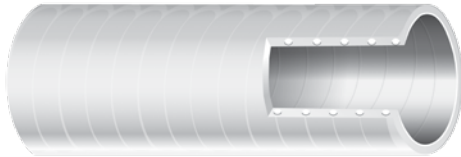


# MARINE GRADE HOSE

## WATER, VENT, & SANITATION HOSE



\*\*Hose is sold per foot, the maximum "UPS-able" length is 8' for longer length please call or E-mail us!



Smooth white FDA grade PVC with vinyl helix, Rated for full vacuum, Resistant to: mild chemicals, salt water, permeation, Do not use glycol based antifreeze in hose, Do not use in pressurized water systems

Sanitation - Toilet To Holding Tank, Intake, Vent, Pump Out, Bilge Pump Intake And Discharge, Resistant To Odor Permeation, Drains - Sink, Shower, Scupper, Potable Water Tank Fill, Livewell Intake And Drain

Part#	Hose I.D.	Bend Radius	Vac Rating
12-148-0580-1	5/8"	3"	28
12-148-0340-1	3/4"	3"	28
12-148-1000-1	1"	3"	28
12-148-1180-1	1-1/8"	4"	28
12-148-1140-1	1-1/4"	4"	28
12-148-1120-1	1-1/2"	5"	28



Vinyl / Vent PVC supported by anodized wire helix, Resistant to UV and ozone, will not support a flame, for Venting Of Bilge Fumes

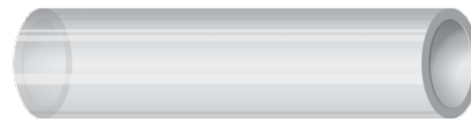
Part#	Hose I.D.	Color	Length
16-400-3003	3"	White	10'
16-400-4003	4"	White	10'
16-402-3003	3"	Black	10'
16-402-4003	4"	Black	10'
16-400-3006	3"	White	50'
16-400-4006	4"	White	50'
16-402-3006	3"	Black	50'
16-402-4006	4"	Black	50'



Clear FDA formula Multiflex PVC with black vinyl helix, Flexible, abrasion resistant, Resistant to: mild chemicals, salt water, Couplings: uses 147 right hand thread cuffs, Do not use glycol based antifreeze in hose, Do not attach to thru hull fitting below the water line

Bilge Pump Discharge, Drains - Sink, Shower, Scupper, Livewell, Potable Water Tank Fill ( above the water line)

Part#	Hose I.D.	Bend Radius
12-141-0340-1	3/4"	3/4"
12-141-1000-1	1"	7/8"
12-141-1180-1	1-1/8"	1"
12-141-1140-1	1-1/4"	1-1/2"
12-141-1120-1	1-1/2"	2"



PVC TUBING - CLEAR, Single layer FDA formula vinyl, Not for hot water or pressurized water systems

Non-pressurized Potable Water System Supply Drain Lines - Sink, Shower, Ice Box

Part#	Hose I.D.	Color
12-150-0140-1	1/4"	Clear
12-150-0560-1	5/16"	Clear
12-150-0380-1	3/8"	Clear
12-150-0120-1	1/2"	Clear
12-150-0580-1	5/8"	Clear
12-150-0340-1	3/4"	Clear
12-150-1000-1	1"	Clear
12-150-1140-1	1-1/4"	Clear
12-150-1120-1	1-1/2"	Clear

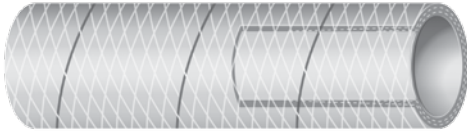


# MARINE GRADE HOSE

## WATER, BILGE, & EXHAUST HOSE



\*\*Hose is sold per foot, the maximum "UPS-able" length is 8' for longer length please call or E-mail us!



