



CaseCore LinkSeal - Blue

TYPE BC AND TYPE BS316 SS

ESPECIALLY SUITABLE FOR PLASTIC PIPE
INSTALLATIONS.

LS 200 TO LS 700



Ultimate Solutions.
Intelligent Delivery.

PRODUCT RANGE



Type BC	Type BS316SS
Galvanized Steel	Stainless Steel (316)

PRODUCT INFORMATION

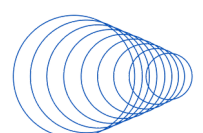
The **CaseCore Link Seal** is a premium modular mechanical sealing system engineered to provide a reliable watertight, gas-tight and radon-tight seal between the carrier pipe and casing pipe. Designed for both new installations and retrofit applications, the system seals the annular space by compressing high-performance EPDM rubber sealing elements between glass fibre reinforced polyamide pressure plates.

Manufactured from high-quality materials, the CaseCore Link Seal delivers long-term sealing performance while accommodating pipe movement and dimensional tolerances. **Available with galvanised steel or 316 stainless steel** fasteners and a choice of standard or soft EPDM rubber compounds, the range can be selected to suit steel, cast iron and plastic pipe applications across civil, water, wastewater, industrial and utility infrastructure projects.

Its modular design enables fast installation, simplifies inventory management and provides a cost-effective sealing solution for a wide range of pipe diameters.

KEY PROPERTIES

	BC	BS 316SS
Colour	Blue	
Rubber Compound	Soft EPDM	
Rubber Hardness	EPDM, 40 ± 5 Shore A	
Bolt Material	Galvanised Steel	A4-70 Stainless Steel (316)
Pressure Plates	Glass Fibre Reinforced Polyamide 6-30	
Operating Temperature	-40°C to +80°C	
Recommended Pipe Material	Plastic Pipes	
Pressure Rating	Up to 3.0 bar	
Seal Performance	Watertight, Gas-tight & Radon-tight	
Fire Classification	Class E (EN 13501-1)	



● KEY FEATURES

- Creates a reliable watertight, gas-tight and radon-tight seal between carrier pipes and casing pipes
- Suitable for both new installations and retrofit applications
- Modular design accommodates a wide range of pipe diameters and wall penetrations
- Available with galvanised steel or 316 stainless steel fasteners to suit different operating environments
- Standard black EPDM compound for steel, cast iron and cable applications
- Soft blue EPDM compound specifically designed for plastic pipe systems
- Provides electrical isolation between the carrier pipe and casing pipe
- Helps minimise vibration and reduce structure-borne noise
- Durable glass fibre reinforced polyamide pressure plates deliver long-term mechanical performance
- Fast and straightforward installation with no special tools required
- Standard configurations available for quick delivery
- Cost-effective sealing solution for civil, utility, industrial and infrastructure projects



● APPLICATIONS

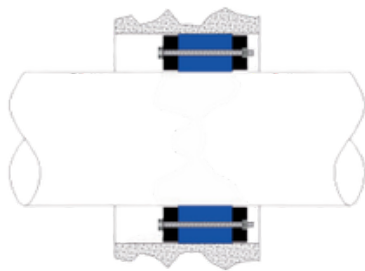
The CaseCore Link Seal is designed to seal the annular space between carrier pipes and casing pipes across a wide range of applications, including:

- Water transmission pipelines
- Wastewater and sewer pipelines
- Stormwater infrastructure
- Road and railway crossings
- Utility and service conduits
- Building wall penetrations
- Pump stations and treatment plants
- Industrial process pipelines
- Cable duct installations
- Retrofit pipe sealing applications
- Cathodically protected steel pipeline systems

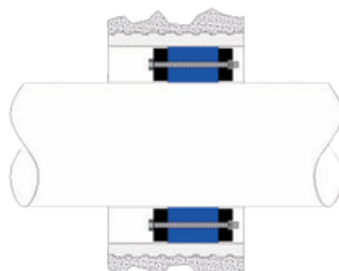
Note: CaseCore Link Seal is not recommended for thin-walled flexible plastic pipes, such as pre-insulated district heating pipe systems.

Examples for applications:

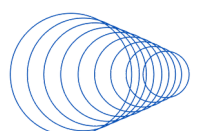
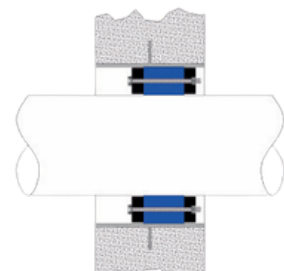
In core drilled hole



