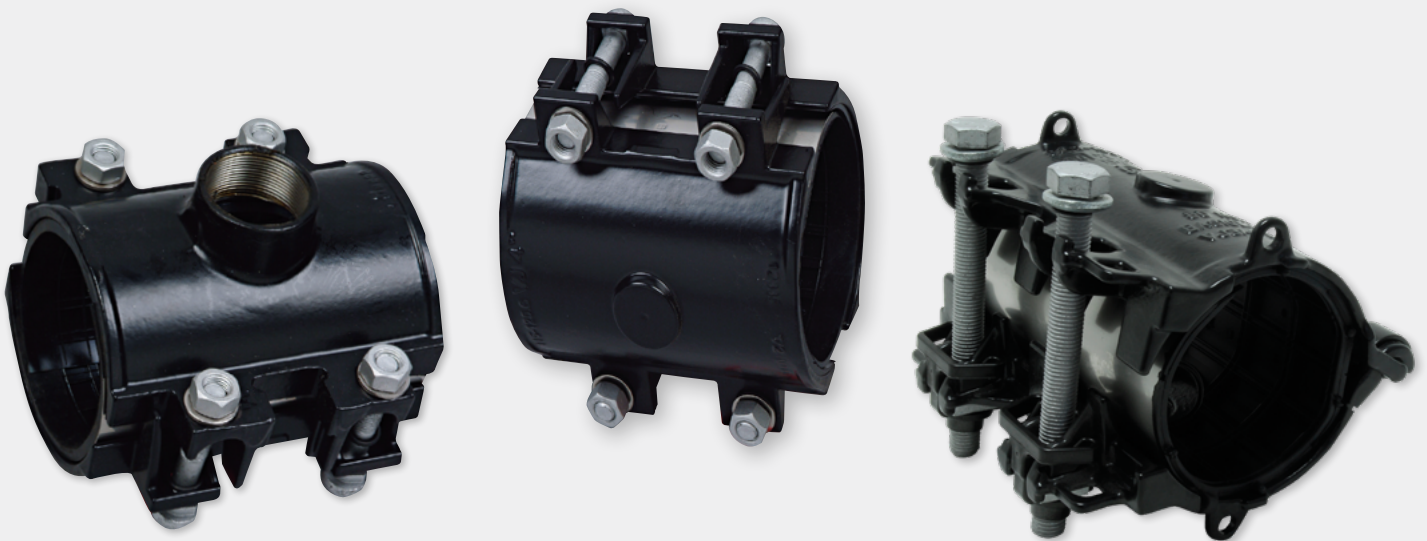


Viking Johnson Tapping and Repair Clamps

Viking Johnson EasiTap and EasiClamp repair clamps are a comprehensive range of world class, permanent, under pressure repair and tapping solutions.



TECHNICAL GUIDE: **PF6.1**

Applications

Pipeline repair
Pipeline lateral connections

Product Attributes

Suits a wide range of pipe materials
A reliable seal with waffle gasket
Can be installed under pressure from outside the trench
Sheraplex nuts & bolts standard

Approvals/Standards

WRAS, AS/NZS 4020

Quality

ISO 9001:2008 Quality Management
ISO 14001 Environmental Management

Viking Johnson EasiTap and EasiClamp repair clamps are a comprehensive range of world class, permanent, under pressure repair and tapping solutions.

Design Specifications

- Suitable for most Cast Iron, Ductile Iron, Steel, PVC and AC pipes (depending on outside diameter)
- Unique 100% circumferential "Waffle" gasket provides a leak tight seal and caters for circumferential or longitudinal cracks
- Up to 24 mm tolerance
- 16 bar working pressure (water)
- Self retaining bolts reduce the potential loss of bolts during installation
- No specialist installation equipment is required, just a torque wrench to confirm correct bolt torque
- Accelerated age tests (AAT) to verify 50 years design life expectancy
- PN16 rated

Materials and Relevant Standards

Housing

- Tapped Housing - Ductile Iron to BS EN 1563 SYMBOL EN-GJS-450-10 or Malleable Cast Iron to BS EN 1562
- SYMBOL EN-GJMB-350-10 (D&T outlet only)
Plain Housing - Ductile Iron to BS EN 1563
SYMBOL EN-GJS-450-10

