

# New Ensign EEZI-FIT

## A question of time? The answer's EEZI

Ensign EEZI-FIT is a new push-fit range of socketed fittings and couplings in 100mm and 150mm diameters, designed and Kitemark approved for above ground gravity sanitary applications, that combines all the benefits of cast iron with the simplicity of push-fit assembly.

## Push-fit assembly

All the benefits of cast iron with the advantages of push-fit assembly. The system utilises a new gasket design that makes jointing simple, and completed in seconds. (Electrical continuity can be accommodated – see page 58).

## Compatibility with Ensign

EEZI-FIT connects to standard Ensign double spigot pipe and is fully compatible with all Ensign plain ended fittings. The installation of an Ensign mechanical joint positioned in the system can allow dismantling for future retrofit.

## New connections to waste

The EEZI-FIT range includes many options to connect to waste pipes, providing even greater system flexibility, branches, single and double radius curve with four boss options, and short boss pipes with single option to three boss positions. New multi-waste manifold connectors are now available for connection to low-level waste pipes, with long tail spigots to avoid the need for a joint in the floor slab.

## Ideal for flats and apartments

Ensign EEZI-FIT is the ideal system for flats and apartments where the main stack will unlikely change in time, and the specification will demand a high level of acoustic performance and fire safety.

## Ease of installation

Ensign EEZI-FIT provides opportunities for the installer to improve installation time, and also reduce time allocated for testing the stacks after completion.

## Applications

EEZI-FIT is intended for use for gravity above ground sanitary applications in accordance with BS EN 12056 (0.5 bar performance).

## Acoustic performance

EEZI-FIT has been tested to BS EN 14366 criteria and recorded acoustic levels even lower than Ensign, 4dB(A) at 2 l/s and 9dB(A) at 4 l/s. The acoustic difference between Ensign EEZI-FIT and standard HDPE and plastic is massive, and can only strengthen the case for using EEZI-FIT in flats/apartments where acoustic performance is so important (see table on page 9).

## Comparing the difference

To establish what installation benefits and potential cost savings EEZI-FIT can provide SG PAM commissioned the BRE to witness the installation of specimen waste pipe layouts. The objective of the study: to compare and contrast the installation speed and subsequent time of Ensign EEZI-FIT against other systems. Carried out under strict laboratory conditions, further investigation was also undertaken on real-life sites to add practical credibility to the laboratory results.

## Fire performance

Cast iron EEZI-FIT is non-combustible, and fire rated A1.

## EEZI-FIT saves time and money

'Time is money' is what everyone learns early in life. And why so many now appreciate the benefits of EEZI-FIT, the quick-to-install, push-fit cast-iron drainage system incorporating a range of socketed fittings and couplings for sanitary gravity applications.

EEZI-FIT is significantly quicker to install than HDPE system fusion-welded welded systems for vertical and soil waste stacks.

EEZI-FIT needs no specialist installation tools like HDPE and stainless steel systems that, over a number of weeks generate significant additional hire costs which must be allowed for when comparing different materials.

# Pipes Double Spigot

EP000



Product code	Dia	A Max O/dia	B Min I/dia	Min section	C Metre lengths available	Nominal wt/kg
156563	100	112	97.5	3	3	24.5
156827	150	162	146.25	3.5	3	41.0

Pipes coated internally with a two part epoxy and externally with a red protective coating (see page 100).

# Coupling

EZ001 - EEZI-FIT coupling



Product code	Dia	A	C	Nominal wt/kg
208191	100	85	40	1.3
216312	150	114	55	2.0

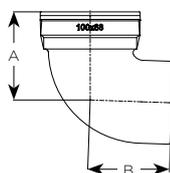
Assembly instructions (see page 63).  
Gasket spare are available in bags of 10 - Product code 208204.  
For electrical continuity see page 58.

# Bends Short Radius

EZ002 - 88° EEZI-FIT bend



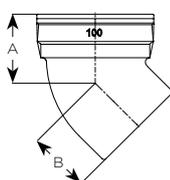
Product code	Dia	A	B	C	Nominal wt/kg
208192	100	112	108	40	2.3
216313	150	154	145	50	5.0



EZ002 - 45° EEZI-FIT bend



Product code	Dia	A	B	C	Nominal wt/kg
208193	100	73	69	40	1.9
216319	150	102	94	50	4.0

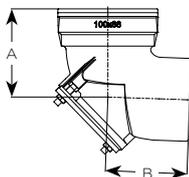


## Bends With Access

EZ005 - 88° EEZI-FIT bend  
 • Short radius door back



Product code	Dia	A	B	C	Nominal wt/kg
208194	100	112	108	40	3.4
216315	150	154	145	50	5.7

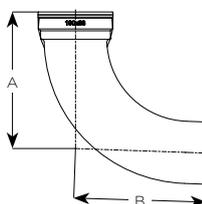


## Bends Long Radius

EZ02L - 88° EEZI-FIT bend  
 • Long radius



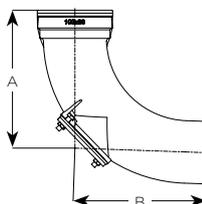
Product code	Dia	A	B	C	Nominal wt/kg
215953	100	243	233	40	4.5



EZ05L - 88° EEZI-FIT bend  
 • Long radius door back

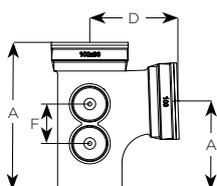


Product code	Dia	A	B	C	Nominal wt/kg
215952	100	243	233	40	5.6



## Single Branches

EZ06R - Single branch 88°  
 • Swept radius curve



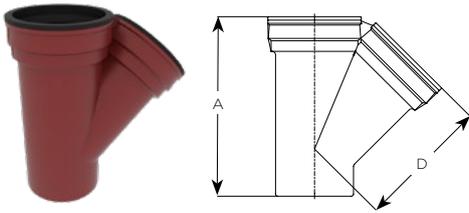
Product code	Dia	A	B	C	D	E	F	G	Nominal wt/kg
208195	100 x 100	250	210	40	145	105	68	148	5.6
216342	150 x 100	292	237	50	185	130	68	185	70

To make boss connections see page 80.

