Polypropylene Non-Spill Chemical Transfer Couplings

The non-spill coupling virtually eliminate fluid loss upon disconnection and is designed to help meet the demand for closed system transfer and dispensing of chemicals with minimal environmental contamination. The push-to-connect design allows ease of connection/disconnection, and the flush valve enables ease of cleaning. They can be used with concentrated or diluted agricultural chemicals when transferring from bulk storage tanks, returnable containers, applicators, etc.



Materials:

- Body polypropylene
- Springs 316 stainless steel
- Seals chemical resistant fluorocarbon

Size	Pressure Ratings	Coupler Part #	Price/E	Nipple Part #	Price/E
1⁄2"	100 PSI at 68°F	PFC50	\$62.90	PFN50	\$30.00
1"	60 PSI at 68°F	PFC100	78.00	PFN100	55.00
2"	100PSI at 68°F	PFC200	197.05	PFN200	97.75

NEW Acetal Push-On Fittings

Construction:

- Material acetal copolymer
- O-ring nitrile rubber
- Three piece construction, body, collet and O-ring preassembled
- Collets are produced with stainless steel locking teeth

Working Pressure and Temperature Range:

- Temperature range: -20°F (-20°C) to 185°F (85°C)
- •

Maximum water pressure: 1/4" - 230 PSI; 3/8", 1/2" - 170 PSI

Advantages:

- FDA compliant and NSF 51 listed non toxic material
- Easy to install no tools required. Easy to disconnect and 0 reuse

Applications:

- Water conditioning, filtration, reverse osmosis, soft drink, beer and condiment dispensing equipment where no metal contamination can be present.
- Industrial applications include low pressure pneumatic, hydraulic and vacuum lines commonly used in packaging systems, robotics, machine tools, agricultural spraying, car and industrial wash systems and air logic systems.

Push-on Straight Unions NEW



	Tube to tube	
Tube O.D.	Acetal Part #	Price / Each
1/4"	462-4	\$2.55
3/8"	462-6	3.40
3/8" x 1/4"	462-64	3.45
1/2"	<i>462-8</i>	4.10
1/2" x 3/8"	462-86	4.70

Push-on Union Tees



Tube all ends					
Tube O.D.	Branch	Acetal Part #	Price / Each		
1/4" 3/8" 3/8" 1/2"	1/4" 3/8" 1/4" 1/2"	464-4 464-6 464-664 464-8	\$3.65 4.95 5.05 6.35		

Push-on Union Elbows

NEW



	Tube both ends	
Tube O.D.	Acetal Part #	Price / Each
1/4" 3/8" 3/8" x 1/4"	465-4 465-6 465-64	\$2.85 4.45 4.45

Push-on Female Adapters NEW



Tube to female NPT					
Tube O.D. Pipe Thread Acetal Part # Price / Ea					
1/4"	1/4"	466-4B	\$3.90		
3/8"	1/4"	466-6B	4.45		

Push-on	Male	Adapters	NEW	1
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Tube to male NPT					
Tube O.D.	Pipe Thread	Acetal Part #	Price / Each		
1/4"	1/8"	468-4A	\$2.45		
1/4"	1/4"	468-4B	2.60		
1/4"	3/8"	468-4C	2.75		
3/8"	1/8"	468-6A	3.70		
3/8"	1/4"	468-6B	2.75		
3/8"	3/8"	468-6C	3.15		
3/8"	1/2"	468-6D	4.85		
1/2"	3/8"	468-8C	4.30		
1/2"	1/2"	468-8D	4.65		



Push-on 360° Swivel Elbows NEW



Tube to male NPT					
Tube O.D.	Pipe Thread	Acetal Part #	Price		
1/4" 1/4" 3/8" 3/8"	1/8" 1/4" 1/4" 3/8"	469S-4A 469S-4B 469S-6B 469S-6C	\$4.60 4.85 5.25 7.00		

Clear PVC Tubing

Clear PVC Tubing is designed to be used with standard shank fittings.

Tubing sold only in lengths shown below.

