

CERTIFICATE OF COMPLIANCE

Certificate Number 20171215-EX3628
Report Reference EX3628-19831110
Issue Date 2017-DECEMBER-15

Issued to: Tupy SA
Rua Albano Schmidt 3400
Joinville-SC
89227-901 BRAZIL

**This is to certify that
representative samples of**

FITTINGS, CAST IRON, DUCTILE IRON, MALLEABLE
IRON AND BRONZE

For Models Refer Addendum Page

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

Standard(s) for Safety:

EN 10242 - Threaded Pipe Fittings in Malleable Cast Iron
ISO 49 - Malleable Cast Iron Fittings Threaded to ISO 7-1
ASME B16.3 - Malleable Iron Threaded Fittings
ASME B16.14 - Ferrous Pipe Plugs, Bushings, and
Locknuts with Pipe Threads
ASME B16.1 - Gray Iron Pipe Flanges and Flanged Fittings
ASME B16.4 - Gray Iron Threaded Fittings

Additional Information:

See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



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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.

Models;
USL, CNL - Fittings, Cast Iron, Ductile Iron, Malleable Iron and Bronze -

Gray Iron Threaded Fittings (ANSI/ASME B16.4) Class 125			
Model	Configuration	Size, in.	Rated Pressure, psig
-	90° Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2	175
-	Reducing Elbow	1 x 1/2	175
-	Tee	1, 1-1/4, 1-1/2, 2	175
-	Reducing Tee	1 x 1 x 1/2, 1 x 1/2 x 1, 1-1/4 x 1 x 1/2, 1-1/4 x 1 x 1, 1-1/4 x 1-1/4 x 1, 1-1/2 x 1-1/4 x 1/2, 1-1/2 x 1-1/4 x 3/4, 1-1/2 x 1-1/4 x 1, 1-1/2 x 1-1/2 x 3/4, 1-1/2 x 1-1/2 x 1, 2 x 1-1/2 x 1/2, 2 x 1-1/2 x 1, 2 x 2 x 1/2, 2 x 2 x 3/4, 2 x 2 x 1, 2 x 2 x 2-1/2	175
-	Hexagonal Head Reducer	1 x 1/2	175
Cast Iron Pipe Flanges and Flanged Fittings (ANSI/ASME B16.1)			
-	90° Elbow	3, 4, 6	175
-	Tee	3, 4, 6	175
-	Reducing Tee	6 x 6 x 4	175
-	Concentric Reducer	6 x 4, 8 x 6	175
-	Companion Flange	2 x 6, 3 x 7-1/2, 4 x 9, 6 x 11, 8 x 13-1/2	175
Malleable Iron Threaded Fittings (ANSI/ASME B16.14)			
1002r	Bushing	3/8 x 1/4; 1/2 x 1/4, 1/2 x 3/8; 3/4 x 3/8, 3/4 x 1/2; 1 x 1/2, 1 x 3/4; 1-1/4 x 1/2, 1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 3/4, 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 1, 2 x 1-1/4, 2 x 1-1/2; 2-1/2 x 1-1/2, 2-1/2 x 2; 3 x 2, 3 x 2-1/2; 4 x 2-1/2, 4 x 3, 4 x 3-1/2; 6 x 4;	
1010	Plain Plug	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	

