



NPT 2002

150 lb
300 lb

Malleable Iron Pipe Fittings
Accesorios de Hierro Maleable
Conexões de Ferro Maleável

Index Value
Índice de Valores
Índice de Valores



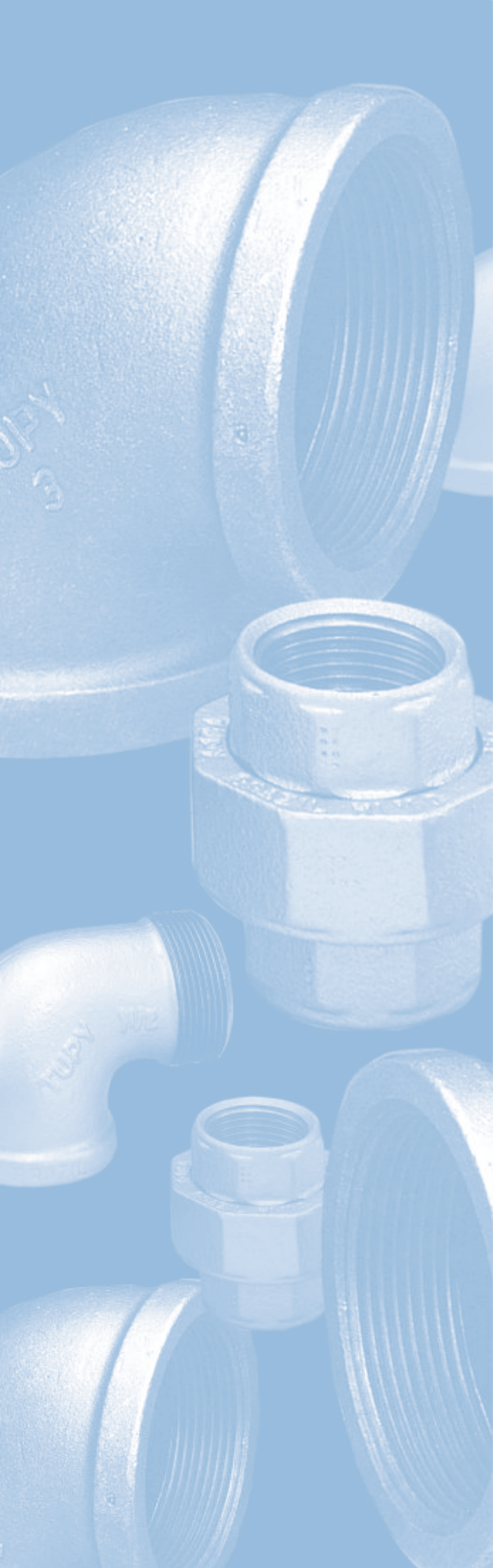
CONTENTS
INDICE
ÍNDICE

NP 150lb

Specifications	
Especificaciones	
Especificações	3
Product Range	
Linea de Productos	
Linha de Produtos	4

NP 300lb

Specifications	
Especificaciones	
Especificações	11
Product Range	
Linea de Productos	
Linha de Produtos	12



NPT 150lb

SPECIFICATIONS

All Tupy fittings range are produced in accordance to the following norms:

- Dimensions, ANSI/ASME B 16.3.
- Tupy Unions are produced in accordance to the norm ANSI/ASME B 16.39.
- Plugs and Reducing Bushings in accordance to the norm ANSI/ASME B 16.14.
- Threads, ANSI/ASME B 1.20.1.
- Material, ASTM A 197.
- Hot dipped galvanized, ASTM A 153.

ESPECIFICACIONES

Todos los accesorios Tupy son producidos de acuerdo con las siguientes normas:

- Dimensiones, ANSI/ASME B 16.3.
- Las Uniones son producidas de acuerdo con las especificaciones ANSI/ASME B 16.39.
- Los Tapones y Bujes de Reducción son producidos de acuerdo con las especificaciones ANSI/ASME B 16.14.
- Rosca, ANSI/ASME B 1.20.1.
- Material, ASTM A 197.
- Protección superficial, ASTM A 153.

ESPECIFICAÇÕES

Todas as conexões Tupy são produzidas de acordo com as normas:

- Dimensões, ANSI/ASME B 16.3.
- As Uniões são produzidas de acordo com as especificações da norma ANSI/ASME B 16.39.
- Os Bujões e as Buchas de Redução são produzidas de acordo com as especificações da norma ANSI/ASME B 16.14.
- Rosca, ANSI/ASME B 1.20.1.
- Material, ASTM A 197.
- Proteção superficial, ASTM A 153.