Domestic					
Size	Length	Part #	Price	Working	
I.D. x O.D.	_0g		p/length	Pressure	
3/16" x 5/16"	100	CL0305	\$21.50	55	
1/4" x 3/8"	100	CL0406	24.25	45	
1/4" x 1/2"	100	CL0408	51.25	70	
5/16" x 7/16"	100	CL0507	28.00	45	
3/8" x 1/2"	100	CL0608	34.25	45	
3/8" x 5/8"	100	CL0610	66.00	55	
1/2" x 5/8"	100	CL0810	46.00	30	
1/2" x 3/4"	100	CL0812	77.00	50	
5/8" x 7/8"	100	CL1014	90.00	40	
3/4" x 1"	100	CL1216	103.00	40	
1" x 1-1/4"	100	CL1620	129.00	35	
1-1/4" x 1-3/4"	100	CL2028	355.00	40	
1-1/2" x 2"	50	CL2432	218.00	35	



Produced from FDA materials, but not FDA approved.

For non-critical hospital use such as suction and draining.

Recommended working pressure is at **72°F**

Maximum temperature: 135°F

Individually boxed

Importea					
Size I.D. x O.D.	Length	Part #	Price p/length	Working Pressure	
1/4" x 3/8"	100	ICL0406	\$15.50	50	
				35	
				35	
3/8" x 1/2"	100	ICL0608	20.00		
1/2" x 5/8"	100	ICL0810	26.00	50	
1/2" x 3/4"	100	ICL0812	55.00		
3/4" x 1"	100	ICL1216	61.00	35	
1" x 1-1/4"	100	ICL1620	79.00	30	
1-1/2" x 2"	50	ICL2432	169.00	15	

o uto d

Temperature range: 14°F to 149°F

Recommended working pressure is at 72°F

Shipped in bundles wrapped with PVC film

Clear Braid	ed PVC	Tubing
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Tubing sold only in lengths shown below.



Imported

Domestic					
Size I.D. x O.D.	Length	Part #	Price p/length	Working Pressure	
3/16" x 3/8"	300	BR0306~	\$125.00	250	
1/4" x 7/16"	300	BR0446	158.00	250	
5/16" x 17/32"	300	BR0553~	171.00	250	
3/8" x 5/8"	300	BR0609	195.00	225	
1/2" x 3/4"	300	BR0812	279.00	200	
5/8" x 7/8"	300	BR1014	340.00	200	
3/4" x 1-1/16"	300	BR1218	493.00	150	
1" x 1-5/16"	200	BR1621	428.00	125	
1-1/4" x 1-11/16"	100	BR2027	345.00	100	
1-1/2" x 1-15/16"	100	BR2431	416.00	100	

Produced from FDA materials, but not FDA approved

Recommended working pressure is at 72°F

· High grade tensile strength polyester yarn reinforcement

Temperature range: 27°F to 150°F

1¼" and 1½" is shipped coiled, other sizes shipped spooled.

Size I.D. x O.D.	Length	Part #	Price p/length	Working Pressure
1/4" x 1/2"	300	IBR0446	\$129.00	142
3/8" x 5/8"	300	IBR0609	165.00	114
1/2" x 3/4"	300	IBR0812	208.00	100
3/4" x 1-1/16"	300	IBR1218	406.00	71
1" x 1-5/16"	200	IBR1621	346.00	71
-				

• Temperature range: 14°F to 149°F

· For various machine tools and transportation of chemicals

Shipped in bundles wrapped with PVC film

- Leaves tube unaltered after cut
- Compact and lightweight

Maximum O.D. 9/16"



Part #	Price/E
TC97 TC97RB (repl. blade)	\$11.50 4.00

Tubing and Hose Cutters

Cuts low pressure fabric reinforced hose up to 1" O.D.



