

# POLYSTOPP®

## Quick Connect System

Size: 4- to 8-inch, DN90 to DN250



T.D. Williamson

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Universal Valve

### 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 and requiring significantly less excavation space than squeezing or other means of line stopping. 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- to 8-inch (DN90 to DN250), covers multiple different SDR's and is rated up to 150 psi (10 bar).



P-101 Tapping Machine  
P-101 XL Tapping Machine

### 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



Branching Fitting



Plugging Fitting

### Specifications

- For PE pipelines 4- to 8-inch (DN90 to DN250).
- Pressure rating up to 150 psi (10 bar).
- 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 250 | 48.5   | 22.8 | 75.1537.0100.0400.00 |

## Ground Strap Kit

| Part Number                          |
|--------------------------------------|
| Safety Requirement for ALL Valve Use |
| 08.3405.0010.00                      |

## Clamps (required for 8" / DN225 & DN250 application)\*

| Size   |            | Weight |     | Part Number          |
|--------|------------|--------|-----|----------------------|
| Inches | DN         | Lbs.   | Kg. |                      |
| 8      | 225 to 250 | 13.2   | 6   | 75.1537.0225.0225.00 |

\* for use with Universal Valve. Requires Qty 2.

## Universal Valve Calibration Rings

| Size   |  | Weight |     | Part Number          |
|--------|--|--------|-----|----------------------|
| Nom/DN |  | Lbs.   | Kg. |                      |
| 4inch  |  | 2.2    | 1   | 75.1537.0219.0000.02 |
| 6inch  |  | 1.1    | .5  | 75.1537.0219.0000.03 |
| 8inch  |  | 2      | .9  | 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  |  | 2      | .9  | 75.1537.0219.0225.00 |

## Valve to Fitting Adapter

| Size                |                 | Length |       | Weight |     | Part Number          |
|---------------------|-----------------|--------|-------|--------|-----|----------------------|
| Nom/DN              | MWP             | Inches | mm    | Lbs.   | Kg. |                      |
| DN90                | 10bar           | 7.05   | 170   | 6.2    | 2.8 | 75.1537.0214.0090.00 |
| 4inch, DN110 to 125 | 150psi to 10bar | 7.42   | 188.5 | 5.7    | 2.6 | 75.1537.0214.0110.00 |
| 6inch, DN160 to 200 | 150psi to 10bar | 5.42   | 137.5 | 4.2    | 1.9 | 75.1537.0214.0160.00 |
| 8inch               | 150psi          | 9.02   | 229   | 1.4    | 3.2 | 75.1537.0214.0008.00 |
| DN225               | 10bar           | 9.61   | 224   | 1.4    | 3.2 | 75.1537.0214.0225.00 |
| DN250               | 10bar           | 8.31   | 211   | 1.3    | 2.8 | 75.1537.0214.0250.00 |



# POLYSTOPP Quick Connect System

## Branching Fittings

| Size   |        | Weight |      | Part Number           |
|--------|--------|--------|------|-----------------------|
| NOM/DN | MWP    | Lbs.   | Kg.  |                       |
| 4inch  | 150psi | 7.7    | 3.5  | 72.5537.0100.0004.10  |
| 6inch  | 150psi | 13.0   | 5.9  | 72.5537.0100.0006.10  |
| 8inch  | 150psi | 16.5   | 7.5  | 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  | 16.5   | 7.5  | 72.5537.0100.0225.10* |
| DN250  | 10bar  | 24.3   | 11.0 | 72.5537.0100.0250.10* |

\* Bottom Drilling only with P-101 XL Tapping Machine

## Plugging Fittings

| Size   |        | Weight |      | Part Number          |
|--------|--------|--------|------|----------------------|
| NOM/DN | MWP    | Lbs.   | Kg.  |                      |
| 4inch  | 150psi | 6.8    | 3.1  | 72.5537.0100.0004.00 |
| 6inch  | 150psi | 11.2   | 5.1  | 72.5537.0100.0006.00 |
| 8inch  | 150psi | 15.5   | 7.0  | 72.5537.0100.0008.00 |
| DN90   | 10bar  | 4.4    | 2.0  | 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  | 15.5   | 7.0  | 72.5537.0100.0225.00 |
| DN250  | 10bar  | 22.1   | 10.0 | 72.5537.0100.0250.00 |

## Fitting Test Cap

| Size                  |               | Weight |     | Part Number          |
|-----------------------|---------------|--------|-----|----------------------|
| Nom/DN                | MWP           | Lbs.   | Kg. |                      |
| DN90                  | 10bar         | 1.8    | .8  | 72.5537.0219.0050.00 |
| 4inch, DN110 to 125   | 150psi, 10bar | 3.3    | 1.5 | 72.5537.0219.0110.00 |
| 6-8inch, DN160 to 250 | 150psi, 10bar | 3.8    | 1.7 | 72.5537.0219.0160.00 |



