



Hundreds of types of fittings and clamps can be used with plastic and rubber tubing. Our goal at NewAge® Industries is to offer a good cross-section of fittings to efficiently connect our tubing and hose products. We suggest you use the Recommended Fittings & Clamps section found at each tubing and hose product to guide you in your selection.

You'll see on the following pages that NewAge Industries offers barbed fittings — Thermobarb® — in various plastic materials and in brass for use with soft-walled tubing. A wide range of standard sizes are available.

Cam and groove couplings in four materials handle corrosive materials. They provide high impact strength and a much lighter weight than their metal counterparts.

SafeAir®, a two-stage safety air coupler, is designed to work specifically with air hoses. It offers a secure connection for use up to 232 psi. SafeAir provides protection against whipping hoses with its unique two-step, sliding disconnection.

NewAge also offers push-to-connect and PFA compression fittings. Contact your representative about these styles or your other fitting requirements.

To complete a tubing or hose installation, the use of clamps and accessories is typically necessary. NewAge Industries offers a selection of quality products to securely finish your application.

The unique and compact ear-type clamping system developed by Hans Oetiker is a popular item. Its simple design provides a strong clamping system that never needs retightening. The Oetiker name, as well as the products it represents, is well known and respected throughout the world.

Stainless steel worm gear clamps are offered in many styles, including lined for use with soft tubing. They offer a simple screw tightening method of installation.

Many customers, however, do not want to use metal clamps for various reasons (weight, corrosion, conductivity), yet they still require a reliably strong and secure clamp. Kwik Clamp™ gives the advantages of an all-plastic design that cannot rust or corrode, will not vibrate loose, and can be reused. Kwik Clamp is the answer when a non-metallic installation is desired.

NewAge Industries recommends the use of thread sealant on most threaded fittings to ensure a leak-free connection. For that purpose, we offer PTFE Tape Thread Sealant in convenient dispensing spools. The two available sizes may be used on either plastic or metallic threads. ■

| | |
|--|----|
| Thermobarb® Plastic Plastic barbed fittings & hose nipples in four materials | 2 |
| Thermobarb Brass Brass barbed fittings | 7 |
| Cam Operated Couplings Available in four plastic materials | 9 |
| SafeAir® Two-stage safety air coupler ... | 12 |
| Oetiker® Clamps Ear type clamps | 13 |
| Worm Gear Clamps Stainless steel | 15 |
| Kwik Clamp™ Nylon double bond hose clamps .. | 16 |
| PTFE Thread Sealant | 16 |

Fluid Transfer Specialists®



Plastic Barbed Fittings & Hose Nipples



- Precision molded in nylon-6, high density polyethylene, PVDF, polypropylene, glass-fiber reinforced nylon, or glass-fiber reinforced polypropylene
- Lightweight, compact, easy to install and disconnect
- High impact strength
- Excellent chemical resistance



Made in U.S.A.

Notes

NATURAL NYLON

- Formulated to resist physical stress and abrasion
- Autoclavable
- Material: NSF-51 and NSF-61 nylon type 6; ingredients meet FDA standards
- Temperature Range^{**}: -40°F to 200°F
- Working Pressure^{**}: 150 psi maximum with appropriate clamps
- Limited styles in 1-1/4" and 1-1/2" sizes are available; call for details

BLACK POLYETHYLENE (PE)

- Formulated for chemical compatibility and high impact resistance at lower temperatures
- Material: NSF-61 listed, high molecular weight linear polyethylene
- Temperature Range^{**}: -65°F to 190°F
- Working Pressure^{**}: 150 psi maximum with appropriate clamps

NATURAL PVDF

- Formulated to resist creep and fatigue under mechanical stress and load
- Offers excellent resistance to abrasion and UV
- Autoclavable
- Material: semi-crystalline, low molecular weight, vinylidene fluoride polymer with FDA approved ingredients
- Temperature Range^{**}: -80°F to 226°F
- Working Pressure^{**}: 250 psi maximum with appropriate clamps
- Material compound is NSF-61 listed

NATURAL POLYPROPYLENE (NATURAL PP)

- Formulated for excellent chemical and solvent resistance
- Autoclavable
- Material: FDA-approved, high impact copolymer polypropylene
- Temperature Range^{**}: 10°F to 220°F
- Working Pressure^{**}: 150 psi maximum with appropriate clamps

BLACK POLYPROPYLENE (BLACK PP)

- Formulated for excellent chemical and solvent resistance
- Autoclavable
- Material: FDA-approved, high impact copolymer polypropylene
- Temperature Range^{**}: 10°F to 220°F
- Working Pressure^{**}: 150 psi maximum with appropriate clamps

See pages 5 and 6 for other POLYPROPYLENE Thermobarb fittings in styles such as Y and 4-way connectors.

^{**}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.

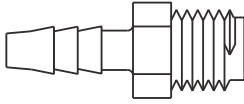
Recommended Clamps

- Oetiker® ear type clamps pg. 13
- Worm gear clamps pg. 15
- Kwik Clamp™ nylon double bond hose clamps pg. 16

Plastic Barbed Fittings & Hose Nipples

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

Male Adapter



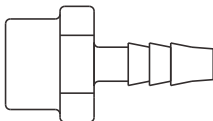
| HOSE ID x NPT (IN.) | PART NO. NYLON | PART NO. PE | PART NO. PVDF* | PART NO. NATURAL PP | PART NO. BLACK PP |
|------------------------|-------------------|----------------|-------------------|---------------------------|-------------------------|
| 5/32 x 1/8 | | | 507 0044 | 502 2983 | 508 0110 |
| 3/16 x 1/8 | 500 0030 | 501 0033 | 507 0065 | 502 3004 | 508 0131 |
| 3/16 x 1/4 | 500 0170 | 501 0173 | | 502 3025 | 508 0152 |
| 1/4 x 1/8 | 500 0065 | 501 0068 | 507 0128 | 502 3067 | 508 0194 |
| 1/4 x 1/4 | 500 0205 | 501 0208 | 507 0149 | 502 3088 | 508 0215 |
| 1/4 x 3/8 | 500 0345 | 501 0348 | 507 0170 | 502 3109 | 508 0236 |
| 1/4 x 1/2 | 500 0555* | 501 0558 | 507 0191 | 502 3130 | 508 0257* |
| 1/4 x 3/4 | | 501 0733* | | | |
| 5/16 x 1/8 | 500 0100* | 501 0103 | 507 0233 | 502 3172 | |
| 5/16 x 1/4 | 500 0240 | 501 0243 | 507 0254 | 502 3193 | 508 0320* |
| 5/16 x 3/8 | 500 0380 | | | | |
| 3/8 x 1/8 | 500 0135 | 501 0138 | 507 0296 | 502 3235 | |
| 3/8 x 1/4 | 500 0275 | 501 0278 | 507 0317 | 502 3256 | 508 0383 |
| 3/8 x 3/8 | 500 0415 | 501 0418 | 507 0338 | 502 3277 | 508 0404 |
| 3/8 x 1/2 | 500 0590 | 501 0593 | 507 0359 | 502 3298 | 508 0425 |
| 3/8 x 3/4 | 500 0800 | 501 0768 | 507 0387 | 502 3326 | |
| 1/2 x 1/4 | 500 0310 | 501 0313 | | 502 3347 | |
| 1/2 x 3/8 | 500 0450 | 501 0453 | 507 0429 | 502 3368 | 508 0495 |
| 1/2 x 1/2 | 500 0625 | 501 0628 | 507 0450 | 502 3389 | 508 0516 |
| 1/2 x 3/4 | 500 0835 | 501 0803 | 507 0471 | 502 3410 | 508 0537 |
| 5/8 x 3/8 | 500 0485 | 501 0488 | | 502 3431 | 508 0558* |
| 5/8 x 1/2 | 500 0660 | 501 0663 | | 502 3452 | |
| 5/8 x 3/4 | 500 0870 | 501 0838 | | 502 3480 | 508 0607 |
| 3/4 x 1/2 | 500 0695 | 501 0698 | | 502 3501 | 508 0628* |
| 3/4 x 3/4 | 500 0905 | 501 0873 | 507 0583 | 502 3522 | 508 0649 |
| 3/4 x 1 | 500 0975* | | | 502 3543 | 508 0670* |
| 1 x 1/2 | 500 0730 | | | 502 3564 | 508 0691* |
| 1 x 3/4 | 500 0940 | | | 502 3585 | 508 0712* |
| 1 x 1 | 500 1010 | | 507 0667 | 502 3606 | 508 0733 |

