

POLYSTOPP®

Quick Connect System

Size: 4-inch to 8-inch



T.D. Williamson

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Description

With its revolutionary connection design, the POLYSTOPP Quick Connect System makes it easy to safely perform tapping, plugging and branching applications on polyethylene (PE) pipelines—and to do it faster than with squeezing or any other isolation technology. The system is lightweight and easy to use. Only one technician is required to complete an isolation.

The POLYSTOPP System can isolate PE pipes ranging from 4-inch to 8-inch (101 mm to 203 mm), covers multiple different SDR's and is rated up to 150 psi (9.65bar).

Features

- Tapping machine designed with two feed rates to increase speed of overall tapping procedure: a fast feed for lowering and raising the cutter, and a slow feed for cutting through the pipe
- Pressure balanced machines eliminate resistance during operation.
- Bar locking feature increases safety.
- Cutter is designed to capture shavings, creating a clean plugging surface inside the pipe.
- Design allows for installing machines onto valve in seconds

Specifications

- For PE pipelines 4-inch to 8-inch (101 mm to 203 mm).
- Pressure rating 150 psi (9.65bar).
- Covers multiple standard dimension ratios.
- 2-inch bypass capable.

Common Applications

- Tapping, plugging, completion and branching capability on PE pipe.



POLYSTOPP Quick Connect System

POLYSTOPP Quick Connect Universal Valve

| Size | | Weight | | Part Number |
|--------|-----------|--------|------|----------------------|
| Inches | DN | Lbs. | Kg. | |
| 4 to 8 | 90 to 200 | 48.5 | 22.8 | 75.1537.0100.0400.00 |

P-101 Tapping Machine

| Size | | Weight | | Part Number |
|--------|------------|--------|------|----------------------|
| Inches | DN | ILbs. | Kg. | |
| 4 to 6 | 90 to 200 | 26.5 | 12.6 | 75.2090.0100.0300.00 |
| 8 | 225 to 250 | | | 75.2090.0100.0300.50 |

POLYSTOPP Quick Connect Plugging Machine

| Size | | Weight | | Part Number |
|--------|------------|--------|------|----------------------|
| Inches | DN | Lbs. | Kg. | |
| 3.5 | 90 | 35.3 | 16.6 | 75.0537.0100.0090.50 |
| 4 to 6 | 110 to 200 | 37.5 | 17.9 | 75.0537.0100.0200.50 |
| 8 | 225 to 250 | | | 75.0537.0100.0310.00 |

POLYSTOPP Quick Connect Completion Machine

| Size | | Weight | | Part Number |
|--------|-----------|--------|------|----------------------|
| Inches | DN | Lbs. | Kg. | |
| 4 to 8 | 90 to 200 | 22 | 10.4 | 75.0537.0100.0450.00 |

Universal Valve Calibration Rings

| Size | Weight | | Part Number |
|-------|--------|----------|----------------------|
| | Nom/DN | Lbs. Kg. | |
| 4IPS | 2.2 | 1 | 75.1537.0219.0000.02 |
| 6IPS | 1.1 | .5 | 75.1537.0219.0000.03 |
| 8IPS | | | 75.1537.0219.0220.00 |
| DN90 | 2.6 | 1.2 | 75.1537.0219.0090.00 |
| DN110 | 2.2 | 1 | 75.1537.0219.0110.00 |
| DN125 | 2.0 | .9 | 75.1537.0219.0125.00 |
| DN160 | 1.5 | .7 | 75.1537.0219.0160.00 |
| DN180 | 1.1 | .5 | 75.1537.0219.0180.00 |
| DN225 | | | 75.1537.0219.0220.00 |

Valve to Fitting Adapter

| Size | MWP | Length | | Weight | | Part Number |
|---------------|-----------------|--------|-------|--------|-----|----------------------|
| | | Inches | mm | Lbs. | Kg. | |
| DN90 | 10bar | 7.05 | 170 | 6.2 | 2.8 | 75.1537.0214.0090.00 |
| 4IPS to DN125 | 150psi to 10bar | 7.42 | 188.5 | 5.7 | 2.6 | 75.1537.0214.0110.00 |
| 6IPS to DN200 | 150psi to 10bar | 5.42 | 137.5 | 4.2 | 1.9 | 75.1537.0214.0160.00 |
| 8IPS to DN225 | 150psi to 10bar | | | | | 75.1537.0214.0225.00 |
| DN250 | 10bar | | | | | 75.1537.0214.0250.00 |



POLYSTOPP Quick Connect System

Branching Fittings

| Size | | Weight | | Part Number |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP | Lbs. | Kg. | |
| 4IPS | 150psi | 7.7 | 3.5 | 72.5537.0100.0004.10 |
| 6IPS | 150psi | 13.0 | 5.9 | 72.5537.0100.0006.10 |
| 8IPS | 150psi | | | 72.5537.0100.0008.10 |
| DN110 | 10bar | 6.2 | 2.8 | 72.5537.0100.0110.10 |
| DN125 | 10bar | 6.2 | 2.8 | 72.5537.0100.0125.10 |
| DN160 | 10bar | 9.0 | 4.1 | 72.5537.0100.0160.10 |
| DN180 | 10bar | 9.0 | 4.1 | 72.5537.0100.0180.10 |
| DN200 | 10bar | 11.2 | 5.5 | 72.5537.0100.0200.10 |
| DN225 | 10bar | | | 72.5537.0100.0225.10 |
| DN250 | 10bar | | | 72.5537.0100.0250.10 |

