

ENSIGN DRAIN

Ductile Iron Bracket

ED048

DESCRIPTION

The Ensign Drain two-part ductile iron bracket is designed for restraining pipe and fittings to structural elements, such as the concrete slab or floors.

The bracket can be used in vertical or horizontal applications.

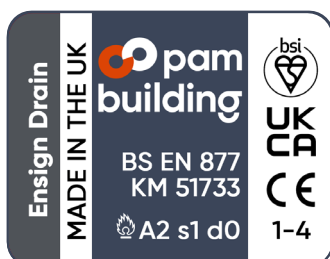
RECOMMENDED USE

- Domestic use
- Wastewater
- Rainwater
- Runoff water
- Hot effluents

STANDARDS & APPROVALS

- Industry product standard: BS EN 877
- Range fire classification: A2, s1, d0

IDENTIFICATION LABEL



MATERIALS & COATINGS

- Ductile iron
- Internally and externally coated grey, powder epoxy resin coating, min. average thickness 150µm
- 2x zinc & clear mild steel hex head bolts (M8) with matching nuts

TECHNICAL FEATURES

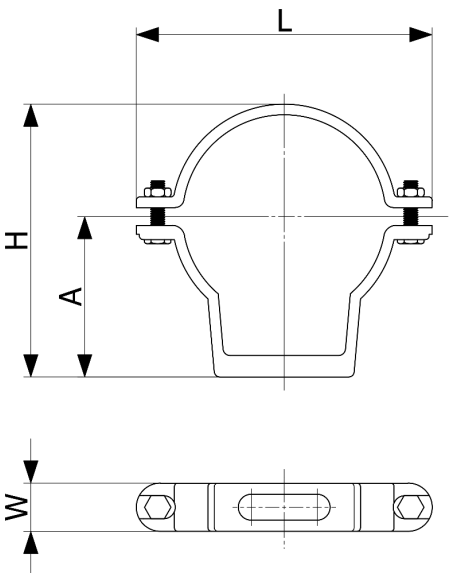
- Hot water resistance: 24hr @ 95°C
- Thermal cycle resistance: 1500 cycles between 15°C and 93°C
- Chemical resistance for $1 \leq \text{pH} \leq 13$, up to 80°C
- Salt spray resistance internal coating: more than 3000h
- Salt spray resistance external coating: more than 1500h

ENVIRONMENTAL DATA

- Percentage of recycled content: 99%
- Recycling information: Cast iron is 100% recyclable through the existing recycling industrial network.

Data source: Environmental Product Declaration S-P-02191

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DN	L	H	W	A	WEIGHT (KG)	PRODUCT CODE
100	166	153	27	90	0.6	175593
150	214	204	30	116	0.8	175594
200	267	266	35	150	1.5	177743

Threaded rod requirements:

- 100mm diameter pipe = M10
- 150mm & 200mm diameter pipe = M12

Installation guidelines:

- 2 x brackets per 3m length of pipe is recommended; the first bracket needs to be placed within 300mm of the pipe joint and the second bracket to be placed no more than 1.5m from the first bracket
- Threaded rod can be attached via the elongated slot on the bracket, onto the structural element, e.g. concrete slab
- Threaded bar drops should not exceed 1m in length – if for any reason the threaded bar requires to be longer than 1m in length, then 2 x drops of threaded bar will be required
- We recommend 2 x lengths of threaded bar for pipework 200mm diameter and above

Accessories:

- 0.4l grey touch up paint – 216318
- Recommended couplings for connections – ED001/ED004/EC002HP
- For connection from Timesaver Drain to Ensign, please use the TD02 stepped coupling

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