

Kitemark™ Certificate

This is to certify that:

Electrosteel Castings Limited
30 B.T. Road
Khardah
24 Parganas (North)
West Bengal
700 115
India

Holds Certificate Number:

KM 39560

In respect of:

BS EN 545
Ductile iron pipes, fittings, accessories and their joints for water pipelines

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.



For and on behalf of BSI:

Gary Fenton, Global Product Certification Director

First Issued: 1998-05-12

Latest Issue: 2017-06-14



Kitemark™ Certificate

No. KM 39560

BS EN 545:2010 - Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods.

Ductile iron pipe:

Description	Nominal Size	Length (m)
Pipes with push-in flexible joints	DN 80 – DN 300 (inc.) Class 40	5.5 or 6.0
Pipes with push-in flexible joints	DN 80 – DN 1100 (inc.) Class K & C Series	5.5 or 6.0
Pipes with restrained joint - ELECTROLOCK®	DN 80 – DN 700 (inc.) Class K & C Series	5.5 or 6.0
Pipes with welded on flanges	DN 80 – DN 1100 (inc.)	Up to 5.5

Ductile iron pipe fittings:

Type	Size Range
Flanged Sockets	DN 80 – DN 1000
Flanged Spigots	DN 80 – DN 1000
Collars (MJC) & Socket	DN 80 – DN 1000
Double Socket 45° Bends	DN 80 – DN 1000
Double Socket 22°30' Bends	DN 80 – DN 1000
Double Socket 11°15' Bends	DN 80 – DN 1000
Double Socket 90° Bends	DN 80 – DN 300 *DN 350 - DN 1000
Double Flange 11°15' Bends	DN 80 – DN 400 *DN 450 - DN 1000
Double Flange 22°30' Bends	DN 80 – DN 400 *DN 450 - DN 1000
Double Flange 45° Bends	DN 80 – DN 1000
Double Flange 90° Bends	DN 80 – DN 1000
Double Flange Duck-Foot 90° Bend	DN 80 – DN 600 *DN 700 - DN 1000
All Socket Tees	DN 80 – DN 300 *DN 350 - DN 1000
Double-Socket Tees with Flanged Branch	DN 80 – DN 1000
Double Socket Tapers	DN 80 – DN 1000
Double Flange Tapers	DN 80 – DN 1000
All-Flanged Tees	DN 80 – DN 1000
Blank Flanges	DN 80 – DN 1000

A range of fittings complying with the technical requirements of BS EN 545 but not described in clauses 8.3 & 8.4 are also certified - BSI Test Reports 285/7174836 & C139705/2 refer and include the larger dimensions* referenced above and the following items on page 3:-

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Ductile iron pipe fittings - continued:

Non standard fittings

Type	Size Range
All Flange Radial Tee	DN 80 - DN 1000
Double Flanged Long Radius Bend	DN 80 - DN 1000
Double Flange Pipe	DN 80 - DN 1000
All Flange Y Tee (45°)	DN 80 - DN 1000
Single Flange Puddle Pipe	DN 80 - DN 1000
Flange Bell Mouth	DN 80 - DN 1000
Single Socket Bend (45°)	DN 80 - DN 1000
All Socket Equal Cross	DN 80 - DN 1000
Single Flange Bend (90°)	DN 80 - DN 1000
Double Socket With Level Invert Flange Tee	DN 80 - DN 1000
Double Flange Socket Branch Tee	DN 80 - DN 1000

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