

EasiFit[®]

NEW

Encapsulate - Repair & Restore

An ideal under pressure repair solution for damaged pipelines

DN80 - DN200

DN100
AVAILABLE NOW

OTHER SIZES DN80, DN150 & DN200
AVAILABLE LATER THIS YEAR

 **VIKING JOHNSON[®]**

A smart design for sealing leaks and restoring pipe connections under mains pressure

Encapsulation collars are essential when repairing damaged pipe sections without full replacement. EasiFit enables live repairs under pressure, avoiding costly shut-offs and maintaining supply — ideal for emergency response and planned maintenance.

By reducing leakage, minimising customer disruption, and supporting compliance with regulatory targets, EasiFit helps utilities improve operational efficiency within AMP frameworks. It's a fast, low-impact solution for ageing networks under pressure.

Wide tolerance applications
8° Angularity to accommodate oval or irregular pipe shapes, and pipe misalignment.

Stainless steel nuts and bolts for corrosion protection



Suitable for cast iron (CI), ductile iron (DI), asbestos cement (AC), and steel pipes.

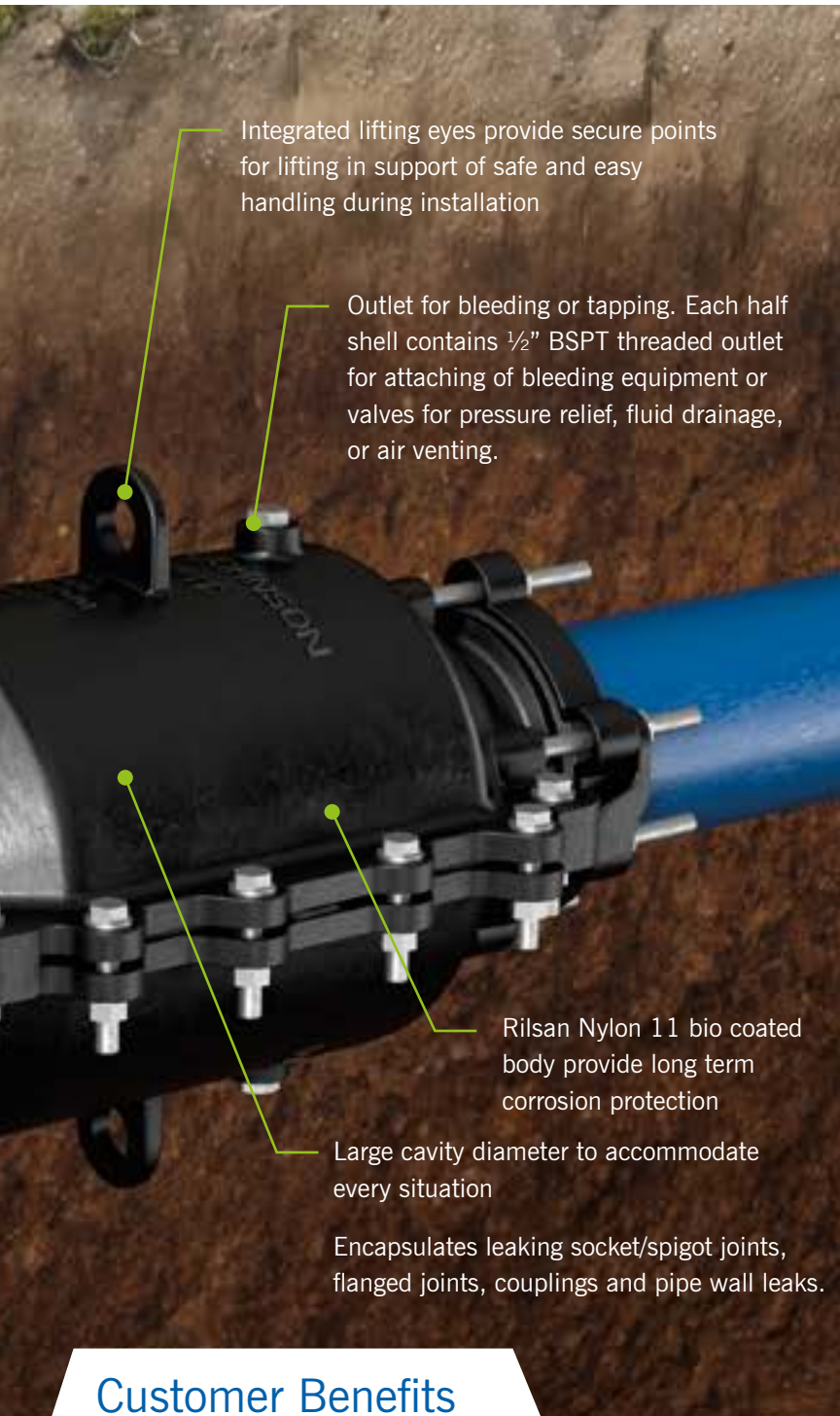


Designed to withstand working pressures up to 16 bar.

