

## Tubing Couplings, neoLab®



**Thermoplastic quick-release couplings made of polypropylene or Delrin acetal** for the leak-free and reliable connection of plastic tubing for liquids, air and gas. Temperature resistant 0°C to +71°C for PP models with EPDM seal, -40°C to +82°C for models made from Acetal or PP with Buna-N- seal.

### Quick couplings without shut-off

| Ø<br>inch | Version               | Material | for tube I.D.<br>mm | Order No.   |
|-----------|-----------------------|----------|---------------------|-------------|
| ① 1/8     | Male part             | PP       | 3.2                 | 27 01 21864 |
| ① 1/4     | Male part             | PP       | 6.4                 | 27 01 21865 |
| ② 1/8     | Male part, angle part | Acetal   | 4.8                 | 27 01 21866 |
| ② 1/4     | Male part, angle part | Acetal   | 6.4                 | 27 01 21867 |
| ③ 1/4     | Male part             | Acetal   | 6.4                 | 27 01 21871 |
| ③ 5/16    | Male part             | Acetal   | 7.9                 | 27 01 21872 |
| ③ 3/8     | Male part             | Acetal   | 9.5                 | 27 01 21873 |
| ④ 1/4     | Male part, angle part | Acetal   | 6.4                 | 27 01 21874 |
| ④ 3/8     | Male part, angle part | Acetal   | 9.5                 | 27 01 21875 |

### Quick couplings with shut-off

| Ø<br>inch | Version                            | Material | for tube I.D.<br>mm | Order No.   |
|-----------|------------------------------------|----------|---------------------|-------------|
| ⑤ 1/8     | Female part                        | PP       | 3.2                 | 27 01 21862 |
| ⑤ 1/4     | Female part                        | PP       | 6.4                 | 27 01 21863 |
| ⑥ 1/4     | Female part                        | Acetal   | 6.4                 | 27 01 21868 |
| ⑥ 5/16    | Female part                        | Acetal   | 7.9                 | 27 01 21869 |
| ⑥ 3/8     | Female part                        | Acetal   | 9.5                 | 27 01 21870 |
| ⑦ 1/16    | Male part                          | Acetal   | 1.6                 | 27 01 20864 |
| ⑦ 1/8     | Male part                          | Acetal   | 3.2                 | 27 01 20865 |
| ⑦ 3/16    | Male part                          | Acetal   | 4.8                 | 27 01 20866 |
| ⑧ 1/4     | Male part                          | Acetal   | 6.4                 | 27 01 20870 |
| ⑧ 5/16    | Male part                          | Acetal   | 7.9                 | 27 01 20871 |
| ⑧ 3/8     | Male part                          | Acetal   | 9.5                 | 27 01 20872 |
| ⑨         | Subminiature quick-release coupler | PP       | 1.6                 | 27 01 20860 |
| ⑨         | Subminiature quick-release coupler | PP       | 4.0                 | 27 01 21861 |