Rubber grommets to connect to 54mm OD copper or 56mm OD UPVC waste are supplied separately in bags of 10. (Product code 20B205).

See design guidance in accordance with BSEN12056 part 2 (see page 79).

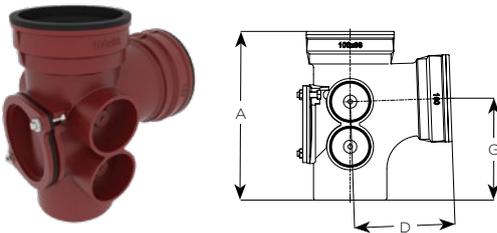
## EZ006 - Single branch 45°



Product code	Dia	A	B	C	D	Nominal wt/kg
208196	100 x 100	250	210	40	183	4.1
216320	150 x 100	270	215	50	227	6.5
216341	150 x 150	353	298	50	265	8.9

## EZ07R - Single branch 88° with access

- Swept radius curve



Product code	Dia	A	B	C	D	E	F	G	Nominal wt/kg
208197	100 x 100	250	210	40	145	105	68	148	6.7
216314	150 x 100	292	237	50	185	130	68	185	8.0

To make boss connections see page 80.

Rubber grommets to connect to 54mm OD copper or 56mm OD UPVC waste are supplied separately in bags of 10. (Product code 208205).

See design guidance in accordance with BSEN12056 part 2 (see page 79).

## Double Branch

### EZ010R - Double branch 88°

- Swept radius curve

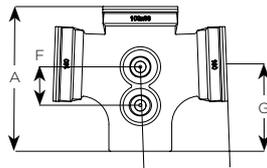


Product code	Dia	A	B	C	D	E	F	G	Nominal wt/kg
208198	100 x 100	250	210	40	145	105	68	148	6.0

If 45° double branch is required, use ENSIGN EF010 code 191509 with EEZI-FIT couplings.

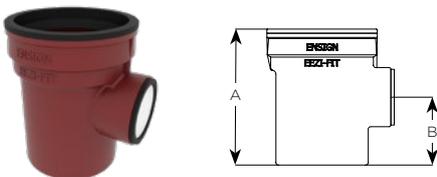
To make boss connections see page 80.

Rubber grommets to connect to 54mm OD copper or 56mm OD UPVC waste are supplied separately in bags of 10. (Product code 208205).



## Boss Pipes

### EZ090 - Single boss pipe 1 x 50mm push-fit



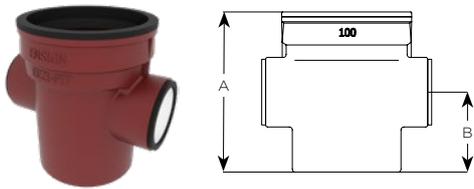
Product code	Dia	A	B	Nominal wt/kg
208199	100	158	82	2.1

Supplied with rubber grommets to connect to 54mm OD copper or 56mm OD UPVC waste.

For connections to 38/32 waste - see page 76.

# Boss Pipes

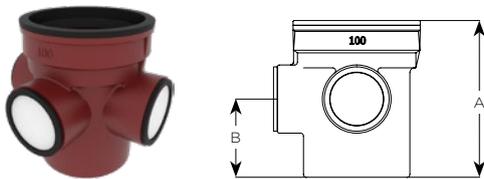
EZ092 - Double boss pipe  
2 x 50mm push-fit



Product code	Dia	A	B	Nominal wt/kg
208200	100	158	82	2.3

Supplied with rubber grommets to connect to 54mm OD copper or 56mm OD UPVC waste.  
For connections to 38/32 waste - see page 76.

EZ092 - Double boss pipe  
EZ093 - Triple boss pipe  
50mm push-fit

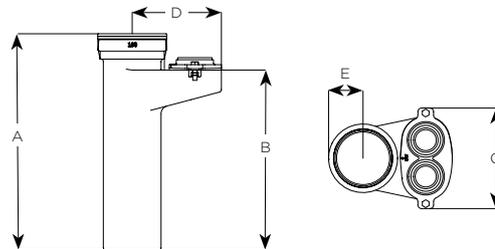


Product code	Dia	A	B	Nominal wt/kg
208201	100	158	82	2.3
208202*	100	158	82	2.5

Supplied with rubber grommets to connect to 54mm OD copper or 56mm OD UPVC waste.  
For connections to 38/32 waste - see page 76.  
\*Triple boss pipe

# Manifold Connector

EZ094 - Manifold connector



Product code	Dia	A	B	C	D	E	Nominal wt/kg
208203	100	410	345	190	170	66	6.6

Supplied with rubber grommets to connect to 54mm OD copper or 56mm OD UPVC waste.  
For typical applications - see page 76.

# Multi-Waste Manifold

NEW

EZ095 - For low level waste connections

Product code	Dia	A	B	C	D	E	F	G	H	I	J	K	Nominal wt/kg
261139	100	582	445	39	340	200	45	174	23	165	120	100	12.6
261435	150	566	445	39	345	235	55	155	25	220	170	160	16.8

6x2" BSP waste inlets.  
Supplied with 5 blanking plugs.  
See installation instructions on page 77.