Cuts hose and tubing up to 2" O.D.; P.E. up to $1\frac{1}{2}"$ I.D.; PVC up to $1\frac{1}{4}"$ I.D. Stainless steel blade



-	
Part #	Price/E
LHC95	\$28.00
LHC95RB (repl. blade)	13.25

Dixon Valve & Coupling Co., Call 1-800-355-1991

Properties of Tuff-Lite Materials

Nylon fittings are generally acceptable for working pressures up to **150 PSI** at normal room temperatures. At very low pressures, temperatures can approach **175° F** with no degradation of the fittings strength. Nylon fittings should not be used with acid-based fertilizers, bromine, chlorine, fluorine, hydrochloric acid, iodine, nitric acid, phosphoric acid, sulfuric acid or xylene. Made with material approved by NSF and FDA. Nylon should not be used with compressed gas. Parts are white.

Polypropylene should not be used with aromatic hydrocarbons, carbon tetra-chloride, gasoline, hexane, kerosene, nitric acid, sodium hydrochlorite, toluene, trichloroethylene or xylene. Polypropylene should not be used with compressed gas. Parts are black.

						J			
		Nylon					Polypropylene		
Hose Size	NPT	Nylon Part #	Price/Ea	Pkg Qty	Hose Size	NPT	Polypropylene Part #	Price/Ea	Pkg Qty
1/4"	1/8" 1/4" 3/8" 1/2" 3/4"	TN21 TN22 TN23 TN24 TN26	\$.545 .560 .615 .680 .720	50 50 50 50 50	1/4"	1/8" 1/4" 3/8" 1/2" 3/4"	PPN21 PPN22 PPN23 PPN24 	\$.49 .48 .50 .57	50 50 50 50
	1"	TN28~	1.12	50		1"			
5/16"	1/4"	TN252	.570	50	5/16"	1/4"			
3/8"	1/8" 1/4" 3/8" 1/2" 3/4"	TN31 TN32 TN33 TN34 TN36	.645 .700 .735 .800 .865	50 50 50 50 50	3/8"	1/8" 1/4" 3/8" 1/2" 3/4"	PPN31~ PPN32 PPN33 PPN34 PPN36	.49 .48 .46 .61 .70	50 50 50 50 50
1/2"	1/8" 1/4" 3/8" 1/2"	TN41~ TN42 TN43 TN44	.575 .610 .635 .720	50 50 50 50	1/2"	1/8" 1/4" 3/8" 1/2"	 PPN42 PPN43 PPN44	 .50 .57 .64	 50 50 50
1/2"	3/4"	TN46	.820	50	1/2"	3/4"	PPN46	.70	50
5/8"	3/8" 1/2" 3/4"	TN53 TN54 TN56	.680 .760 .885	50 50 50	5/8"	3/8" 1/2" 3/4"	 PPN54 PPN56	 .60 .80	 50 50
3/4"	3/8" 1/2" 3/4" 1"	TN63 TN64 TN66 TN68	.670 .860 .945 1.100	50 50 50 25	3/4"	3/8" 1/2" 3/4" 1"	 PPN64 PPN66 PPN68	 .67 .71 1.00	 50 50 25
1"	3/4" 1"	TN86 TN88	1.030 1.250	25 25	1"	3/4" 1"	PPN86 PPN88	.96 1.04	25 25
1-1/4"	1" 1-1/4" 1-1/2"	TN158 TN150 TN1520	1.890 3.020 3.190	15 10 10	1-1/4"	1" 1-1/4" 1-1/2"	 PPN150 	2.25	 10
1-1/2"	1-1/4" 1-1/2"	TN2015 TN200	2.860	10 10 10	1-1/2"	1-1/4" 1-1/2"	 PPN200	 2.60	 10
2"	2"	TN250	4.350	5	2"	2"	PPN250	3.50	5

Tuff-Lite Inserts

Tuff-Lite Female Inserts

Ball	Seat Hose Insert x	Female NPS	
Hose Size	NPS Size	Nylon Part #	Price / Ea
1/4" 3/8"	1/4" 3/8"	TF22 TF33	\$.765 .855

Parts showing package quantities sold in package quantities only.