Connector

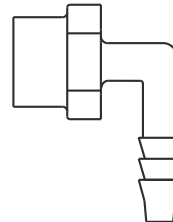


| HOSE ID (IN.) | PART NO. NYLON | PART NO. PE | PART NO. PVDF* | PART NO. NATURAL PP | PART NO. BLACK PP |
|------------------|-------------------|----------------|-------------------|---------------------------|-------------------------|
| 1/8 | 500 1185^ | 501 1048^ | 507 0856 | 502 3795^ | 508 0922^ |
| 3/16 | 500 1220 | 501 1083 | 507 0870 | 502 3809 | 508 0936* |
| 1/4 | 500 1255 | 501 1118 | 507 0884 | 502 3823 | 508 0950* |
| 5/16 | 500 1290 | 501 1153 | | 502 3837 | 508 0964 |
| 3/8 | 500 1325 | 501 1188 | 507 0912 | 502 3851 | |
| 1/2 | 500 1360 | 501 1223 | 507 0926 | 502 3865 | 508 0992 |
| 5/8 | 500 1395* | 501 1258* | | 502 3879 | 508 1006 |
| 3/4 | 500 1430 | 501 1293 | | 502 3893 | |
| 1 | 500 1465* | 501 1328* | | 502 3907 | 508 1034 |

Female Adapter



| HOSE ID x FNPT (IN.) | PART NO. NYLON |
|-------------------------|-------------------|
| 3/16 x 1/8 | 500 5861^ |
| 3/16 x 1/4 | 500 5868^ |
| 1/4 x 1/8 | 500 5896 |
| 1/4 x 1/4 | 500 5903 |
| 3/8 x 1/8 | 500 5966 |
| 3/8 x 1/4 | 500 5973 |
| 3/8 x 3/8 | 500 5980 |
| 3/8 x 1/2 | 500 5987 |
| 1/2 x 1/4 | 500 6022 |
| 1/2 x 3/8 | 500 6029 |
| 1/2 x 1/2 | 500 6036 |
| 5/8 x 1/2 | 500 6064 |
| 3/4 x 1/2 | 500 6099 |
| 3/4 x 3/4 | 500 6106 |



Female 90° Elbow

| HOSE ID x FNPT (IN.) | PART NO. NYLON |
|-------------------------|-------------------|
| 1/4 x 1/8 | 500 5567 |
| 1/4 x 1/4 | 500 5574 |
| 1/4 x 3/8 | 500 5581 |
| 5/16 x 1/8 | 500 5602 |
| 5/16 x 1/4 | 500 5609 |
| 3/8 x 1/8 | 500 5637 |
| 3/8 x 1/4 | 500 5644 |
| 3/8 x 3/8 | 500 5651 |
| 3/8 x 1/2 | 500 5658 |
| 1/2 x 1/4 | 500 5686 |
| 1/2 x 3/8 | 500 5693 |
| 1/2 x 1/2 | 500 5700 |

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

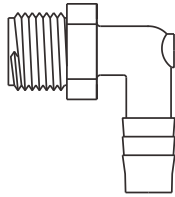
^Available in single-barb style only — actual product differs from illustration.

All items on this page sold in increments of 50 pieces.

Plastic Barbed Fittings & Hose Nipples

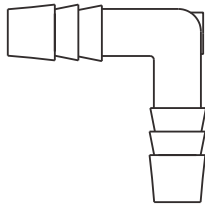
■ Note that sizes are listed first due to the variety of materials offered

Male 90° Elbow



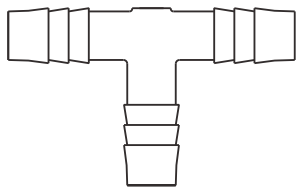
| HOSE ID x NPT (IN.) | PART NO. NYLON | PART NO. PE | PART NO. PVDF* | PART NO. NATURAL PP | PART NO. BLACK PP |
|---------------------|----------------|-------------|----------------|---------------------|-------------------|
| 3/16 x 1/8 | 500 3215^ | 501 3008 | 507 2417 | 502 5356 | 508 2483 |
| 3/16 x 1/4 | 500 3355^ | 501 3148^ | | 502 5370 | |
| 1/4 x 1/8 | 500 3250 | 501 3043 | 507 2473 | 502 5412 | 508 2539 |
| 1/4 x 1/4 | 500 3390 | 501 3183 | 507 2487 | 502 5426 | 508 2553 |
| 1/4 x 3/8 | 500 3530 | 501 3323 | 507 2501 | 502 5440 | |
| 1/4 x 1/2 | 500 3670* | 501 3498* | | | |
| 1/4 x 3/4 | 500 3880* | 501 3673* | | | |
| 5/16 x 1/8 | 500 3285 | 501 3078 | 507 2564 | 502 5503 | 508 2630 |
| 5/16 x 1/4 | 500 3425 | 501 3218 | | 502 5517 | 508 2644* |
| 3/8 x 1/8 | 500 3320 | 501 3113 | 507 2627 | 502 5566 | |
| 3/8 x 1/4 | 500 3460 | 501 3253 | 507 2641 | 502 5580 | 508 2707 |
| 3/8 x 3/8 | 500 3565 | 501 3393 | 507 2655 | 502 5594 | 508 2721 |
| 3/8 x 1/2 | 500 3705 | 501 3533 | | 502 5608 | 508 2735* |
| 3/8 x 3/4 | | 501 3708 | 507 2683 | 502 5622 | |
| 1/2 x 1/4 | 500 3495 | 501 3288 | | 502 5671 | 508 2798 |
| 1/2 x 3/8 | 500 3600 | 501 3428 | 507 2746 | 502 5685 | 508 2812 |
| 1/2 x 1/2 | 500 3740 | 501 3568 | 507 2760 | 502 5699 | 508 2826 |
| 1/2 x 3/4 | 500 3950 | 501 3743 | 507 2774 | 502 5713 | 508 2840* |
| 5/8 x 3/8 | 500 3635* | 501 3463 | | 502 5748 | 508 2875 |
| 5/8 x 1/2 | 500 3775 | 501 3603 | | 502 5762 | |
| 5/8 x 3/4 | 500 3985 | 501 3778* | | | |
| 3/4 x 1/2 | 500 3810 | 501 3638 | 507 2886 | 502 5825 | 508 2952 |
| 3/4 x 3/4 | 500 4020 | 501 3813 | | 502 5839 | 508 2966* |
| 1 x 1/2 | 500 3845 | | | | |
| 1 x 3/4 | 500 4055 | | | | |
| 1 x 1 | 500 4090 | | 507 2977 | 502 5916 | 508 3043 |

