

MI REDUCING COUPLING / SOCKET

Reducing Straight Coupling · Black Malleable Iron

SKU: SW-0130

BRAND: JIANZHI

SIZE 1/8" TO 4"

BSPT / NPT FEMALE



FIG. 1 | MI REDUCING COUPLING, FEMALE BOTH ENDS

PRODUCT OVERVIEW

The SWBM MI Reducing Coupling joins two male threaded ends of different sizes on a common axis. It changes line diameter in a single fitting, without the bush and socket combination that would otherwise be needed.

The internal transition is tapered to keep the change of section gradual. The body is cast in malleable iron and supplied black, oiled for transport and storage.

Fitting type	Reducing straight coupling
Function	Joins two male ends of different size
Material	Malleable cast iron, black
End connection	Female threaded, both ends
Standard	EN 10242 / ISO 49
Size range	1/8" to 4" (DN6 to DN100)

TECHNICAL SPECIFICATION

Dimensional standard	EN 10242 / ISO 49	Threads (BSPT)	ISO 7-1 / EN 10226-1
Material	Malleable cast iron, EN-GJMB-350-10	Threads (NPT)	ASME B1.20.1
Tensile strength	350 N/mm ² minimum	Internal thread	Parallel Rp, ISO 228-1
Elongation	10 per cent minimum	Working pressure	25 bar (363 psi) maximum
Finish	Black, self colour	Figure reference	EN 10242 fig. 240
Protection	Oiled for transport and storage	Ends	Female threaded, both ends



PRODUCT DATA SHEET

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BILL OF MATERIALS

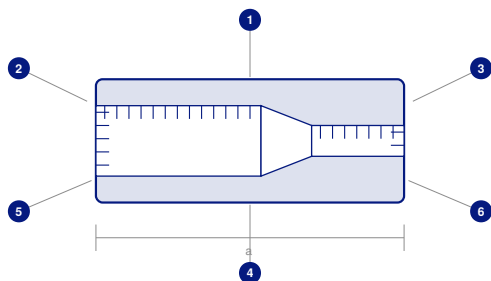


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Body	Malleable cast iron, one piece
2	Large female socket	Parallel Rp to ISO 228-1, or NPT
3	Small female socket	Parallel Rp to ISO 228-1, or NPT
4	Internal transition	Tapered shoulder between the two bores
5	Reinforcing band	Raised band at each socket mouth
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 1	SIZE 2	DN 1	DN 2	A (MM)	Z (MM)
1/4"	1/8"	8	6	27	10
3/8"	1/4"	10	8	30	10
1/2"	1/4"	15	8	36	13
1/2"	3/8"	15	10	36	13
3/4"	3/8"	20	10	39	14
3/4"	1/2"	20	15	39	11
1"	1/2"	25	15	45	15
1"	3/4"	25	20	45	13
1.1/4"	3/4"	32	20	50	16
1.1/4"	1"	32	25	50	14
1.1/2"	1"	40	25	55	19
1.1/2"	1.1/4"	40	32	55	17
2"	1"	50	25	65	24
2"	1.1/2"	50	40	65	22
2.1/2"	2"	65	50	74	23
3"	2"	80	50	80	26
3"	2.1/2"	80	65	80	23
4"	3"	100	80	94	28

a = overall length, z = clear distance between the two pipe ends once made up. Reductions are listed as large size by small size. Combinations other than those listed are offered against enquiry. Dimensions are nominal and masses are not published.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0130
Size	1/8" to 4", reducing combinations as listed
Thread	BSPT or NPT, as ordered
Material	Malleable cast iron, black
Order example	SW-0130 / 1" x 3/4" / BSPT / BLACK

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



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PRESSURE AND TEMPERATURE

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

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/mm², 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

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

ONLINE

www.swbm-fittings.com
Brand: Jianzhi

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