F

NEW Tuff-Lite Barbed Fittings

Nylon

	Female NP	Г x Hose Barb	
Hose	Female	Nylon	Price/Ea
Size	NPT	Part #	
1/4"	1/4"	TFS22	\$1.85
3/8"	1/2"	TFS42	2.00
1/2"	1/2"	TFS44	1.30
3/4"	3/4"	TFS66	2.05

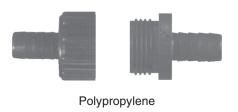
Tuff-Lite Short Shank Couplings



Nylon

		Fen	nale *		Male		
Hose Size	Thread	Nylon Part #	Price/Ea	Nylon Part #	Price/Ea	Pkg Qty	
1/4" 3/8" 1/2" 5/8" 3/4"	3/4" NPSM 3/4" NPSM 3/4" NPSM 3/4" NPSM 3/4" NPSM	TCF62 TCF63 TCF64 TCF65 TCF66	\$1.24 1.23 1.28 1.31 1.29	TN26 TN36 TN46 TN56 TN66	\$.720 .865 .820 .885 .945	50 50 50 50 50	
1/4" 3/8" 1/2" 5/8" 3/4"	3/4" GHT 3/4" GHT 3/4" GHT 3/4" GHT 3/4" GHT	TCF72 TCF73 TCF74 TCF75 TCF76	\$1.48 1.49 1.52 1.54 1.54	TCM72 TCM73 TCM74 TCM75 TCM76	\$.765 .765 .840 .850 .840	 	

* Female shipped with gasket



		Fema	ale *	Male		
Hose Size	Thread	Poly. Part #	Price/Ea	Poly. Part #	Price/Ea	
1/4"	3/4" GHT	PPCF72	\$1.11			
3/8"	3/4" GHT	PPCF73	1.10	PPCM73	\$.71	
1/2"	3/4" GHT	PPCF74	1.11	PPCM74	.72	
5/8"	3/4" GHT	PPCF75	1.16	PPCM75	.75	
3/4"	3/4" GHT	PPCF76	1.17	PPCM76	.86	

* Female shipped with gasket

Parts showing package quantities sold in package quantities only.

Tuff-Lite Adapters, Bushings and Couplers





Male	NPT x Female NF	PT Reducing Bush	nings	Female NPT Couplers			
Male NPT	Female NPT	Nylon Part #	Price/Ea	Female NPT	Nylon Part #	Price/Ea	
3/8" 1/2" 1/2" 3/4" 1"	1/4" 1/4" 3/8" 1/2" 3/4"	THB32 THB42 THB43 THB64 THB86	\$.95 .95 .90 1.00 1.75	1/2" 3/4"	TA994 TA996	\$2.40 2.45	



Nylon

Male GHT x Female NPT Adapters



Nylon

Female GHT x Male NPT Adapters

NPT	Nylon Part #	Price/Ea	Pkg Qty	Poly. Part #	Price/Ea	Pkg Qty	NPT	Nylon Part #	Price/Ea	Pkg Qty
1/4"	TA792	\$1.18	50	PPA792~	\$1.98	50	1/4"	TA972	\$1.20	50
3/8"	TA793	1.23	50				3/8"	TA973	1.23	50
1/2"	TA794	1.25	50	PPA794	1.85	50	1/2"	TA974	1.26	50
3/4"	TA796	1.27	50	PPA796~	2.10	25	3/4"	TA976	1.23	50



Nylon

Male GHT x Male NPT Adap Pkg

Qty

50

50

50

50

25

Price/Ea

\$.770

.820

.900

.925

1.28

Nylon

Part #

TA772

TA773

TA774

TA776

TA778

NPT

1/4"

3/8"

1/2"

3/4"

1"



PT Adapters	5		Male NPT x Female Swivel Adapters *					
Poly. Part #	Price/Ea	Pkg Qty	NPT	Swivel	Nylon Part #	Price/Ea		
			1/4"	3/4" GHT	TSA72	\$1.43		
PPA773~	\$.75	50	3/8"	3/4" GHT	TSA73	1.43		
PPA774	.79	50	1/4"	3/4" NPS	TSA62	1.40		
PPA776	.80	50	3/8"	3/4" NPS	TSA63	1.43		
			* Shipped with g	gasket				