CLEAR PVC TUBING POLYESTER REINFORCED (RED-TRACER), Clear heavy wall FDA formula vinyl, Polyester braid reinforcement - 250 psi burst pressure, temp range: 25° - 150° F

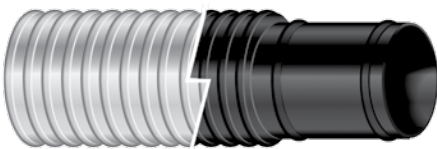
Pressurized Water System Supply - Hot Or Cold, Drain Lines - Sink, Shower, Ice Box, Wash Down Pump Connections, Head Intake

Part#	Hose I.D.	Length
16-162-0386	3/8"	50'
16-162-0126	1/2"	50'
16-162-0586	5/8"	50'
16-162-0346	3/4"	50'
16-162-1006	1"	50'
12-162-0380-1	3/8"	per foot
12-162-0120-1	1/2"	per foot
12-162-0580-1	5/8"	per foot
12-162-0340-1	3/4"	per foot
12-162-1000-1	1"	per foot



WATER/HEATER HOSE SHIELDS #1300 WATER HOSE, Engine Heater Hose, Heat Exchanger, A/C Circulation Drain Lines - Sink, Icebox, Shower, Livewell, Toilet Intake Heavy Duty EPDM tube and cover, fabric reinforced, Resistant to: mild chemicals, heat, cold, ozone, saltwater, Temperature range: -40° to +190° F

Part#	Hose I.D.	Working pressure	Length
16-130-0126	1/2"	62 PSI	50'
16-130-0586	5/8"	62 PSI	50'
16-130-0346	3/4"	50 PSI	50'
12-130-0120-1	1/2"	62 PSI	per foot
12-130-0580-1	5/8"	62 PSI	per foot
12-130-0340-1	3/4"	50 PSI	per foot



Bilge Pump Discharge, Single layer corrugated polyethylene. Resistant to: mild chemicals, salt water Clamping cuff every foot. Available in Black Only Do not attach to thru hull fitting below the water line

Part#	Hose I.D.	Bend Radius	Vac Rating
12-120-0340-1B	3/4"	3/4"	20
12-120-1180-1B	1-1/8"	1"	20
12-120-1140-1B	1-1/4"	1-1/2"	20
12-120-1120-1B	1-1/2"	2"	20



Black synthetic rubber tube and cover, Reinforced with double wire helix imbedded between plies of synthetic cord. Resistant to: exhaust fumes, ozone, mild chemicals, antifreeze, salt water, Abrasion resistant, Temperature range: -20° to +200° F continuous, +250° intermittent, Meets SAE J2006 Type R2

Wet Exhaust Connections - With Significant Bends, Engine Intake, Scupper Lines

Part#	Hose I.D.	Color
12-252-2000-1	2"	Black
12-252-2780-1	2-7/8"	Black
12-252-3000-1	3"	Black
12-252-4000-1	4"	Black

# MARINE GRADE HOSE

## EXHAUST WATER HOSE & FIBERGLASS REINFORCED FITTINGS



\*\*Hose is sold per foot, the maximum "UPS-able" length is 8' for longer length please call or

E-mail us!



SHIELDS MARINE EXHAUST/WATER HOSE (No Wire), Black heavy walled synthetic rubber. Reinforced with 2 or 4 plies of synthetic cord, Resistant to: engine heat, exhaust fumes, ozone, mild chemicals, antifreeze, salt water, Temperature range: -20° to +200° F continuous +250° intermittent, Meets SAE J2006 Type R1

Straight Connections In Wet Exhaust Systems, Engine Water Circulation Lines

Part#	Hose I.D.	Length
12-200-1000-1	1"	per foot
12-200-1140-1	1-1/4"	per foot
12-200-1120-1	1-1/2"	per foot
12-200-1340-1	1-3/4"	per foot
12-200-1780-1	1-7/8"	per foot
12-200-2000-1	2"	per foot
12-200-2140-1	2-1/4"	per foot
12-200-2380-1	2-3/8"	per foot
12-200-2120-1	2-1/2"	per foot
12-200-2340-1	2-3/4"	per foot
12-200-2780-1	2-7/8"	per foot
12-200-3000-1	3"	per foot
12-200-3180-1	3-1/8"	per foot
12-200-3120-1	3-1/2"	per foot
12-200-3340-1	3-3/4"	per foot
12-200-4000-1	4"	per foot
12-200-4120-1	4-1/2"	per foot
12-200-5000-1	5"	per foot
12-200-6000-1	6"	per foot



SHIELDSFLEX II MARINE WATER/EXHAUST HOSE (w/wire), Black synthetic rubber tube and cover, Reinforced with wire helix imbedded between plies of HD synthetic cord, Resistant to: exhaust fumes, ozone, mild chemicals, antifreeze, salt water, Abrasion resistant, Odor permeation resistant, Temperature range: -20° to +200° F continuous, +250° intermittent, Meets SAE J2006 Type R2

