

# Cam-Operated Couplings

Plastic Cam-Operated Couplings



**ESOP** Employee Owned  
for Your Benefit

Fluid Transfer Specialists®

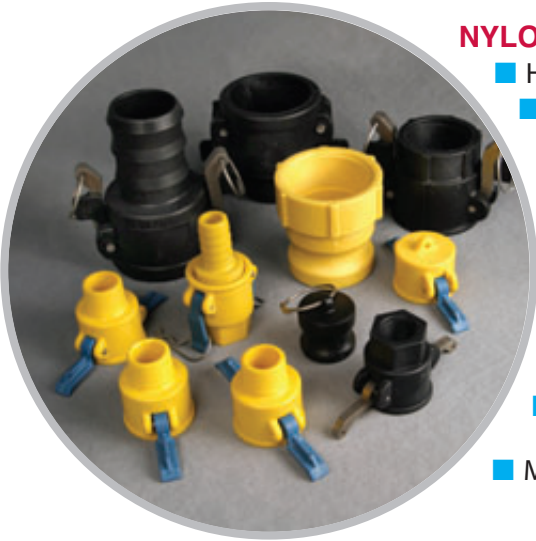
## Plastic Cam Operated Couplings

### 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



Made in U.S.A.

### 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**: | 1/2" 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 |

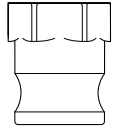
CAM OPERATED COUPLINGS are available with BSPT (metric) threads through minimum order.

\*\*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.

## Plastic Cam Operated Couplings

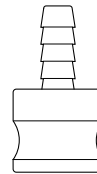
■ Note that sizes are listed first due to the two materials offered.

### Type A – Adapter x FNPT



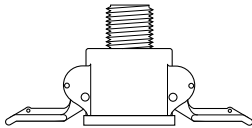
| SIZE (IN.) | PART NO. NYLON | PART NO. PP |
|------------|----------------|-------------|
| 1/2        | 560 0077       | 561 0052    |
| 3/4        | 560 0105       | 561 0080*   |
| 1          | 560 0133       | 561 0108    |
| 1-1/4      | 560 0161*      | 561 0136*   |
| 1-1/2      | 560 0189       | 561 0164    |
| 2          | 560 0217       | 561 0192    |
| 3          | 560 0245       | 561 0220    |
| 4          | 560 0273       |             |

### Type E – Adapter x Hose Barb



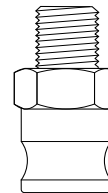
| SIZE (IN.) | PART NO. NYLON | PART NO. PP |
|------------|----------------|-------------|
| 1/2        | 560 1561       | 561 1424    |
| 5/8        | 560 1589       |             |
| 3/4        | 560 1617       | 561 1452    |
| 1          | 560 1645       | 561 1480    |
| 1-1/4      | 560 1673*      | 561 1508*   |
| 1-1/2      | 560 1701       | 561 1536    |
| 2          | 560 1729       | 561 1564    |
| 3          | 560 1757*      | 561 1592*   |
| 4          | 560 1785       |             |

### Type B – Coupler x MNPT



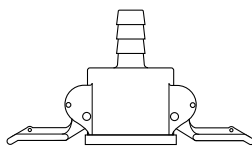
| SIZE (IN.) | PART NO. NYLON | PART NO. PP |
|------------|----------------|-------------|
| 1/2        | 560 0385       | 561 0388    |
| 3/4        | 560 0413       | 561 0416    |
| 1          | 560 0441       | 561 0444    |
| 1-1/4      | 560 0469*      | 561 0472*   |
| 1-1/2      | 560 0497       | 561 0500    |
| 2          | 560 0525       | 561 0528    |
| 3          | 560 0553       | 561 0556    |
| 4          | 560 0581       |             |

### Type F – Adapter x MNPT



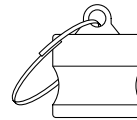
| SIZE (IN.) | PART NO. NYLON | PART NO. PP |
|------------|----------------|-------------|
| 1/2        | 560 1953       | 561 1760    |
| 3/4        | 560 1981       | 561 1788    |
| 1          | 560 2009       | 561 1816    |
| 1-1/4      | 560 2037*      | 561 1844*   |
| 1-1/2      | 560 2065       | 561 1872    |
| 2          | 560 2093       | 561 1900    |
| 3          | 560 2121       | 561 1928    |
| 4          | 560 2149       |             |