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Malleable Iron Threaded Fittings (ANSI/ASME B16.3) Class 150			
Model	Configuration	Size, in.	Rated Pressure, psig
1015	90° Elbow	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	300
1020r	90° Elbow, Reducing	3/4 x 1/2; 1 x 1/2, 1 x 3/4; 1-1/4 x 1/2, 1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 3/4, 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 3/4, 2 x 1, 2 x 1-1/4, 2 x 1-1/2	300
1030	90° Street Elbow	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300
1025	45° Elbow	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300
1035	45° Street Elbow	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300
1060	Tee	1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	300
1065r	Tee, Reducing	3/4 x 3/4 x 1/2; 1 x 1 x 1/2, 1 x 1 x 3/4; 1-1/4 x 1-1/4 x 1/2, 1-1/4 x 1-1/4 x 3/4, 1-1/4 x 1-1/4 x 1; 1-1/2 x 1-1/2 x 1/2, 1-1/2 x 1-1/2 x 3/4, 1-1/2 x 1-1/2 x 1, 1-1/2 x 1-1/2 x 1-1/4; 2 x 2 x 1/2, 2 x 2 x 3/4, 2 x 2 x 1, 2 x 2 x 1-1/4, 2 x 2 x 1-1/2	300
1068	Cross	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300
1045	Coupling	1/4, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300
1050r	Reducing Coupling	3/4 x 1/2; 1 x 1/2, 1 x 3/4; 1-1/4 x 1/2, 1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 1/2, 1-1/2 x 3/4, 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 1/2, 2 x 3/4, 2 x 1, 2 x 1-1/4, 2 x 1-1/2	300
1055	Cap	3/4, 1, 1-1/4, 1-1/2, 2	300

Malleable Iron Threaded Fittings (ANSI/ASME B16.3) Class 300			
Model	Configuration	Size, in.	Rated Pressure, psig
2015	90° Elbow	1/4, 3/8, 1/2, 3/4, 1	2000
2015	90° Elbow	1-1/4, 1-1/2, 2	1500
2015	90° Elbow	2-1/2, 3	1000
2030	90° Street Elbow	3/8, 1/2, 3/4, 1	2000
2030	90° Street Elbow	1-1/4, 1-1/2, 2	1500
2030	90° Street Elbow	2-1/2, 3	1000
2025	45° Elbow	1/4, 3/8, 1/2, 3/4, 1	2000
2025	45° Elbow	1-1/4, 1-1/2, 2	1500
2025	45° Elbow	2-1/2, 3	1000
2060	Tee	1/4, 3/8, 1/2, 3/4, 1	2000

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2060	Tee	1-1/4, 1-1/2, 2	1500
2060	Tee	2-1/2, 3	1000
2065r	Tee, Reducing	1/2 x 1/2 x 1/4, 1/2 x 1/2 x 3/8; 3/4 x 3/4 x 3/8, 3/4 x 3/4 x 1/2; 1 x 1 x 1/2, 1 x 1 x 3/4	2000
2065r	Tee, Reducing	1-1/4 x 1-1/4 x 3/4, 1-1/4 x 1-1/4 x 1; 1-1/2 x 1-1/2 x 1, 1-1/2 x 1-1/2 x 1-1/4; 2 x 2 x 1-1/4, 2 x 2 x 1-1/2	1500
2065r	Tee, Reducing	2-1/2 x 2-1/2 x 1-1/2, 2-1/2 x 2-1/2 x 2; 3 x 3 x 2, 3 x 3 x 2-1/2	1000
2045	Coupling	1/4, 3/8, 1/2, 3/4, 1	2000
2045	Coupling	1-1/4, 1-1/2, 2	1500
2045	Coupling	2-1/2, 3	1000
2050r	Coupling, Reducing	1/2 x 1/4, 1/2 x 3/8; 3/4 x 3/8, 3/4 x 1/2; 1 x 1/2, 1 x 3/4;	2000
2050r	Coupling, Reducing	1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 1-1/4, 2 x 1-1/2	1500
2050r	Coupling, Reducing	2-1/2 x 1-1/2, 2-1/2 x 2; 3 x 2, 3 x 2-1/2	1000
2055	Cap	1/4, 3/8, 1/2, 3/4, 1	2000
2055	Cap	1-1/4, 1-1/2, 2	1500
2055	Cap	2-1/2, 3	1000

Threaded Pipe Fittings in Malleable Cast Iron (EN 10242/ISO 49)			
Model	Configuration	Size, in.	Rated Pressure, psig
1	Male and Female Long Sweep Bend	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	363
1a	Male and Female Short Bend	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	363
2	Long Sweep Bend	3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	363
2a	Short Bend	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	363
3	Male Long Sweep Bend	3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2	363
40	45° Male and Female Long Sweep Bend	3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	363
41	45° Long Sweep Bend	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	363
90	Elbow	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	363
90r	Elbow, reducing	3/8 x 1/4; 1/2 x 3/8; 3/4 x 3/8, 3/4 x 1/2; 1 x 1/2, 1 x 3/4;	363