Barbed 90° Elbow



| HOSE ID x HOSE ID (IN.) | PART NO. NYLON | PART NO. PE | PART NO. PVDF* | PART NO. NATURAL PP | PART NO. BLACK PP |
|-------------------------|----------------|-------------|----------------|---------------------|-------------------|
| 1/4 x 1/4 | 500 2795 | 501 2623 | | 502 5041 | 508 2168 |
| 3/8 x 3/8 | 500 2830 | 501 2658 | 507 2137 | 502 5076 | 508 2203 |
| 1/2 x 1/4 | 500 2865 | 501 2693 | | 502 5111 | |
| 1/2 x 3/8 | 500 2900 | 501 2728 | | 502 5125 | 508 2252 |
| 1/2 x 1/2 | 500 2935 | 501 2763 | 507 2200 | 502 5139 | 508 2266 |
| 5/8 x 5/8 | 500 2970 | 501 2798 | 507 2235 | 502 5174 | 508 2301 |
| 3/4 x 3/4 | 500 3005 | 501 2833 | | 502 5223 | |
| 1 x 1 | 500 3040 | | | 502 5272 | |

Barbed Tee



| HOSE ID x HOSE ID x HOSE ID (IN.) | PART NO. NYLON | PART NO. PE | PART NO. PVDF* | PART NO. NATURAL PP | PART NO. BLACK PP |
|-----------------------------------|----------------|-------------|----------------|---------------------|-------------------|
| 1/8 x 1/8 x 1/8 | 500 4895^ | 501 4513^ | 507 3544 | 502 6483 | 508 3610* |
| 5/32 x 5/32 x 5/32 | 500 4965* | 501 4583^ | 507 3607 | 502 6546 | |
| 3/16 x 3/16 x 3/16 | 500 5000^ | 501 4618^ | 507 3656 | 502 6595 | 508 3722 |
| 3/16 x 3/8 x 3/8 | 500 5035* | 501 4653 | 507 3677 | 502 6616 | 508 3743* |
| 1/4 x 1/4 x 1/4 | 500 5070 | 501 4688 | | 502 6665 | 508 3792 |
| 1/4 x 5/16 x 5/16 | | 501 4723* | | | |
| 1/4 x 3/8 x 3/8 | 500 5140 | 501 4758 | | 502 6693 | 508 3820 |
| 1/4 x 1/2 x 1/2 | 500 5175 | 501 4793 | 507 3768 | 502 6707 | |
| 5/16 x 5/16 x 5/16 | 500 5210 | 501 4828 | | 502 6756 | 508 3883 |
| 5/16 x 1/2 x 1/2 | | 501 4863* | | | |
| 3/8 x 3/8 x 3/8 | 500 5245 | 501 4898 | 507 3866 | 502 6805 | 508 3932 |
| 3/8 x 1/2 x 1/2 | 500 5280* | 501 4933* | | 502 6826 | |
| 1/2 x 3/8 x 3/8 | 500 5315 | 501 4968 | 507 3936 | 502 6875 | |
| 1/2 x 1/2 x 1/2 | 500 5350 | 501 5003 | 507 3957 | 502 6896 | 508 4023 |
| 5/8 x 5/8 x 5/8 | 500 5385 | 501 5038 | | 502 6945 | 508 4072 |
| 3/4 x 3/4 x 3/4 | 500 5420 | 501 5073 | 507 4055 | 502 6994 | 508 4121* |
| 1 x 1 x 1 | 500 5455 | | | 502 7043 | |

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

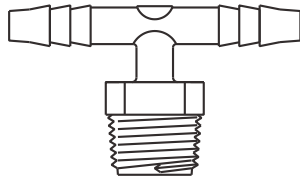
^Available in single-barb style only — actual product differs from illustration.

All items on this page sold in increments of 50 pieces.

Plastic Barbed Fittings & Hose Nipples

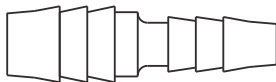
■ Note that sizes are listed first due to the variety of materials offered

Male Tee



| HOSE ID x NPT (IN.) | PART NO. NYLON | PART NO. PE | PART NO. PVDF* | PART NO. NATURAL PP | PART NO. BLACK PP |
|---------------------|----------------|-------------|----------------|---------------------|-------------------|
| 3/16 x 1/8 | 500 4265 | 501 3988* | 507 3089 | 502 6028 | 508 3155 |
| 3/16 x 1/4 | 500 4335 | | | 502 6042 | 508 3169 |
| 1/4 x 1/8 | 500 4300 | 501 4023* | | | 508 3204 |
| 1/4 x 1/4 | 500 4370 | 501 4093* | | 502 6091 | |
| 1/4 x 3/8 | 500 4475 | | | 502 6105 | |
| 3/8 x 1/4 | 500 4405 | 501 4128* | | 502 6154 | 508 3281 |
| 3/8 x 3/8 | 500 4510 | 501 4233* | | 502 6168 | |
| 3/8 x 1/2 | 500 4580* | 501 4303* | | | |
| 1/2 x 1/4 | 500 4440 | | | | |
| 1/2 x 3/8 | 500 4545 | 501 4268* | | 502 6245 | |
| 1/2 x 1/2 | 500 4615 | 501 4338* | | 502 6259 | |
| 1 x 1/2 | 500 4650* | | | | |
| 3/4 x 3/4 | 500 4685 | | | | |
| 1 x 3/4 | 500 4720 | | | | |

Reducer Connector



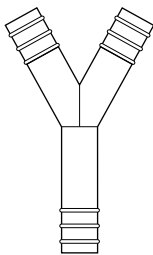
Male Tee and Reducer Connector sold in increments of 50 pieces.

| HOSE ID x HOSE ID (IN.) | PART NO. NYLON | PART NO. PE | PART NO. PVDF* | PART NO. NATURAL PP | PART NO. BLACK PP |
|-------------------------|----------------|-------------|----------------|---------------------|-------------------|
| 1/4 x 1/8 | 500 1640 | 501 1503 | 507 1080 | 502 4019 | 508 1146 |
| 1/4 x 3/16 | 500 1675 | 501 1538 | 507 1094 | 502 4033 | |
| 3/8 x 1/4 | 500 1710 | 501 1573 | | 502 4047 | |
| 1/2 x 1/4 | 500 1745 | 501 1608 | | 502 4061 | 508 1188 |
| 1/2 x 3/8 | 500 1780 | 501 1643 | 507 1171 | 502 4110 | 508 1237 |
| 5/8 x 3/8 | 500 1815 | 501 1678 | | 502 4131 | |
| 5/8 x 1/2 | 500 1850* | 501 1713 | 507 1248 | 502 4187 | |
| 3/4 x 1/2 | | | | | |

FDA-APPROVED POLYPROPYLENE (FDA PP)

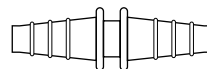
- Excellent temperature and chemical resistance
- Autoclavable
- Widely used in industry and laboratories
- Temperature range**: 32°F to 212°F
- Working pressure**: 21.75 psi maximum at 70°F with appropriate clamps

**Values listed at left 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.



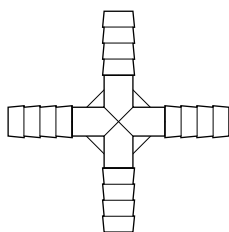
'Y' Connector

| PART NO. | HOSE ID (IN.) |
|----------|---------------|
| 502 0596 | 1/8 |
| 502 0631 | 3/16 |
| 502 0666 | 1/4 |
| 502 0701 | 3/8 |
| 502 0736 | 7/16 |
| 502 0771 | 1/2 |
| 502 0806 | 9/16 |



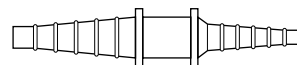
Connector

| PART NO. | HOSE ID (IN.) |
|----------|---------------|
| 502 0106 | 1/8 – 7/32 |
| 502 0141 | 3/16 – 5/16 |
| 502 0176 | 1/4 – 3/8 |
| 502 0211 | 3/8 – 7/16 |
| 502 0246 | 7/16 – 9/16 |
| 502 0281 | 1/2 – 5/8 |



4-Way Connector

| PART NO. | HOSE ID (IN.) |
|----------|---------------|
| 502 0946 | 1/8 |
| 502 0981 | 3/16 |
| 502 1016 | 1/4 |
| 502 1051 | 3/8 |
| 502 1086 | 7/16 |
| 502 1121 | 1/2 |



Reducer Connector

| PART NO. | HOSE ID (IN.) |
|----------|----------------------------|
| 502 0421 | 1/8 – 5/16 and 1/4 – 7/16 |
| 502 0456 | 1/8 – 5/16 and 7/16 – 5/8 |
| 502 0491 | 5/16 – 7/16 and 7/16 – 5/8 |

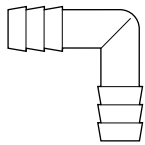
*Limited stock availability; lead times and minimums may apply — call for details.

