

K I T E M A R K L I C E N C E



No. KM 67015

BSI hereby grants to:

Jinan Meide Casting Co., Ltd.
No. 3 Nanmen Road
Pingyin
Jinan
250400
China

In respect of:

BS 143 & 1256/BS EN 10242

Malleable cast iron and cast copper alloy threaded pipe fittings

the right and Licence to use the Kitemark in accordance with the Kitemark Licence Conditions of Contract governing the use of the Kitemark, as may be updated from time to time by BSI, and as approved by the Registrar under the Trade Marks Act 1994 (the "Conditions"). All defined terms in this Licence shall have the same meaning as in the Conditions.

The Kitemark is authorized to be affixed to the Product(s), manufactured at, or provided from, the address above and in conformity with the Standard(s) detailed on the following pages.

For and on behalf of BSI:

Anne Boyd, Divisional Director, Product Services Operations



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Date: 29 Apr 2003

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BS EN 10242, BS 143 & BS 1256 - Malleable cast iron and cast copper alloy threaded pipe fittings

BLACK FIGURE NO.	GALVANIZED FIGURE NO.	DESCRIPTION	FITTING SIZE (INCHES)
TS140	TS140G	HEX BUSH M & F REDUCING	$\frac{1}{4} \times \frac{1}{4}$, $\frac{3}{8} \times \frac{1}{4}$, $\frac{3}{8} \times \frac{1}{2}$, $\frac{1}{2} \times \frac{1}{4}$, $\frac{1}{2} \times \frac{1}{2}$, $\frac{1}{2} \times \frac{3}{8}$, $\frac{3}{4} \times \frac{1}{4}$, $\frac{3}{4} \times \frac{3}{8}$, $\frac{3}{4} \times \frac{1}{2}$, $1 \times \frac{1}{4}$, $1 \times \frac{3}{8}$, $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, 1×1 , $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, 1×1 , $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, 1×1 , $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, 1×1 , $1 \times \frac{1}{2}$, $2 \times \frac{1}{4}$, $2 \times \frac{1}{2}$, 2×1 , $2 \times \frac{1}{4}$, $2 \times \frac{1}{2}$, 2×1 , $2 \times \frac{1}{4}$, $2 \times \frac{1}{2}$, $\frac{1}{2}$, 4×2 , 4×3 .
TS144	TS144G	HEX NIPPLE	$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$, 2 .
TS145	TS145G	HEX NIPPLE M. REDUCING	$\frac{1}{4} \times \frac{1}{4}$, $\frac{3}{8} \times \frac{1}{4}$, $\frac{1}{2} \times \frac{1}{4}$, $\frac{1}{2} \times \frac{3}{8}$, $\frac{3}{4} \times \frac{3}{8}$, $\frac{3}{4} \times \frac{1}{2}$, $1 \times \frac{1}{4}$, $1 \times \frac{3}{8}$, $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, 1×1 , $1 \times \frac{1}{2}$, 2×1 .
TS147	TS147G	PLUG (PLAIN HOLLOW)	$\frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$, 2 , $2 \frac{1}{2}$, 3 , 4 .
TS148	TS148G	PLUG (PLAIN SOLID)	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$, 2 .

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BLACK FIGURE NO.	GALVANIZED FIGURE NO.	DESCRIPTION	FITTING SIZE (INCHES)
TS149	TS149G	RECESSED PLUG	$\frac{1}{8}$, $\frac{3}{8}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.
TS150	TS150G	BACKNUT	$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.
TS151	TS151G	ELBOW 90° F. EQUAL	$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$, 3, 4.
TS151	TS151G	ELBOW 90° F. REDUCING	$\frac{1}{2} \times \frac{1}{4}$, $\frac{1}{2} \times \frac{3}{8}$, $\frac{3}{4} \times \frac{1}{2}$, 1 $\times \frac{1}{2}$, 1 $\times \frac{3}{4}$, 1 $\frac{1}{2} \times \frac{1}{2}$, 1 $\frac{1}{2} \times \frac{3}{4}$, 1 $\frac{1}{2} \times 1$.
TS152	TS152 G	ELBOW 90° M & F EQUAL	$\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.
TS155	TS155 G	ELBOW 45° F. EQUAL	$\frac{1}{8}$, $\frac{3}{8}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.
TS156	TS156 G	ELBOW 45° M & F EQUAL	$\frac{1}{8}$, $\frac{3}{8}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.