# POLYSTOPP Quick Connect System

## P-101 Tapping Machine

| Size           |                        | Weight |      | Travel         |       |       |         |                      |
|----------------|------------------------|--------|------|----------------|-------|-------|---------|----------------------|
| NOM/DN         | Application            | Lbs.   | Kg.  | Overall Length | Total | Fast  | Working | Part Number          |
| 4 in to 6 in   | Plugging and Branching | 26.5   | 12.6 | 61             | 19.77 | 16.27 | 3.50    | 75.2090.0100.0300.00 |
| 8 in           | Plugging               | 26.5   | 12.6 | 61             | 19.77 | 16.27 | 3.50    | 75.2090.0100.0300.00 |
| DN90 to DN200  | Plugging and Branching | 26.5   | 12.6 | 61             | 19.77 | 16.27 | 3.50    | 75.2090.0100.0300.00 |
| DN225 to DN250 | Plugging               | 26.5   | 12.6 | 61             | 19.77 | 16.27 | 3.50    | 75.2090.0100.0300.00 |

## P-101 XL Tapping Machine

| Size          |                        | Weight |     | Travel         |       |       |         |                      |
|---------------|------------------------|--------|-----|----------------|-------|-------|---------|----------------------|
| NOM/DN        | Application            | Lbs.   | Kg. | Overall Length | Total | Fast  | Working | Part Number          |
| 4 in to 8 in  | Plugging and Branching | 33.1   | 15  | 72.50          | 25.50 | 22.00 | 3.50    | 75.2090.0100.0300.50 |
| DN90 to DN250 | Plugging and Branching | 33.1   | 15  | 72.50          | 25.50 | 22.00 | 3.50    | 75.2090.0100.0300.50 |

## Tapping Cutter

| Size                | Weight |     | Part Number          |
|---------------------|--------|-----|----------------------|
| Nom/DN              | Lbs.   | Kg. |                      |
| DN90                | 2.6    | 1.2 | 75.3090.0222.0055.20 |
| 4inch, DN110 to 125 | 3.5    | 1.6 | 75.3090.0222.0071.20 |
| 6inch               | 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 |
| 8inch, DN200 to 250 | 4.4    | 2.0 | 75.3090.0222.0099.20 |

## Holder/Pilot

| Size                  | Weight |     | Part Number          |
|-----------------------|--------|-----|----------------------|
| Nom/DN                | Lbs.   | Kg. |                      |
| DN90                  | 1.5    | .7  | 75.3090.0222.0090.10 |
| 4inch, DN110 to 125   | 1.8    | .8  | 75.3090.0222.0110.10 |
| 6-8inch, DN160 to 250 | 2.6    | 1.2 | 75.3090.0222.0160.10 |

## Tapping Cutter - Bottom Out

| Size                  | Weight |     | Part Number          |
|-----------------------|--------|-----|----------------------|
| Nom/DN                | Lbs.   | Kg. |                      |
| 4inch, DN110 to 125   | 2.6    | 1.2 | 75.3090.0222.0061.20 |
| 6-8inch, DN160 to 250 | 3.7    | 1.7 | 75.3090.0222.0080.20 |

## Holder/Pilot- Bottom Out

| Size                  | Weight |     | Part Number          |
|-----------------------|--------|-----|----------------------|
| Nom/DN                | Lbs.   | Kg. |                      |
| 4inch, DN110 to 125   | 2.0    | .9  | 75.3090.0222.0110.15 |
| 6-8inch, DN160 to 250 | 2.9    | 1.3 | 75.3090.0222.0160.15 |



# POLYSTOPP Quick Connect System

## 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 | 52.91  | 24   | 75.0537.0100.0310.00 |

## Adapter Plate (required for 6" isolation)

| Size         |              | Weight |     | Part Number          |
|--------------|--------------|--------|-----|----------------------|
| Nom/DN       | MWP          | Lbs.   | Kg. |                      |
| 6inch, 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 |

