MS 1000 PSI TEE

Equal Tee · Mild Steel · NPT / BSPT Threaded

BRAND: SW FLOW CONTROLS | SKU: SW-0172 | SIZE 1/4" TO 4" | 1000 PSI / 69 BAR



FIG. 1 | MS 1000 PSI TEE

PRODUCT OVERVIEW

The SWBM MS 1000 PSI Tee has three female threaded openings arranged in a T, used to branch or merge flow at a single junction in threaded piping.

It is made from mild steel and rated 1000 PSI for dependable service in plumbing, water supply and general industrial lines. NPT or BSPT threads allow quick, weld free installation.

Fitting type	**Equal tee**
End connection	**Female threaded, 3 ends**
Material	**Mild steel (MS)**
Pressure rating	**1000 PSI (69 bar)**
Thread	**NPT or BSPT**
Size range	**1/4" to 4" (DN8 to DN100)**

TECHNICAL SPECIFICATION

Design standard	**ASME B16.3 (as listed)**
Material	**Mild steel (MS)**
Pressure rating	**1000 PSI (69 bar)**
End connection	**Female threaded, 3 ends**
Size range	**1/4" to 4" (DN8 to DN100)**
Threads (NPT)	**ASME B1.20.1**

Threads (BSPT)	**ISO 7-1 / BS 21**
Service	**Water, oil, gas and air**
Surface finish	**Bare mild steel**
Marking	**Size and thread type**

BILL OF MATERIALS

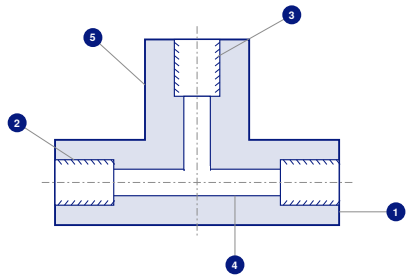


FIG. 2 | SECTIONAL ARRANGEMENT (SCHEMATIC)

#	COMPONENT	MATERIAL / DETAIL
1	Body	Mild steel (MS)
2	Run end (2 nos.)	Female taper thread, NPT or BSPT
3	Branch end	Female taper thread, NPT or BSPT
4	Waterway bore	Through bore, run and branch
5	Marking	Size and thread type

One piece construction. Items 2 to 5 are integral features, listed to identify the critical dimensional and inspection points.

DIMENSIONS

SIZE	DN	THREAD	THREADS PER INCH	PIPE OD (MM)	HAND TIGHT L1 (MM)	EFFECTIVE THREAD L2 (MM)
1/4"	8	1/4" NPT	18	13.7	5.1	10.2
3/8"	10	3/8" NPT	18	17.1	6.1	10.4
1/2"	15	1/2" NPT	14	21.3	8.1	13.6
3/4"	20	3/4" NPT	14	26.7	8.6	13.9
1"	25	1" NPT	11.5	33.4	10.2	17.3
1.1/4"	32	1.1/4" NPT	11.5	42.2	10.7	18.0
1.1/2"	40	1.1/2" NPT	11.5	48.3	10.7	18.4
2"	50	2" NPT	11.5	60.3	11.1	19.2
2.1/2"	65	2.1/2" NPT	8	73.0	17.3	28.9
3"	80	3" NPT	8	88.9	19.5	30.5
4"	100	4" NPT	8	114.3	21.4	33.0

Thread data per ASME B1.20.1 (NPT) and pipe OD per ASME B36.10 for the mating pipe. BSPT threads to ISO 7-1 are available. Body dimensions follow the manufacturer standard and are not published here. Certified drawings, body dimensions and weights are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0172
Size	1/4", 3/8", 1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4"
Thread	NPT or BSPT, state on order
Pressure rating	1000 PSI (69 bar)
Certification	Material test certificate on request
Order example	**SW-0172 / 1" / NPT / MS**

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.

PRESSURE AND TEMPERATURE

Rated pressure	**1000 PSI (69 bar), as listed**
Service basis	**Ambient temperature, non-shock**
Material	**Mild steel (MS)**
Threads	**NPT or BSPT, taper**

The 1000 PSI rating is taken from the product listing and applies at ambient temperature in non-shock service. Derating for elevated temperature, steam or cyclic duty must be confirmed with SWBM before use.

TYPICAL APPLICATIONS

- Plumbing and water supply lines
- General industrial and utility piping
- Compressed air and low pressure gas lines
- Oil, fuel and lubrication lines
- Irrigation and agricultural piping
- Plant maintenance and workshop use

COMPLIANCE AND QUALITY

- Pattern to ASME B16.3, as listed
- Mild steel construction
- NPT threads to ASME B1.20.1, BSPT threads to ISO 7-1
- Rated 1000 PSI (69 bar) for non-shock service
- Material test certificate on request
- Pressure test and third party inspection on request

INSTALLATION AND OPERATION

- Clean and inspect male and female threads before assembly
- Apply PTFE tape or an approved thread sealant to the male thread only
- Make up hand tight, then tighten with a wrench on the fitting body
- Do not over-tighten: excessive make-up can split the female end
- Never mix NPT and BSPT threads in one joint
- Support the line so threaded joints do not carry bending loads

COMPANY

Sunel Wala Building Materials
Trading Co. LLC (SWBM)
Dubai, United Arab Emirates

SALES ENQUIRIES

info@swbm-fittings.com
Tel: +971 4 238 5652
Mobile / WhatsApp: +971 50 748 1772

ONLINE

www.swbm-fittings.com
Brand: SW Flow Controls

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