FDA-Approved PP items sold in increments of 10 pieces.

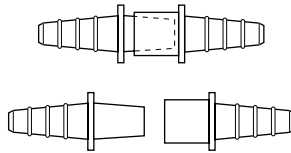
Plastic Barbed Fittings & Hose Nipples

FDA-APPROVED POLYPROPYLENE (FDA PP) continued

Barbed 90° Elbow



| PART NO. | HOSE ID (IN.) |
|----------|---------------|
| 502 1681 | 1/8 |
| 502 1716 | 3/16 |
| 502 1751 | 1/4 |
| 502 1786 | 3/8 |
| 502 1821 | 7/16 |
| 502 1856 | 1/2 |
| 502 1891 | 9/16 |

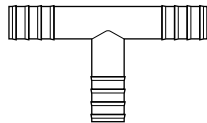


Quick Disconnect†

| PART NO. | HOSE ID (IN.) |
|-----------|---------------|
| 502 1366* | 1/8 – 7/32 |
| 502 1401* | 3/16 – 5/16 |
| 502 1436* | 1/4 – 3/8 |
| 502 1471* | 3/8 – 7/16 |
| 502 1506* | 7/16 – 9/16 |
| 502 1541* | 1/2 – 5/8 |

†This part is made from FDA-approved polyethylene and is not autoclavable. Working pressure is 21 psi maximum at 70°F. Maximum safe working temperature is 122°F; 140°F intermittently.

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



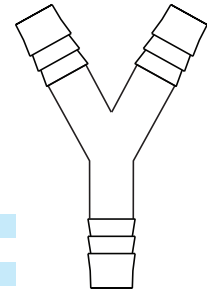
Barbed Tee

| PART NO. | HOSE ID (IN.) |
|----------|---------------|
| 502 2031 | 1/8 |
| 502 2066 | 3/16 |
| 502 2101 | 1/4 |
| 502 2136 | 3/8 |
| 502 2171 | 7/16 |
| 502 2206 | 1/2 |
| 502 2241 | 9/16 |

Other FDA-APPROVED POLYPROPYLENE Y FITTINGS

- Precision molded of FDA-approved polypropylene copolymer
- Meets USP Class VI standards and compliant with FDA 21 CFR 177.1520
- Longer, more tapered lead barb slides easily into tubing and provides a secure attachment and reduced leakage
- Sterilizable by autoclave or gamma radiation
- Free of animal-derived ingredients
- No mold parting lines or flashing
- RoHS compliant
- Less costly — ideal for single-use/disposable tubing assemblies

| PART NO. | SIZE (IN.) |
|----------|------------|
| 502 7106 | 1/4 |
| 502 7120 | 3/8 |
| 502 7148 | 1/2 |



Reinforced Nipples

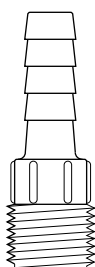
- Made from glass fiber-reinforced nylon (yellow in color) or glass fiber-reinforced polypropylene (black in color)
- High impact strength yet much lighter in weight than metal
- Resistant to most hydrocarbons, solvents, mild acids, and agricultural chemicals
- Made to MIL-C-27487 dimensions; fully interchanged with other materials made to the same standard
- Electrically non-conductive

Glass Fiber Reinforced Nylon

Temperature Range**: -30°F to 200°F
 Working Pressure**: 1/2" thru 1" 175 psi
 1-1/4" thru 2" 150 psi

Glass Fiber Reinforced Polypropylene

Temperature Range**: 10°F to 180°F
 Working Pressure**: 1/2" thru 1" 125 psi
 1-1/4" thru 2" 100 psi



Hose Nipples – Hose x MNPT

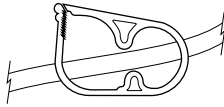
| PART NO. NYLON | PART NO. POLYPROPYLENE | SIZE (IN.) |
|-------------------|---------------------------|------------|
| 560 3297 | 561 3832 | 1/2 |
| 560 3325 | 561 3860 | 3/4 |
| 560 3353 | 561 3888 | 1 |
| 560 3381 | 561 3916 | 1-1/4 |
| 560 3409 | 561 3944 | 1-1/2 |
| 560 3437 | 561 3972 | 2 |

**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 Barbed Fittings & Hose Nipples

ACCESSORIES

Pinch Clamp



- Chemical resistant
- Autoclavable
- One piece construction for easy operation; no sharp edges to damage tubing
- Accurate flow rate

| PART NO. POLYPROPYLENE | PART NO. POLYESTER | TUBING OD (IN.) |
|---------------------------|-----------------------|--------------------|
| 502 2521 | | Fits up to 1/4 |
| 502 2556 | | Fits up to 1/2 |
| | 502 2591 | Fits up to 3/4 |

Check Valve



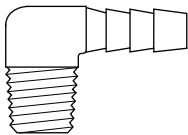
- Body made of polypropylene
- Internal gasket made of Dutral synthetic rubber
- Prevents back flow of liquid when pressure is stopped

| PART NO. | TUBING ID (IN.) |
|----------|-----------------|
| 502 2451 | 1/4 – 3/8 |
| 502 2465 | 7/16 – 5/8 |

Thermobarb® Brass

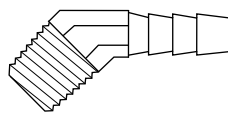
Brass Barbed Fittings

- Formed of forged and/or machined brass
- Tapered pipe threads are made to Dryseal USA specifications
- An industrial standard — use in all general purpose applications
- May be used in potable water systems



Male 90° Elbow

| PART NO. | HOSE ID (IN.) x NPTF |
|----------|-------------------------|
| 600 3977 | 1/4 x 1/8 |
| 600 3991 | 1/4 x 1/4 |
| 600 4075 | 5/16 x 1/4 |
| 600 4124 | 3/8 x 1/8 |
| 600 4138 | 3/8 x 1/4 |
| 600 4152 | 3/8 x 3/8 |
| 600 4243 | 1/2 x 1/4 |
| 600 4250 | 1/2 x 3/8 |
| 600 4341 | 5/8 x 1/2 |



Male 45° Elbow

| PART NO. | HOSE ID (IN.) x NPTF |
|----------|-------------------------|
| 600 4761 | 3/8 x 1/8 |
| 600 4880 | 1/2 x 3/8 |



Recommended Clamps

- Oetiker® ear type clamps pg. 13
- Worm gear clamps pg. 15
- Kwik Clamp™ nylon double bond hose clamps pg. 16

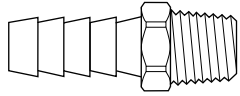
Notes

- General purpose brass barbed fittings designed for maximum durability
- Working temperature**: -40°F to 180°F
- Working pressure**: 150 psi at 160°F with appropriate clamps