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BLACK FIGURE NO.	GALVANIZED FIGURE NO.	DESCRIPTION	FITTING SIZE (INCHES)
TS161	TS161G	TEE 90° F.EQUAL	$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$, 3, 4.
TS161	TS161G	TEE 90° REDUCING ON BRANCH	$\frac{1}{8} \times \frac{1}{4}$, $\frac{1}{8} \times \frac{3}{8}$, $\frac{1}{4} \times \frac{1}{4}$, $\frac{1}{4} \times \frac{3}{8}$, $\frac{3}{8} \times \frac{1}{2}$, $\frac{1}{2} \times \frac{1}{4}$, $\frac{1}{2} \times \frac{3}{8}$, $\frac{1}{2} \times \frac{1}{2}$, $\frac{1}{2} \times \frac{3}{4}$, $\frac{3}{4} \times \frac{1}{2}$, $\frac{3}{4} \times \frac{3}{4}$, $\frac{3}{4} \times 1$, $1 \times \frac{1}{4}$, $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, 1×1 , $1 \times 1 \frac{1}{4}$, $1 \times 1 \frac{1}{2}$, 1×2 , $1 \frac{1}{4} \times \frac{1}{2}$, $1 \frac{1}{4} \times \frac{3}{4}$, $1 \frac{1}{4} \times 1$, $1 \frac{1}{4} \times 1 \frac{1}{2}$, $1 \frac{1}{4} \times 2$, $1 \frac{1}{2} \times \frac{1}{2}$, $1 \frac{1}{2} \times \frac{3}{4}$, $1 \frac{1}{2} \times 1$, $1 \frac{1}{2} \times 1 \frac{1}{4}$, $1 \frac{1}{2} \times 1 \frac{1}{2}$, $1 \frac{1}{2} \times 2$, $2 \times \frac{1}{2}$, $2 \times \frac{3}{4}$, 2×1 , $2 \times 1 \frac{1}{4}$, $2 \times 1 \frac{1}{2}$, 2×2 .
TS161	TS161G	TEE 90° REDUCING ON RUN	$\frac{1}{8} \times \frac{1}{4}$, $\frac{1}{8} \times \frac{3}{8}$, $\frac{1}{4} \times \frac{1}{4}$, $\frac{1}{4} \times \frac{3}{8}$, $\frac{3}{8} \times \frac{1}{2}$, $\frac{1}{2} \times \frac{1}{4}$, $\frac{1}{2} \times \frac{3}{8}$, $\frac{1}{2} \times \frac{1}{2}$, $\frac{1}{2} \times \frac{3}{4}$, $\frac{3}{4} \times \frac{1}{2}$, $\frac{3}{4} \times \frac{3}{4}$, $\frac{3}{4} \times 1$, $1 \times \frac{1}{4}$, $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, 1×1 , $1 \times 1 \frac{1}{4}$, $1 \times 1 \frac{1}{2}$, 1×2 , $1 \frac{1}{4} \times \frac{1}{2}$, $1 \frac{1}{4} \times \frac{3}{4}$, $1 \frac{1}{4} \times 1$, $1 \frac{1}{4} \times 1 \frac{1}{2}$, $1 \frac{1}{4} \times 2$, $1 \frac{1}{2} \times \frac{1}{2}$, $1 \frac{1}{2} \times \frac{3}{4}$, $1 \frac{1}{2} \times 1$, $1 \frac{1}{2} \times 1 \frac{1}{4}$, $1 \frac{1}{2} \times 1 \frac{1}{2}$, $1 \frac{1}{2} \times 2$, $2 \times \frac{1}{2}$, $2 \times \frac{3}{4}$, 2×1 , $2 \times 1 \frac{1}{4}$, $2 \times 1 \frac{1}{2}$, 2×2 .
TS161	TS161G	TEE 90° REDUCING ON BRANCH & RUN	$\frac{3}{8} \times \frac{1}{4}$, $\frac{3}{8} \times \frac{1}{2}$, $\frac{1}{2} \times \frac{1}{4}$, $\frac{1}{2} \times \frac{1}{2}$, $\frac{1}{2} \times \frac{3}{4}$, $\frac{1}{2} \times 1$, $\frac{3}{4} \times \frac{1}{4}$, $\frac{3}{4} \times \frac{1}{2}$, $\frac{3}{4} \times \frac{3}{4}$, $\frac{3}{4} \times 1$, $1 \times \frac{1}{4}$, $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, 1×1 , $1 \times 1 \frac{1}{4}$, $1 \times 1 \frac{1}{2}$, 1×2 , $1 \frac{1}{4} \times \frac{1}{2}$, $1 \frac{1}{4} \times \frac{3}{4}$, $1 \frac{1}{4} \times 1$, $1 \frac{1}{4} \times 1 \frac{1}{2}$, $1 \frac{1}{4} \times 2$, $1 \frac{1}{2} \times \frac{1}{2}$, $1 \frac{1}{2} \times \frac{3}{4}$, $1 \frac{1}{2} \times 1$, $1 \frac{1}{2} \times 1 \frac{1}{4}$, $1 \frac{1}{2} \times 1 \frac{1}{2}$, $1 \frac{1}{2} \times 2$, $2 \times \frac{1}{2}$, $2 \times \frac{3}{4}$, 2×1 , $2 \times 1 \frac{1}{4}$, $2 \times 1 \frac{1}{2}$, 2×2 .
TS161	TS161G	TEE 90° INCREASING ON BRANCH	$\frac{1}{8} \times \frac{3}{8}$, $\frac{1}{4} \times 1$, $2 \times \frac{1}{2}$.