Tuff-Lite Elbows

N	Ew	Fe		-		Elbows		/S			
						Hose Size	Female	e		lon rt #	Price/Ea
						1/2"	1/2"			S44	\$1.10
						1/2"	3/4"			S64	1.15
						3/4"	3/4"		TLF	S66	1.40
		Nylon									
N	Ew			Stre	et El	bows					
						Female	Male		Ny	lon	Drice/Ec
						NPT	NPT			rt #	Price/Ea
						1/4"	1/4"			E22	\$1.75
						1/2" 3/4"	1/2" 3/4"		TSI TSI		2.10 2.60
		Nylon				0/1	0/-		101	-00	2.00
			н	ose x	Hose	Elbow	-				
						Hose Size	-	Part #	_	ce / Each	Pkg Qty
						1/4" 2/9"		SS22		\$.970	50
						3/8" 1/2"		SS33 SS44		.985 1.11	50 50
						3/4"		SS66		1.17	50
						Hose Size	e Polypr	opylene F	Part #	Price/Ea	Pkg Qt
	Nylon		Polyprop	vlene		1/4"		PPLSS22		\$.94	50
	NyIOII		i oiypiop	yiene		3/8"		PPLSS33		1.00	50
						1/2" 3/4"		PPLSS44 PPLSS66		.99 1.32	50 50
				GHT 2	x Ma	le NPT					
						Male NPT	Nvlon	Part #	Prio	ce / Each	Pkg Qt
						3/8"		T73		\$1.36	50
						1/2"	TL	T74		1.21	50
		Nylon				3/4"	TL	T76		1.40	25
		NyIOII	Но	se Bai	rb x	Male N	PT				
					Nylon				1		
lose Size	Male NPT	Nylon Part #	Price/Ea	Pkg Qty		Hose Size	Male NPT	Nylon Pa		Price/Ea	Pkg Qty
	1/8" 1/4"	TLS21 TLS22	\$.675 .745	50 50			3/8" 1/2"	TLS5 TLS5		\$1.12 1.20	25 25
1/4"	3/8"	TLS22 TLS23	.745	50		5/8"	3/4"	TLS5		1.20	25 25
1/4"	1/8"	TLS31	.710	50			1"	TLS5		1.35	25
1/4"	., e	TLS32	.745	50			3/8"	TLS6		1.35	25
	1/4"			50			1/2"	TLS6		1.27	25
1/4"	1/4" 3/8"	TLS33	.097					TICC		1 95	
	1/4" 3/8" 1/2"	TLS33 TLS34	1.12	50		3/4"	3/4"	TLS6		1.35	25
	1/4" 3/8" 1/2" 3/4"	TLS33 TLS34 TLS36	1.12 1.20	50 50		3/4"	1"	TLS6	8	1.41	15
3/8"	1/4" 3/8" 1/2" 3/4" 1/4"	TLS33 TLS34 TLS36 TLS42	1.12 1.20 .097	50 50 50			1" 3/4"	TLS6 TLS8	8 6	1.41 1.35	15 15
	1/4" 3/8" 1/2" 3/4"	TLS33 TLS34 TLS36	1.12 1.20	50 50		1"	1" <u>3/4"</u> 1"	TLS6 TLS8 TLS8	8 6 8	1.41 1.35 2.15	15 15 15
3/8"	1/4" 3/8" 1/2" 3/4" 1/4" 3/8"	TLS33 TLS34 TLS36 TLS42 TLS43	1.12 1.20 .097 .097	50 50 50 50		1"	1" 3/4" 1" showing pac	TLS6 TLS8 TLS8	8 6 8 ntities :	1.41 1.35 2.15	15 15 15

Tuff-Lite Tees

Hose x Hose

Hose x Male NPT



Nylon					Nylon			
Hose Size	Male Thread NPT	Nylon Part #	Price/Ea	Pkg Qty	Hose Size	Nylon Part #	Price/Ea	Pkg Qty
1/4" x 1/4" 3/8" x 3/8" 1/2" x 1/2" 3/4" x 3/4"	1/4" 3/8" 1/2" 3/4"	TSST222 TSST333 TSST444 TSST666	\$1.01 1.11 1.26 1.37	50 50 50 25	1/4" x 1/4" x 1/4" 3/8" x 3/8" x 3/8" 1/2" x 1/2" x 1/2" 3/4" x 3/4" x 3/4"	TSSS222 TSSS333 TSSS444 TSSS666	\$.970 .985 1.11 1.17	50 50 50 25