**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.

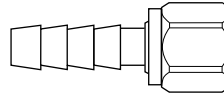
Brass Barbed Fittings

Male Adapter



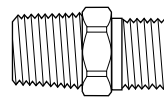
| PART NO. | HOSE ID (IN.) x NPTF |
|----------|-------------------------|
| 600 0491 | 1/8 x 1/8 |
| 600 0505 | 1/8 x 1/4 |
| 600 0603 | 3/16 x 1/8 |
| 600 0617 | 3/16 x 1/4 |
| 600 0659 | 1/4 x 1/8 |
| 600 0673 | 1/4 x 1/4 |
| 600 0687 | 1/4 x 3/8 |
| 600 0757 | 5/16 x 1/4 |
| 600 0813 | 3/8 x 1/8 |
| 600 0827 | 3/8 x 1/4 |
| 600 0841 | 3/8 x 3/8 |
| 600 0855 | 3/8 x 1/2 |
| 600 0932 | 1/2 x 1/4 |
| 600 0939 | 1/2 x 3/8 |
| 600 0946 | 1/2 x 1/2 |
| 600 0960 | 1/2 x 3/4 |
| 600 1023 | 5/8 x 3/8 |
| 600 1030 | 5/8 x 1/2 |
| 600 1044 | 5/8 x 3/4 |
| 600 1079 | 3/4 x 1/2 |
| 600 1093 | 3/4 x 3/4 |
| 600 1163 | 1 x 3/4 |
| 600 1177 | 1 x 1 |

Swivel Female Flare Adapter



| PART NO. | HOSE ID (IN.) x FEMFL |
|----------|--------------------------|
| 600 3123 | 1/4 x 1/4 |
| 600 3137 | 1/4 x 3/8 |
| 600 3207 | 3/8 x 3/8 |

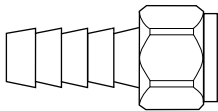
Nipple Adapter†



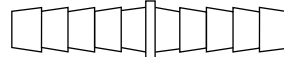
| PART NO. | NPSM x MNPTF |
|----------|-----------------|
| 600 6770 | 1/4 x 1/4 |

†Converts a Swivel Female Adapter to a Swivel Male Adapter

Swivel Female Adapter Ball End



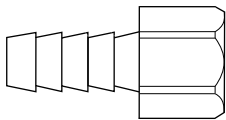
| PART NO. | HOSE ID (IN.) x NPSM |
|----------|-------------------------|
| 600 2773 | 1/4 x 1/4 |
| 600 2955 | 3/4 x 3/4 |



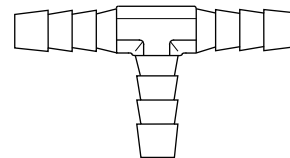
Connector

| PART NO. | HOSE ID (IN.) |
|----------|---------------|
| 600 1394 | 1/4 |
| 600 1401 | 5/16 |
| 600 1408 | 3/8 |
| 600 1422 | 1/2 |

Female Adapter

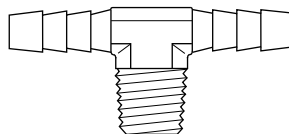


| PART NO. | HOSE ID (IN.) x NPTF |
|----------|-------------------------|
| 600 2381 | 1/8 x 1/8 |
| 600 2416 | 1/4 x 1/8 |
| 600 2423 | 1/4 x 1/4 |
| 600 2437 | 1/4 x 3/8 |
| 600 2500 | 3/8 x 1/4 |
| 600 2507 | 3/8 x 3/8 |
| 600 2514 | 3/8 x 1/2 |
| 600 2528 | 1/2 x 1/4 |
| 600 2542 | 1/2 x 1/2 |



Barbed Tee

| PART NO. | HOSE ID x HOSE ID x HOSE ID (IN.) |
|----------|--------------------------------------|
| 600 6483 | 3/8 x 3/8 x 3/8 |



Male Tee

| PART NO. | HOSE ID x NPTF (IN.) |
|----------|-------------------------|
| 600 6014 | 3/8 x 1/4 |

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

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

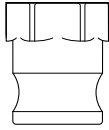
CAM OPERATED COUPLINGS are available with BSPT (metric) threads through minimum order.

**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.

Plastic Cam Operated Couplings

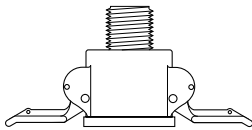
■ Note that sizes are listed first due to the variety of materials offered

Type A – Adapter x FNPT



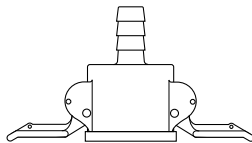
| SIZE (IN.) | PART NO. NYLON | PART NO. PP | PART NO. FDA PVDF | PART NO. FDA PP |
|------------|----------------|-------------|-------------------|-----------------|
| 1/4 | | | 565 0050 | |
| 3/8 | 560 0049* | | 565 0064 | |
| 1/2 | 560 0077 | 561 0052 | 565 0078 | |
| 3/4 | 560 0105 | 561 0080* | 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



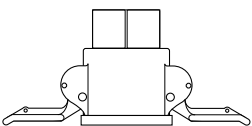
| SIZE (IN.) | PART NO. NYLON | PART NO. PP | PART NO. FDA PVDF | PART NO. FDA PP |
|------------|----------------|-------------|-------------------|-----------------|
| 1/2 | 560 0385 | 561 0388 | 565 0386 | |
| 3/4 | 560 0413 | 561 0416 | 565 0400 | 562 0391 |
| 1 | 560 0441 | 561 0444 | 565 0428 | 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 | | | |

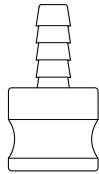
On 1/4", 3/8", 1/2", and 5/8" sizes, the coupler and adapter portion is made to the 3/4" standard, therefore these sizes will mate together.

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.

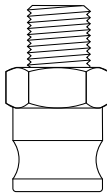
■ Note that sizes are listed first due to the variety of materials offered

Type E – Adapter x Hose Barb



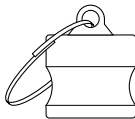
| SIZE (IN.) | PART NO. <i>NYLON</i> | PART NO. <i>PP</i> | PART NO. <i>FDA PVDF</i> | PART NO. <i>FDA PP</i> |
|------------|-----------------------|--------------------|--------------------------|------------------------|
| 1/2 | 560 1561 | 561 1424 | 565 1590 | |
| 5/8 | 560 1589 | | | |
| 3/4 | 560 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



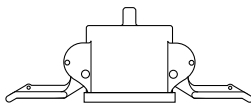
| SIZE (IN.) | PART NO. <i>NYLON</i> | PART NO. <i>PP</i> | PART NO. <i>FDA PVDF</i> | PART NO. <i>FDA PP</i> |
|------------|-----------------------|--------------------|--------------------------|------------------------|
| 1/2 | 560 1953 | 561 1760 | 565 1954 | |
| 3/4 | 560 1981 | 561 1788 | 565 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. <i>NYLON</i> | PART NO. <i>PP</i> | PART NO. <i>FDA PVDF</i> | PART NO. <i>FDA PP</i> |
|------------|-----------------------|--------------------|--------------------------|------------------------|
| 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. <i>NYLON</i> | PART NO. <i>PP</i> | PART NO. <i>FDA PVDF</i> | PART NO. <i>FDA PP</i> |
|------------|-----------------------|--------------------|--------------------------|------------------------|
| 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.

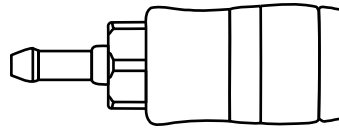
*Limited stock availability; lead times and minimums may apply — call for details.