Temperature Temperatura Temperatura	Maximum Working Pressures - Ac. to ASME/ANSI B 16.3 Presiones Máximas de Servicio - Conf. ASME/ANSI B 16.3 Pressões Máximas de Serviço - Conf. ANSI/ASME B 16.3	Maximum Working Pressures for Unions – Ac. to ASME/ANSI B 16.39 Presiones Máximas de Servicio para Uniones – Conf. ASME/ANSI B 16.39 Pressões Máximas de Serviço para Unions – Conf. ANSI/ASME B 16.39
	Size/Diámetro Nominal/Diâmetro Nominal	Size/Diámetro Nominal/Diâmetro Nominal
	¼ to/a/a/ 6	¼ to/a/a/ 4
	psi	psi
-29 to/a/a 66	300	300
93	265	265
121	225	225
149	185	185
177	150	150
204	-	110
232	-	75

PRODUCT RANGE LINEA DE PRODUCTOS LINHA DE PRODUTOS

- Dimension** - Identifies the nominal dimensions of each fitting
- Code** - TUPY fittings reference code
- Index** - Unit gross fee
- IP** - Number of pieces per standard pack
- EP** - Number of pieces per carton
- g** - Reference unit weight (grams)

- Dimension** - Identifica los tamaños nominales de cada tipo ó figura
- Code** - Código de referencia de los accesorios TUPY
- Index** - Precio unitario bruto
- IP** - Numero de piezas por caja interna
- EP** - Numero de piezas por caja externa
- g** - Peso unitario de referencia (gramos)

- Dimension** - Identifica os tamanhos nominais de cada conexão (figura)
- Code** - Código de referência das conexões TUPY
- Index** - Preço unitário bruto
- IP** - Número de peças por caixa interna
- EP** - Número de peças por caixa externa
- g** - Peso unitário nominal (gramas)

1002R



Reducing Bushings Bujes de Reducción Buchas de Redução

Dimension	Code	Index BLK	Index GAL	IP	EP	g
$\frac{3}{8} \times \frac{1}{4}$	69.01.023	0,88	1,32	10	1200C	16
$\frac{1}{2} \times \frac{1}{4}$	69.01.025	0,88	1,32	10	800C	35
$\frac{1}{2} \times \frac{3}{8}$	69.01.026	0,88	1,32	10	800C	26
$\frac{3}{4} \times \frac{3}{8}$	69.01.028	1,10	1,64	10	500C	63
$\frac{3}{4} \times \frac{1}{2}$	69.01.029	1,10	1,64	10	500C	51
$1 \times \frac{1}{2}$	69.01.032	1,48	2,03	10	300C	107
$1 \times \frac{3}{4}$	69.01.033	1,48	2,03	10	300C	84
$1\frac{1}{4} \times \frac{1}{2}$	69.01.035	1,59	2,58	5	180C	160
$1\frac{1}{4} \times \frac{3}{4}$	69.01.036	1,59	2,58	5	160C	180
$1\frac{1}{4} \times 1$	69.01.037	1,59	2,58	5	150C	145
$1\frac{1}{2} \times \frac{3}{4}$	69.01.040	1,92	3,07	-	180C	209
$1\frac{1}{2} \times 1$	69.01.041	1,92	3,07	-	160C	233
$1\frac{1}{2} \times 1\frac{1}{4}$	69.01.042	1,92	3,07	-	150C	147
2×1	69.01.045	2,47	3,56	-	100C	340
$2 \times 1\frac{1}{4}$	69.01.046	2,47	3,56	-	90C	382
$2 \times 1\frac{1}{2}$	69.01.047	2,47	3,56	-	90C	322
$2\frac{1}{2} \times 1\frac{1}{2}$	69.01.050	3,62	5,04	-	50C	580
$2\frac{1}{2} \times 2$	69.01.051	3,62	5,04	-	50C	471
3×2	69.01.055	6,19	8,06	-	32C	854
$3 \times 2\frac{1}{2}$	69.01.056	6,19	8,06	-	28C	823
$4 \times 2\frac{1}{2}$	69.01.059	9,81	14,03	-	20C	1 425
4×3	69.01.060	9,81	14,03	-	16C	1 452
6×4	69.01.071	20,44	30,58	-	8C	3 695