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		1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 1-1/2; 2-1/2 x 2	
92	Male and Female Elbow	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	363
120	45° Elbow	3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2	363
121	45° Male and Female Elbow	3/8, 1/2, 3/4, 1	363
130	Tee	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5	363
130r	Tee Reducing on the Branch	3/8 x 1/4; 1/2 x 1/4, 1/2 x 3/8; 3/4 x 3/8, 3/4 x 1/2; 1 x 3/8, 1 x 1/2, 1 x 3/4; 1-1/4 x 1/2, 1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 1/2, 1-1/2 x 3/4, 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 1/2, 2 x 3/4, 2 x 1, 2 x 1-1/4; 2 x 1-1/2, 2-1/2 x 1, 2-1/2 x 1-1/4, 2-1/2 x 1-1/2, 2-1/2 x 2; 3 x 1, 3 x 1-1/4, 3 x 1-1/2, 3 x 2, 3 x 2-1/2; 4 x 2, 4 x 3	363
180	Cross	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	363
221	Side outlet elbow	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	363

Threaded Pipe Fittings in Malleable Cast Iron (EN 10242/ISO 49) CONT'D

Model	Configuration	Size, in.	Rated Pressure, psig
240	Socket, reducing	3/8 x 1/4; 1/2 x 1/4, 1/2 x 3/8; 3/4 x 3/8, 3/4 x 1/2; 1 x 3/8, 1 x 1/2, 1 x 3/4; 1-1/4 x 1/2, 1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 3/4, 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 1, 2 x 1-1/4, 2 x 1-1/2; 2-1/2 x 1-1/4, 2-1/2 x 1-1/2, 2-1/2 x 2; 3 x 1-1/2, 3 x 2, 3 x 2-1/2; 4 x 2, 4 x 2-1/2, 4 x 3	363

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241	Bushing	3/8 x 1/4; 1/2 x 1/4, 1/2 x 3/8; 3/4 x 1/4, 3/4 x 3/8, 3/4 x 1/2; 1 x 3/8, 1 x 1/2, 1 x 3/4; 1-1/4 x 1/2, 1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 1/2, 1-1/2 x 3/4, 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 1/2, 2 x 3/4, 2 x 1, 2 x 1-1/4, 2 x 1-1/2; 2-1/2 x 1, 2-1/2 x 1-1/4, 2-1/2 x 1-1/2, 2-1/2 x 2; 3 x 1-1/2, 3 x 2, 3 x 2-1/2; 4 x 2, 4 x 2-1/2, 4 x 3	363
245	Hexagon Nipple, reducing	3/8 x 1/4; 1/2 x 1/4, 1/2 x 3/8; 3/4 x 3/8, 3/4 x 1/2; 1 x 1/2, 1 x 3/4; 1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 3/4, 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 1, 2 x 1-1/4, 2 x 1-1/2; 2-1/2 x 2; 3 x 2, 3 x 2-1/2	363
246	Male and Female Socket, Reducing	3/8 x 1/4; 1/2 x 1/4, 1/2 x 3/8; 3/4 x 3/8, 3/4 x 1/2; 1 x 1/2, 1 x 3/4; 1-1/4 x 3/4, 1-1/4 x 1; 1-1/2 x 1, 1-1/2 x 1-1/4; 2 x 1-1/4, 2 x 1-1/2	363
270	Socket	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6	363
271	Socket, right- and left- hand thread	3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2	363
280	Hexagon Nipple	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	363
290	Beaded Plug	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	363

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Threaded Pipe Fittings in Malleable Cast Iron (EN 10242/ISO 49) CONT'D

Model	Configuration	Size, in.	Rated Pressure, psig
291	Plain Plug	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	363
300	Cap (hex)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 6	363
312	Backnut	3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	363
529a	Male and Female Socket	1/2, 3/4, 1, 1-1/4	363



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