PLASSON AUSTRALIA

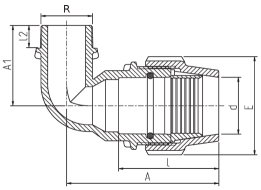
# METRIC 90° ELBOW WITH THREADED MALE OFFTAKE 7850

The Plasson Metric Compression 90° Elbow with Threaded Male Offtake connects metric PE pipe to a BSP female threaded fitting, valve or appliance at a 90° change of direction. Made from heavy-duty polypropylene, it provides an instant watertight seal and a secure grip on the pipe without special tools. Rated PN16 for water, the range is suitable for potable and recycled water, plumbing, compressed air, irrigation and civil applications.

## FEATURES AND BENEFITS

- Heavy-duty polypropylene body — UV, chemical and corrosion resistant
- Captive o-ring creates a watertight connection
- Suitable for potable water — AS/NZS 4020 approved
- Impact and abrasion resistant; compact design for tight spaces
- O-rings and grip rings with higher chemical resistance available






| Product Code | Size d x R | E | I | I2 | A | A1 | Bag | Carton | W | PN |
|---|---|---|---|---|---|---|---|---|---|---|
| 7850016 | 20 x 1/2” | 48 | 57 | 17 | 74 | 41 | 10 | 350 | 55 | 16 |
| 7850017 | 20 x 3/4” | 48 | 57 | 18 | 76 | 43 | 10 | 300 | 64 | 16 |
| 7850018 | 25 x 1/2” | 54 | 58 | 17 | 85 | 47 | 10 | 240 | 70 | 16 |
| 7850019 | 25 x 3/4” | 54 | 58 | 18 | 90 | 48 | 10 | 250 | 79 | 16 |
| 7850020 | 25 x 1” | 54 | 58 | 20 | 90 | 54 | 10 | 240 | 84 | 16 |
| 7850021 | 32 x 3/4” | 64 | 67 | 18 | 104 | 55 | 5 | 140 | 116 | 16 |
| 7850022 | 32 x 1” | 64 | 67 | 20 | 104 | 55 | 5 | 140 | 128 | 16 |
| 7850023 | 32 x 1 1/4” | 64 | 67 | 22 | 104 | 58 | 5 | 140 | 135 | 16 |
| 7850024 | 40 x 1” | 82 | 84 | 20 | 124 | 60 | 1 | 90 | 196 | 16 |
| 7850025 | 40 x 1 1/4” | 82 | 84 | 22 | 124 | 66 | 1 | 90 | 205 | 16 |
| 7850026 | 40 x 1 1/2” | 82 | 84 | 22 | 124 | 66 | 1 | 80 | 220 | 16 |
| 7850027 | 50 x 1” | 96 | 93 | 20 | 140 | 71 | 1 | 55 | 294 | 16 |
| 7850028 | 50 x 1 1/4” | 96 | 93 | 22 | 144 | 74 | 1 | 55 | 335 | 16 |
| 7850029 | 50 x 1 1/2” | 96 | 93 | 22 | 144 | 74 | 1 | 55 | 321 | 16 |
| 7850030 | 50 x 2” | 96 | 93 | 26 | 144 | 76 | 1 | 55 | 373 | 16 |
| 7850031 | 63 x 1 1/4” | 113 | 110 | 22 | 168 | 76 | 1 | 35 | 451 | 16 |
| 7850032 | 63 x 1 1/2” | 113 | 110 | 22 | 168 | 76 | 1 | 35 | 468 | 16 |
| 7850033 | 63 x 2” | 113 | 110 | 26 | 170 | 92 | 1 | 35 | 518 | 16 |
| 7850034 | 75 x 2 1/2” | 134 | 132 | 30 | 202 | 105 | 1 | 18 | 872 | 16 |
| 7850035 | 75 x 3” | 134 | 132 | 33 | 202 | 110 | 1 | 18 | 892 | 16 |
| 7850036 | 90 x 3” | 154 | 165 | 35 | 233 | 110 | 1 | 12 | 1300 | 16 |
| 7850037 | 110 x 4” | 181 | 194 | 42 | 274 | 140 | 1 | 6 | 2258 | 16 |

Dimensions in mm. R = BSP tapered male thread. W = weight in grams. Bag / Carton = units per pack.
63mm MINE style fittings also available.

## MATERIALS

- **Body and nut:** Polypropylene (PPB), high-grade copolymer
- **Grip ring:** Acetal (POM). CPVC available for aggressive chemical applications
- **Seal:** NBR o-ring. EPDM and FPM o-rings available for enhanced chemical resistance

## INSTALLATION

**Metric pipe end:** Before installation ensure that the end of the pipe to be inserted into the fitting is free of scratches and other imperfections, and that both the pipe and the fitting itself are clean of sand, mud, stones etc.
Chamfer and lubricate pipe to aid insertion.
Insert pipe until it hits the end stop.
Tighten firmly by hand.
For fittings 40mm and greater, use a wrench with a maximum handle length of 46cm to tighten a further half a turn.
If fittings are reused, Plasson recommend replacing the grip ring with a new one.

## THREADS

- Male threads are tapered (BSPT), referred to as R.
- Threads to AS ISO 7.1
- Plasson recommend the use of PTFE tape in BSP threaded connections.

## OPERATING TEMPERATURES

Refer to the PIPA POP013 guidelines.
Link: https://pipa.com.au/technical/pop-guidelines/

## QUALITY CERTIFICATES

Plasson fittings are third party certified to conform to AS/NZS 4129:2020. This certification is backed up with WaterMark approval and WSAA Appraisals. All materials are AS/NZS 4020 tested and suitable for use in drinking water.