Engine Intake, Wet Exhaust Connections - Use Where Bends Or Long Lengths Required, Bilge Pump Intake / Discharge, Scupper Lines, Toilet Intake, Discharge, Holding Tank Vent, Pump Out

Part#	Hose I.D.	Part#	Hose I.D.
12-250-0120-1	1/2"	12-250-2000-1	2"
12-250-0580-1	5/8"	12-250-2140-1	2-1/4"
12-250-0340-1	3/4"	12-250-2380-1	2-3/8"
12-250-0780-1	7/8"	12-250-2120-1	2-1/2"
12-250-1000-1	1"	12-250-2580-1	2-5/8"
12-250-1180-1	1-1/8"	12-250-2340-1	2-3/4"
12-250-1140-1	1-1/4"	12-250-2780-1	2-7/8"
12-250-1560-1	1-5/16"	12-250-3000-1	3"
12-250-1380-1	1-3/8"	12-250-3180-1	3-1/8"
12-250-1340-1	1-3/4"	12-250-3140-1	3-1/4"
12-250-1780-1	1-7/8"	12-250-3120-1	3-1/2"
12-250-156-1	1-5/16"	12-250-4000-1	4"
12-250-1580-1	1-5/8"	12-250-4120-1	4-1/2"
		12-250-5000-1	5"

**HOSE IS SOLD PER FOOT!**



Fiberglass reinforced nylon fittings designed to fit Series 101 and Series 144 and 148 hoses without heating or special tools, For use in sanitation systems, deck drain systems and water tank fill, Fittings are durable, chemical and fuel resistant, will not rust or cause electrolysis

Part#	Hose I.D.	Description	Thread
16-800-0340	3/4"	Straight Male	3/4" MP
16-800-1000	1"	Straight male	1" MP
16-800-1180	1-1/8"	Straight Male	1-1/8" MP
16-800-1140	1-1/4"	Straight Male	1-1/4" MP
16-800-1120	1-1/2"	Straight Male	1-1/2" MP
16-801-1120	1-1/2"	Straight Female	1-1/2" FP
16-802-1120	1-1/2"	90 Male	1-1/2" MP
16-803-1120	1-1/2"	90 Female	1-1/2" FP
16-806-1120	1-1/2"	Hose Tee	N / A



# MARINE GRADE HOSE

FUEL FILL, VENT & OUTBOARD FUEL HOSE



## SERIES 368 LOW PERMEATION MARINE FUEL HOSE

Fuel feed gasoline up to 85% ethanol blended fuels / diesel, & bio diesel (all blends), complies with EPA & CARB very low permeation requirements, MEETS USCG type A1-15 requirements for pleasure boats, plastic barrier veneer with NBR outer layer tube to limit permeation, polyester reinforced weather/UV resistant NBR/PVC cover, meets SAE J1527 type A1-15, ISO 7840 type A1, NMMA/CE type accepted

Fuel Feed – Gas Or Diesel, For Pleasure Boats Only

### TYPE A1

Part#	Hose I.D.	Burst Pressure	Length
16-368-0146	1/4"	n/a	50'
16-368-0566	5/16"	n/a	50'
16-368-0386	3/8"	n/a	50'
16-368-0126	1/2"	n/a	50'
12-368-0140-1	1/4"	n/a	per foot
12-368-0560-1	5/16"	n/a	per foot
12-368-0380-1	3/8"	n/a	per foot
12-368-0120-1	1/2"	n/a	per foot



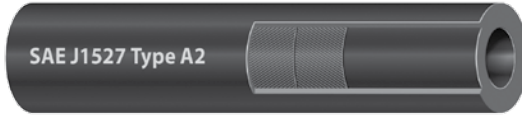
## SILVERADO 3000 OUTBOARD FUEL LINE

EPA compliant outboard fuel line, for use in above deck primer bulb assemblies, resistant to ethanol blend fuels, CARB compliant for small engine use, Thermoplastic construction resists UV barrier layer prevents permeation, gray color keeps hose cooler to help prevent vapor lock, meets SAE J1527 type B1-15