Overview

EasiFit is suitable for both potable water and wastewater applications. The encapsulation collar provides the perfect solution for permanent under-pressure repairs of socket/spigot joints, flanged joints, couplings and pipe wall leaks on ductile iron, cast iron, asbestos cement and steel pipelines.

It also supports emergency response, planned maintenance, and strategic resilience upgrades, making them a versatile and cost-effective solution in modern water network management.



Integrated lifting eyes provide secure points for lifting in support of safe and easy handling during installation

Outlet for bleeding or tapping. Each half shell contains ½" BSPT threaded outlet for attaching of bleeding equipment or valves for pressure relief, fluid drainage, or air venting.

Rilsan Nylon 11 bio coated body provide long term corrosion protection

Large cavity diameter to accommodate every situation

Encapsulates leaking socket/spigot joints, flanged joints, couplings and pipe wall leaks.

Repair solutions



Encapsulate leaking spigot/socket joints



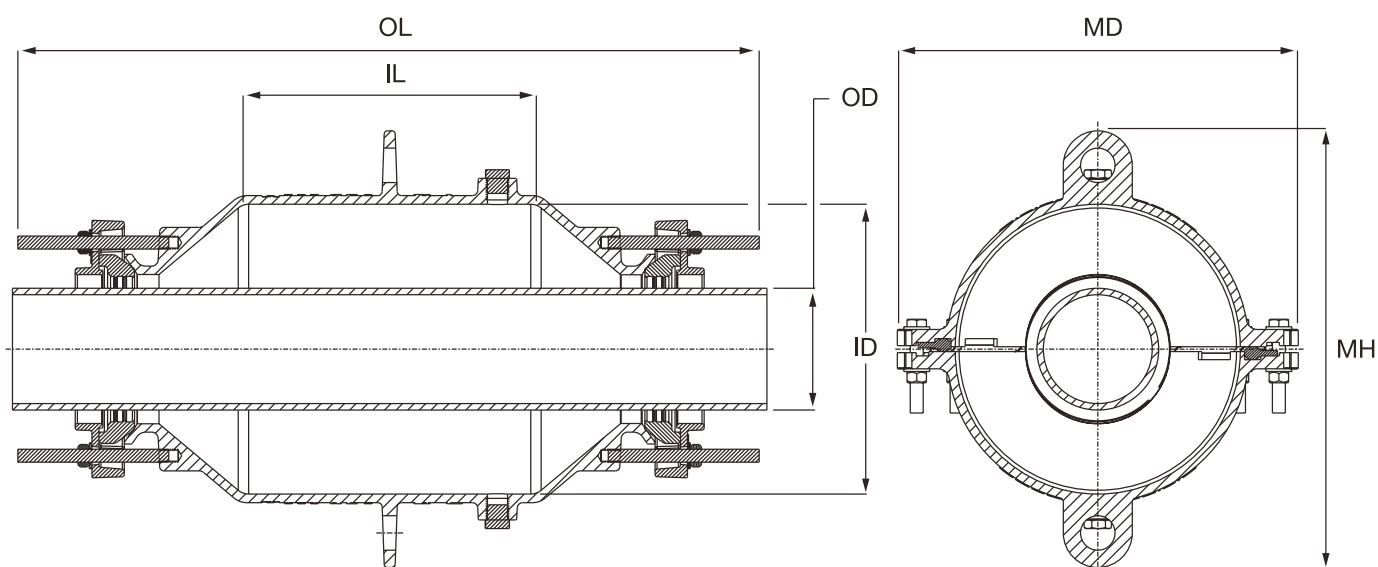
Encapsulate leaking mechanical couplings