Two-Stage Safety Air Coupler



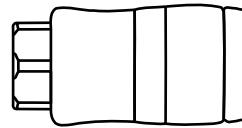
- Unique two-stage design eliminates “pop-off” injury during hose disconnection
- Simple one step connection
- Durable, reliable, and lightweight — made of steel and nylon
- Tested to more than 250,000 cycles; rated to 232 psi
- Mates with standard industrial interchange plugs that comply with ISO 6150B and MIL 4109C

COUPLERS



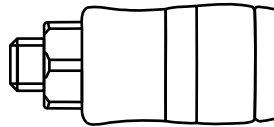
Hose Barb

| PART NO. | HOSE ID x SOCKET (IN.) |
|----------|------------------------|
| 630 0042 | 1/4 x 1/4 |
| 630 0077 | 5/16 x 1/4 |
| 630 0112 | 3/8 x 1/4 |
| 630 0175 | 3/8 x 3/8 |
| 630 0189 | 1/2 x 3/8 |



Female Thread

| PART NO. | FNPT x SOCKET (IN.) |
|----------|---------------------|
| 630 0287 | 1/4 x 1/4 |
| 630 0357 | 3/8 x 1/4 |
| 630 0420 | 3/8 x 3/8 |
| 630 0434 | 1/2 x 3/8 |



Male Thread†

| PART NO. | MNPT x SOCKET (IN.) |
|------------|---------------------|
| 630 0532 | 1/4 x 1/4 |
| 630 0602 | 3/8 x 1/4 |
| 630 0161†† | 5/16 x 3/8 |
| 630 0630 | 3/8 x 3/8 |
| 630 0644 | 1/2 x 3/8 |

†Pre-coated with fluoropolymer thread sealant
 ††Limited stock availability — call for details.

Notes

SafeAir's two step disconnection helps prevent danger and injuries from whipping air hoses. Step one releases air pressure, while step two disconnects the coupling. SafeAir will not disconnect without this manual vent release step.

Made of steel and nylon, SafeAir is durable and attractive. Its shape makes it easy to see and grip.

SafeAir is the first coupler to meet ISO Standard 4414.



Couplings are covered by one or more of the following U.S. patents: 5630 570 and 5634 629.

**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.

Recommended Clamps

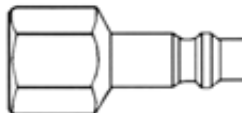
- Oetiker® ear type clamps pg. 13
- Worm gear clamps pg. 15
- Kwik Clamp™ nylon double bond hose clamps pg. 16

INDUSTRIAL INTERCHANGE PLUGS* – Meets ISO 6150B Standard



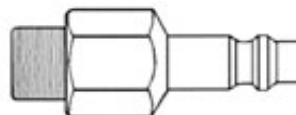
Hose Stem

| PART NO. | HOSE ID x INDUSTRIAL INTERCHANGE (IN.) |
|----------|--|
| 630 1477 | 1/4 x 1/4 |
| 630 1519 | 5/16 x 1/4 |
| 630 1547 | 3/8 x 1/4 |
| 630 1554 | 5/16 x 3/8 |
| 630 1561 | 3/8 x 3/8 |
| 630 1624 | 1/2 x 3/8 |



Female Thread

| PART NO. | FNPT x INDUSTRIAL INTERCHANGE (IN.) |
|----------|-------------------------------------|
| 630 1722 | 1/4 x 1/4 |
| 630 1792 | 3/8 x 1/4 |
| 630 1799 | 1/4 x 3/8 |
| 630 1806 | 3/8 x 3/8 |



Male Thread†

| PART NO. | MNPT x INDUSTRIAL INTERCHANGE (IN.) |
|----------|-------------------------------------|
| 630 1967 | 1/4 x 1/4 |
| 630 2037 | 3/8 x 1/4 |
| 630 2044 | 1/4 x 3/8 |
| 630 2051 | 3/8 x 3/8 |

*Treated steel for enhanced durability
 †Pre-coated with fluoropolymer thread sealant

- Oetiker ear type clamps “breathe” and adapt to the expansion and contraction of hose affected by thermodynamics or aging — no need to retighten
- Clamps are lightweight and compact — important when bulky screw-type clamps interfere with limited-space applications
- Provides a tamper-proof seal without damage to the hose



One Ear

- Made of UNS S30400 (DIN 1.4301) stainless steel or SAE 1008/1010 (DIN 1.0338) zinc plated carbon steel
- Features a mechanical lock at the joint instead of a spot weld — prevents failure due to corrosion

| PART NO. STAINLESS STEEL | PART NO. ZINC PLATED | NOM. OD (IN.) | INCHES OPEN-CLOSED |
|--------------------------------|----------------------------|---------------------|-----------------------|
| 582 0073 | 584 0072 | 3/8 | .414 - .350 |
| | 584 0086 | 7/16 | .444 - .381 |
| 582 0094 | 584 0093 | 15/32 | .486 - .394 |
| 582 0101 | 584 0100 | 1/2 | .524 - .453 |
| 582 0115 | 584 0114 | 35/64 | .551 - .472 |
| 582 0122 | 584 0121 | 9/16 | .571 - .496 |
| 582 0136 | 584 0135 | 5/8 | .618 - .543 |
| 582 0150 | 584 0149 | 11/16 | .669 - .594 |
| 582 0157 | 584 0156 | 23/32 | .728 - .618 |
| 582 0164 | 584 0163 | 3/4 | .779 - .669 |
| 582 0178 | 584 0177 | 13/16 | .827 - .716 |
| 582 0192 | 584 0191 | 7/8 | .890 - .779 |
| 582 0206 | 584 0205 | 15/16 | .949 - .839 |
| 582 0220 | 584 0219 | 1 | 1.008 - .898 |
| 582 0234* | 584 0233* | 1-1/16 | 1.067 - .945 |
| 582 0248* | 584 0247* | 1-1/8 | 1.126 - 1.004 |
| 582 0262* | 584 0261* | 1-3/16 | 1.185 - 1.063 |
| 582 0276* | 584 0275* | 1-1/4 | 1.244 - 1.122 |
| 582 0290* | 584 0289* | 1-5/16 | 1.303 - 1.181 |
| 582 0304* | 584 0303* | 1-3/8 | 1.362 - 1.240 |
| 582 0318* | 584 0317* | 1-7/16 | 1.421 - 1.299 |
| 582 0325* | | 1-15/32 | 1.480 - 1.358 |
| 582 0332* | 584 0331* | 1-1/2 | 1.500 - 1.378 |
| 582 0346* | 584 0345* | 1-9/16 | 1.559 - 1.437 |

Larger sizes are available — call for details.

Notes

One Ear Special clamps are available through special order. These clamps feature a one-piece design made from spirally welded tubing to provide a strong grip with a smooth inner and outer band surfaces. The one-ear design allows for easy access. Call for details.

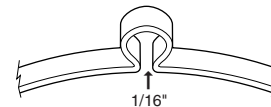
Because each application has its own set of variables, application pressures vary. Field testing should be performed to determine the actual maximum pressure for the application.

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

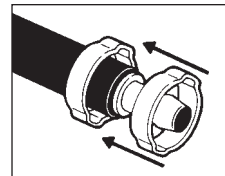
All Oetiker clamps sold in increments of 100 pieces.

Installation Notes

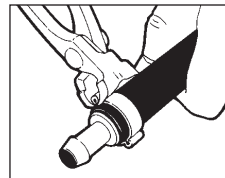
When installing OETIKER EAR TYPE CLAMPS, each ear must be crimped as recommended to obtain a proper seal. An incorrect installation may impair the connection. If a clamp ear can be closed all the way, the clamp size selected is probably too big, and the next smaller clamp should be used.