For Outside Engine Compartment, Pleasure Craft Only

**"ABOVE DECK USE ONLY"**

Part#	Hose I.D.	Ply	Burst Pressure
12-331-0560-1	5/16"	2	n/a
12-331-0380-1	3/8"	2	n/a



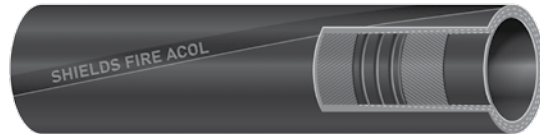
## SERIES 369 FIRE-ACOL FUEL VENT HOSE

Fuel vent lines, gasoline up to 85% ethanol blended fuel & diesel fuel, MEETS USCG type A2 requirements for pleasure boats, resists gasoline/alcohol blended fuel, fire resistant, weather/UV resistant NBR/PVC cover, meets SAE J1527 type A2, ISO 7840 type A2, NMMA/CE type accepted

Fuel Vent – Gas Or Diesel, For Pleasure Boats Only

### TYPE A2

Part#	Hose I.D.	Burst Pressure	Length
16-369-0586	5/8"	n/a	50'
12-369-0580-1	5/8"	n/a	per foot



## FIRE-ACOL FUEL FILL HOSE

Gasoline or diesel, for pleasure boats only, resists gasoline/alcohol blends, compounded for low permeation, reinforced with wire helix imbedded between plies of HD synthetic cord, abrasion resistant, temperature range -5°F to 180°F, meets SAE J1527 type A2 & ISO 7840 type A2, NMMA/CE type accepted

### TYPE A2

Part#	Hose I.D.	Burst Pressure	Length
16-350-1584	1-5/8"	90 PSI	12-1/2'
16-350-1784	1-7/8"	90 PSI	12-1/2'
16-350-2004	2"	90 PSI	12-1/2'
16-350-2384	2-3/8"	90 PSI	12-1/2'
12-350-1580-1	1-5/8"	90 PSI	per foot
12-350-1780-1	1-7/8"	90 PSI	per foot
12-350-2000-1	2"	90 PSI	per foot
12-350-2380-1	2-3/8"	90 PSI	per foot



## FUEL FILL HOSE TYPE A2

Part#	Hose I.D.	Burst Pressure	Length
16-355-1124	1-1/2"	90 PSI	12-1/2'
12-355-1120-1	1-1/2"	90 PSI	per foot

# MARINE HOSE COMPONENTS



## BRASS HOSE FITTINGS & TRANSMISSION HOSE & FITTINGS



Male Pipe to Hose Adaptor

Part#	Hose I.D.	Thread:
MID32-011	3/8"	1/8"
MID32-012	3/8"	1/4"
MID32-013	3/8"	3/8"
MID32-014	3/8"	1/2"



45° SAE Female Swivel to Head

Part#	Hose I.D.	Tube:
MID32-105	3/8"	3/8"



Male Pipe to 45° SAE Flare

Part#	Tube:	Pipe:
MID10-260	5/16"	1/4"
MID10-261	5/16"	3/8"
MID10-262	3/8"	1/8"
MID10-263	3/8"	1/4"
MID10-264	3/8"	3/8"
MID10-265L	3/8"	1/2"
MID10-268	1/2"	3/8"



Solid Brass Ferrules for crimping



Part#	Hose Type:	I.D.
18-700-7000	16-368-0386	3/8"



Special application hose, for oil & transmission lines, Textile braid, low pressure, socketless, FC332 Hose, Maximum burst pressure 250 PSI

### TRANSMISSION HOSE & FITTINGS



Part#	Hose I.D.	Length
TRAN HOSE 12	1/2"	per foot
TRAN HOSE 58	5/8"	per foot



Brass Elbow 45° SAE Flare

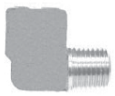
Part#	Tube:	Pipe:
MID10-294B	3/8"	1/4"
MID10-299B	1/2"	3/8"
MID10-303B	5/8"	1/2"



Brass Elbow 45°, Inverted Female Tube

Part#	Tube:	Pipe:
MID12-077	1/2"	3/8"
MID12-079	5/8"	1/2"

1/4" Male to Female Street L



Part#	Pipe:
MID28-157	1/4"

90° Elbows



Part#	Pipe:	Hose:
MID32-041	1/4"	3/8"

