



GI HEX NIPPLE

Equal Hexagon Nipple · Galvanised Malleable Iron

SKU: SW-0116

BRAND: JIANZHI

SIZE 1/8" TO 4"

BSPT / NPT MALE



FIG. 1 | GI HEX NIPPLE, MALE BOTH ENDS

PRODUCT OVERVIEW

The SWBM GI Hex Nipple joins two female threaded outlets on a straight axis. It is the standard way to connect a valve, meter, strainer or fitting to a female socket, and to make up short spool lengths where a cut pipe would be impractical.

A central hexagon gives a positive spanner grip, so the nipple can be tightened to full sealing torque without damaging the threads. The body is cast in malleable iron and hot dip galvanised.

Fitting type	Equal hexagon nipple
Function	Joins two female threaded outlets
Material	Malleable cast iron, galvanised
End connection	Male 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	Hot dip galvanised	Figure reference	EN 10242 fig. 280
Zinc coating	Not less than 500 g/m ²	Ends	Male threaded, both ends



BILL OF MATERIALS

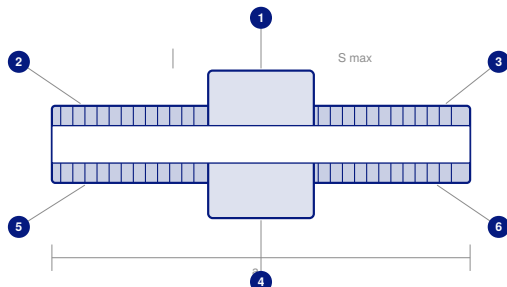


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Central hexagon	Six flats for spanner tightening
2	Male thread, end 1	Taper R to ISO 7-1, or NPT
3	Male thread, end 2	Taper R to ISO 7-1, or NPT
4	Waterway	Full bore through the nipple
5	Thread run-out	Machined relief at each hexagon face
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"	29	13
1/4"	8	1/4"	36	17
3/8"	10	3/8"	38	22
1/2"	15	1/2"	44	27
3/4"	20	3/4"	47	32
1"	25	1"	53	41
1.1/4"	32	1.1/4"	57	50
1.1/2"	40	1.1/2"	59	55
2"	50	2"	68	70
2.1/2"	65	2.1/2"	75	85
3"	80	3"	83	100
4"	100	4"	95	130

a = overall length, S max = hexagon across flats. Barrel and long nipples are stocked separately. 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-0116
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-0116 / 1" / 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

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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