Weld Test Cap

| Size | | Weight | | Part Number |
|-----------------|-----------------|--------|-----|----------------------|
| Nom/DN | MWP | Lbs. | Kg. | |
| DN90 | 10bar | 1.8 | .8 | 72.5537.0219.0050.00 |
| 4IPS to DN125 | 150psi to 10bar | | | 72.5537.0219.0110.00 |
| 6-8IPS to DN250 | 150psi to 10bar | | | 72.5537.0219.0160.00 |

Plugging Fittings

| Size | | Weight | | Part Number |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP | Lbs. | Kg. | |
| 4IPS | 150psi | 6.8 | 3.1 | 72.5537.0100.0004.00 |
| 6IPS | 150psi | 11.2 | 5.1 | 72.5537.0100.0006.00 |
| 8IPS | | | | 72.5537.0100.0008.00 |
| DN90 | 10bar | | | 72.5537.0100.0090.00 |
| DN110 | 10bar | 5.5 | 2.5 | 72.5537.0100.0110.00 |
| DN125 | 10bar | 5.5 | 2.5 | 72.5537.0100.0125.00 |
| DN160 | 10bar | 8.4 | 3.8 | 72.5537.0100.0160.00 |
| DN180 | 10bar | 8.4 | 3.8 | 72.5537.0100.0180.00 |
| DN200 | 10bar | 10.6 | 4.8 | 72.5537.0100.0200.00 |
| DN225 | 10bar | | | 72.5537.0100.0225.00 |
| DN250 | 10bar | | | 72.5537.0100.0250.00 |

Bottom Branch Plugger

| Size | | Weight | | Part Number |
|-----------------|-----------------|--------|-----|----------------------|
| Nom/DN | MWP | Lbs. | Kg. | |
| 4IPS to DN125 | 150psi to 10bar | 4.4 | 2.0 | 75.2090.0234.0100.00 |
| 6-8IPS to DN250 | 150psi to 10bar | 6.8 | 3.1 | 75.2090.0234.0200.00 |



POLYSTOPP Quick Connect System

Tapping Cutter - Top

| Size | Weight | | Part Number |
|---------------|--------|----------|----------------------|
| | Nom/DN | Lbs. Kg. | |
| DN90 | 2.6 | 1.2 | 75.3090.0222.0055.20 |
| 4IPS to DN125 | 3.5 | 1.6 | 75.3090.0222.0071.20 |
| 6IPS | 4.9 | 2.2 | 75.3090.0222.0093.20 |
| DN160 | 4.6 | 2.1 | 75.3090.0222.0090.20 |
| DN180 | 4.9 | 2.2 | 75.3090.0222.0093.20 |
| 8IPS to DN250 | 4.4 | 2.0 | 75.3090.0222.0099.20 |

Tapping Cutter Holder - Top

| Size | Weight | | Part Number |
|-----------------|--------|----------|----------------------|
| | Nom/DN | Lbs. Kg. | |
| DN90 | 1.5 | .7 | 75.3090.0222.0090.10 |
| 4IPS to DN125 | 1.8 | .8 | 75.3090.0222.0110.10 |
| 6-8IPS to DN250 | 2.6 | 1.2 | 75.3090.0222.0160.10 |

Tapping Cutter - Bottom

| Size | Weight | | Part Number |
|-----------------|--------|----------|----------------------|
| | Nom/DN | Lbs. Kg. | |
| 4IPS to DN125 | 2.6 | 1.2 | 75.3090.0222.0061.20 |
| 6-8IPS to DN250 | 3.7 | 1.7 | 75.3090.0222.0080.20 |

Tapping Cutter Holder - Bottom

| Size | Weight | | Part Number |
|-----------------|--------|----------|----------------------|
| | Nom/DN | Lbs. Kg. | |
| 4IPS to DN125 | 2.0 | .9 | 75.3090.0222.0110.15 |
| 6-8IPS to DN250 | 2.9 | 1.3 | 75.3090.0222.0160.15 |

Threaded Plug

| Size | MWP | Weight | | Part Number |
|-----------------|--------------|--------|-----|----------------------|
| | | Lbs. | Kg. | |
| DN90 | 10bar | 1.5 | .7 | 72.5537.0213.0090.00 |
| 4IPS to DN125 | 150psi/10bar | .9 | .4 | 72.5537.0228.0085.00 |
| 6-8IPS to DN250 | 150psi/10bar | .9 | .4 | 72.5537.0228.0106.00 |