1010



Plugs Tapones Bujões

Dimension	Code	Index BLK	Index GAL	IP	EP	g
$\frac{1}{4}$	69.02.002	0,49	0,77	10	2000C	16
$\frac{3}{8}$	69.02.003	0,49	0,77	10	1400C	25
$\frac{1}{2}$	69.02.004	0,55	0,99	10	800C	50
$\frac{3}{4}$	69.02.006	0,82	1,04	10	600C	72
1	69.02.007	0,82	1,21	10	250C	132
$1\frac{1}{4}$	69.02.008	1,04	1,86	-	150C	198
$1\frac{1}{2}$	69.02.009	1,48	2,36	-	140C	269
2	69.02.010	1,86	3,34	-	90C	438
$2\frac{1}{2}$	69.02.011	3,34	5,59	-	50C	740
3	69.02.012	4,77	7,95	-	30C	1 185
4	69.02.014	12,00	14,08	-	16C	2 152
6	69.02.016	22,40	28,06	-	6C	5 366

1015

Elbows
Codos
Cotovelos

Dimension	Code	Index BLK	Index GAL	IP	EP	g
½	69.07.004	1,01	1,12	10	200C	130
¾	69.07.006	1,25	1,37	5	125C	202
1	69.07.007	1,81	2,14	-	70C	310
1¼	69.07.008	2,96	3,34	-	50C	485
1½	69.07.009	3,89	4,38	-	35C	617
2	69.07.010	5,70	6,30	-	20C	1 059
2½	69.07.011	12,66	15,51	-	12C	1 802
3	69.07.012	19,67	24,11	-	8C	2 579
4	69.07.014	33,26	40,88	-	4C	4 492

1020R

Elbows Reducing
Codos de Reducción
Cotovelos de Redução

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¾ x ½	69.08.029	1,59	1,92	10	160C	160
1 x ½	69.08.032	2,27	2,44	5	120C	218
1 x ¾	69.08.033	2,27	2,44	5	90C	262
1¼ x ½	69.08.035	3,34	3,84	-	80C	306
1¼ x ¾	69.08.036	3,34	3,84	-	60C	350
1¼ x 1	69.08.037	3,34	3,84	-	60C	417
1½ x ¾	69.08.040	4,27	4,88	-	55C	430
1½ x 1	69.08.041	4,27	4,88	-	45C	490
1½ x 1¼	69.08.042	4,27	4,88	-	40C	561
2 x ¾	69.08.044	6,11	6,81	-	45C	540
2 x 1	69.08.045	6,11	6,81	-	30C	650
2 x 1¼	69.08.046	6,14	6,85	-	30C	720
2 x 1½	69.08.047	6,14	6,85	-	25C	780

1025



45° Elbows Codos a 45° Cotovelos 45°

Dimension	Code	Index BLK	Index GAL	IP	EP	g
½	69.09.004	1,37	1,51	10	220C	132
¾	69.09.006	1,64	2,03	10	140C	189
1	69.09.007	2,52	2,74	10	80C	293
1¼	69.09.008	3,51	4,05	-	60C	440
1½	69.09.009	4,38	4,82	-	35C	585
2	69.09.010	6,03	6,74	-	20C	900

1030



Street Elbows Codos MH Cotovelos MF

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	69.11.002	1,59	1,75	10	650C	44
⅜	69.11.003	1,59	1,75	10	400C	76
½	69.11.004	1,30	1,37	10	240C	117
¾	69.11.006	1,53	1,64	10	150C	174
1	69.11.007	2,52	2,74	-	80C	314
1¼	69.11.008	3,78	4,22	-	50C	449
1½	69.11.009	4,66	5,21	-	35C	623
2	69.11.010	7,01	7,73	-	20C	997

1035



45° Street Elbows Codos a 45° MH Cotovelos 45° MF

Dimension	Code	Index BLK	Index GAL	IP	EP	g
½	69.10.004	1,64	1,86	10	250C	100
¾	69.10.006	2,47	2,68	10	150C	148
1	69.10.007	2,85	3,29	5	100C	238
1¼	69.10.008	4,38	4,93	-	60C	372
1½	69.10.009	5,37	6,03	-	50C	510
2	69.10.010	8,05	8,88	-	25C	840