### Clamp coupler with shut-off

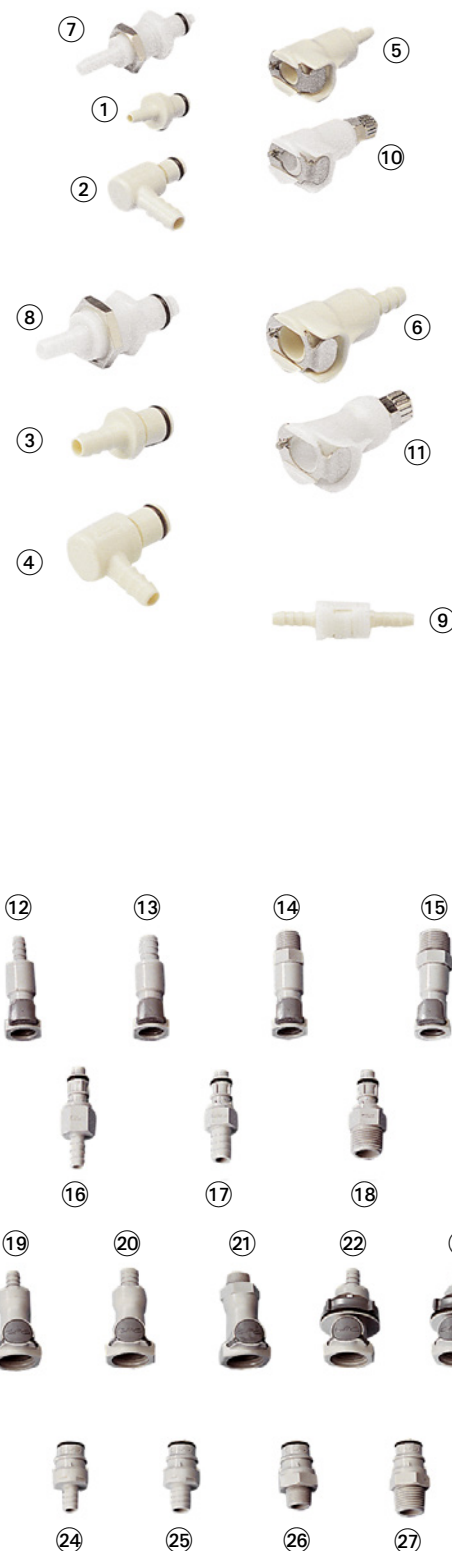
| Ø<br>inch | Ø<br>mm | Version     | Material | for outer/inner Ø<br>mm | Order No.   |
|-----------|---------|-------------|----------|-------------------------|-------------|
| ⑩         | 4       | Female part | Acetal   | 4 × 2                   | 27 01 20861 |
| ⑩ 5/32    |         | Female part | Acetal   | 4 × 2.5                 | 27 01 20862 |
| ⑩ 1/4     |         | Female part | Acetal   | 6.4 × 4.3               | 27 01 20863 |
| ⑪ 1/4     |         | Female part | Acetal   | 6.4 × 4.3               | 27 01 20867 |
| ⑪         | 8       | Female part | Acetal   | 8 × 6                   | 27 01 20868 |
| ⑪         | 10      | Female part | Acetal   | 10 × 8                  | 27 01 20869 |

### Quick couplings with shut-off, PP

**Non-leaking quick couplings 3/8" and 1/2" coupling connector for tubes and screw connections**

- High chemical resistance
- Within each size independent of the connector exchangeable
- Easy and quick handling
- Operating pressure up to 4.2 bar
- Temperature range from 0°C to 110°C
- Type-tested

| Ø<br>inch | Version                                                  | for tube I.D.<br>mm | Order No.   |
|-----------|----------------------------------------------------------|---------------------|-------------|
| ⑫ 1/4     | coupling with barbed hose connection, female             | 6.5                 | 10 01 20800 |
| ⑬ 1/4     | coupling with barbed hose connection, female             | 9.6                 | 10 01 20801 |
| ⑭ 1/4     | coupling with male thread 1/4", female                   |                     | 10 01 20802 |
| ⑮ 1/4     | coupling with male thread 3/8", female                   |                     | 10 01 20803 |
| ⑯ 1/4     | plug nozzle with barbed hose connection, male            | 6.5                 | 10 01 20804 |
| ⑰ 1/4     | plug nozzle with barbed hose connection, male            | 9.6                 | 10 01 20805 |
| ⑱ 1/4     | plug nozzle with male thread 3/8", male                  |                     | 10 01 20806 |
| ⑲ 1/4     | plug nozzle with male thread 1/4", male                  |                     | 10 01 20816 |
| ⑳ 3/8     | coupling with barbed hose connection, female             | 9.6                 | 10 01 20807 |
| ㉑ 3/8     | coupling with barbed hose connection                     | 12.7                | 10 01 20808 |
| ㉒ 3/8     | coupling with male thread 3/8", female                   |                     | 10 01 20809 |
| ㉒ 3/8     | coupling with male thread 1/2", female                   |                     | 10 01 20817 |
| ㉓ 3/8     | coupling with unscrewable barbed hose connection, female | 9.6                 | 10 01 20810 |
| ㉓ 3/8     | coupling with unscrewable barbed hose connection         | 12.7                | 10 01 20811 |
| ㉔ 3/8     | plug nozzle with barbed hose connection, male            | 9.6                 | 10 01 20812 |
| ㉕ 3/8     | plug nozzle with barbed hose connection, male            | 12.7                | 10 01 20813 |
| ㉖ 3/8     | plug nozzle with male thread 3/8", male                  |                     | 10 01 20814 |
| ㉗ 3/8     | plug nozzle with male thread 1/2", male                  |                     | 10 01 20815 |



