

## MI TEE

Equal Tee · Black Malleable Iron

SKU: SW-0133

BRAND: JIANZHI

SIZE 1/8" TO 4"

BSPT / NPT FEMALE



FIG. 1 | MI TEE, THREE FEMALE THREADED OUTLETS

### PRODUCT OVERVIEW

The SWBM MI Tee takes a branch off a threaded line at 90 degrees. All three openings are the same size and female threaded, which makes it the standard distribution fitting for sprinkler grids, compressed air rings, risers and plant connections.

The body is cast in malleable iron with reinforcing bands at each socket and a radiused internal junction to limit turbulence at the branch. It is supplied black, oiled for transport.

|                |                                    |
|----------------|------------------------------------|
| Fitting type   | <b>Equal tee</b>                   |
| Function       | <b>90 degree branch connection</b> |
| Material       | <b>Malleable cast iron, black</b>  |
| End connection | <b>Female threaded, three ends</b> |
| Standard       | <b>EN 10242 / ISO 49</b>           |
| Size range     | <b>1/8" to 4" (DN6 to DN100)</b>   |

### TECHNICAL SPECIFICATION

|                      |                                            |                  |                                    |
|----------------------|--------------------------------------------|------------------|------------------------------------|
| Dimensional standard | <b>EN 10242 / ISO 49</b>                   | Threads (BSPT)   | <b>ISO 7-1 / EN 10226-1</b>        |
| Material             | <b>Malleable cast iron, EN-GJMB-350-10</b> | Threads (NPT)    | <b>ASME B1.20.1</b>                |
| Tensile strength     | <b>350 N/mm<sup>2</sup> minimum</b>        | Internal thread  | <b>Parallel Rp, ISO 228-1</b>      |
| Elongation           | <b>10 per cent minimum</b>                 | Working pressure | <b>25 bar (363 psi) maximum</b>    |
| Finish               | <b>Black, self colour</b>                  | Figure reference | <b>EN 10242 fig. 130</b>           |
| Protection           | <b>Oiled for transport and storage</b>     | Ends             | <b>Female threaded, three ends</b> |



## BILL OF MATERIALS

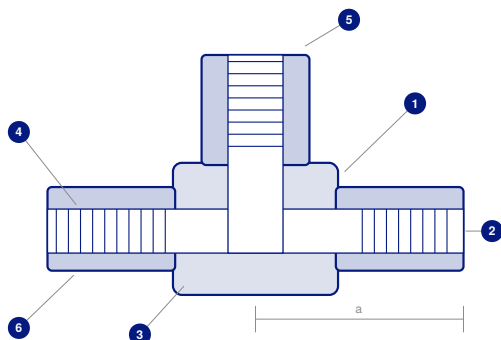


FIG. 2 | SECTIONAL ARRANGEMENT

| # | FEATURE              | DESCRIPTION                            |
|---|----------------------|----------------------------------------|
| 1 | Body                 | Malleable cast iron, one piece         |
| 2 | Run sockets (2 nos.) | Parallel Rp to ISO 228-1, or NPT       |
| 3 | Branch socket        | Parallel Rp to ISO 228-1, or NPT       |
| 4 | Reinforcing band     | Raised band at each socket mouth       |
| 5 | Junction fillet      | Radiused internal corner at the branch |
| 6 | Finish               | Black self colour, oiled               |

One piece fitting with no seals or moving parts. Sealing is made on the threads using PTFE tape or an approved thread sealant. The same figure is stocked hot dip galvanised as a separate item.

## DIMENSIONS AND WEIGHTS

| SIZE   | DN  | THREAD | A (MM) | Z (MM) | RUN END TO END (MM) |
|--------|-----|--------|--------|--------|---------------------|
| 1/8"   | 6   | 1/8"   | 19     | 12     | 38                  |
| 1/4"   | 8   | 1/4"   | 21     | 11     | 42                  |
| 3/8"   | 10  | 3/8"   | 25     | 15     | 50                  |
| 1/2"   | 15  | 1/2"   | 28     | 15     | 56                  |
| 3/4"   | 20  | 3/4"   | 33     | 18     | 66                  |
| 1"     | 25  | 1"     | 38     | 21     | 76                  |
| 1.1/4" | 32  | 1.1/4" | 45     | 26     | 90                  |
| 1.1/2" | 40  | 1.1/2" | 50     | 31     | 100                 |
| 2"     | 50  | 2"     | 58     | 34     | 116                 |
| 2.1/2" | 65  | 2.1/2" | 69     | 42     | 138                 |
| 3"     | 80  | 3"     | 78     | 48     | 156                 |
| 4"     | 100 | 4"     | 96     | 60     | 192                 |

a = centre of body to face of socket, z = assembly length after make up, run end to end = 2a. Dimensions are taken from the EN 10242 / ISO 49 pattern for this figure and are nominal. Masses are not published for this item and are therefore not stated. Certified drawings and weights for the make supplied are issued on request.

## ORDERING INFORMATION

| FIELD         | OPTIONS                                                              |
|---------------|----------------------------------------------------------------------|
| Product code  | SW-0133                                                              |
| Size          | 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4" |
| Thread        | BSPT or NPT, as ordered                                              |
| Material      | Malleable cast iron, black                                           |
| Order example | <b>SW-0133 / 1" / BSPT / BLACK</b>                                   |

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

|                           |                                            |
|---------------------------|--------------------------------------------|
| Maximum working pressure  | <b>25 bar (363 psi), non-shock</b>         |
| Water and general service | <b>25 bar at -20°C to +120°C</b>           |
| Steam and hot media       | <b>Derated, confirm the duty with SWBM</b> |
| Temperature range         | <b>-20°C to +200°C</b>                     |

Ratings are those published for malleable cast iron threaded fittings to EN 10242 and apply to non-shock service. Black fittings carry no protective coating, so confirm the medium and the duty with SWBM before use on wet or corrosive service.

## TYPICAL APPLICATIONS

- Fire protection and sprinkler pipework
- Compressed air and low pressure gas lines
- Steam and condensate services within rating
- Building services, HVAC and plant rooms
- Pipe framed structures and industrial furniture
- General workshop and utility pipework

## COMPLIANCE AND QUALITY

- Manufactured to EN 10242 / ISO 49
- Material EN-GJMB-350-10 malleable cast iron
- Tensile strength 350 N/mm<sup>2</sup>, elongation 10 per cent
- Taper external threads to ISO 7-1 / EN 10226-1
- NPT threads to ASME B1.20.1 available to order
- Air tightness tested before despatch
- Material test certificate EN 10204 3.1 on request

## INSTALLATION AND OPERATION

- Clean and de-burr the pipe thread before assembly
- Apply PTFE tape or an approved thread sealant to the male thread only
- Tighten with a pipe wrench on the fitting body or hexagon
- Do not over-tighten, cast iron will crack if it is forced
- Black fittings are not coated, paint or wrap them where corrosion is a risk
- Pressure test the joint before covering or insulating the line

### COMPANY

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

### SALES ENQUIRIES

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### ONLINE

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Brand: Jianzhi

The information in this data sheet is provided in good faith and is believed to be accurate at the date of issue. Dimensions, weights and ratings are nominal and may vary with the manufacturer and production batch. It remains the responsibility of the purchaser to confirm that the product is suitable for the intended service conditions. Sunel Wala Building Materials Trading Co. LLC reserves the right to amend specifications without prior notice. This document does not form part of any contract of sale.