

Cam-Operated Couplings

Plastic Cam-Operated Couplings



ESOP Employee Owned
for Your Benefit

Fluid Transfer Specialists®

Plastic Cam Operated Couplings



NYLON (Glass Fiber Reinforced)

- High impact strength at much lighter weight than metal counterparts
- Corrosion resistant
- Will not easily cross thread or seize on mating threads
- Electrically non-conductive
- Resistant to most hydrocarbons, solvents, mild acids, and agricultural chemicals
- Made to MIL-C-27487 dimensions — fully interchangeable with other materials made to the same standards

POLYPROPYLENE (Glass Fiber Reinforced)

- Similar properties to nylon (above) yet more resistant to most acids than nylon couplings
- Made to MIL-C-27487 dimensions

PVDF

- Highly acid resistant
- Withstands higher temperatures than other coupling materials
- Non-flammable and self-extinguishing
- UV stable
- Made from FDA ingredients
- May be sterilized using autoclave, ethylene oxide, or gamma radiation
- Made to MIL-C-27487 dimensions



Made in U.S.A.

POLYPROPYLENE (Food Grade)

- Excellent resistance to most acids, alkalis, salts, and alcohols
- Resists animal, vegetable, and mineral oils
- May be sterilized with gamma radiation up to 6 mega rads (discoloration may occur)
- Made to MIL-C-27487 dimensions

Notes

NYLON

Material: Glass-fiber reinforced nylon — yellow in color

Standard Gasket:	EPDM	
Handle:	304L Stainless Steel	
Pin:	302 Stainless Steel	
Temperature Range:	-30°F to 200°F**	
Working Pressure**:	1/4" thru 1"	175 psi
	1-1/4" thru 2"	150 psi
	3"	100 psi
	4"	50 psi

POLYPROPYLENE (PP)

Material: Glass-fiber reinforced polypropylene — black in color

Standard Gasket:	EPDM	
Handle:	304L Stainless Steel	
Pin:	302 Stainless Steel	
Temperature Range:	10°F to 180°F**	
Working Pressure**:	1/2" thru 1"	125 psi
	1-1/4" thru 2"	100 psi
	3"	75 psi

FDA PVDF

Material: FDA grade PVDF — natural translucent in color

Standard Gasket:	EPDM	
Handle:	304L Stainless Steel	
Pin:	302 Stainless Steel	
Temperature Range:	-20°F to 300°F**	
Working Pressure**:	1/4" thru 1"	125 psi
	1-1/4" thru 2"	100 psi
	3"	75 psi

FDA POLYPROPYLENE (FDA PP)

Material: FDA grade polypropylene — white in color

Standard Gasket:	EPDM	
Handle:	304L Stainless Steel	
Pin:	302 Stainless Steel	
Temperature Range:	10°F to 180°F**	
Working Pressure**:	3/4" and 1"	125 psi
	1-1/4" thru 2"	100 psi
	3"	50 psi

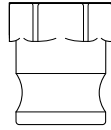
CAM OPERATED COUPLINGS are available with BSPT (metric) threads through minimum order.

**Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application. Clamps must be used in higher pressure applications; testing recommended.

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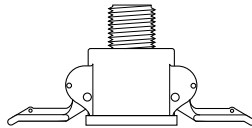
■ Note that sizes are listed first due to the variety of materials offered

Type A – Adapter x FNPT



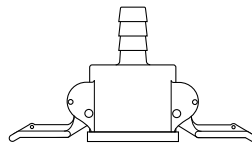
SIZE (IN.)	PART NO. NYLON	PART NO. PP	PART NO. FDA PVDF	PART NO. FDA PP
1/4			565 0050	
3/8	560 0049*		565 0064	
1/2	560 0077	561 0052	565 0078	
3/4	560 0105	561 0080*	565 0092	562 0083
1	560 0133	561 0108	565 0120	562 0111
1-1/4	560 0161*	561 0136*		
1-1/2	560 0189	561 0164	565 0176	562 0167
2	560 0217	561 0192	565 0204	562 0195
3	560 0245	561 0220	565 0232	562 0223
4	560 0273			

Type B – Coupler x MNPT



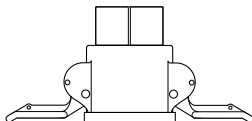
SIZE (IN.)	PART NO. NYLON	PART NO. PP	PART NO. FDA PVDF	PART NO. FDA PP
1/2	560 0385	561 0388	565 0386	
3/4	560 0413	561 0416	565 0400	562 0391
1	560 0441	561 0444	565 0428	562 0419
1-1/4	560 0469*	561 0472*		
1-1/2	560 0497	561 0500	565 0484	562 0475
2	560 0525	561 0528	565 0512	562 0503
3	560 0553	561 0556	565 0540	562 0531
4	560 0581			