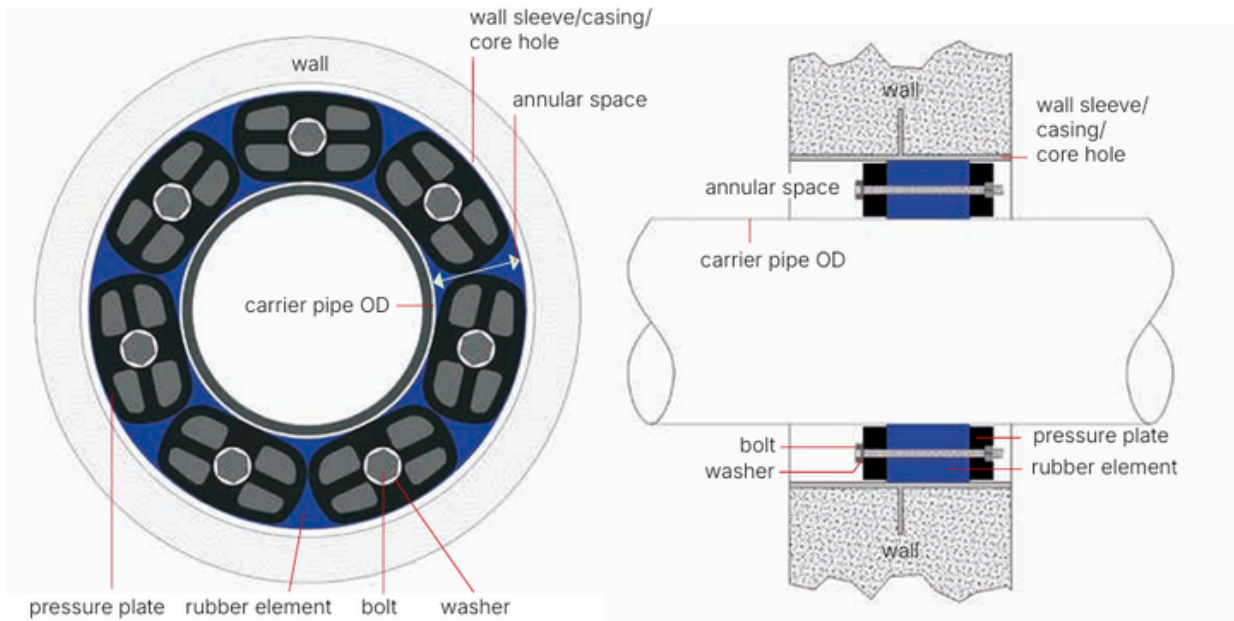
In wall sleeve made of fibre cement



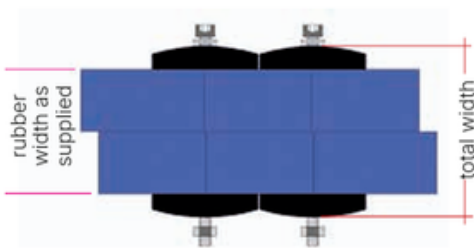
In steel wall sleeve with puddle flange (anchor flange)



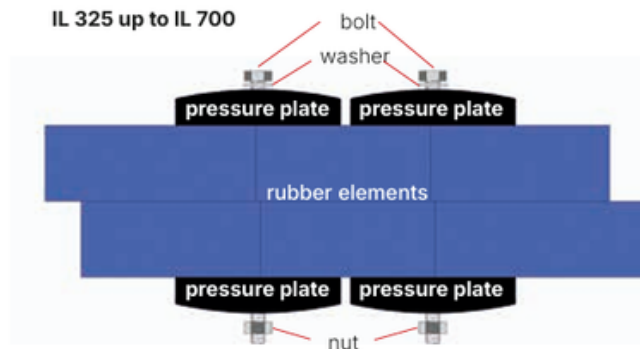
MODULAR WALL PENETRATION SEALS



IL 100 up to IL 315



IL 325 up to IL 700



IL 100 - IL 315

- Bolts with inner hex head
- Solid pressure plates

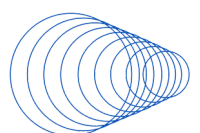


IL 325 - IL 700

- Bolts with outer hex head
- Profiled pressure plates



The determined effective sealing surface (T_e) must be at least as large as the required minimum wall thickness for the selected CaseCore LinkSeal type. If the effective sealing surface (T_e) is at least 40 mm (for core holes from Di 800 mm at least 80 mm), alternatively a Compakt seal can be selected.