### Quick couplings 2-in-1 without shut-off

With the 2-in-1 quick coupling, two separate flow paths can easily be connected or disconnected with a single click. The freely rotating quick coupling prevents kinking of the tubes.

| Ø<br>mm   | Version     | Order No.   |
|-----------|-------------|-------------|
| 28 2× 1.6 | Female part | 10 01 20828 |
| 2× 3.3    | Female part | 10 01 20829 |
| 29 2× 1.7 | Male part   | 10 01 20830 |
| 2× 3.3    | Male part   | 10 01 20831 |

### Quick couplings 6-in-1 without shut-off

With the 6-in-1 quick coupling, six separate flow paths can easily be connected or disconnected with a single click. The freely rotating quick coupling prevents kinking of the tubes.

| Ø<br>mm   | Version     | Order No.   |
|-----------|-------------|-------------|
| 30 6× 1.7 | Female part | 10 01 20832 |
| 6× 3.3    | Female part | 10 01 20833 |
| 31 6× 1.7 | Male part   | 10 01 20834 |
| 6× 3.3    | Male part   | 10 01 20835 |

### Quick couplings Mini

The mini quick couplings are the smallest quick couplings with shut-off available on the market. The lock-out allows for drip-free disconnection of the houses. The freely rotating quick coupling prevents kinking of the tubes.

| Ø                      | Version     | Order No.   |
|------------------------|-------------|-------------|
| 32 3.3 mm              | Female part | 10 01 20818 |
| 33 Inner thread 1/4-28 | Female part | 10 01 20819 |
| Outer thread 1/4-28    | Female part | 10 01 20820 |
| 34 3.3 mm              | Male part   | 10 01 20821 |
| 35 Inner thread 1/4-28 | Male part   | 10 01 20822 |
| 36 Outer thread 1/4-28 | Male part   | 10 01 20823 |

### Quick couplings Duo

With the Duo quick coupling, two separate flow paths can easily be connected or disconnected independently of each other. For disconnecting, press the shut-off on the left- or right-hand side. Or press the centre of the shut-off to separate the two flow paths simultaneously.

| Ø<br>mm | Version     | Order No.   |
|---------|-------------|-------------|
| 37 6.5  | Female part | 10 01 20824 |
| 38 9.6  | Female part | 10 01 20825 |
| 39 6.5  | Male part   | 10 01 20826 |
| 40 9.6  | Male part   | 10 01 20827 |

### Screw caps with quick coupling for GL45 laboratory bottles

The GL45 screw cap with integrated tube connection. The tube can be connected via quick coupling, plug-in sleeve or tube clip. The GL45 screw cap additionally comprises a polyethylene foam seal and a hydrophobic ventilation filter.

| Ø         | Version     | Order No.   |
|-----------|-------------|-------------|
| 41 1/4"   | Female part | 10 01 20836 |
| 42 1/4"   | Male part   | 10 01 20837 |
| 43 6.5 mm | with olive  | 10 01 20838 |

