

Custom Solutions

LinkTech is committed to our customers and helps them by offering custom designed and manufactured couplings. LinkTech has developed hundreds of custom connection solutions for challenging applications. Our engineering staff is ready to work with your designers to solve application problems beyond the scope of our standard product offering. Whether it is a simple o-ring, color change, or a completely new and unique design, LinkTech offers its customers the best possible solution at the lowest possible cost.

LinkTech Custom Designs Include:

- Non-standard coupling materials
- Multi-port couplings
- Custom end terminations
- Application specific O-rings
- Molded color couplings
- Unique packaging



Molded & Dyed color couplings available upon request



Technical

PART NUMBER GUIDE

Flow Size / Latch Type	Material	Valve	Config.	O-ring (std Buna-N)	Type	Connection Size	Part Options
10 = 1/16" Flow (Twist Lock)	AC = Acetal AL = Aluminum	V = Valved (default is non-valved) X = No Valve (in Valved Body)	S = Socket P = Plug	B = Buna-N (NSF/Food Grade) V = Viton	1 = In Line MNPT 2 = In Line Hose Barb 3 = Panel Mount H.B. 4 = Elbow H.B. 5 = Single Barb H.B. 6 = End Stop 7 = Elbow, Single H.B. 8 = Panel Mount PTF 9 = In Line PTF 10 = Elbow PTF 12 = Panel Mount Male Thread 13 = In Line Female Thread 16 = Elbow MNPT 17 = Push In Term In-line 18 = Push In Term Panel Mt. 19 = Panel Mount Female Thread 20 = Anti Rotate PM Plug H.B. 21 = Anti Rotate PM Plug PTF 22 = Panel Mount H.B. Elbow	01 = 1/16" 02 = 1/8" 03 = 3/16" 04 = 1/4" 05 = 5/16" 06 = 3/8" 08 = 1/2" 10 = 5/8" 12 = 3/4" 16 = 1"	NL = No Latch NN = No Nuts NLN = No Latch/Nuts XL = No O-ring Lube XX = No End Termination
20 = 1/8" Flow (Metal Latch)	CB = Chrome Plated Brass NB = Nickel Plated Brass						
40 = 1/4" Flow (Metal Latch)	RB = Raw Brass GP = Glass Filled Polypro.			E = Peroxide Cured EPDM F = Food Grade EPDM			
42 = 3/32" Flow (Dual Tube Metal Latch)	PP = Polypropylene AB = ABS			S = Silicone K = Kalrez			
50 = 1/4" Flow (Plastic Latch)	PS = Polysulfone RD = Radel						
50B = 1/4" Flow (Breakaway Latch)							
60 = 3/8" Flow (Plastic Latch)							
65 = 1/2" Free Flow (Plastic Latch)							

STERILIZATION & DISINFECTANT COMPATIBILITY

Material	Formalin	Isopropyl Alcohol	Ethyl Alcohol	Ethylene Oxide	Autoclave	E-Beam (50 Kilograys)	Gamma 5 (50 Kilograys)	Dry Heat (250 F)
Acetal	Y	Y	Y	Y	Y	N	N	N
ABS	N	N/A	Y	Y	N	Y	Y	N
Polypropylene	Y	Y	Y	Y	N	Y	Y	N
Polysulfone	Y	Y	Y	Y	Y	Y	Y	Y
Glass Filled Polypro.	Y	Y	Y	Y	N	N	N	N
Chrome/Brass	N	Y	Y	Y	Y	Y	Y	Y
Buna-N/Nitrile	Y	Y	Y	N	N	Y	Y	Y
EPR/EPDM	Y	Y	Y	Y	Y	Y	Y	Y
Viton/FKM	Y	Y	Y	N	N	N	N	Y
Silicon	Y	Y	Y	Y	Y	Y	Y	Y
Kalrez	Y	Y	Y	Y	Y	N	N	Y

Key: Y = Excellent, recommended, N = Not recommended, N/A = Not applicable

Sterilization Methods:

Disinfectants: Sterilized coupled or uncoupled at 70°F (20°C)

Ethylene Oxide, EtO: Sterilized coupled or uncoupled, up to 5 repetitions, four hours max, 100% EtO at 110°F (43°C)

Autoclave: Sterilize uncoupled only, 30 min. max, 10 repetitions max, 250°F (121°C) max.

Electron Beam (E-Beam): Sterilize coupled or uncoupled, 50 kilograys max cumulative exposure.

GAMMA: Sterilize coupled or uncoupled, 50 kilograys max cumulative exposure.

Dry Heat: Sterilize uncoupled only, 250°F (121°C) 12 hours max.

Regulatory Approvals

The F.D.A. publishes, through the Code of Federal Regulations, standardized criteria which govern the acceptability of materials used in food contact. The U.S. Department of Agriculture publishes similar standards that mirror F.D.A. criteria. Neither agency approves or disapproves products.

With the exception of the 50GP and 65GP Series products, most LinkTech couplings comply with applicable F.D.A and U.S.D.A.