Bridging Plate

- Stainless Steel to BS1449: Part 2 Grade 304S15 2B Finish

Gasket

- Grade E, 60 IRHD EPDM to BS2494 W+D

Bolts/Bolt Torque/Spanner Size

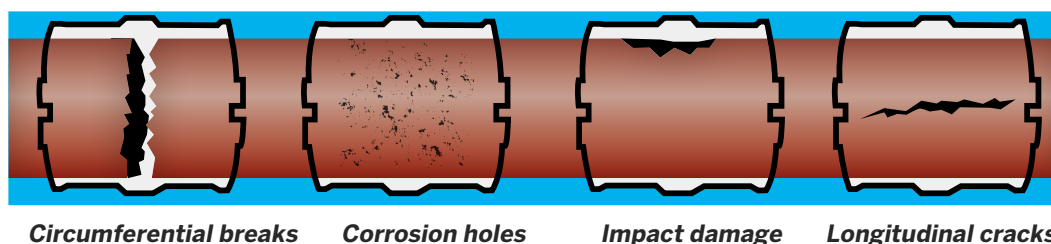
- Standard - Steel to BS EN ISO 898-1 Property Class 4.8
- Option - Stainless Steel to BS EN ISO3506-1 Grade A2 Property Class 70
 - M12 = 55 to 65Nm / A/F 19mm
 - M16 = 95 to 110Nm / A/F 24mm
- Nuts
 - Standard - Steel to BS 4190 Grade 4
 - Option - Stainless Steel to BS EN ISO3506-2 Grade A4 Property Class 80
- Washers
 - Standard - Stainless Steel to BS 1449:Part 2 Grade 304 S15
 - Option - Stainless Steel to BS EN ISO3506-1 Grade A2 Property Class 50

Coating

- Tapped Housing - Rilsan Nylon 11 to WIS 4-52-01 (Part1)
- Plain Housing - Rilsan Nylon 11 to WIS 4-52-01 (Part1)
- Bolts & Nuts - Sheraplex to WIS 4-52-03

Approvals

- All water contact materials are WRAS and AS/NZS 4020 approved for use with potable water.



Circumferential breaks

Corrosion holes

Impact damage

Longitudinal cracks

EasiBoss and EasiClamp

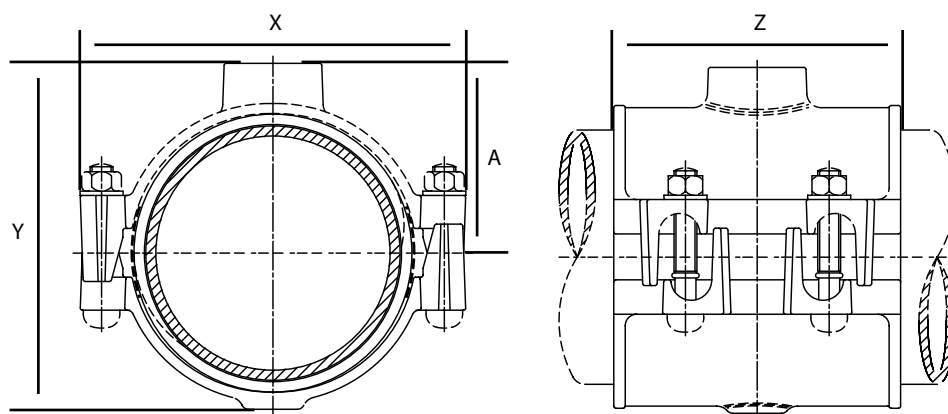


FIG. 1 Easi Boss

TABLE 1 Easi Boss

Code	DN	OD Range Min-Max (mm)	X (mm)	Y Max (mm)	Z (mm)	Bolt Size No.- Dia x Length	Outlet BSP Threaded Size	Weight (kg)
EC100T50	100	115-125	211	167	200	4-M16 x 95mm	2"	6
EC150T50	150	166-181	267	217	200	4-M16 x 95mm	2"	8.3
EC200T50S	200	216-226	313	269	200	4-M16 x 95mm	2"	9.5
EC200T50	200	230-243	328	281	200	4-M16 x 95mm	2"	10.8
EC225T50	225	243-267	362	307	212	4-M16 x 120mm	2"	13.6
EC250T50	250	269-294	395	322	250	6-M16 x 120mm	2"	18.5
EC300T50	300	323-349	450	387	300	8-M16 x 120mm	2"	25.2