### Type C – Coupler x Hose Barb



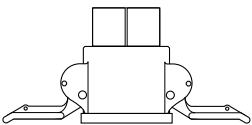
| SIZE (IN.) | PART NO. NYLON | PART NO. PP |
|------------|----------------|-------------|
| 1/2        | 560 0749       | 561 0724    |
| 5/8        | 560 0777       |             |
| 3/4        | 560 0805       | 561 0752    |
| 1          | 560 0833       | 561 0780    |
| 1-1/4      | 560 0861*      | 561 0808*   |
| 1-1/2      | 560 0889       | 561 0836    |
| 2          | 560 0917       | 561 0864    |
| 3          | 560 0945       | 561 0892    |
| 4          | 560 0973       |             |

### Type DP – Plug



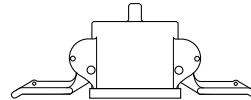
| SIZE (IN.) | PART NO. NYLON | PART NO. PP |
|------------|----------------|-------------|
| 3/4        | 560 2989*      | 561 3160    |
| 1          | 560 3017*      | 561 3188    |
| 1-1/2      | 560 3045*      | 561 3216    |
| 2          | 560 3073*      | 561 3244    |
| 3          | 560 3101*      | 561 3272    |
| 4          | 560 3129*      |             |

### Type D – Coupler x FNPT



| SIZE (IN.) | PART NO. NYLON | PART NO. PP |
|------------|----------------|-------------|
| 1/2        | 560 1197       | 561 1088    |
| 3/4        | 560 1225       | 561 1116    |
| 1          | 560 1253       | 561 1144    |
| 1-1/4      | 560 1281*      | 561 1172*   |
| 1-1/2      | 560 1309       | 561 1200    |
| 2          | 560 1337       | 561 1228    |
| 3          | 560 1365       | 561 1256    |
| 4          | 560 1393       |             |

### Type DC – Cap



| SIZE (IN.) | PART NO. NYLON | PART NO. PP |
|------------|----------------|-------------|
| 3/4        | 560 2681*      | 561 2488    |
| 1          | 560 2709*      | 561 2516    |
| 1-1/2      | 560 2737*      | 561 2544    |
| 2          | 560 2765*      | 561 2572    |
| 3          | 560 2793*      | 561 2600    |
| 4          | 560 2821*      |             |

On 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.



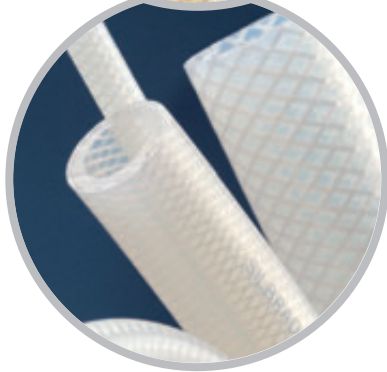
## Nylobrade® PVC Hose

- Listed by the National Sanitation Foundation for food equipment materials (NSF-51) and potable water (NSF-61)
- Offers far higher pressure capabilities than unreinforced PVC tubing
- Mirror smooth interior permits outstanding flow characteristics
- Corrosion and abrasion resistant with flexibility similar to rubber but with much longer life



## Urebrade® Polyurethane Hose

- Resistant to weathering, tearing, impact, abrasion, radiation exposure, oils, greases and fuels
- Wide range of temperature resistance: -90°F to 175°F
- Free of DEHP, phthalates, BPA and conflict minerals
- Naturally transparent for visual contact with the flow



## Silbrade® Silicone Hose

- Odorless, tasteless, and inert
- Excellent weatherability properties — resists U.V., ozone, gases, moisture and extreme temperatures
- Listed by the National Sanitation Foundation (NSF-51) for food equipment materials
- Free of BPA, latex and phthalates; REACH and RoHS compliant

## Request a Fittings & Clamps catalog

Inside you'll find details on all of NewAge Industries' barbed fittings and clamps. Catalogs for PVC, polyurethane, silicone, fluoropolymer, rubber, and semi-rigid tubing and hose are available, as well as push-to-connect fittings and custom products. Contact your NewAge Industries' sales representative or local distributor to request a copy of the catalog you need, or visit [www.newageindustries.com](http://www.newageindustries.com).



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