NSF Compliance

NSF International develops and publishes consensual criteria that govern the acceptability of materials and equipment used in food and beverage processing.

With the exception of the 50GP and 65GP Series products, most LinkTech couplings are produced from materials that comply with most NSF standards for potable water and food stuff.

Questions?

If you have any questions at all concerning our products, compliance and specs, please feel free to call us at 805-339-0055 or visit our website.

Solid model files available for easy download.



Technical

CHEMICAL COMPATIBILITY											
Chemical	Polymers				Metals		Elastomers				
	Acetal	ABS	Polypropylene	Polysulfone	Chrome Plated Brass	Aluminum	Buna-N (Nitril)	EPR/EPDM	Fluorocarbon (Viton)	Silicon	KALREZ
Acetic Acid	D	C	B	A	D	B	D	A	D	B	A
Acetone	A	D	A	A	A	A	D	A	D	C	A
Air	A	A	A	A	A	A	A	A	A	A	A
Ammonia Anhydrous	D	B	A	C	A	A	B	A	D	C	A
Benzene	A	D	D	D	N/A	B	D	D	A	D	A
Carbon Dioxide	A	B	A	N/A	A	B	A	B	B	B	A
Chlorine Water	D	A	D	D	D	D	D	C	A	D	N/A
Ethanol (Ethyl Alcohol)	A	A	A	A	A	B	A	A	A	A	A
Ethylene Glycol	B	A	A	A	A	A	A	A	A	A	A
Gasoline, Unleaded	A	D	C	A	A	A	B	D	A	D	A
Hydrochloric Acid	C	C	B	A	D	D	D	C	A	D	A
Hydrofluoric Acid	D	C	C	A	D	D	D	D	B	D	A
Isopropyl Alcohol	A	A	A	A	B	B	B	B	B	A	A
Methyl Ethyl Ketone (MEK)	C	D	B	D	A	B	D	A	D	D	A
Methanol	A	D	A	A	A	A	A	A	D	A	A
Oxygen	A	B	A	A	A	A	B	A	A	A	A
Ozone	C	B	B	A	N/A	B	D	A	A	A	A
Sodium Hypochlorite	D	N/A	B	A	D	D	C	B	A	B	A
Steam	C	N/A	N/A	N/A	A	B				C	A
Sulfuric Acid, Air Free	N/A	B	C	B	C	D	D	D	A	D	A
Toluene	C	D	C	C	A	A	D	D	C	D	A
Trichloroethylene	D	D	C	C	B	D	D	D	A	D	B
Water, Fresh	A	A	A	A	C	B	A	A	B	A	A

Key: A = Excellent - no effect, B = Good - little or no effect, C = Fair - some effect, D = Not recommended, N/A = Not available.

Chemical Compatibility

Chemicals can affect the strength, appearance, color, dimensions, and weight of plastics. Because many factors affect the chemical resistance of a given material it is the customer's responsibility to test LinkTech's couplings in their own application conditions. Please Contact LinkTech for further assistance with your application needs.

COUPLING PERFORMANCE RATINGS					
Series	Coupling Material	O-ring Material	Pressure Rating	Temp. Rating	
10AC 1/16" Flow	Acetal	Buna-N	Vacuum to 100psi	-40°F to 180°F	
10PP 1/16" Flow	Polypropylene	EPDM	Vacuum to 100psi	32°F to 180°F	
20AC 1/8" Flow	Acetal	Buna-N	Vacuum to 120psi	-40°F to 180°F	
20PP 1/8" Flow	Polypropylene	EPDM	Vacuum to 120psi	32°F to 160°F	
20CB 1/8" Flow	Chrome/Brass	Buna-N	Vacuum to 250psi	-40°F to 180°F	
40AC 1/4" Flow	Acetal	Buna-N	Vacuum to 120psi	-40°F to 180°F	
40PP 1/4" Flow	Polypropylene	EPDM	Vacuum to 120psi	32°F to 160°F	
40CB 1/4" Flow	Chrome/Brass	Buna-N	Vacuum to 250psi	-40°F to 180°F	
42AB 3/32" Flow	ABS	Buna-N	Vacuum to 120psi	-40°F to 180°F	
50AC 1/4" Flow	Acetal	Buna-N	Vacuum to 120psi	-40°F to 180°F	
50PP 1/4" Flow	Polypropylene	EPDM	Vacuum to 100psi	32°F to 160°F	
50BAC 1/4" Flow	Acetal	Buna-N	0psi to 20psi	-40°F to 180°F	
50GP 1/4" Flow	Glass Filled Polypropylene	EPDM	Vacuum to 120psi	32°F to 180°F	
60PP 3/8" Flow	Polypropylene	EPDM	Vacuum to 60psi	32°F to 160°F	
60PS 3/8" Flow	Polysulfone	EPDM	Vacuum to 125psi	-40°F to 280°F	
65GP 1/2" Flow	Glass Filled Polypropylene	EPDM	Vacuum to 120psi	32°F to 180°F	