



# Kitemark™ Licence

This is to certify that:

## **Electrosteel Castings Limited**

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

Holds Kitemark Licence 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 Licence 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 Licence provided at or from the above address.

For and on behalf of BSI:

Gary Fenton, Global Assurance Director

First Issued: 12/05/1998

Latest Issue: 13/06/2014



## 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
Double Flange 11°15' Bends	DN 80 – DN 400
Double Flange 22° 30' Bends	DN 80 – DN 400
Double Flange 45° Bends	DN 80 – DN 1000
Double Flange 90° Bends	DN 80 – DN 1000
Double Flange Duck-Foot Bend	DN 80 – DN 600
All Socket Tees	DN 80 – DN 300
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 Report 285/7174836 refers.

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