## 8inch/DN225/DN250 Plugging Head Assembly (required for 8" application)\*

| Size   |        |         | Weight |     | Part Number          |
|--------|--------|---------|--------|-----|----------------------|
| Nom/DN | MWP    | SDR     | Lbs.   | Kg. |                      |
| 8inch  | 125psi | 11      | 15.0   | 6.8 | 75.0537.0234.0008.11 |
| 8inch  | 125psi | 13.5    | 15.5   | 7.0 | 75.0537.0234.0225.11 |
| 8inch  | 125psi | 17/17.6 | 16.1   | 7.3 | 75.0537.0234.0008.17 |
| DN225  | 10bar  | 11      | 15.5   | 7.0 | 75.0537.0234.0225.11 |
| DN225  | 10bar  | 17/17.6 | 16.3   | 7.4 | 75.0537.0234.0225.17 |
| DN250  | 10bar  | 9       | 16.1   | 7.3 | 75.0537.0234.0008.17 |
| DN250  | 10bar  | 11      | 16.8   | 7.6 | 75.0537.0234.0250.11 |
| DN250  | 7bar   | 17/17.6 | 17.3   | 7.8 | 75.0537.0234.0250.17 |

\*Plugging head assembly consists of plugging head body and yoke.

## 8inch/DN225/DN250 Plugging Head Body

| Size      |        |                 | Weight |     | Part Number          |
|-----------|--------|-----------------|--------|-----|----------------------|
| Nom/DN    | MWP    | SDR             | Lbs.   | Kg. |                      |
| 8inch     | 125psi | 11/13.5/17/17.6 | 8.0    | 3.6 | 75.0537.0234.0225.02 |
| DN225/250 | 10bar  | 11              | 7.7    | 3.5 | 75.0537.0234.0225.02 |
| DN250     | 7bar   | 17              | 7.0    | 3.2 | 75.0537.0234.0250.02 |

## 8inch/DN225/DN250 Plugging Head Yoke

| Size   |        |      | Weight |     | Part Number          |
|--------|--------|------|--------|-----|----------------------|
| Nom/DN | MWP    | SDR  | Lbs.   | Kg. |                      |
| 8inch  | 125psi | 11   | 7.0    | 3.1 | 75.0537.0234.0008.01 |
| 8inch  | 125psi | 13.5 | 8.0    | 3.6 | 75.0537.0234.0225.01 |
| 8inch  | 125psi | 17   | 8.0    | 3.6 | 75.0537.0234.0008.07 |
| DN225  | 10bar  | 11   | 7.7    | 3.5 | 75.0537.0234.0225.01 |
| DN225  | 10bar  | 17   | 8.5    | 3.9 | 75.0537.0234.0225.07 |
| DN250  | 10bar  | 11   | 9.0    | 4.1 | 75.0537.0234.0250.01 |
| DN250  | 7bar   | 17   | 13.2   | 4.6 | 75.0537.0234.0250.07 |



# POLYSTOPP Quick Connect System

## Bottom Out Plugger

| Size                  |                 | Weight |     | Part Number          |
|-----------------------|-----------------|--------|-----|----------------------|
| Nom/DN                | MWP             | Lbs.   | Kg. |                      |
| 4inch, DN110 to 125   | 150psi to 10bar | 4.4    | 2.0 | 75.2090.0234.0100.00 |
| 6-8inch, DN160 to 250 | 150psi to 10bar | 6.8    | 3.1 | 75.2090.0234.0200.00 |

## Nose Piece - SDR-9

| Size   |        | Weight |     | Part Number          |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP    | Lbs.   | Kg. |                      |
| 4inch  | 150psi | .30    | .14 | 71.5537.0234.0110.15 |
| 6inch  | 150psi | .88    | .40 | 71.5537.0234.0160.15 |

## Nose Piece - SDR-11

| Size   |        | Weight |     | Part Number          |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP    | Lbs.   | Kg. |                      |
| 4inch  | 150psi | .3     | .14 | 71.5537.0234.0114.15 |
| 6inch  | 150psi | .7     | .32 | 71.5537.0234.0168.15 |
| 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 |

## Nose Piece - SDR-13.5

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

## Nose Piece - SDR-17

| Size   |        | Weight |     | Part Number          |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP    | Lbs.   | Kg. |                      |
| 4inch  | 150psi | .34    | .16 | 71.5537.0234.0114.16 |
| 6inch  | 150psi | .88    | .40 | 71.5537.0234.0168.16 |
| 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 |

## Sealing Element - SDR-9

| Size   |        | Weight |     | Part Number          |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP    | Lbs.   | Kg. |                      |
| 4inch  | 150psi | .30    | .14 | 71.5537.0234.0110.10 |
| 6inch  | 150psi | .88    | .40 | 71.5537.0234.0160.10 |



# POLYSTOPP Quick Connect System

## Sealing Element - SDR-11

| Size   |        | Weight |     | Part Number          |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP    | Lbs.   | Kg. |                      |
| 4inch  | 150psi | .24    | .11 | 71.5537.0234.0114.10 |
| 6inch  | 150psi | .51    | .23 | 71.5537.0234.0168.10 |
| 8inch  | 125psi | .57    | .26 | 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  | .51    | .23 | 71.5537.0234.0225.16 |
| DN250  | 10bar  | .55    | .25 | 71.5537.0334.0225.12 |

