

Reducing Bushings

Figure 1002R · TUPY NPT Medium Pressure · Class 150

Pressure class	Class 150 — up to 300 psi (21 bar) at room temperature
Thread	NPT taper — ASME B1.20.1
Standard	ASME B16.3 · ABNT NBR 6925
Material	Black malleable iron — ASTM A197 / ABNT NBR 6590
Size range	3/8" x 1/4" – 6" x 4"
Code series	6901
Finish	Black (code +41) · hot-dip galvanised (code +43)
Applications	Water, gas, steam, compressed air, fire protection and industrial lines



Dimensions and weights by size

Dimensions in mm · weight per piece in kg · TUPY catalogue p. 55

Nominal size (NPS)		Model	Dimensions (mm)					Unit weight (kg)		Code
in	mm	Model	a min.	t min.	d	c min.	g	Galv.	Black	Code
3/8 x 1/4	10 x 8	I	12.2	10.2	4.1	17.3	-	0.018	0.017	6901023
1/2 x 1/4	15 x 8	I	14.2	8.1	4.8	22.1	-	0.044	0.042	6901025
1/2 x 3/8	15 x 10	I	14.2	10.4	4.8	22.1	-	0.032	0.031	6901026
3/4 x 3/8	20 x 10	I	16	9.1	5.6	29.2	-	0.070	0.068	6901028
3/4 x 1/2	20 x 15	I	16	13.5	5.6	29.2	-	0.056	0.054	6901029
1 x 1/2	25 x 15	I	19.1	10.9	6.4	36.1	-	0.118	0.114	6901032
1 x 3/4	25 x 20	I	19.1	12.7	6.4	36.1	-	0.096	0.093	6901033
1 1/4 x 1/2	32 x 15	II	20.3	10.9	8.6	34	4.8	0.160	0.155	6901035
1 1/4 x 3/4	32 x 20	I	20.3	12.7	7.1	44.7	-	0.196	0.193	6901036
1 1/4 x 1	32 x 25	I	20.3	14.7	7.1	44.7	-	0.156	0.153	6901037
1 1/2 x 3/4	40 x 20	II	21.1	12.7	9.4	41.4	5.1	0.211	0.208	6901040
1 1/2 x 1	40 x 25	I	21.1	14.7	7.9	50.8	-	0.257	0.250	6901041
1 1/2 x 1 1/4	40 x 32	I	21.1	18	7.9	50.8	-	0.174	0.169	6901042
2 x 1	50 x 25	II	22.4	14.7	10.4	49.5	-	0.338	0.331	6901045
2 x 1 1/4	50 x 32	I	22.4	17	8.6	63	-	0.408	0.401	6901046
2 x 1 1/2	50 x 40	I	22.4	17.8	8.6	63	-	0.342	0.336	6901047
2 1/2 x 1 1/2	65 x 40	I	27.2	17.8	11.2	68.1	-	0.784	0.771	6901050
2 1/2 x 2	65 x 50	I	27.2	19.1	9.4	75.7	-	0.578	0.574	6901051
3 x 2	80 x 50	II	28.7	19.1	12.2	68.1	6.6	1.160	1.153	6901055
3 x 2 1/2	80 x 65	I	28.7	23.4	10.2	98	-	0.953	0.945	6901056
4 x 2 1/2	100 x 65	II	32	25	16	99	6.7	1.392	1.385	6901059
4 x 3	100 x 80	I	44	29	13	119	-	1.780	1.761	6901060
6 x 4	150 x 100	II	48	35	19	148	7.5	3.595	3.536	6901071



Malleable cast iron pipe fittings

TECHNICAL DATASHEET

TUPY NPT Medium Pressure — NPT threaded fittings · Class 150

Pressure-temperature rating

Class 150 · ASME B16.3 / ABNT NBR 6925 · unions to ASME B16.39

Temperature °C	Fittings ½- 6" (psi)	Unions ½- 4" (psi)	MPa (kgf/cm²)
-29 to 66	300	300	2.1 (21)
93	265	265	1.8 (18)
121	225	225	1.5 (15)
149	185	185	1.3 (13)
177	150	150	1.0 (10)
204	—	110	0.7 (7)
232	—	75	0.5 (5)

1 bar = 14.5 psi = 0.1 MPa = 1 kgf/cm²

Markings cast on the fitting

- TUPY brand
- Nominal pipe size
- MI (malleable iron) monogram
- Class number 150
- BRAZIL (country of origin)
- UL monogram

Surface protection

Black finish (non-toxic oil) or hot-dip galvanised to ABNT NBR 6323 / ASTM A153. Epoxy, cataphoretic, hybrid or double-galvanised coatings on request.

Designation

Reference standards ABNT NBR 6925, ASME B16.3, ASME B16.14 and ASME B16.39. Designation example: NBR 6925 – 1002R Reducing Bushings – 1½ x 1 – Fe (black) / Zn (galvanised).

Certifications and standards



UL Listed



FM Approved



DVGW



ABNT



INMETRO



ISO 9001 / 14001 / 45001

Manufacturing standards: ASTM A197 · ABNT NBR 6590 · ABNT NBR 6925 · ASME B16.3 · ASME B1.20.1 · ASME B16.14 · ASME B16.39

Supply and enquiries

Stock held in the UAE for fast delivery across the GCC; full-container supply direct from Brazil on request. Exclusive agent for the Middle East and the Gulf: Amini Building Materials Trading L.L.C, Dubai, UAE.

Tel +971 4 236 7677 · **WhatsApp** +971 56 950 9061 · **Email** info@abmtgroup.com
· **Web** tupyfittings.com



AMINI BUILDING
MATERIALS TRADING

Dimension letters refer to the TUPY catalogue drawing for this figure. Sizes are nominal pipe sizes (NPS). Product code = catalogue code + 41 (black) or + 43 (galvanised). Values from the TUPY technical catalogue, subject to change without notice.