

GPS Fabricated and spigot fittings

Nominal diameters 25mm – 1200mm (PE80 & PE100)



For electrofusion or butt fusion jointing with polyethylene pipe systems

Range

Product Range			
Long Spigot Fittings		Fabricated Fittings	
<ul style="list-style-type: none"> • Reducers • 90°/45° Elbows • Equal Tees • Stub Flange Assemblies with Backing Rings • Reduced Branch Tees • Flanged Branch Tees 	<ul style="list-style-type: none"> • All Flanged Equal Tees • End Caps • 90°/45°/22.5°/11.25° Formed Bends Normal sizes: 25mm to 400mm (Formed bends may be available up to 1200mm) 	<ul style="list-style-type: none"> • Reducers • 90°/45° Elbows • Equal Tees • Stub Flange Assemblies • SlimFlange Assemblies • Special Flange Assemblies • Reduced Branch Tees 	<ul style="list-style-type: none"> • Flanged Branch Tees • End Caps • 90°/45°/22.5°/11.25° Mitred Bends Normal sizes: 90mm to 1200mm (dependent on type) <p><i>Bespoke fittings of other sizes and shapes may be made to order.</i></p>

Range / pressure rating

Diameter size (mm)	SDR	Material
11	16 bar water	PE100
	12.5 bar water / 5.5 bar gas	PE80
17/17.6	10 bar water	PE100
	3 bar gas	PE80
21	8 bar water	PE100
	2 bar gas	PE80

Colour

Materials	Colour
<p>GPS PE Pipe Systems supplies spigot fittings manufactured using superior grades of PE80 and PE100.</p> <p>Flange backing rings are made from Rilsan (nylon) coated steel or galvanised mild steel. Gaskets are made from EPDM for water use and Nitrile for gas use.</p>	<p>Long Spigot fittings are manufactured in Black PE100 or PE80 for all applications.</p> <p>Blue and Black fabricated fittings for water / general purpose use are made from Black PE100 component shapes, fabricated with PE100 pipe of the appropriate colour manufactured to BS EN 12201-2.</p> <p>Yellow fabricated fittings for gas applications are made from Black PE100 component shapes and fabricated with Yellow PE80 or Yellow PE80/Black PE100RC to GIS/PL2 or BS EN 1555-3.</p>



Specifications

BS EN 12201-3 Plastic piping systems for water supply – Polyethylene (PE) Fittings.	GIS/PL2-6 Polyethylene pipes and fittings for natural gas and suitable manufactured gas. Spigot end fittings for electrofusion and/or butt fusion purposes.	GIS/PL3 Self-anchoring mechanical fittings for natural gas and suitable manufactured gas.	BS EN 12201-3 Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) Fittings.	BS EN 1092-1 Flanges and their joints. Circular flanges for pipes, valves, fittings and accessories, PN designated. Steel flanges.	BS EN 681-2 Elastomeric seals. Material requirements for pipe joint seals used in water and drainage applications. Thermoplastic elastomers.	BS EN 682 Elastomeric seals. Materials requirements for seals used in pipes and fittings carrying gas and hydrocarbon fluids.
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Batch number format

Fittings are manufactured with a 5 or 7 digit code as follows:

1 (Shift period)	2 (Batch reference)	3 (Day of Week)	4-5 (Week No.)	6-7 (Year)
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V1.1-2021