

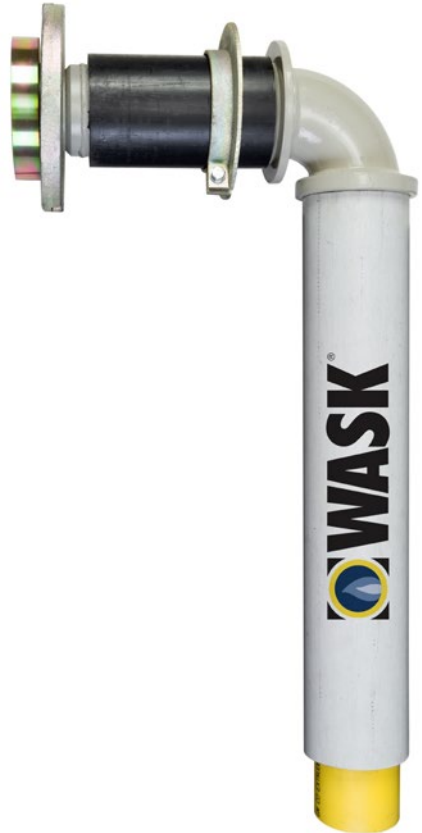
PECAT[®] Factory Entry Elbow Flanged

APPLICATION

Provides a high strength transition fitting for connecting polyethylene gas pipe to a building via a steel 90° elbow and through wall pipe for an above ground connection.

DESCRIPTION

Comprising a PECAT[®] mechanical joint, factory assembled with straight length of PE pipe with a GRP protective cover sleeve, a through wall steel outlet with tight fit PE cover terminating with a corresponding NP16 Split Flange assembly.



PECAT[®] Factory Entry Elbow Flanged

INSTALLATION

1. Preparation of polyethylene pipe end

Preparation of the polyethylene pipe (PE), prior to fusion welding, should be in accordance with the recommendations of the polyethylene pipe, fittings, fusion equipment manufacturers and gas industry standards.

2. Drilling the wall

Once the entry point has been determined, core drill the wall to the minimum diameters shown in the table below.

MINIMUM CORE HOLE DIAMETER	
Branch Size	Diameter
80mm (3")	115mm
100mm (4")	145mm
150mm (6")	205mm

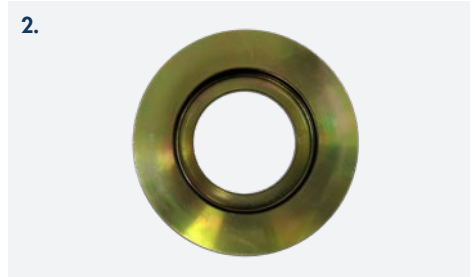
3. Fitting Installation

Remove the Split Flanges, Retaining Ring and Facing Ring from the assembly. **Note:** only remove one of the tie wraps from the Split Flange to keep the 2 parts together.

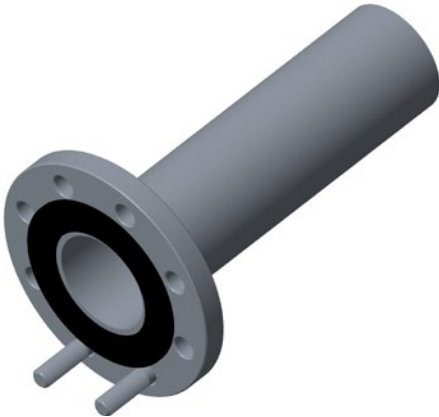
Install the fitting through the wall, ensuring the PE inlet pipe is vertical. Make any required adjustments for length of the inlet pipework, **IMPORTANT**, ensure the GRP Protection Tube and rubber support washer are in place. The electro fusion joint can now be made to the PE pipe. Re-fit and secure the Retaining Ring to the through wall branch.

4. Assembly of the Split Flange

Re-fit the Facing Ring ensuring the O-Ring is present and surfaces are clean, lubricate the O-Ring to help correct seating. Place the Split Flange behind the Facing Ring and use the tie wrap provided to initially secure the Flange in place. Fit 2 Bolts loosely to the lower part of the Flange then place the Flange Gasket between the mating faces of the Flange and Facing Ring. Fit one bolt at the top of the Flange to prevent separation of the parts, ensure the gasket is centralised during the before fitting of the remaining bolts. Hand tighten all the bolts & nuts.

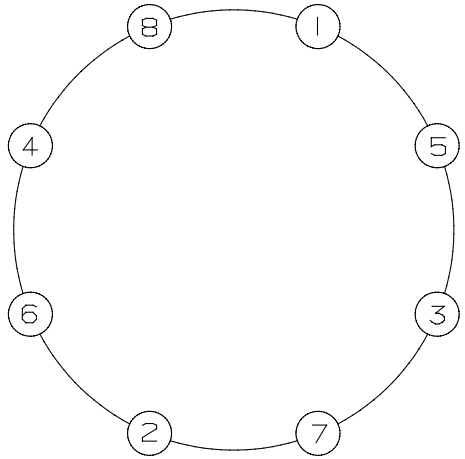


Place the gasket as shown below:



Tighten bolts diametrically opposite as per the sequence shown above. The bolts must be thoroughly tightened to the torque figure stated, working around the flange as many times as necessary. On completion, the gap between the flanges should be even all the way around.

BOLT TIGHTENING SEQUENCE



BOLTING TORQUE TABLE	
NP16 Flange Size	Torque (+10%)
	Min Nm
80mm	70
100mm	75
150mm	115

Pressure test the installation to industry approved method.

SPECIFICATION

Meets GIS/PL3:2014 requirements,
BSI Kite Mark accredited - KM535530.

MAXIMUM OPERATING PRESSURE

Maximum Operating Pressure (MOP) = 2.0 Bar.

PE X OUTLET SIZES

90mm SDR17.6 x 80 NP16 to 180mm
SDR17.6 x 150 NP16.



To visit our Video Library go to:
www.youtube.com/user/CraneBSU



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