

EnviroPressure™ Moulded 45° Long Spigot Elbow

Technical Datasheet

General Application

EnviroPressure™ Moulded 45° Long Spigot Elbow fittings are used in pressurised water, mining and industrial pipeline systems to provide a smooth 45° change in direction and reliable connection between PE100 pipe sections.

Technical Data

Table 1. Overview of Characteristics

PARAMETER	SPECIFICATION
Product	Moulded Elbow 45deg L/Spigot
Application	Pressure water, wastewater, Fuel Gas and other fluid systems.
Outside diameter (OD)	20mm to 630mm
Material	High-density polyethylene (HDPE) PE100, High stress crack resistant polyethylene (HSCR) PE100, High-density polyethylene (HDPE) PE112.
Colour	Black
Manufacturing standard	AS/NZS 4129:2020
Joining	Butt welding and electrofusion
SDR range	SDR17, SDR11, and SDR7.4
Pressure classes	PN10, PN16, and PN25
Corrosion / Abrasion resistance	Excellent

Table 2. Product Codes and Dimensions

Description	Prefix	Standard Dimension Ratio ⁽¹⁾	Outside Diameter (mm)	Degree of Bend	
Options :	EFE	SDR7.4 SDR11 SDR17	20	180	45°
			25	200	
			32	225	
			40	250	
			50	280	
			63	315	
			75	355	
			90	400	
			110	450	
			125	500	
			140	560	
			160	630	
Example Product:	180 SDR11 PE100 Moulded L/Spigot Elbow 45deg				
Example Product Code:	EFE	11	180	45	

(1) For other SDR's, ends can be routed.

Joining and Installation

Pipe ends should be square, clean and correctly aligned, welding operators should have competency training.

Applicable Design Standards

AS/NZS 2566.1

AS/NZS 4131

Applicable Installation Standards

AS/NZS 2566.2

AS/NZS 2033

AS/NZS 3500 (all parts)

Chemical Resistance

Refer to Enviro Pipes Catalogue available for download from enviropipes.com.au

Approvals

WaterMark Licence WM72309

Applicable PIPA Guidelines

POP001, POP001A

POP003, POP004,

POP004A, POP005

POP007, POP020

All PIPA Guidelines are available for download from the Plastics Industry Pipe Association of Australia (PIPA) website.



Product Dimensions are tabulated on the Enviro Pipes website.