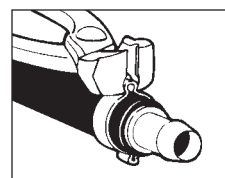
to Apply:



Position clamp on hose as shown.

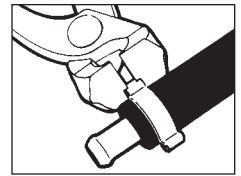


Give each ear a firm squeeze with your Oetiker Standard Jaw Pincers.

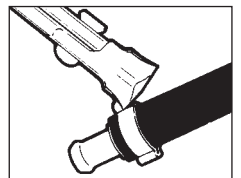


Where access to ear is difficult, use Oetiker Side Jaw or Narrow Jaw Pincers.

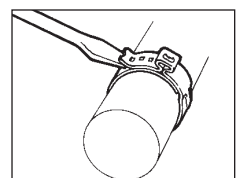
to Remove:



Grip outer edge of ear firmly and cut through with either pincers.



Cut ear by taking several small bites at its base with either pincers. Then grip ear firmly and twist off.



Stepless clamps may be easily removed by prying end up with a common screwdriver.

Ear Type Clamps

One Ear Stepless



- UNS S30400 (DIN 1.4301) stainless steel
- Patented design guarantees 360° seal preventing leaks on soft or thin walled hose or tubing
- One-ear design allows easy accessibility

| PART NO. | NOM. OD (IN.) | INCHES OPEN-CLOSED |
|-----------|---------------|--------------------|
| 582 5351 | 9/32 | .275 - .228 |
| 582 5365 | 5/16 | .315 - .268 |
| 582 5379 | 11/32 | .343 - .275 |
| 582 5393 | 3/8 | .374 - .307 |
| 582 5400 | 25/64 | .394 - .327 |
| 582 5407 | 13/32 | .413 - .346 |
| 582 5435 | 15/32 | .484 - .385 |
| 582 5449 | 1/2 | .524 - .425 |
| 582 5463 | 17/32 | .543 - .449 |
| 582 5470 | 35/64 | .551 - .453 |
| 582 5477 | 9/16 | .571 - .472 |
| 582 5505 | 5/8 | .618 - .520 |
| 582 5533 | 11/16 | .669 - .571 |
| 582 5547 | 23/32 | .728 - .602 |
| 582 5561 | 3/4 | .779 - .654 |
| 582 5617 | 7/8 | .890 - .764 |
| 582 5645 | 15/16 | .949 - .823 |
| 582 5673 | 1 | 1.008 - .882 |
| 582 5687 | 1-1/16 | 1.067 - .945 |
| 582 5701 | 1-1/8 | 1.126 - 1.004 |
| 582 5743* | 1-5/16 | 1.303 - 1.181 |
| 582 5771* | 1-7/16 | 1.421 - 1.299 |
| 582 5778* | 1-15/32 | 1.480 - 1.358 |

Two Ear



- UNS S30400 (DIN 1.4301) stainless steel or SAE 1008/1010 (DIN 1.0338) zinc plated carbon steel
- One-piece design made from spirally welded tubing

| PART NO. STAINLESS STEEL | PART NO. ZINC PLATED | NOM. OD (IN.) | INCHES OPEN-CLOSED |
|--------------------------|----------------------|---------------|--------------------|
| 582 2670* | 584 2669* | 5/32 | .161 - .122 |
| | 584 2676* | 11/64 | .177 - .138 |
| 582 2684 | 584 2683 | 3/16 | .197 - .118 |
| 582 2712 | 584 2711 | 1/4 | .276 - .197 |
| 582 2740 | 584 2739 | 5/16 | .354 - .276 |
| 582 2768 | 584 2767 | 3/8 | .433 - .315 |
| 582 2824 | 584 2823 | 1/2 | .512 - .433 |
| 582 2852 | 584 2851 | 9/16 | .591 - .512 |
| 582 2866 | 584 2865 | 19/32 | .669 - .544 |
| 582 2880 | 584 2879 | 5/8 | .708 - .591 |
| 582 2936 | 584 2935 | 3/4 | .787 - .669 |
| 582 2964 | 584 2963 | 13/16 | .866 - .748 |
| 582 2992 | 584 2991 | 7/8 | .905 - .787 |
| 582 3020 | 584 3019 | 15/16 | .984 - .866 |
| 582 3048 | 584 3047 | 1 | 1.063 - .905 |
| 582 3062 | 584 3061 | 1-1/16 | 1.102 - .984 |
| 582 3076 | 584 3075 | 1-1/8 | 1.220 - 1.063 |
| 582 3118 | 584 3117 | 1-5/16 | 1.339 - 1.220 |
| 582 3146 | 584 3145 | 1-7/16 | 1.457 - 1.339 |
| 582 3160 | 584 3159 | 1-1/2 | 1.575 - 1.457 |

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

All Oetiker clamps sold in increments of 100 pieces.

PINCERS

- Use for proper crimping of clamps
- Durable steel construction
- Three styles to select from



Standard Jaw Pincer

PART NO.

980 0182

3/4" jaw width



Narrow Jaw Pincer

PART NO.

980 1000

3/8" jaw width for tight areas



Side Jaw Pincer

PART NO.

980 0203

Dual-purpose design allows clamps to be applied or removed in confined areas with pincers held parallel to the hose. May also be used like Standard Jaw Pincers; 3/4" jaw width.

- All-steel construction for durability
- Miniature, marine grade, and lined types available
- Simple screw tightening method
- Wide range of uses

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

MINIATURE CLAMPS

| DIAMETER NOM. | RANGE (IN.) | | SERIES 300 PART NO. | SERIES 350 PART NO. |
|------------------|-------------|--------|------------------------|------------------------|
| | MIN. | MAX. | | |
| 3/8 | 7/32 | 5/8 | 580 1257 | 580 1992 |
| 1/2 | 5/16 | 7/8 | 580 1292 | 580 2027 |
| 9/16 | 7/16 | 1 | 580 1327 | 580 2062 |
| 5/8 | 1/2 | 1-1/16 | 580 1362 * | 580 2097 |
| 3/4 | 9/16 | 1-1/4 | 580 1397 | 580 2132 |
| 1 | 11/16 | 1-1/2 | 580 1432 | 580 2167 |
| 1-1/4 | 7/8 | 1-3/4 | 580 1467 * | 580 2202 |

STANDARD CLAMPS

| DIAMETER NOM. | RANGE (IN.) | | SERIES 611 PART NO. | SERIES 620 PART NO. | SERIES 225 PART NO. |
|------------------|-------------|--------|------------------------|------------------------|------------------------|
| | MIN. | MAX. | | | |
| 13/16 | 9/16 | 1-1/16 | 580 2762 | 580 4827 | 580 0067 |
| 7/8 | 9/16 | 1-1/4 | 580 2797 | 580 4862 | 580 0102 |
| 1-1/16 | 11/16 | 1-1/2 | 580 2832 | 580 4897 | 580 0137 |
| 1-1/4 | 3/4 | 1-3/4 | 580 2867 | 580 4932 | 580 0172 |
| 1-1/2 | 1-1/16 | 2 | 580 2902 | 580 4967 | 580 0207 |
| 1-3/4 | 1-5/16 | 2-1/4 | 580 2937 | 580 5002 | 580 0242 * |
| 2 | 1-9/16 | 2-1/2 | 580 2972 | 580 5037 | 580 0277 |
| 2-1/4 | 1-13/16 | 2-3/4 | 580 3007 * | 580 5072 | 580 0312 * |
| 2-1/2 | 2-1/16 | 3 | 580 3042 | 580 5107 | 580 0347 * |
| 2-3/4 | 2-5/16 | 3-1/4 | 580 3077 | 580 5142 * | 580 0382 * |
| 3 | 2-9/16 | 3-1/2 | 580 3112 | 580 5177 | 580 0417 |
| 3-1/4 | 2-13/16 | 3-3/4 | 580 3147 | 580 5212 * | 580 0452 * |
| 3-1/2 | 3-1/16 | 4 | 580 3182 | 580 5247 | 580 0487 * |
| 3-1/2 | 2-9/16 | 4-1/2 | 580 3217 * | 580 5282 | 580 0522 |
| 4 | 3 | 5 | 580 3252 * | 580 5317 * | 580 0557 |
| 4-1/2 | 3-1/2 | 5-1/2 | 580 3287 * | 580 5352 * | 580 0592 * |
| 5 | 4 | 6 | 580 3322 * | 580 5387 * | 580 0627 * |
| 5-1/2 | 4-1/2 | 6-1/2 | 580 3357 * | 580 5422 * | 580 0662 * |
| 6 | 5 | 7 | 580 3392 * | 580 5457 * | 580 0697 * |