Encapsulate leaking flanged joints

Customer Benefits

- 16 bar working pressure.
- Repairs for leaking joints: spigot and socket joints, mechanical couplings, or flanged joints.
- Complies with BS8561 and KIWA standards & tested to BS851 and KIWA requirements
- Can be installed while the pipeline is still pressurised. Avoids water shut-off, chlorination, and sampling - minimising disruption to customers.
- React quickly to urgent emergency repairs to quickly restore integrity to damaged sections.
- Permanent sealing providing a long-term solution with WRAS-approved seals and coatings.
- Universal fitting that is suitable for ductile iron, cast iron, asbestos cement and steel pipelines.
- Large setting gaps allow operative bigger tolerances for cutting and positioning pipes.



EasiFit Encapsulation Collar

Nominal Diameter		OD Range (mm)		MD (mm)	MH (mm)	Internal Diameter (ID) mm	Internal Length (IL) mm	Overall Length (OL) mm	Bolts No. Dia x Length	Studs No. Dia x Length	Weight (Kg)
Inches	mm	Min	Max								
3"	80	87.9	101.6	347	376	233	258.6	686	12-M12 x 70	12-M12 x 140	37
4"	100	113	127	372	405	259	258.6	687	12-M12 x 70	12-M12 x 140	39
6"	150	163.9	180.6	451	482.5	335	296.7	750	12-M12 x 70	12-M12 x 140	60
8"	200	219	240.6	486.2	518	372.5	334.8	799	12-M12 x 70	12-M12 x 140	73

Technical Information

Working Pressure Rating

Water 16 bar.

Vacuum Pressure

Capable of accommodating a vacuum pressure of -0.8 bar.

Site Test Pressure

1.5 times working pressure for short duration (2 hours).

Angularity

EasiFit fittings are able to accommodate total angular deflection between failed pipe joints of up to 8°.

Bolt Torque/Spanner:

M12; Torque 80-100Nm on every bolt

Spanner size A/F 19mm

Temperature Rating of Product

Operating temperature -20°C to +60°C

End Load Due to Internal Pressure

EasiFit DOES NOT resist end load due to the internal pressure - adequate external restraint must be provided to prevent pipe pull out.

Pressure release outlet

1/2" BSPT threaded

Approvals

The following water contact materials used in EasiFit are approved for use with potable water:-

Rilsan Nylon 11:

➤ WRAS, DVGW, W270, ACS & KIWA

EPDM Gaskets:

➤ WRAS

Product:

BS8561, KIWA (Internally tested as per requirements)

Materials & Relevant Standards

Housing Shells

Ductile Iron to BS EN 1563 Symbol EN GJS-450-10

End Rings

Ductile Iron to BS EN 1563 Symbol EN GJS-450-10

Gaskets

EPDM compound Grade E to BS EN 681-1, Type WA, WC

Coatings

Body:

➤ Rilsan Nylon 11 to WIS 4-52-01 (Part1)

Bolts/Studs/Nuts/Washers:

➤ DeltaSeal to WIS 4-52-03

Bolts

Stainless steel - BS EN ISO 3506-1 Grade A4-80

Studs

Stainless steel - BS EN ISO 3506-1 Grade A4-80

Nuts

Stainless steel - BS EN ISO 3506-2 Grade A4-80

Washers

Stainless steel - BS1449:PT2 Grade 304 S15

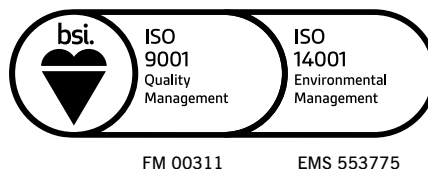


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