1045



Couplings Cuplas Luvas

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	69.31.002	1,21	1,37	10	600C	51
½	69.31.004	1,21	1,37	10	300C	100
¾	69.31.006	1,51	1,67	10	180C	157
1	69.31.007	2,08	2,41	5	80C	229
1¼	69.31.008	2,58	3,18	-	60C	351
1½	69.31.009	3,62	3,73	-	40C	449
2	69.31.010	4,93	5,37	-	30C	737

1050R



Couplings, Reducing Cuplas de Reducción Luvas de Redução

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¾ x ½	69.32.029	1,51	1,67	10	200C	125
1 x ½	69.32.032	2,19	3,51	10	120C	195
1 x ¾	69.32.033	2,19	2,47	5	120C	191
1¼ x ½	69.32.035	2,63	3,12	-	80C	245
1¼ x ¾	69.32.036	2,63	3,12	-	80C	290
1¼ x 1	69.32.037	2,63	3,12	-	75C	329
1½ x ½	69.32.039	3,34	3,78	-	60C	350
1½ x ¾	69.32.040	3,34	3,78	-	60C	380
1½ x 1	69.32.041	3,34	3,78	-	60C	430
1½ x 1¼	69.32.042	3,34	3,78	-	50C	435
2 x ½	69.32.043	4,87	5,48	-	40C	550
2 x ¾	69.32.044	4,87	5,48	-	35C	563
2 x 1	69.32.045	4,88	5,48	-	35C	599
2 x 1¼	69.32.046	4,88	5,48	-	30C	640
2 x 1½	69.32.047	4,88	5,48	-	24C	698

1055

Caps
Tapas Redondas
Tampões

Dimension	Code	Index BLK	Index GAL	IP	EP	g
½	69.42.004	0,88	0,99	10	400C	64
¾	69.42.006	1,15	1,48	10	300C	90
1	69.42.007	1,42	1,64	5	120C	184
1¼	69.42.008	1,86	2,19	-	100C	275
1½	69.42.009	2,52	2,85	-	80C	377
2	69.42.010	3,23	3,67	-	40C	605

1060

Tees
Tes
Tês

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	69.44.002	1,59	1,75	10	320C	72
½	69.44.004	1,37	1,51	10	150C	195
¾	69.44.006	1,71	1,78	5	85C	282
1	69.44.007	2,79	3,18	-	60C	426
1¼	69.44.008	4,60	5,04	-	30C	711
1½	69.44.009	5,64	6,30	-	25C	889
2	69.44.010	8,22	9,04	-	20C	1 412
2½	69.44.011	16,55	20,55	-	10C	2 303
3	69.44.012	21,92	25,76	-	6C	3 292
4	69.44.014	43,29	52,06	-	3C	5 589



Tees, Reducing Tes con Reducción Lateral Tês de Redução

Dimension			Code	Index BLK	Index GAL	IP	EP	g
1	2	3						
$\frac{3}{4}$	x $\frac{3}{4}$	x $\frac{1}{2}$	69.45.029	2,41	2,58	5	100C	131
1	x 1	x $\frac{1}{2}$	69.45.032	3,12	3,51	5	55C	364
1	x 1	x $\frac{3}{4}$	69.45.033	3,12	3,51	-	60C	400
$1\frac{1}{4}$	x $1\frac{1}{4}$	x $\frac{1}{2}$	69.45.035	4,93	5,37	-	50C	470
$1\frac{1}{4}$	x $1\frac{1}{4}$	x $\frac{3}{4}$	69.45.036	4,93	5,37	-	40C	520
$1\frac{1}{4}$	x $1\frac{1}{4}$	x 1	69.45.037	4,93	5,37	-	40C	575
$1\frac{1}{2}$	x $1\frac{1}{2}$	x $\frac{1}{2}$	69.45.039	5,75	6,58	-	40C	585
$1\frac{1}{2}$	x $1\frac{1}{2}$	x $\frac{3}{4}$	69.45.040	5,75	6,58	-	30C	643
$1\frac{1}{2}$	x $1\frac{1}{2}$	x 1	69.45.041	5,75	6,58	-	30C	714
$1\frac{1}{2}$	x $1\frac{1}{2}$	x $1\frac{1}{4}$	69.45.042	5,75	6,58	-	25C	768
2	x 2	x $\frac{1}{2}$	69.45.043	10,28	10,82	-	25C	830
2	x 2	x $\frac{3}{4}$	69.45.044	10,28	10,82	-	20C	889
2	x 2	x 1	69.45.045	9,04	9,42	-	20C	978
2	x 2	x $1\frac{1}{4}$	69.45.046	9,04	9,42	-	14C	1 078
2	x 2	x $1\frac{1}{2}$	69.45.047	9,04	9,42	-	15C	1 140