Forged Hose Barb

Brass Elbow 90°, Inverted Female Tube



Part#	Tube:	Pipe:
MID12-066	1/2"	3/8"
MID12-067	1/2"	1/2"
MID12-068	5/8"	1/2"



### BRASS FITTINGS FOR FC332 HOSE



SAE 45° Inverted Male Flare (swivel end)



Part#	Hose I.D.	Tube:
MID30-282	1/2"	1/2"
MID30-286	5/8"	5/8"

Male Pipe



Part#	Hose I.D.	Pipe:
MID30-206	1/2"	3/8"
MID30-207	1/2"	1/2"
MID30-209	5/8"	1/2"

JIC37/SAE 45° Swivel Female to Hose



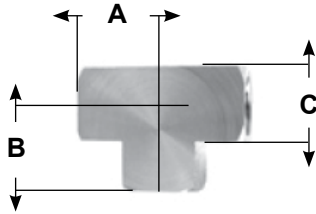
Part#	Hose I.D.	Tube:
MID30-234	1/2"	1/2"
MID30-235	1/2"	5/8"
MID30-237	5/8"	5/8"





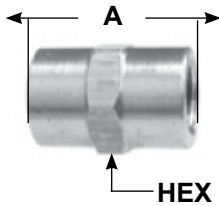
# MARINE HOSE COMPONENTS

## BRASS HOSE FITTINGS



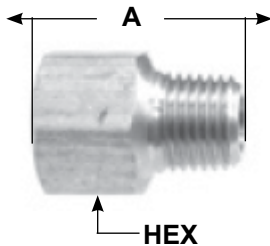
### BRASS UNION TEE

Part#	Thread Size NPTF	A	B	C
MID28-024	1/8"	.55	.55	.56
MID28-025	1/4"	.78	.78	.68
MID28-026	3/8"	.84	.84	.81
MID28-027	1/2"	1.09	1.09	1.00



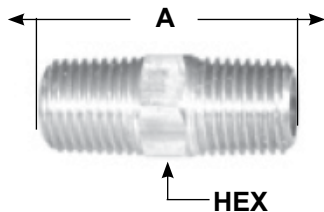
### BRASS COUPLING

Part#	Thread Size NPTF	A	HEX
MID28-058	1/8"	.75	.50
MID28-059	1/4"	1.12	.75
MID28-060	3/8"	1.12	.87
MID28-061	1/2"	1.50	1.06



### BRASS EXTENDER ADAPTER

Part#	Thread Size NPTF F x M	A	HEX
MID28-191	1/4" x 1/8"	1.06	.75
MID28-193	3/8" x 1/4"	1.25	.87
MID28-195	1/2" x 3/8"	1.47	1.06
MID28-208	3/4" x 1/2"	1.69	1.37



### BRASS HEX NIPPLE

Part#	Thread Size NPTF	A	HEX
MID28-211	1/8" x 1/8"	.97	.43
MID28-212	1/4" x 1/4"	1.38	.56
MID28-213	3/8" x 3/8"	1.41	.68
MID28-214	1/2" x 1/2"	1.81	.87

# MARINE HOSE COMPONENTS

## BRASS HOSE FITTINGS



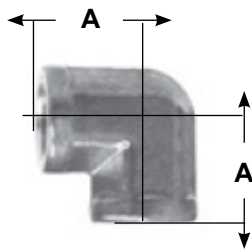
BRASS ELBOW

Part#	SIZE Inverted Flare x NPTF
MID12-061	5/16" x 1/8"
MID12-062	5/16" x 1/4"
MID12-063	3/8" x 1/8"
MID12-064	3/8" x 1/4"
AEQ400-66	3/8" x 3/8"
MID12-066	1/2" x 3/8"
MID12-067	1/2" x 1/2"
MID12-068	5/8" x 1/2"



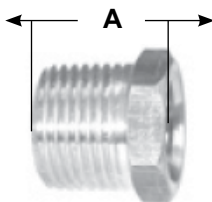
BRASS MALE ADAPTER

Part#	SIZE Inverted Flare x NPTF
MID12-043	1/4" x 1/8"
MID12-044	1/4" x 1/4"
MID12-045	5/16" x 1/8"
MID12-046	5/16" x 1/4"
MID12-047	3/8" x 1/8"
MID12-048	3/8" x 1/4"
MID12-050	1/2" x 3/8"
MID12-051	1/2" x 1/2"
MID12-052	5/8" x 1/2"



