

BRASS CAP – FEMALE THREADED

Female Threaded End Cap · Brass · Hexagon Body

SKU: SW-0152

SIZE 1/8" TO 4"

BSPT / NPT FEMALE

BRASS



FIG. 1 | BRASS CAP, FEMALE THREADED, HEXAGON BODY

PRODUCT OVERVIEW

The SWBM Brass Cap is a female threaded end cap used to seal off the threaded end of a pipe or a male fitting without welding. It gives a permanent but removable closure on lines that are commissioned in stages, left for future extension, or isolated for maintenance.

The body is machined from brass with a hexagon outer profile for spanner tightening, and is supplied with a parallel internal thread to the EN 10242 pattern. BSPT and NPT threads are available, which suits the cap to both British and American threaded pipework.

Fitting type	End cap, female threaded
Function	Blanks off a male pipe end
Material	Brass
End connection	Female threaded, one end
Body form	Hexagon, spanner tightened
Size range	1/8" to 4" (DN6 to DN100)

TECHNICAL SPECIFICATION

Dimensional pattern	EN 10242 / ISO 49	Figure reference	EN 10242 fig. 300
Material	Brass, hot pressed or cast	Ends	One female end, closed crown
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 CAP – FEMALE THREADED
Ref. SW-0152 | Rev. 01

BILL OF MATERIALS

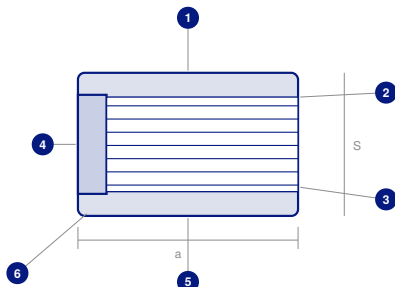


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Body	Brass, one piece
2	Internal thread	Parallel Rp to ISO 228-1, or NPT
3	Thread run-out	Machined relief at the thread start
4	Closed crown	Solid end wall, no waterway
5	Hexagon flats	Six flats for spanner tightening
6	Wall thickness	Uniform section for pressure containment

The cap is a single machined component with no seals or moving parts. Sealing is made on the thread using PTFE tape or an approved thread sealant.

DIMENSIONS AND WEIGHTS

SIZE	DN	THREAD	A (MM)	S MAX (MM)
1/8"	6	1/8"	13	15
1/4"	8	1/4"	15	18
3/8"	10	3/8"	17	22
1/2"	15	1/2"	19	26
3/4"	20	3/4"	22	32
1"	25	1"	24	39
1.1/4"	32	1.1/4"	27	48
1.1/2"	40	1.1/2"	27	54
2"	50	2"	32	66
2.1/2"	65	2.1/2"	35	84
3"	80	3"	38	96
4"	100	4"	45	123

a = overall length of the cap, S max = hexagon across flats. Dimensions are taken from the EN 10242 / ISO 49 pattern for threaded fittings of 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-0152
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	Brass, natural finish
Order example	SW-0152 / 1.1/2" / 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.



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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

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Threaded brass pipe fittings

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