

# CERTIFICATE OF COMPLIANCE

**Certificate Number** EX15442  
**Report Reference** EX15442- 20200701  
**Issue Date** 2020-JULY-09

**Issued to:** P T TRI SINAR PURNAMA  
JL. MOCH. ICHSAN RT 01 / RW 01, KELURAHAN  
WATES, KECAMATAN NGALIYAN SEMARANG 50188  
INDONESIA

**This certificate confirms that  
representative samples of**

FITTINGS, CAST IRON, DUCTILE IRON, MALLEABLE  
IRON AND BRONZE: SEAMLESS AND WELDED BLACK  
AND HOT-DIPPED GALVANIZED STEEL PIPE, WELDED  
AND SEAMLESS CARBON STEEL AND AUSTENITIC  
STAINLESS STEEL PIPE NIPPLES AND MALLEABLE  
IRON THREADED FITTINGS

See next page for Models

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** See next page for standards

**Additional Information:** See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Product Covered:

Ductile Iron Fittings. The fittings consist of the following types, sizes, and rated pressures as specified below:

Fitting Type	Size (in.)	Rated Pressure	
		psig	kPa
Elbow 90	½, 1, 1¼, 1½, 2, 2½	500	3450
Reducing Elbow 90	1 x ½, 1 x ¾, 1¼ x ½, 1¼ x ¾, 1¼ x 1, 1½ x ½, 1½ x ¾, 1½ x 1, 1½ x 1¼, 2 x ½, 2 x ¾, 2 x 1, 2 x 1¼, 2 x 1½	500	3450
Elbow 45	1, 1¼, 1½, 2	500	3450
Tees	1, 1¼, 1½, 2	500	3450
Reducing Tees	¾ x ¾ x ½, ¾ x ¾ x 1, ¾ x ¾ x 1¼, 1 x ½ x ½, 1 x ½ x ¾, 1 x ½ x 1, 1 x ¾ x ½, 1 x ¾ x ¾, 1 x ¾ x 1, 1 x 1 x ½, 1 x 1 x ¾, 1 x 1 x 1¼, 1 x 1 x 1½, 1 x 1 x 2, 1¼ x ½ x 1, 1¼ x ½ x 1¼, 1¼ x ¾ x ¾, 1¼ x ¾ x 1, 1¼ x ¾ x 1¼, 1¼ x 1 x ½, 1¼ x 1 x ¾, 1¼ x 1 x 1, 1¼ x 1 x ¼, 1¼ x 1 x 1½, 1¼ x 1¼ x ½, 1¼ x 1¼ x ¾, 1¼ x 1¼ x 1, 1¼ x 1¼ x 1½, 1¼ x 1¼ x 2, 1½ x 1½ x 1½, 1½ x 1½ x ¾, 1½ x 1½, 1½ x 1 x 1½, 1½ x 1 x 2, 1½ x 1 x ¾, 1½ x 1 x 1, 1½ x 1 x 1¼, 1½ x 1 x 1½, 1½ x 1¼ x ½, 1½ x 1¼ x ¾, 1½ x 1¼ x 1, 1½ x 1¼ x 1¼, 1½ x 1¼ x 1½, 1½ x 1¼ x 2, 1½ x 1½ x ½, 1½ x 1½ x ¾, 1½ x 1½ x 1, 1½ x 1½ x 1¼, 1½ x 1½ x 2, 2 x ½ x 2, 2 x ¾ x 2, 2 x 1 x ½, 2 x 1 x 2, 2 x 1¼ x 1¼, 2 x 1¼ x 1½, 2 x 1¼ x 2, 2 x 1½ x ½, 2 x 1½ x ¾, 2 x 1½ x 1, 2 x 1½ x 1¼, 2 x 1½ x 1½, 2 x 1½ x 2, 2 x 2 x ½, 2 x 2 x ¾, 2 x 2 x 1, 2 x 2 x 1¼, 2 x 2 x 1½	500	3450
Cross	1, 1¼, 1½, 2	500	3450
Reducing Cross	1¼ x 1¼ x 1 x 1, 1½ x 1½ x 1 x 1, 2 x 2 x 1 x 1	500	3450
Socket/Couplings	1, 1¼, 1½, 2	500	3450
Reducing Couplings	2 x 1, 1 x ½, 1 x ¾, 1¼ x ½, 1¼ x ¾, 1¼ x 1	500	3450
Caps	1, 1¼, 1½, 2	500	3450
Hexagon Bushing	¾ x ½, 1 x ½, 1 x ¾, 1¼ x ¾, 1¼ x 1, 1½ x 1, 1½ x 1¼, 2 x ½, 2 x ¾, 2 x 1, 2 x 1¼, 2 x 1½	500	3450
Cored Plugs	½, ¾, 1, 1¼, 1½, 2	500	3450

  
 Bruce Mahrenholz, Director North American Certification Program  
 UL LLC



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## STANDARDS:

ASTM A53/A53M, specification for pipe, steel, black and hot-dipped, zinc-coated, welded and seamless  
ASME B16.3, Malleable Iron Threaded Fittings, Classes 150 and 300  
ASME B16.14 Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads  
ASTM A536, specification for ductile iron castings



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