90° BRASS FORGED FEMALE ELBOW

Part#	Thread Size NPTF	A	BODY WIDTH
MID28-009	1/8"	.57	.50
MID28-010	1/4"	.70	.68



BRASS HEX BUSHING

Part#	Thread Size NPTF	A	HEX
MID28-102	1/4" x 1/8"	.75	.56
MID28-103	3/8" x 1/8"	.75	.68
MID28-104	3/8" x 1/4"	.75	.75
MID28-106	1/2" x 1/4"	1.00	.87
MID28-107	1/2" x 3/8"	1.00	.87
MID28-109L	3/4" x 1/4"	.94	1.06
MID28-111	3/4" x 1/2"	1.00	1.12



# MARINE HOSE COMPONENTS

## STAINLESS STEEL WORM DRIVE & T-BOLT CLAMPS



Ideal manufactures a broad line of Ideal and Tridon brand Stainless Steel standard worm drive and specialty hose clamps designed to satisfy a wide range of fastening applications, The wider band provides 12-1/2% more sealing surface area than conventional 1/2" bands



Part#	Diameter Range:		Type	Hose I.D.
345-004	7/32"	5/8"	Mini	1/4"
345-006	5/16"	7/8"	Mini	3/8"
350-005	7/16"	11/16"	Mini	3/8"
620-006	3/8"	7/8"	Regular	3/8"
620-008	7/16"	1"	Regular	1/2"
620-010	9/16"	1-1/16"	Regular	5/8"
620-012	9/16"	1-1/4"	Regular	3/4"
620-016	11/16"	1-1/2"	Regular	1"
620-020	3/4"	1-3/4"	Regular	1-1/4"
620-024	1-1/16"	2"	Regular	1-1/2"
620-028	1-5/16"	2-1/4"	Regular	1-3/4"
620-032	1-9/16"	2-1/2"	Regular	1-7/8"
620-036	1-13/16"	2-3/4"	Regular	2-1/8"
620-040	2-1/16"	3"	Regular	2-1/4"
620-044	2-5/16"	3-1/4"	Regular	2-1/2"
620-048	2-9/16"	3-1/2"	Regular	2-3/4"
620-052	2-13/16"	3-3/4"	Regular	3"
620-056	3-1/16"	4"	Regular	3-1/8"
620-060	3-1/4"	4-1/4"	Regular	3-1/2"
620-064	3-9/16"	4-1/2"	Regular	3-3/4"
620-072	4-1/16"	5"	Regular	4"
620-080	4-5/8"	5-1/2"	Regular	4-1/2"
620-088	4-3/32"	6"	Regular	5"
620-104	5"	7"	Regular	6"

EXHAUST HOSE CLAMPS T-BOLT BAND CLAMPS,  
 Band: 316 stainless steel, .025 thick by .75 wide, Hardware:  
 316 stainless steel, 1/4" bolt, nylon inset lock nut, Extra long  
 bolt for maximum adjustment, Torque to 75 inch pounds  
 maximum, Designed to fit Shields series 200, 201, 210, 250,  
 252, Exhaust Hose Clamp, Intake Hose Clamp - Any Below  
 Water Line Application, Works With Corrugated Exhaust  
 Hose, Full 360° Clamping Surface



Part#	Dia. Range	Hose I.D.
18-720-1000	1.20 - 1.37	1"
18-720-1120	1.64 - 2.02	1-1/2"
18-720-2000	2.31 - 2.69	2"
18-720-2120	2.68 - 3.34	2-1/2"
18-720-3000	3.10 - 3.76	3"
18-720-3120	3.59 - 4.25	3-1/2"
18-720-4000	4.18 - 4.84	4"
18-720-4180	4.25 - 4.95	4-1/8"
18-720-4120	4.75 - 5.41	4-1/2"
18-720-5000	5.30 - 5.96	5"
18-720-5120	5.75 - 6.41	5-1/2"
18-720-6000	6.38 - 7.04	6"
18-720-8000	8.42 - 9.08	8"
18-720-10000	10.45 - 11.11	10"
18-720-12000	12.38 - 13.04	12"