## Sealing Element - SDR-13.5

| Size   |        | Weight |     | Part Number          |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP    | Lbs.   | Kg. |                      |
| 4inch  | 150psi | .23    | .12 | 71.5537.0234.0110.11 |
| 6inch  | 150psi | .66    | .30 | 71.5537.0234.0160.11 |
| 8inch  | 125psi | .55    | .25 | 71.5537.0234.0225.16 |

## Sealing Element - SDR-17

| Size   |        | Weight |     | Part Number          |
|--------|--------|--------|-----|----------------------|
| NOM/DN | MWP    | Lbs.   | Kg. |                      |
| 4inch  | 150psi | .26    | .12 | 71.5537.0234.0114.11 |
| 6inch  | 150psi | .70    | .32 | 71.5537.0234.0168.11 |
| 8inch  | 125psi | .55    | .25 | 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  | .55    | .25 | 75.5537.0234.0225.12 |
| DN250  | 7bar   | .62    | .28 | 75.5537.0234.0250.12 |

## 8"/DN225/DN250 Sealing Element Kit\*

| Size                        |              | Part Number          |
|-----------------------------|--------------|----------------------|
| NOM/DN                      | MWP          |                      |
| 8inch, SDR11                | 125psi       | 71.5537.0228.0008.16 |
| 8inch, SDR17/DN250, SDR9    | 125psi/10bar | 71.5537.0228.0008.12 |
| 8inch, SDR13.5/DN225, SDR11 | 125psi/10bar | 71.5537.0228.0225.16 |
| DN225, SDR17                | 10bar        | 71.5537.0228.0225.12 |
| DN250, SDR11                | 10bar        | 71.5537.0228.0250.16 |
| DN250, SDR17                | 7bar         | 71.5537.0228.0250.12 |

\*Sealing Element Kits consist of: Sealing Element (1), Right Hook (1), Left Hook (1), Clamps for CLAMPING TOOLS (2), O-Ring for Yoke (2)



# POLYSTOPP Quick Connect System

## POLYSTOPP Quick Connect Completion Machine

| Size   |           | Weight |      | Part Number          |
|--------|-----------|--------|------|----------------------|
| Inches | DN        | Lbs.   | Kg.  |                      |
| 4 to 8 | 90 to 250 | 22     | 10.4 | 75.0537.0100.0450.00 |

## Optional Accessories and Equipment

| Part Name/Description                                | Size                  | Part Number          |
|------------------------------------------------------|-----------------------|----------------------|
| Air Motor                                            |                       | 75.2501.0323.0000.00 |
| Air Motor Socket                                     |                       | 75.2090.0328.0000.00 |
| Express Coupling                                     |                       | 70.9912.1010.1217.00 |
| Oiler                                                |                       | 75.1060.0217.0002.00 |
| Air Hose                                             |                       | 75.2501.0211.0000.00 |
| Coupon Remover                                       | 4inch, DN110 to 125   | 75.0530.0100.0110.00 |
| Coupon Remover                                       | 6-8inch, DN160 to 250 | 75.0530.0100.0160.00 |
| Quick Connect Tapping/Completion Machine Premium Box |                       | 75.0537.0207.0100.20 |
| Quick Connect Valve Premium Box                      |                       | 75.1537.0207.0100.00 |
| Quick Connect 4"/6" Plugging Machine Premium Box*    |                       | 75.0537.0207.0100.10 |
| Quick Connect 8" Plugging Machine Premium Box        |                       | 75.0537.0207.0100.00 |
| Screwdriver Kit for Yoke 8inch/DN225/DN250           |                       | 75.0537.0100.0250.55 |
| Clamping Tool Kit 8inch/DN225/DN250                  |                       | 75.0537.0100.0250.65 |
| Clamp Adapter 8inch/DN225/DN250                      |                       | 75.0537.0306.0250.66 |

\*Can accommodate two (2) plugging machines

## Maintenance Kits

| Part Name/Description                                 | Part Number          |
|-------------------------------------------------------|----------------------|
| Universal Valve Maintenance Kit                       | 78.1510.9400.0000.00 |
| Tapping Machine Maintenance Kit                       | 78.1510.9400.4000.00 |
| Plugging Machine Maintenance Kit (DN90 to DN200)      | 78.1510.9200.0000.10 |
| Plugging Machine Maintenance Kit (DN225/DN250/8-inch) | 78.1510.9400.3000.00 |
| Completion Machine Maintenance Kit                    | 78.1510.9400.6000.00 |
| Retainer Screw Kit                                    | 75.1537.0228.0000.01 |