8" NPT
AUFS-85-TBLU-025	1/2	21/64	25	2-1/2	125	375	3/8" NPT
AUFS-86-TBLU-010	1/2	3/8	10	2-1/2	85	255	3/8" NPT
AUFS-86-TBLU-020	1/2	3/8	20	2-1/2	85	255	3/8" NPT
AUFS-96-TBLU-010	9/16	3/8	10	2-1/2	125	375	3/8" NPT
AUFS-96-TBLU-015	9/16	3/8	15	2-1/2	125	375	3/8" NPT
AUFS-96-TBLU-020	9/16	3/8	20	2-1/2	125	375	3/8" NPT
AUFS-96-TBLU-025	9/16	3/8	25	2-1/2	125	375	3/8" NPT
AUFS-128-TBLU-010+	3/4	1/2	10	3	125	375	1/2" NPT
AUFS-128-TBLU-015+	3/4	1/2	15	3	125	375	1/2" NPT
AUFS-128-TBLU-020+	3/4	1/2	20	3	125	375	1/2" NPT
AUFS-128-TBLU-025+	3/4	1/2	25	3	125	375	1/2" NPT

Pigtail Lengths – 16" swivel end, 8" rigid end. Size -32 comes standard with two rigid ends.
Standard color is transparent blue (-TBLU). Other sizes and colors available upon request. [Consult factory.](#)
*Assembly includes rigid male end on both ends; live male ends not available.
+Permanent crimped shell.



Assembly Instructions

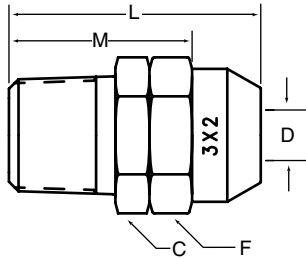
1. Slide the socket on the tubing with threads facing the end of the tubing.
2. Press the tubing over the Tube Support portion of the fitting until the tube bottoms out. Do not use a lubricant.
3. Push the socket up to meet the mating threads on the fitting, finger tighten the socket onto the fitting.
4. Tighten the fitting and socket until the fitting hex and socket hex meet.



Fittings

Male Pipe Rigid

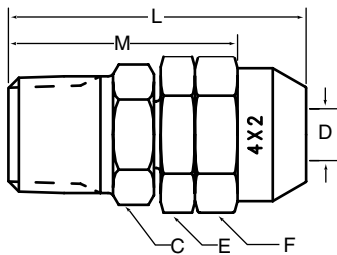
Parflex NoMar Polyurethane Fast-Stor fittings are manufactured from a heavy brass construction utilizing all standards NPTF pipe threads. The engineered barb design generates the maximum gripping and sealing power when combined with the socket.



Part Number	Hose Part Number	Thread Size	L	M Cutoff	D I. D.	C Hex	F Hex
#	#						
MCB-3x2-2	UFS-32	1/8 NPT	0.94	0.72	0.11	7/16	7/16
MCB-4x2-2	UFS-42	1/8 NPT	1.00	0.74	0.12	7/16	7/16
MCB-4x2-4	UFS-42	1/4 NPT	1.16	0.90	0.12	9/16	7/16
MCB-6x4-4	UFS-64	1/4 NPT	1.16	0.90	0.23	5/8	5/8
MCB-6x4-6	UFS-64	3/8 NPT	1.20	0.94	0.23	3/4	5/8
MCB-8x5-6	UFS-85	3/8 NPT	1.29	0.99	0.27	3/4	3/4
MCB-8x6-4	UFS-86	1/4 NPT	1.29	1.03	0.28	3/4	3/4
MCB-8x6-6	UFS-86	3/8 NPT	1.30	1.04	0.34	3/4	3/4
MCB-9x6-6	UFS-96	3/8 NPT	1.47	1.10	0.31	7/8	7/8
MCB-9x6-8	UFS-96	1/2 NPT	1.61	1.24	0.32	7/8	7/8

For 3/4" size fitting offering, consult the factory for availability and assembly procedures.

Male Live Swivel



Part Number	Hose Part Number	Thread Size	L	M Cutoff	D I. D.	C Hex	E Hex	F Hex
#	#							
MLB-4x2-4	UFS-42	1/4 NPT	1.37	1.110	0.12	9/16	7/16	9/16
MLB-6x4-4	UFS-64	1/4 NPT	1.37	1.110	0.22	9/16	5/8	5/8
MLB-6x4-6	UFS-64	3/8 NPT	1.58	1.320	0.23	3/4	5/8	5/8
MLB-8x5-6	UFS-85	3/8 NPT	1.68	1.380	0.27	3/4	3/4	3/4
MLB-8x6-6	UFS-86	3/8 NPT	1.71	1.450	0.33	3/4	3/4	3/4
MLB-9x6-6	UFS-96	3/8 NPT	1.87	1.500	0.31	3/4	7/8	7/8
MLB-9x6-8	UFS-96	1/2 NPT	1.95	1.580	0.31	15/16	7/8	7/8

For 3/4" size fitting offering, consult the factory for availability and assembly procedures.

This is the last page of Section F

CLICK HERE

to go to the first page of Section G