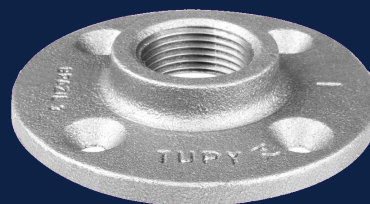


Flanges

Figure 1090 · 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	1/2" – 2"
Code series	6999
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. 60

Nominal size (NPS)			Dimensions (mm)							Unit weight (kg)		Code
in	mm	d	b	h	s	k	e	No. of holes	Ø hole nominal	Galv.	Black	Code
½	15	89	6	15	28	63.5	6.4	4	¼	0.189	0.180	6999004
¾	20	89	6	16	34	63.5	6.4	4	¼	0.273	0.260	6999006
1	25	102	6.5	18	41	76.2	6.4	4	¼	0.340	0.370	6999007
1¼	32	102	6.5	20	51	76.2	6.4	4	¼	0.421	0.420	6999008
1½	40	114	7	22	57	88.9	8	4	5/16	0.575	0.530	6999009
2	50	140	9	26	70	108	8	4	5/16	0.895	0.883	6999010



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/cm ²)
-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 – 1090 Flanges – 1½ – 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.