Type C – Coupler x Hose Barb



SIZE (IN.)	PART NO. NYLON	PART NO. PP	PART NO. FDA PVDF	PART NO. FDA PP
1/2	560 0749	561 0724	565 0750	
5/8	560 0777			
3/4	560 0805	561 0752	565 0764	562 0755
1	560 0833	561 0780	565 0792	562 0783
1-1/4	560 0861*	561 0808*		
1-1/2	560 0889	561 0836	565 0848	562 0839
2	560 0917	561 0864	565 0876	562 0867
3	560 0945	561 0892	565 0904	562 0895
4	560 0973			

Type D – Coupler x FNPT



SIZE (IN.)	PART NO. NYLON	PART NO. PP	PART NO. FDA PVDF	PART NO. FDA PP
1/4			565 1142	
3/8	560 1169*		565 1156	
1/2	560 1197	561 1088	565 1170	
3/4	560 1225	561 1116	565 1184	562 1175
1	560 1253	561 1144	565 1212	562 1203
1-1/4	560 1281*	561 1172*		
1-1/2	560 1309	561 1200	565 1268	562 1259
2	560 1337	561 1228	565 1296	562 1287
3	560 1365	561 1256	565 1324	562 1315
4	560 1393			

On 1/4", 3/8", 1/2", and 5/8" sizes, the coupler and adapter portion is made to the 3/4" standard, therefore these sizes will mate together.

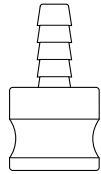
On the 1-1/4" size, the coupler and adapter portion is made to the 1-1/2" standard, therefore these sizes will mate together.

*Limited stock availability; lead times and minimums may apply — call for details.

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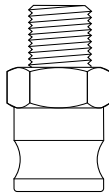
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Type E – Adapter x Hose Barb



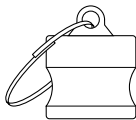
SIZE (IN.)	PART NO. NYLON	PART NO. PP	PART NO. FDA PVDF	PART NO. FDA PP
1/2	560 1561	561 1424	565 1590	
5/8	560 1589			
3/4	560 1617	561 1452	565 1604	562 1595
1	560 1645	561 1480	565 1632	562 1623
1-1/4	560 1673*	561 1508*		
1-1/2	560 1701	561 1536	565 1688	562 1679
2	560 1729	561 1564	565 1716	562 1707
3	560 1757*	561 1592*	565 1744	562 1735
4	560 1785			

Type F – Adapter x MNPT



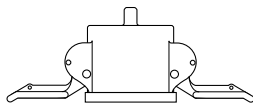
SIZE (IN.)	PART NO. NYLON	PART NO. PP	PART NO. FDA PVDF	PART NO. FDA PP
1/2	560 1953	561 1760	565 1954	
3/4	560 1981	561 1788	565 1968	562 1959
1	560 2009	561 1816	565 1996	562 1987
1-1/4	560 2037*	561 1844*		
1-1/2	560 2065	561 1872	565 2052	562 2043
2	560 2093	561 1900	565 2080	562 2071
3	560 2121	561 1928	565 2108	562 2099
4	560 2149			

Type DP – Plug



SIZE (IN.)	PART NO. NYLON	PART NO. PP	PART NO. FDA PVDF	PART NO. FDA PP
3/4	560 2989*	561 3160	565 2920	562 2911
1	560 3017*	561 3188	565 2948	562 2939
1-1/2	560 3045*	561 3216	565 2976	562 2967
2	560 3073*	561 3244	565 3004	562 2995
3	560 3101*	561 3272	565 3032	562 3023
4	560 3129*			

Type DC – Cap



SIZE (IN.)	PART NO. NYLON	PART NO. PP	PART NO. FDA PVDF	PART NO. FDA PP
3/4	560 2681*	561 2488	565 2612	562 2603
1	560 2709*	561 2516	565 2640	562 2631
1-1/2	560 2737*	561 2544	565 2668	562 2659
2	560 2765*	561 2572	565 2696	562 2687
3	560 2793*	561 2600	565 2724	562 2715
4	560 2821*			

On 1/4", 3/8", 1/2", and 5/8" sizes, the coupler and adapter portion is made to the 3/4" standard, therefore these sizes will mate together.

On the 1-1/4" size, the coupler and adapter portion is made to the 1-1/2" standard, therefore these sizes will mate together.

*Limited stock availability; lead times and minimums may apply — call for details.

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