CERTIFICATE OF COMPLIANCE

Certificate Number	20160205-EX3628
Report Reference	EX3628-19831110
Issue Date	2016-FEBRUARY-05
Issued to:	Tupy SA Rua Albano Schmidt 3400, Caixa Postal D-19, 89206-900 BRAZIL
This is to certify that representative samples of	FITTINGS, CAST IRON, DUCTILE IRON, MALLEABLE IRON AND BRONZE See Addendumpages for Models
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	ASME B16.3 - Malleable Iron Threaded Fittings ASME B16.14 - Ferrous Pipe Plugs, Bushings, and Locknuts with Pipe Threads EN 10242 - Threaded Pipe Fittings in Malleable Cast Iron ISO 49 - Malleable Cast Iron Fittings Threaded to ISO 7-1
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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Fittings, Cast Iron, Ductile Iron, Malleable Iron and Bronze, (HHXX)

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

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Malleable Iron Threaded Fittings (ANSI/ASME B16.3) Class 150			
Model	**Configuration**	**Size, in.**	**Rated Pressure, psig**
1015	90° Elbow	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	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	300
1068	Cross	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	300
1045	Coupling	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	300
1055	Cap	3/4, 1, 1-1/4, 1-1/2, 2	300
Malleable Iron Threaded Fittings (ANSI/ASME B16.3) Class 300			
2015	90° Elbow	1/4, 3/8, 1/2, 3/4, 1	2000
2030	90° Street Elbow	3/8	2000
2025	45° Elbow	1/4, 3/8, 1/2, 3/4, 1	2000
2060	Tee	1/4, 3/8, 1/2, 3/4, 1	2000
2065r	Tee, Reducing	1/2 x 1/2 x 1/4	2000
2045	Coupling	1/4, 3/8, 1/2, 3/4, 1	2000
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; 1-1/4 x 3/4, 1-1/4 x 1	2000
2055	Cap	1/4, 3/8, 1/2, 3/4, 1	2000

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Malleable Iron Threaded Fittings (ANSI/ASME B16.14)			
Model	Configuration	Size, in.	Rated Pressure, psig
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;	300
1010	Plain Plug	1/4, 3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	300
Threaded Pipe Fittings in Malleable Cast Iron (EN 10242/ISO 49)			
1	Male and Female Long Sweep Bend	1-1/2, 2, 3, 4	363
1a	Male and Female Short Bend	1-1/2, 2	363
2	Long Sweep Bend	1-1/2, 2, 3, 4	363
2a	Short Bend	1-1/2, 2	363
3	Male Long Sweep Bend	1-1/2, 2	363
40	45° Male and Female Long Sweep Bend	1-1/2, 2, 3	363
41	45° Long Sweep Bend	1-1/2, 2	363
90	Elbow	1-1/2, 2, 3, 4	363
90r	Elbow, reducing	2-1/2 x 2	363
92	Male and Female Elbow	1, 1-1/2, 2, 3, 4	363
120	45° Elbow	1-1/2, 2	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	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, 1-1/2, 2	363
240	Socket, reducing	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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Threaded Pipe Fittings in Malleable Cast Iron (EN 10242/ISO 49) CONT'D			
Model	Configuration	Size, in.	Rated Pressure, psig
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	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	2 x 1-1/2	363
270	Socket	2, 2-1/2, 3, 4	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
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, 1-1/2, 2, 3, 4	363
312	Backnut	3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	363

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