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BLACK FIGURE NO.	GALVANIZED FIGURE NO.	DESCRIPTION	FITTING SIZE (INCHES)
TS171	TS171G	CROSS 90° F. EQUAL	$\frac{1}{8}$, $\frac{3}{8}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.
TS176	TS176G	SOCKET F. EQUAL	$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.
TS179	TS179G	SOCKET F. REDUCING	$\frac{3}{8} \times \frac{1}{4}$, $\frac{1}{2} \times \frac{1}{4}$, $\frac{3}{8} \times \frac{3}{8}$, $\frac{1}{2} \times \frac{3}{8}$, $\frac{3}{4} \times \frac{1}{4}$, $\frac{1}{2} \times \frac{1}{2}$, $\frac{3}{4} \times \frac{3}{8}$, $1 \times \frac{1}{4}$, $1 \times \frac{1}{2}$, $1 \times \frac{3}{8}$, $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, 1×1 , $1 \times \frac{1}{2}$, $1 \times \frac{3}{4}$, $1 \times 1\frac{1}{2}$, $2 \times \frac{1}{4}$, $2 \times \frac{1}{2}$, 2×1 , $2 \times 1\frac{1}{2}$.
TS185	TS185G	CAP	$\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.
TS191	TS191G	LONG SWEEP BEND 90° M. EQUAL	$\frac{1}{8}$, $\frac{3}{8}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.
TS192	TS192G	SHORT BEND 90° M & F EQUAL	$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1, 1 $\frac{1}{4}$, 1 $\frac{1}{2}$, 2.

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BLACK FIGURE NO.	GALVANIZED FIGURE NO.	DESCRIPTION	FITTING SIZE (INCHES)
TS193	TS193G	SHORT BEND 90° F.EQUAL	¼, ¾, 1, 1½, 2, 2½, 3
TS199	TS199G	PITCHER TEE 90° F.EQUAL	¾, 1, 1½, 2
TS256	TS256G	UNION SPHERICAL/TAPER SEAT IRON TO IRON F.EQUAL	¼, ¾, 1, 1½, 2, 2½, 3, 4
TS257	TS257G	UNION SPHERICAL SEAT IRON TO IRON M & F EQUAL	¾, 1, 1½, 2
TS271	TS271G	UNION SPHERICAL SEAT BRONZE TO IRON	¾, 1, 1½, 2

Manufactured under a quality system assessment to: **ISO 9001: 2000 Quality Management Systems**

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