LINED CLAMPS

| DIAMETER NOM. | RANGE (IN.) | | SERIES 613 PART NO. |
|------------------|-------------|---------|------------------------|
| | MIN. | MAX. | |
| 3/4 | 5/8 | 13/16 | 580 3952 |
| 13/16 | 3/4 | 15/16 | 580 3987 |
| 15/16 | 3/4 | 1-1/8 | 580 4022 |
| 1-1/16 | 13/16 | 1-3/8 | 580 4057 |
| 1-3/8 | 1-1/8 | 1-5/8 | 580 4092 * |
| 1-9/16 | 1-3/16 | 1-15/16 | 580 4127 * |
| 1-3/4 | 1-5/16 | 2-1/4 | 580 4162 * |
| 2 | 1-9/16 | 2-1/2 | 580 4197 * |
| 2-1/4 | 1-13/16 | 2-3/4 | 580 4232 * |
| 2-1/2 | 2-1/16 | 3 | 580 4267 * |

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

All worm gear clamps sold in increments of 10 pieces.



Notes

SERIES 300 – Miniature

Band: 5/16" wide, 301 stainless steel ■ Housing: carbon steel, clear chromate dipped ■ Screw: combination 1/4" hex head slotted, 1018 carbon steel, clear chromate plated

SERIES 350 – Miniature, Automotive Grade

Band: 5/16" wide, 301 stainless steel ■ Housing: 301 stainless steel ■ Screw: combination 1/4" hex head slotted, 410 stainless steel

SERIES 611

Band: 1/2" wide, 201 stainless steel to 4" nom; 301 stainless steel 4-1/2" nom & above ■ Housing: 301 stainless steel ■ Screw: combination 5/16" hex head slotted, 1018 carbon steel, clear chromate plated

SERIES 620

Band: 1/2" wide, 301 stainless steel ■ Housing: 301 stainless steel ■ Screw: combination 5/16" hex head slotted, 305 stainless steel

SERIES 225 – Marine Grade

Band: 9/16" wide, 301 stainless steel ■ Housing: 301 stainless steel ■ Screw: combination 5/16" hex head slotted, 305 stainless steel

SERIES 613 – Lined Clamp for Soft Tubing

Lining prevents soft tubing, such as silicone, from extruding through band notches during clamp application ■ Band: 1/2" wide, 201 stainless steel ■ Lining: 301 stainless steel ■ Housing: 201 stainless steel ■ Screw: combination 5/16" hex head slotted, 1018 carbon steel, clear chromate plated

Nylon Double Bond Hose Clamps



- Made of U.L.-listed, durable, black nylon 6-6; will not rust or corrode
- Easy to install and remove with hose in place; reusable
- Handles temperatures from -40°F to 302°F**
- Handles most moderate non-hydraulic pressure applications
- Patented double row of teeth ensures a strong bond that will not loosen

| PART NO. | NOM. OD (IN.) | MIN. (IN.) | MAX. (IN.) | BAND WIDTH (IN.) | BAND THICKNESS (IN.) |
|-----------|---------------|------------|------------|------------------|----------------------|
| 570 0072 | 1/4 | .220 | .276 | .17 | .05 |
| 570 0149 | 5/16 | .256 | .323 | .19 | .06 |
| 570 0226 | 3/8 | .319 | .382 | .18 | .06 |
| 570 0303 | 13/32 | .358 | .433 | .18 | .06 |
| 570 0380 | 7/16 | .413 | .500 | .24 | .06 |
| 570 0457 | 1/2 | .480 | .583 | .24 | .06 |
| 570 0534 | 9/16 | .524 | .646 | .30 | .08 |
| 570 0611 | 5/8 | .594 | .717 | .28 | .07 |
| 570 0688 | 11/16 | .673 | .795 | .29 | .08 |
| 570 0765 | 3/4 | .732 | .870 | .30 | .08 |
| 570 0842 | 7/8 | .803 | .949 | .29 | .08 |
| 570 0919 | 15/16 | .886 | 1.031 | .28 | .08 |
| 570 0996 | 1 | .976 | 1.130 | .28 | .08 |
| 570 1073 | 1-1/8 | 1.055 | 1.220 | .30 | .08 |
| 570 1150 | 1-1/4 | 1.150 | 1.319 | .35 | .08 |
| 570 1227 | 1-3/8 | 1.283 | 1.437 | .36 | .08 |
| 570 1304 | 1-1/2 | 1.382 | 1.551 | .35 | .08 |
| 570 1381* | 1-9/16 | 1.496 | 1.665 | .36 | .08 |
| 570 1458 | 1-5/8 | 1.610 | 1.772 | .36 | .09 |
| 570 1535 | 1-3/4 | 1.744 | 1.913 | .36 | .08 |
| 570 1612* | 1-7/8 | 1.843 | 2.028 | .36 | .09 |
| 570 1689 | 2 | 1.965 | 2.146 | .34 | .08 |
| 570 1766* | 2-1/8 | 2.091 | 2.283 | .36 | .08 |
| 570 1843* | 2-1/4 | 2.161 | 2.398 | .34 | .08 |
| 570 1997* | 2-3/4 | 2.591 | 2.831 | .37 | .10 |
| 570 2074* | 2-7/8 | 2.756 | 3.008 | .37 | .10 |
| 570 2151* | 3 | 2.941 | 3.201 | .37 | .10 |
| 570 2228* | 3-1/4 | 3.142 | 3.366 | .36 | .11 |
| 570 2305* | 3-1/2 | 3.350 | 3.567 | .35 | .10 |
| 570 2382* | 4 | 3.787 | 4.083 | .37 | .10 |
| 570 2459* | 4-1/4 | 4.146 | 4.413 | .35 | .10 |

Notes

KWIK CLAMPS are typically stored and shipped with a small amount of water. This helps to maintain physical properties and prevents the clamps from drying and/or cracking prior to use. Water does not harm the product.

**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.

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

All Kwik Clamp sizes up to and including 1-1/2" nominal sold in bags of 100 pieces. All larger sizes sold in bags of 50 pieces.

PTFE Thread Sealant

Use on Threads to Seal Against Leakage

- Made of virgin fluoropolymer
- Conforms to MIL-T-27730A
- Supplied on a plastic dispenser spool



Made in U.S.A.

| PART NO. | TAPE WIDTH (IN.) | THICKNESS (IN.) | SPOOL LENGTH (IN.)† |
|--------------|------------------|-----------------|---------------------|
| 980 0385-520 | 1/2 | .0035 | 520 |
| 980 0427-520 | 3/4 | .0035 | 520 |

†Sold by standard spool length only.



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4/15/11

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