$\frac{1}{2}$	x $\frac{1}{2}$	x $\frac{3}{4}$	69.46.029	2,65	2,84	5	100C	210
$\frac{1}{2}$	x $\frac{1}{2}$	x 1	69.46.032	2,65	2,84	-	100C	260
$\frac{3}{4}$	x $\frac{3}{4}$	x 1	69.46.033	2,41	2,58	-	60C	370
$\frac{3}{4}$	x $\frac{3}{4}$	x $1\frac{1}{4}$	69.46.036	2,41	2,58	-	50C	410
1	x 1	x $1\frac{1}{4}$	69.46.037	3,12	3,51	-	40C	510
1	x 1	x $1\frac{1}{2}$	69.46.041	3,12	3,51	-	35C	564
1	x 1	x 2	69.46.045	3,12	3,51	-	20C	765
$1\frac{1}{4}$	x $1\frac{1}{4}$	x $1\frac{1}{2}$	69.46.042	4,93	5,37	-	25C	730
$1\frac{1}{4}$	x $1\frac{1}{4}$	x 2	69.46.046	4,93	5,37	-	20C	860
$1\frac{1}{2}$	x $1\frac{1}{2}$	x 2	69.46.047	5,75	6,58	-	12C	993

1068

Crosses
Cruces
Cruzetas

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	69.18.002	2,85	3,33	10	250C	86
½	69.18.004	3,29	3,84	10	100C	229
¾	69.18.006	3,95	4,66	5	65C	360
1	69.18.007	4,88	5,70	-	40C	512
1¼	69.18.008	6,79	8,00	-	20C	780
1½	69.18.009	8,60	10,02	-	15C	1 023
2	69.18.010	13,97	16,44	-	10C	1 260

1070

Unions Brass, Taper Seat
Uniones con Asiento Cónico de Bronce
Unões com Assento Cônico de Bronze

Dimension	Code	Index BLK	Index GAL	IP	EP	g
½	69.61.004	3,62	3,84	10	170C	177
¾	69.61.006	4,45	4,59	10	100C	286
1	69.61.007	5,97	6,58	5	70C	376
1¼	69.61.008	7,95	8,84	-	40C	623
1½	69.61.009	9,66	10,82	-	35C	740
2	69.61.010	12,55	13,54	-	24C	1 224
2½	69.61.011	20,28	23,67	-	14C	2 063
3	69.61.012	32,99	38,91	-	8C	2 776

1190

Floor Flanges
Bridas
Flanges

Dimension	Code	Index BLK	Index GAL	IP	EP	g
½	69.99.004	3,08	3,26	10	170C	189
¾	69.99.006	3,52	3,63	10	100C	273
1	69.99.007	4,66	5,13	-	70C	340
1¼	69.99.008	4,77	5,30	-	60C	421
1½	69.99.009	4,80	5,40	-	50C	575
2	69.99.010	7,03	7,58	-	30C	895



NPT 300lb

SPECIFICATIONS

All Tupy fittings range are produced in accordance to the following norms:

- Dimensions, ANSI/ASME B 16.3.
- Tupy Unions are produced in accordance to the norm ANSI/ASME B 16.39.
- Threads, ANSI/ASME B 1.20.1.
- Material, ASTM A 197.
- Hot dipped galvanized, ASTM A 153.

ESPECIFICACIONES

Todos los accesorios Tupy son producidos de acuerdo con las siguientes normas:

- Dimensiones, ANSI/ASME B 16.3.
- Las Uniones son producidas de acuerdo con las especificaciones ANSI/ASME B 16.39.
- Rosca, ANSI/ASME B 1.20.1.
- Material, ASTM A 197.
- Protección superficial, ASTM A 153.

ESPECIFICAÇÕES

Todas as conexões Tupy são produzidas de acordo com as normas:

- Dimensões, ANSI/ASME B 16.3.
- As Uniões são produzidas de acordo com as especificações da norma ANSI/ASME B 16.39.
- Rosca, ANSI/ASME B 1.20.1.
- Material, ASTM A 197.
- Proteção superficial, ASTM A 153.