DIMENSIONS IN MM

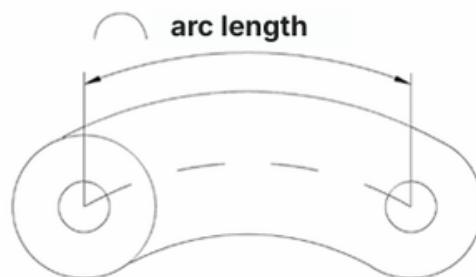
Link Seal Type	sealing range		arc length	carrier pipe		width of rubber part when delivered	total width when delivered	Minimum amount elements/ ring	min. wall thickness	bolt	Head of bolts	tool size
	min.	max.		min. Ø	max. Ø							
IL 100	9.0	12.5	31.0	25.0	219.0	45	60	4	60	M 4 × 60	Inner hexhead	3 mm
IL 200	12.5	15.7	30.0	21.3	323.9	45	63	4	63	M 5 × 70	Inner hexhead	4 mm
IL 265	16.0	20.0	41.0	50.0	406.4	45	63	5	63	M 5 × 70	Inner hexhead	4 mm
IL 275	16.0	20.0	25.6	0.0	90.0	45	63	4	63	M 5 × 70	Inner hexhead	4 mm
IL 300	18.0	22.5	41.0	44.5	273.0	65	90	5	90	M 6 × 90	Inner hexhead	5 mm
IL 310	18.0	22.5	57.0	60.3	406.4	65	90	5	90	M 6 × 90	Inner hexhead	5 mm
IL 315	21.1	26.0	38.4	37.0	323.9	65	90	5	90	M 6 × 90	Inner hexhead	5 mm
IL 325	23.2	30.0	79.0	133.0	711.0	65	100	6	100	M 6 × 100	Outer hexhead	10 mm
IL 340	25.5	34.0	41.4	30.0	323.9	65	100	4	100	M 6 × 100	Outer hexhead	10 mm
IL 360	32.0	42.0	55.1	40.0	406.4	65	100	5	100	M 6 × 100	Outer hexhead	10 mm
IL 400	36.0	46.0	93.1	139.7	1220.0	85	125	6	125	M 8 × 130	Outer hexhead	13 mm
IL 410	37.0	48.5	67.6	60.3	323.9	85	125	5	125	M 8 × 130	Outer hexhead	13 mm
IL 425	28.0	37.0	93.1	144.0	1220.0	85	125	6	125	M 8 × 130	Outer hexhead	13 mm
IL 440	44.0	55.0	99.0	139.7	1220.0	85	125	6	125	M 8 × 130	Outer hexhead	13 mm
IL 475	41.0	48.5	68.6	60.3	1220.0	85	125	5	125	M 8 × 130	Outer hexhead	13 mm
IL 500	60.0	71.5	99.8	100.0	1220.0	90	140	5	140	M 10 × 150	Outer hexhead	17 mm
IL 525	55.0	63.5	99.8	133.0	1220.0	90	140	6	140	M 10 × 150	Outer hexhead	17 mm
IL 575	48.0	58.0	79.3	88.9	1220.0	90	140	5	140	M 10 × 150	Outer hexhead	17 mm
IL 615	81.0	98.0	155.5	219.0	3000.0	100	165	6	165	M 12 × 180	Outer hexhead	19 mm
IL 625	81.0	98.0	106.7	88.9	2000.0	100	165	5	165	M 12 × 180	Outer hexhead	19 mm
IL 650	69.0	84.0	106.7	88.9	2000.0	100	165	5	165	M 12 × 180	Outer hexhead	19 mm
IL 700	95.0	110.0	155.5	219.0	3000.0	100	165	6	165	M 12 × 180	Outer hexhead	19 mm

SELECTING THE SEAL

Annular Space Calculation

$$\frac{\text{casing pipe ID} - \text{carrier pipe OD}}{2} = \text{annular space}$$

Choose CaseCore Link Seal Elements Types for annular space from table to calculate the right quantity.

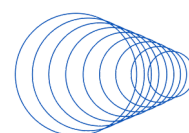


Quantity of Elements

$$\frac{\text{casing pipe ID} + \text{carrier pipe OD}}{2} \times 3.14 = \text{bolt circle : arc length} = \text{amount of elements*}$$

*Mathematical rounding:

when... .49 round down to the nearest whole number of elements -
when... .50 round up to the nearest whole number of elements



PRODUCT CODES

Type	Link Seal BC	Link Seal BS 316SS
IL 100	CCLSGA-10059	CCLSGA-10089
IL 200	CCLSGA-10060	CCLSGA-10090
IL 265	CCLSGA- 10061	CCLSGA-10091
IL 275	CCLSGA-10062	CCLSGA-10092
IL 300	CCLSGA-10063	CCLSGA-10093
IL 310	CCLSGA-10064	CCLSGA-10094
IL 315	CCLSGA-10065	CCLSGA-10095
IL 325	CCLSGA-10066	CCLSGA-10096
IL 340	CCLSGA-10067	CCLSGA-10097
IL 360	CCLSGA-10068	CCLSGA-10098
IL 400	CCLSGA-10069	CCLSGA-10099
IL 410	CCLSGA-10070	CCLSGA-10100
IL 425	CCLSGA-10071	CCLSGA-10101
IL 440	CCLSGA-10072	CCLSGA-10102
IL 475	CCLSGA-10073	CCLSGA-10103
IL 500	CCLSGA-10074	CCLSGA-10104
IL 525	CCLSGA-10075	CCLSGA-10105
IL 575	CCLSGA-10076	CCLSGA-10106
IL 615	CCLSGA-10077	CCLSGA-10107
IL 625	CCLSGA-10078	CCLSGA-10108
IL 650	CCLSGA-10079	CCLSGA-10109
IL 700	CCLSGA-10080	CCLSGA-10110

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