

Kitemark™ Certificate

This is to certify that:

Tata Steel Limited
Metaliks Division, PO: Samraipur,
PS: Kharagpur
District: Paschim Midnapur
Kharagpur, West Bengal
721301
India

Holds Certificate Number:

KM 639475

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:

Shahm Barhom, Group Product Certification Director

First Issued: 2024-06-03

Effective Date: 2024-06-03

Latest Issue: 2024-06-03

Expiry Date: 2027-06-02



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Kitemark™ Certificate

No. KM 639475

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

Product:	Pipes (non-flange type) Material: Ductile iron Installation/use: Above or below External coating: Zinc layer followed by either: *1 Bitumen *2 Blue epoxy Branded as: Mfg Loc 000: Tata Ductura Mfg Loc 001: Tata Ductura Internal lining: *3 Cement *4 Epoxy														
Description	Nominal size, DN/OD (mm)	Lgth (m)	Pressure rating											Mfg. Loc	
			PN10	PN16	PN25	K9 ^{*5}	K12 ^{*5}	C20	C25	C30	C40	C50	C64		C100
Pipes with push-in flexible joints <small>*1, 2* 3*</small>	DN 80 – 300	5.5	-	-	-	✓	✓	-	-	-	✓	✓	✓	✓	000
Pipes with push-in flexible joints <small>*1, 2* 3*</small>	DN 350 - 600	5.5	-	-	-	✓	✓	-	-	✓	✓	✓	✓	-	000
Pipes with push-in flexible joints <small>*1, 2* 3*</small>	DN 700 - 800	5.5	-	-	-	✓	✓	-	✓	✓	✓	✓	-	-	000
Notes: *1, *2 External coatings in accordance with BS EN 545 (clause 4.5.2) and holding WRAS material approval. *3, *4 Internal linings in accordance with BS EN 545 (clause 4.5.3) and holding WRAS material approval. *5 Denotes class K9 and K12 are as per BS EN 545:2006. General note: Only products denoted by a '✓' are covered for the specific pressure rating stated.															

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 To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

Kitemark™ Certificate

No. KM 639475

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

Product:	Pipes (flange type) Material: Ductile iron Installation/use: Above or below External coating: Zinc layer followed by either: *1 Bitumen *2 Blue epoxy Branded as: Mfg Loc 000: Tata Ductura Mfg Loc 001: Tata Ductura Internal lining: *3 Cement *4 Epoxy														
Description	Nominal size, DN/OD (mm)	Lgth (m)	Pressure rating											Mfg. Loc	
			PN10	PN16	PN25	K9 ^{*5}	K12 ^{*5}	C20	C25	C30	C40	C50	C64		C100
Pipes with Cast-on Flanges (non-centrifugally casted) *1, 2* 3*, 4*	DN 80 - 300	≤2	✓	✓	✓	-	-	-	-	-	-	-	-	-	001
Pipes with Cast-on Flanges (non-centrifugally casted) *1, 2* 3*, 4*	DN 350 - 600	≤2	✓	✓	✓	-	-	-	-	-	-	-	-	-	001
Pipes with Cast-on Flanges (non-centrifugally casted) *1, 2* 3*, 4*	DN 700 - 1000	≤2	✓	✓	✓	-	-	-	-	-	-	-	-	-	001
Notes: General note:	*1, *2 External coatings in accordance with BS EN 545 (clause 4.5.2) and holding WRAS material approval. *3, *4 Internal linings in accordance with BS EN 545 (clause 4.5.3) and holding WRAS material approval. *5 Denotes class K9 and K12 are as per BS EN 545:2006. Only products denoted by a '✓' are covered for the specific pressure rating stated.														

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

Product:	Fittings (flange type)						
	Material:	Ductile iron					
	Installation/use:	Above or below					
	External coating:	Zinc layer followed by either: *1 Bitumen *2 Blue epoxy			Internal lining:	*3 Cement *4 Epoxy	
	Branded as:	Mfg Loc 001: Tata Ductura					
Description	Nominal Size, DN/OD (mm)	External Coating	Internal Coating	Pressure rating			Mfg. Loc.
				PN10	PN16	PN25	
Flanged socket	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Flanged spigot	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Double Flanged 11.25° Bends	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Double Flanged 22.5° Bends	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Double Flanged 45° Bends	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Double Flanged 90° Bends	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Double Flanged Duckfoot 90° Bend	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Double Flanged Long Radius 90° Bends	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Flanges	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001

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

Product:	Fittings (flange type) continued.....						
	Material:	Ductile iron					
	Installation/use:	Above or below					
	External coating:	Zinc layer followed by either: *1 Bitumen *2 Blue epoxy				Internal lining:	
	Branded as:	Mfg Loc 001: Tata Ductura				*3 Cement *4 Epoxy	
Description	Nominal Size, DN/OD (mm)	External Coating	Internal Coating	Pressure rating			Mfg. Loc.
				PN10	PN16	PN25	
Blank flanges	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Reducing flanges	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Double Flanged Tapers (Concentric & Eccentric)	DN 80 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
All Flanged Radial Tees	DN 50 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
All Flanged Tees (Level Invert Outlet)	DN 50 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
All Flanged Tees	DN 50 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Double Socket Tees with Flanged Branch	DN 50 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001
Double Socket Tees with Flanged Branch (Level Invert Outlet)	DN 50 – 1000	*1, 2*	*3, 4*	✓	✓	✓	001

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Product:	Fittings (non-flange type)			
	Material:	Ductile iron		
	Installation/use:	Above or below		
	External coating:	Zinc layer followed by either:		
		Internal lining:	*1 Bitumen	*3 Cement
Branded as:	Mfg Loc 001: Tata Ductura			
Description	Nominal Size, DN/OD (mm)	External Coating	Internal Lining	Mfg. Loc.
Mechanical Joint & Socket Joint Collars	DN 80 – 1000	*1, 2*	*3, 4*	001
Double Socket 11.25° Bends	DN 80 - 1000	*1, 2*	*3, 4*	001
Double Socket 22.5° Bends	DN 80 – 1000	*1, 2*	*3, 4*	001
Double Socket 45° Bends	DN 80 – 1000	*1, 2*	*3, 4*	001
Double Socket 90° Bends	DN 80 – 1000	*1, 2*	*3, 4*	001
All Socket Tees	DN 80 – 1000	*1, 2*	*3, 4*	001
All Socket Tees (Level Invert Outlet)	DN 80 – 1000	*1, 2*	*3, 4*	001
Double Socket Tapers (Concentric & Eccentric)	DN 50 – 1000	*1, 2*	*3, 4*	001

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