Temperature Temperatura Temperatura	Maximum Working Pressures - Ac. to ASME/ANSI B 16.3 Presiones Máximas de Servicio - Conf. ASME/ANSI B 16.3 Pressões Máximas de Serviço - Conf. ANSI/ASME B 16.3			Maximum Working Pressures for Unions – Ac. to ASME/ANSI B 16.39 Presiones Máximas de Servicio para Uniones – Conf. ASME/ANSI B 16.39 Pressões Máximas de Serviço para Unions – Conf. ANSI/ASME B 16.39	
	Size/Diámetro Nominal/Diámetro Nominal			Size/Diámetro Nominal/Diámetro Nominal	
	¼ to/a/a/ 1	1¼ to/a/a/ 2	2½ to/a/a/ 3	¼ to/a/a/ 4	
	psi	psi	psi	psi	
-29 to/a/a/ 66	2.000	1.500	1.000	600	
93	1.785	1.350	910	550	
121	1.575	1.200	825	505	
149	1.360	1.050	735	460	
177	1.150	900	650	415	
204	935	750	560	370	
232	725	600	475	325	
260	510	450	450	280	
288	300	300	300	230	

PRODUCT RANGE LINEA DE PRODUCTOS LINHA DE PRODUTOS

- Dimension** - Identifies the nominal dimensions of each fitting
 - Code** - TUPY fittings reference code
 - Index BLK** - Unit gross fee - Black
 - Index GAL** - Unit gross fee - Galvanized
 - IP** - Number of pieces per standard pack
 - EP** - Number of pieces per carton
 - g** - Unit weight (in grammes)
-
- Dimension** - Identifica los tamaños nominales de cada tipo ó figura
 - Code** - Código de referencia de los accesorios TUPY
 - Index BLK** - Precio unitario bruto - Negro
 - Index GAL** - Precio unitario bruto - Galvanizado
 - IP** - Numero de piezas por caja interna
 - EP** - Numero de piezas por caja externa
 - g** - Peso unitario (en gramos)
-
- Dimension** - Identifica os tamanhos nominais de cada conexão (figura)
 - Code** - Código de referência das conexões TUPY
 - Index BLK** - Preço unitário bruto - Preta
 - Index GAL** - Preço unitário bruto - Galvanizada
 - IP** - Número de peças por caixa interna
 - EP** - Número de peças por caixa externa
 - g** - Peso unitário (em gramas)

2001

Hexagon Nipples Niples Hexagonales Niples Duplos

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	68.38.002	1.00	1.25	10	500C	39
⅜	68.38.003	1.00	1.25	10	450C	56
½	68.38.004	1.25	1.56	10	250C	99
¾	68.38.006	1.35	1.68	10	200C	134
1	68.38.007	2.20	2.75	5	100C	265
1¼	68.38.008	3.45	4.31	-	80C	371
1½	68.38.009	4.40	5.50	-	60C	474
2	68.38.010	6.20	7.75	-	30C	757
2½	68.38.011	12.00	15.00	-	15C	1 415
3	68.38.012	18.00	22.50	-	9C	2 156
4	68.38.014	26.00	32.50	-	6C	3 602
6	68.38.016	81.50	101.87	-	4C	7 297

2015

Elbows Codos Cotovelos

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	68.07.002	1.80	2.25	10	330C	94
⅜	68.07.003	1.80	2.25	10	200C	131
½	68.07.004	2.30	2.87	10	150C	225
¾	68.07.006	3.10	3.87	5	90C	333
1	68.07.007	4.20	5.25	-	55C	496
1¼	68.07.008	6.00	7.50	-	35C	828
1½	68.07.009	7.60	9.50	-	25C	1 044
2	68.07.010	11.70	14.62	-	13C	1 847
2½	68.07.011	21.50	26.87	-	6C	2 625
3	68.07.012	32.40	40.50	-	5C	4 196
4	68.07.014	53.00	66.25	-	2C	8 152
6	68.07.016	198.81	248.52	-	1A	18 650

2025

45° Elbows
Codos a 45°
Cotovelos 45°

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	68.09.002	2.20	2.75	10	300C	80
⅜	68.09.003	2.20	2.75	10	200C	125
½	68.09.004	2.40	3.00	10	130C	206
¾	68.09.006	3.00	3.75	5	80C	302
1	68.09.007	4.00	5.00	-	55C	458
1¼	68.09.008	6.00	7.50	-	40C	705
1½	68.09.009	7.60	9.50	-	25C	974
2	68.09.010	10.70	13.37	-	15C	1 504
2½	68.09.011	21.40	26.75	-	8C	2 354
3	68.09.012	30.00	37.50	-	6C	3 686
4	68.09.014	45.00	56.25	-	3C	6 000
6	68.09.016	216.81	271.02	-	1C	12 974