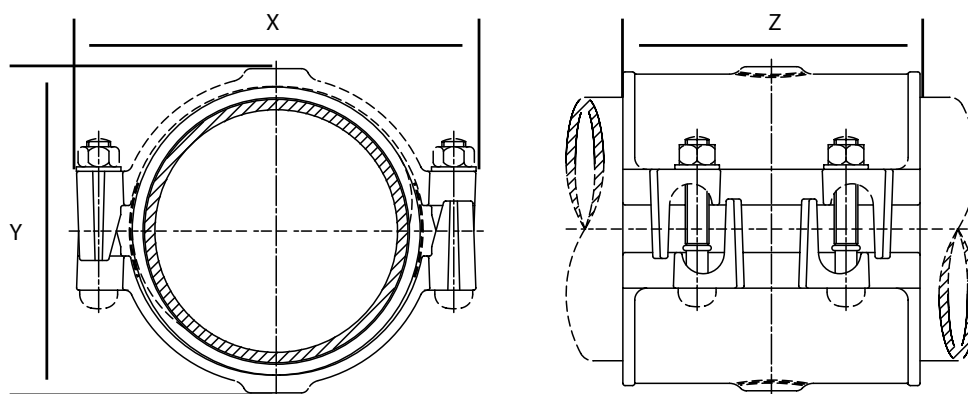


FIG. 2 Easi Clamp

TABLE 2 Easi Clamp

Code	DN	OD Range Min-Max (mm)	X (mm)	Y Max (mm)	Z (mm)	Bolt Size No.- Dia x Length	Outlet BSP Threaded Size	Weight (kg)
EC050	50	66-75	150	110	200	4-M12 x 65	3/4"	4.1
EC125	125	141-154	239	182	200	4-M16 x 95	2"	7.5
EC175	175	200-210	296	238	200	4-M16 x 95	2"	9
EC200	200	216-226	313	269	200	4-M16 x 95	2"	9.5
EC200L	200	230-243	328	281	200	4-M16 x 95	2"	10.8
EC225	225	243-267	362	307	212	4-M16 x 120	2"	13.6
EC250	250	269-294	395	322	250	6-M16 x 120	2"	18.5
EC300	300	323-349	450	387	300	8-M16 x 120	2"	25.2

Remote Easi Clamp

Working Pressure = 16bar (water)

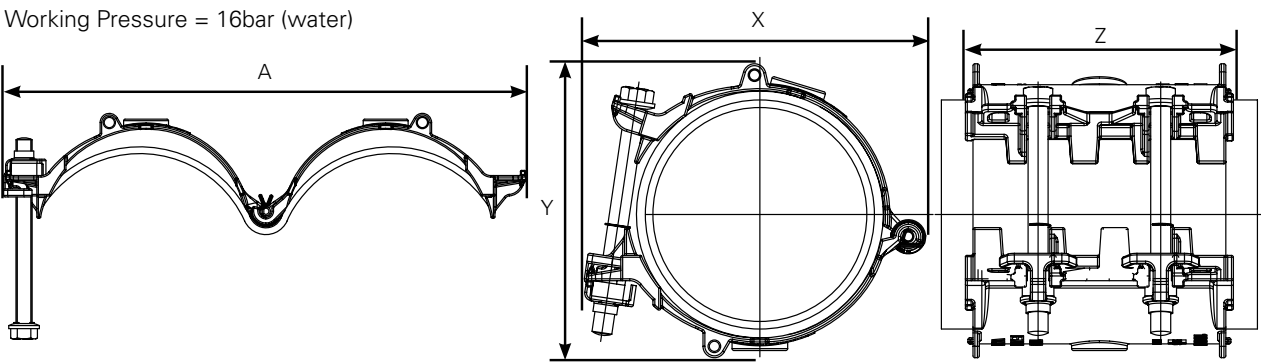


FIG. 3

TABLE 3 Remote Easi Clamp

Code	DN	OD Range Min-Max (mm)	X (mm)	Y Max (mm)	Z (mm)	A (mm)	Bolt Size No.- Dia x Length	Gasket Mould No.	Weight (kg)
EC080	80	92-103	182	175	212	347	2-M16 x 165	13094	4.8
EC100	100	115-125	207	186	212	395	2-M16 x 165	13095	5.3
EC150	150	162-181	264	233	212	512	2-M16 x 185	13096	6.9



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information

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January 2024