Tuff-Lite Nipples, Caps and Drain Plugs

Hex Center Close Nipples

Nylon Pkg NPT Price / Each Part # Qty TCN202 1/4" \$.595 50 3/8" TCN303~ .650 50 1/2" **TCN404** .740 50 Nylon 3/4" **TCN606** .885 50

			٦	Thread	l Caps	
Thread	Size	Nylon Part #	Price / Each	Pkg Qty		
NPT	1/4"	TTC2	\$.375	50		
NPT	3/8"	TTC3	.450	50		
NPT	1/2"	TTC4	.565	50		
NPT	3/4"	TTC6	.645	50		Nylon
GHT	3/4"	TTC7	.645	50		. yion

Square Head Drain Plugs

NPT	Nylon Part #	Price / Each	Pkg Qty	
1/8"	TPS1	\$.425	50	
1/4"	TPS2	.450	50	
3/8"	TPS3	.540	50	
1/2"	TPS4	.605	50	
3/4"	TPS6	.715	50	Ν
1"	TPS8	.895	50	
1-1/4"	TPS10	1.33	25	

Hex Head Drain Plugs

NPT	Nylon Part #	Price / Each	Pkg Qty
1/8"	TPX1	\$.515	50
1/4"	TPX2	.540	50
3/8"	ТРХЗ	.575	50
1/2"	TPX4	.655	50
3/4"	TPX6	.765	50
1"	TPX8	.950	50
1-1/4"	TPX10~	1.24	50

Parts showing package quantities sold in package quantities only.

Tuff-Lite Nylon and Polypropylene Menders

10.	
Nylon	

Hose Size	Nylon Part #	Price	Pkg Qty	Poly Part #	Price	Pkg Qty
1/4"	TM2	\$.515	50	PPM2	\$.47	50
5/16"	TM25	.555	50			
3/8"	ТМЗ	.595	50	PPM3	.48	50
1/2"	TM4	.785	50	PPM4	.63	50
5/8"	TM5	1.22	50	PPM5	.67	50
3/4"	TM6	1.22	50	PPM6	.89	50
1"	TM8	1.49	25	PPM8	1.06	50

Washers for Garden Hose Fittings

\bigcap		Description	Part #	Price	Pkg Qty
		Red Vinyl White Rubber	TVW7 TRW7	\$.04 .17	100 100
Red Vinyl	White Rubber				100

Tuff-Lite Push-On Inserts and Menders

No clamps are needed when these fittings are used with push-on hose.

Female NPT Push-On Inserts



Hose Size	NPT	Nylon Part #	Price	Pkg Qty	Poly Part #	Price	Pkg Qty
1/4"	1/4"	TPF22	\$.815	50	PPPF22~	\$2.45	50
3/8"	1/4"	TPF32	1.00	50			
0,0	3/8"	TPF33	1.00	50			
1/0"	3/8"	TPF43	.935	50			
1/2"	1/2"	TPF44	1.05	50	PPPF44~	2.25	50

Male NPT Push-On Inserts



Nylon

Hose Size	NPT	Nylon Part #	Price	Pkg Qty
1/4"	1/8"	TPN21	\$.560	50
	1/4"	TPN22	.580	50
	3/8"	TPN23	.620	50
3/8"	1/4"	TPN32	.590	50
	3/8"	TPN33	.635	50
	1/2"	TPN34	.740	50
1/2"	3/8"	TPN43	.875	50
	1/2"	TPN44	.875	50
	3/4"	TPN46~	.875	50

Push-On Hose Menders

	Hose Size	Nylon Part #	Price	Pkg Qty
	1/4"	TPM2	\$.520	50
Nylon	3/8"	TPM3	.575	50
Nyion	1/2"	TPM4	.690	50

Parts showing package quantities sold in package quantities only.