2030

Street Elbows
Codos MH
Cotovelos MF

Dimension	Code	Index BLK	Index GAL	IP	EP	g
⅜	68.11.003	2.70	3.37	10	240C	119
½	68.11.004	3.10	3.87	10	130C	173
¾	68.11.006	3.55	4.43	5	90C	286
1	68.11.007	4.50	5.62	-	70C	449
1¼	68.11.008	7.10	8.87	-	40C	682
1½	68.11.009	8.90	11.12	-	25C	926
2	68.11.010	12.50	15.62	-	15C	1 475
2½	68.11.011	25.00	31.25	-	10C	2 568
3	68.11.012	37.00	46.25	-	4C	4 021

2033**Long Sweep Bends****Curvas****Curvas**

Dimension	Code	Index BLK	Index GAL	IP	EP	g
½	68.23.004	5.70	7.12	5	75C	333
¾	68.23.006	7.40	9.25	-	50C	537
1	68.23.007	9.50	11.87	-	30C	833
1¼	68.23.008	13.00	16.25	-	18C	1 382
1½	68.23.009	16.60	20.75	-	12C	1 845
2	68.23.010	26.60	33.25	-	8C	2 960
2½	68.23.011	44.00	55.00	-	4C	5 112
3	68.23.012	56.80	71.00	-	2C	8 068
4	68.23.014	105.00	131.25	-	1C	14 890

2045**Couplings****Cuplas****Luvas**

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	68.31.002	1.70	2.12	10	350C	73
⅜	68.31.003	1.80	2.25	10	200C	114
½	68.31.004	1.90	2.37	10	150C	200
¾	68.31.006	2.40	3.00	5	100C	286
1	68.31.007	3.50	4.37	-	70C	533
1¼	68.31.008	5.50	6.87	-	45C	687
1½	68.31.009	6.70	8.37	-	30C	855
2	68.31.010	9.50	11.87	-	24C	1 421
2½	68.31.011	17.00	21.25	-	9C	2 303
3	68.31.012	22.00	27.50	-	6C	3 120
4	68.31.014	35.00	43.75	-	4C	5 408
6	68.31.016	76.16	95.20	-	1C	11 980

2050R



Coupling, Reducing Cuplas de Reducción Luvas de Redução

Dimension	Code	Index BLK	Index GAL	IP	EP	g
½ x ¼	68.32.025	2.60	3.25	10	200C	133
½ x ⅜	68.32.026	2.60	3.25	10	150C	146
¾ x ⅜	68.32.028	3.60	4.50	10	130C	188
¾ x ½	68.32.029	3.60	4.50	10	120C	210
1 x ½	68.32.032	4.50	5.62	5	90C	306
1 x ¾	68.32.033	4.50	5.62	5	75C	325
1¼ x ¾	68.32.036	5.90	7.37	-	60C	490
1¼ x 1	68.32.037	5.90	7.37	-	60C	528
1½ x 1	68.32.041	6.50	8.12	-	40C	646
1½ x 1¼	68.32.042	6.50	8.12	-	35C	733
2 x 1¼	68.32.046	10.20	12.75	-	24C	1 090
2 x 1½	68.32.047	10.20	12.75	-	24C	1 160
2½ x 1½	68.32.050	16.10	20.12	-	15C	1 693
2½ x 2	68.32.051	16.10	20.12	-	12C	1 909
3 x 2	68.32.055	25.50	31.87	-	7C	2 447
3 x 2½	68.32.056	25.50	31.87	-	6C	2 793
4 x 2½	68.32.059	35.50	44.37	-	6C	3 964
4 x 3	68.32.060	35.50	44.37	-	4C	4 486
6 x 4	68.32.071	74.40	93.00	-	2C	9 175

2055



Caps Tapas Redondas Tampões

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	68.42.002	1.60	2.00	10	700C	45
⅜	68.42.003	1.65	2.06	10	600C	69
½	68.42.004	1.70	2.12	10	250C	107
¾	68.42.006	1.80	2.25	10	180C	171
1	68.42.007	2.40	3.00	5	100C	279
1¼	68.42.008	3.70	4.62	-	90C	420
1½	68.42.009	4.90	6.12	-	65C	509
2	68.42.010	6.40	8.00	-	35C	818
2½	68.42.011	11.20	14.00	-	20C	1 396
3	68.42.012	17.80	22.25	-	15C	2 157
4	68.42.014	26.60	33.25	-	9C	3 630
6	68.42.016	66.20	82.75	-	3C	7 423

