

Sockets

Figure 1045 · 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	1/4" – 2"
Code series	6931
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. 57

Nominal size (NPS)			Dimensions (mm)							Unit weight (kg)		Code
in	mm	w	b min.	e min.	f min.	f max.	g	h min.	Rib	Galv.	Black	Code
3/8	10	20.6	8.1	5.5	18.7	14.8	2.4	21.4	2.4	0.043	0.041	6931002
1/2	15	28.5	10.9	6.8	21.3	22.8	2.7	30.4	2.7	0.096	0.086	6931004
3/4	20	33.3	12.7	6.9	26.7	28.1	3	37	3	0.156	0.145	6931006
1	25	38.1	14.7	7.7	33.4	35.2	3.4	45	3.4	0.224	0.216	6931007
1 1/4	32	44.5	17	8.7	42.3	43.9	3.7	54.7	3.7	0.352	0.344	6931008
1 1/2	40	49.3	17.8	9.3	48.3	50	3.9	61.6	3.9	0.457	0.444	6931009
2	50	57.2	19.1	10.7	60.3	62.1	4.4	75.3	4.4	0.705	0.697	6931010



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 – 1045 Sockets – 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.

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· **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.