GI CAP – BSPT THREADED

Female Threaded End Cap · Galvanised Malleable Iron

SKU: SW-0124 | BRAND: JIANZHI | SIZE 1/8" TO 4" | BSPT / NPT FEMALE



FIG. 1 | GI CAP, FEMALE THREADED, BANDED

PRODUCT OVERVIEW

The SWBM GI Cap seals the threaded end of a pipe or a male fitting without welding. It closes a line that has been commissioned in stages, isolates a section for maintenance, or protects an end left for future extension.

The cap is cast in malleable iron and hot dip galvanised for corrosion protection in buried, exposed and wet installations. A banded crown gives the wall thickness needed to hold full line pressure.

Fitting type	**End cap, female threaded**
Function	**Blanks off a male pipe end**
Material	**Malleable cast iron, galvanised**
End connection	**Female threaded, one end**
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/mm² minimum**	Internal thread	**Parallel Rp, ISO 228-1**
Elongation	**10 per cent minimum**	Working pressure	**25 bar (363 psi) maximum**
Finish	**Hot dip galvanised**	Figure reference	**EN 10242 fig. 300**
Zinc coating	**Not less than 500 g/m²**	Ends	**Female threaded, one end**

BILL OF MATERIALS

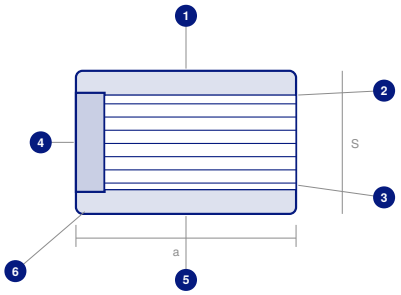


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Body	Malleable cast iron, 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	Reinforcing band	Raised band at the mouth of the cap
6	Galvanised coating	Hot dip zinc, inside and out

One piece fitting with no seals or moving parts. Sealing is made on the threads 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 = across flats or band diameter. 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-0124
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, hot dip galvanised
Order example	**SW-0124 / 2" / BSPT / GALVANISED**

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	**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. Confirm the rating for the make supplied before use in a certified or fire rated system.

TYPICAL APPLICATIONS

- Water supply and distribution networks
- Fire protection and sprinkler pipework
- Compressed air and low pressure gas lines
- Building services, HVAC and plant rooms
- Irrigation, drainage and utility piping
- General industrial and workshop pipework

COMPLIANCE AND QUALITY

- Manufactured to EN 10242 / ISO 49
- Material EN-GJMB-350-10 malleable cast iron
- Taper external threads to ISO 7-1 / EN 10226-1
- NPT threads to ASME B1.20.1 available to order
- Hot dip galvanised, zinc coating not less than 500 g/m²
- 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
- Avoid heavy tool marks, they break the galvanised coating
- Pressure test the joint before covering or insulating the line

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