2060



Tees Tes Tês

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	68.44.002	3.00	3.75	10	230C	119
⅜	68.44.003	3.10	3.87	10	150C	183
½	68.44.004	3.30	4.12	5	75C	313
¾	68.44.006	4.20	5.25	5	50C	484
1	68.44.007	5.50	6.87	-	40C	714
1¼	68.44.008	8.90	11.12	-	24C	1 077
1½	68.44.009	10.10	12.62	-	15C	1 375
2	68.44.010	17.00	21.25	-	12C	2.431
2½	68.44.011	27.20	34.00	-	6C	3 821
3	68.44.012	48.00	60.00	-	5C	5 599
4	68.44.014	82.30	102.87	-	2C	10 445
6	68.44.016	181.26	239.07	-	1A	25 300

2065R



Tees, Reducing Tes con Reducción Lateral Tês de Redução

Dimension	Code	Index BLK	Index GAL	IP	EP	g
1 ½ x ½ x ¼	68.45.025	3.60	4.50	5	110C	230
½ x ½ x ⅜	68.45.026	3.60	4.50	5	90C	257
¾ x ¾ x ⅜	68.45.028	4.20	5.25	5	70C	347
¾ x ¾ x ½	68.45.029	4.20	5.25	5	60C	393
1 x 1 x ½	68.45.032	6.10	7.62	-	55C	561
1 x 1 x ¾	68.45.033	6.10	7.62	-	50C	590
1¼ x 1¼ x ¾	68.45.036	9.50	11.87	-	30C	855
1¼ x 1¼ x 1	68.45.037	9.50	11.87	-	25C	923
1½ x 1½ x 1	68.45.041	10.60	13.25	-	25C	1 128
1½ x 1½ x 1¼	68.45.042	10.60	13.25	-	18C	1 289
2 x 2 x 1¼	68.45.046	18.40	23.00	-	14C	1 809
2 x 2 x 1½	68.45.047	18.40	23.00	-	12C	1 939
2½ x 2½ x 1½	68.45.050	30.00	37.50	-	10C	2 863
2½ x 2½ x 2	68.45.051	30.00	37.50	-	7C	3 132
3 x 3 x 2	68.45.055	50.00	62.50	-	6C	4 347
3 x 3 x 2½	68.45.056	50.00	62.50	-	6C	4 781
4 x 4 x 2½	68.45.059	71.00	88.75	-	3C	7 462
4 x 4 x 3	68.45.060	71.00	88.75	-	2C	7 983
6 x 6 x 4	68.45.071	74.40	93.00	-	2A	16 650

2070**Unions Brass, Taper Seat****Uniones con Asiento Cónico de Bronce****Uniões com Assento Cônico de Bronze**

Dimension	Code	Index BLK	Index GAL	IP	EP	g
¼	68.61.002	7.00	8.75	10	200C	144
⅜	68.61.003	7.00	8.75	10	150C	204
½	68.61.004	7.40	9.25	5	90C	281
¾	68.61.006	9.50	11.87	-	50C	523
1	68.61.007	11.90	14.87	-	50C	645
1¼	68.61.008	18.60	23.25	-	25C	941
1½	68.61.009	22.50	28.12	-	20C	1 375
2	68.61.010	31.00	38.75	-	14C	1 897
2½	68.61.011	58.00	72.50	-	8C	3 142
3	68.61.012	95.00	118.75	-	5C	4 471
4	68.61.014	182.50	228.12	-	2C	8 481

2075**Unions Elbows, Brass Taper Seat****Codos con Union Bronce****Uniões com Cot. Assento Cônico de Bronze**

Dimension	Code	Index BLK	Index GAL	IP	EP	g
½	68.70.004	8.69	10.86	5	60C	427
¾	68.70.006	10.71	13.38	-	40C	731
1	68.70.007	14.54	18.18	-	25C	968
1¼	68.70.008	22.05	27.56	-	18C	1 489
1½	68.70.009	26.69	33.35	-	13C	2 045
2	68.70.010	36.87	46.09	-	10C	2 955



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