POLYSTOPP Quick Connect System

Nose Adapter

| Size | | Weight | | Part Number |
|---------------|--------------|--------|-----|----------------------|
| Nom/DN | MWP | Lbs. | Kg. | |
| 6IPS to DN160 | 150psi/10bar | .8 | .4 | 75.0537.0234.0160.00 |
| DN180 | 10bar | 1.8 | .8 | 75.0537.0225.0180.00 |
| DN200 | 10bar | 2.2 | 1.0 | 75.0537.0234.0200.00 |

Nose Piece - SDR-11

| Size | | Weight | | Part Number |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP | Lbs. | Kg. | |
| 4IPS | 150psi | .3 | .14 | 71.5537.0234.0114.15 |
| 6IPS | 150psi | .7 | .32 | 71.5537.0234.0168.15 |
| 8IPS | 150bar | | | 75.0537.0234.0008.11 |
| DN90 | 10bar | .18 | .08 | 71.5537.0234.0090.15 |
| DN110 | 10bar | .26 | .12 | 71.5537.0234.0110.15 |
| DN125 | 10bar | .34 | .16 | 71.5537.0234.0125.15 |
| DN160 | 10bar | .66 | .30 | 71.5537.0234.0160.15 |
| DN180 | 10bar | .88 | .40 | 71.5537.0234.0180.15 |
| DN200 | 10bar | 1.04 | .48 | 71.5537.0234.0200.15 |
| DN225 | 10bar | | | 75.0537.0234.0225.11 |
| DN250 | 10bar | | | 75.0537.0234.0250.11 |

Nose Piece - SDR-13.5

| Size | | Weight | | Part Number |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP | Lbs. | Kg. | |
| 4IPS | 150psi | .30 | .14 | 71.5537.0234.0110.16 |
| 6IPS | 150psi | .88 | .40 | 71.5537.0234.0160.16 |

Nose Piece - SDR-17

| Size | | Weight | | Part Number |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP | Lbs. | Kg. | |
| 4IPS | 150psi | .34 | .16 | 71.5537.0234.0114.16 |
| 6IPS | 150psi | .88 | .40 | 71.5537.0234.0168.16 |
| 8IPS | 150psi | | | 75.0537.0234.0008.17 |
| DN90 | 10bar | .22 | .10 | 71.5537.0234.0090.20 |
| DN110 | 10bar | .30 | .14 | 71.5537.0234.0110.16 |
| DN125 | 10bar | .44 | .20 | 71.5537.0234.0125.16 |
| DN160 | 10bar | .88 | .40 | 71.5537.0234.0160.16 |
| DN180 | 10bar | 1.20 | .54 | 71.5537.0234.0180.16 |
| DN200 | 10bar | 1.50 | .68 | 71.5537.0234.0200.17 |
| DN225 | 10bar | | | 75.5537.0234.0224.17 |
| DN250 | 10bar | | | 75.5537.0234/0250.17 |



POLYSTOPP Quick Connect System

Sealing Element - SDR-11

| Size | | Weight | | Part Number |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP | Lbs. | Kg. | |
| 4IPS | 150psi | .24 | .11 | 71.5537.0234.0114.10 |
| 6IPS | 150psi | .57 | .26 | 71.5537.0234.0168.10 |
| 8IPS | 150psi | | | 71.5537.0234.0008.16 |
| DN90 | 10bar | .11 | .05 | 71.5537.0234.0090.10 |
| DN110 | 10bar | .22 | .10 | 71.5537.0234.0110.10 |
| DN125 | 10bar | .30 | .14 | 71.5537.0234.0125.10 |
| DN160 | 10bar | .50 | .24 | 71.5537.0234.0160.10 |
| DN180 | 10bar | .60 | .27 | 71.5537.0234.0180.10 |
| DN200 | 10bar | .70 | .32 | 71.5537.0234.0200.10 |
| DN225 | 10bar | | | 71.5537.0234.0225.16 |
| DN250 | 10bar | | | 71.5537.0234.0250.16 |

Nose Piece - SDR-13.5

| Size | | Weight | | Part Number |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP | Lbs. | Kg. | |
| 4IPS | 150psi | .23 | .12 | 71.5537.0234.0110.11 |
| 6IPS | 150psi | .66 | .30 | 71.5537.0234.0160.11 |

Sealing Element - SDR-17

| Size | | Weight | | Part Number |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP | Lbs. | Kg. | |
| 4IPS | 150psi | .26 | .12 | 71.5537.0234.0114.11 |
| 6IPS | 150psi | .70 | .32 | 71.5537.0234.0168.11 |
| 8IPS | 150psi | | | 75.5537.0234.0008.12 |
| DN90 | 10bar | .13 | .06 | 71.5537.0234.0090.11 |
| DN110 | 10bar | .26 | .12 | 71.5537.0234.0110.11 |
| DN125 | 10bar | .37 | .17 | 71.5537.0234.0125.11 |
| DN160 | 10bar | .66 | .30 | 71.5537.0234.0160.11 |
| DN180 | 10bar | .72 | .33 | 71.5537.0234.0180.11 |
| DN200 | 10bar | .90 | .41 | 71.5537.0234.0200.11 |
| DN225 | 10bar | | | 75.5537.0234.0225.12 |
| DN250 | 10bar | | | 75.5537.0234.0250.12 |