

BRASS REDUCING COUPLING / SOCKET

Reducing Straight Coupling · Brass · Female Threaded

SKU: SW-0144

SIZE 1/8" TO 4"

BSPT / NPT FEMALE

BRASS



FIG. 1 | BRASS REDUCING COUPLING, FEMALE BOTH ENDS

PRODUCT OVERVIEW

The SWBM Brass 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.

Both ends are female threaded to the EN 10242 pattern and the internal transition is tapered to keep the change of section gradual. It is produced in brass for potable water, chilled water and general utility service.

Fitting type	Reducing straight coupling
Function	Joins two male ends of different size
Material	Brass
End connection	Female threaded, both ends
Bore	Tapered internal transition
Size range	1/8" to 4" (DN6 to DN100)

TECHNICAL SPECIFICATION

Dimensional pattern	EN 10242 / ISO 49	Figure reference	EN 10242 fig. 240
Material	Brass, hot pressed or cast	Ends	Two unequal female ends
Finish	Natural brass, unplated	Working pressure	16 bar (232 psi) nominal
Threads (BSPT)	ISO 7-1 / BS 21	Temperature range	-20°C to +120°C nominal
Threads (NPT)	ASME B1.20.1	Size range	1/8" to 4" (DN6 to DN100)
Internal thread	Parallel Rp, ISO 228-1		



PRODUCT DATA SHEET

BRASS REDUCING COUPLING / SOCKET

Ref. SW-0144 | Rev. 01

BILL OF MATERIALS

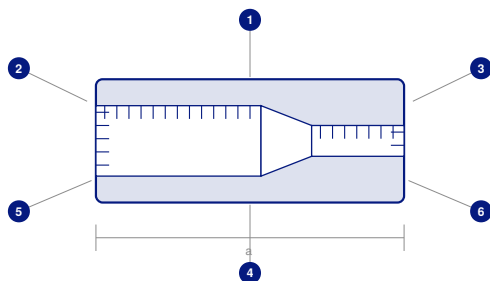


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Body	Brass, 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	Casting rib	Longitudinal rib on the outer body

One piece fitting with no seals or moving parts. Sealing is made on the threads using PTFE tape or an approved thread sealant. Combinations other than those listed can be offered against enquiry.

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. Dimensions are taken from the EN 10242 / ISO 49 pattern and are nominal. Masses are not published and are therefore not stated.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0144
Size	1/8" to 4", reducing combinations as listed
Thread	BSPT or NPT, as ordered
Material	Brass, natural finish
Order example	SW-0144 / 1" x 3/4" / BSPT / BRASS

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

Water and general service	16 bar (232 psi) nominal at ambient
Compressed air and gas	10 bar (145 psi) nominal at ambient
Temperature range	-20°C to +120°C nominal
Service	Non-shock, non-corrosive media

Pressure and temperature figures are nominal values typical of threaded brass fittings to this pattern. They are not published on the product page and must be confirmed by SWBM for the make supplied before use in a rated or certified system.

TYPICAL APPLICATIONS

- Potable and general water supply networks
- Plumbing, sanitary and irrigation pipework
- Compressed air and low pressure gas lines
- Fire protection service pipework and hose reels
- General industrial and utility piping
- Instrument, drain and vent connections

COMPLIANCE AND QUALITY

- Dimensions to the EN 10242 / ISO 49 threaded fitting pattern
- Taper external threads to ISO 7-1 / BS 21, parallel internal threads to ISO 228-1
- NPT threads to ASME B1.20.1 available to order
- Brass construction, good corrosion resistance in potable and general water service
- Visual and dimensional inspection prior to despatch
- Material test certificate available on request against project orders

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 on the hexagon flats or across the fitting body, never on the pipe run
- Do not over-tighten, brass threads will gall or split if forced
- Avoid direct contact with galvanised steel in aggressive water without a dielectric union
- 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
Threaded brass pipe fittings

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.