



SS316L 6000 PSI HEX NIPPLE BSP

Hex Nipple · Stainless Steel 316L · BSP Threaded · 6,000 PSI

BRAND: SW FLOW CONTROLS

SKU: SW-0260

SIZE 1/4" TO 1"

6,000 PSI / 414 BAR



FIG. 1 | SS316L 6000 PSI HEX NIPPLE BSP

PRODUCT OVERVIEW

The SWBM SS316L 6000 PSI Hex Nipple BSP joins two female BSP threaded fittings, valves or instruments of the same size. Both ends carry male BSP threads.

The integral hex centre takes a standard spanner, giving a short and rigid connection rated 6,000 PSI in corrosion resistant 316L stainless steel.

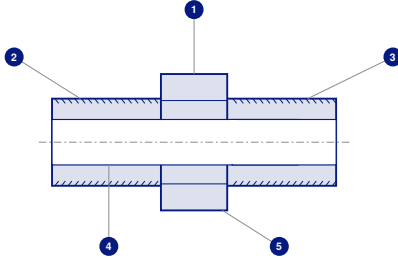
Fitting type	Hex nipple
End connection	Male BSP, both ends
Material	Stainless steel 316L
Pressure rating	6,000 PSI (414 bar)
Thread	BSP, ISO 228-1 / ISO 7-1
Size range	1/4" to 1" (DN8 to DN25)

TECHNICAL SPECIFICATION

Design standard	Manufacturer standard	Body	One piece, solid section
Material	Stainless steel 316L	Service	Liquids and gases
Pressure rating	6,000 PSI (414 bar)	Surface finish	Machined, bright
End connection	Male BSP, both ends	Marking	Material, size, thread, rating, heat no.
Size range	1/4" to 1" (DN8 to DN25)		
Threads (BSP)	ISO 228-1 / ISO 7-1		



BILL OF MATERIALS



#	COMPONENT	MATERIAL / DETAIL
1	Body	Stainless steel 316L, solid
2	Male end	Male BSP thread
3	Opposite male end	Male BSP thread
4	Internal passage	Through bore
5	Hex	Spanner flats

One piece construction. Items 2 to 5 are integral features, listed to identify the critical dimensional and inspection points.

FIG. 2 | SECTIONAL ARRANGEMENT (SCHEMATIC)

DIMENSIONS

SIZE	DN	THREAD	THREADS PER INCH	MAJOR DIAMETER (MM)	PIPE OD (MM)
1/4"	8	G / R 1/4"	19	13.157	13.7
3/8"	10	G / R 3/8"	19	16.662	17.1
1/2"	15	G / R 1/2"	14	20.955	21.3
3/4"	20	G / R 3/4"	14	26.441	26.7
1"	25	G / R 1"	11	33.249	33.4

Thread pitch and major diameter per ISO 228-1 (G, parallel) and ISO 7-1 (R, taper), which share the same values at the gauge plane. Confirm parallel or taper form on order. Body dimensions follow the manufacturer standard and are not published here. Certified drawings, body dimensions and weights are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0260
Size	1/4", 3/8", 1/2", 3/4", 1"
Thread	BSP, state parallel or taper on order
Pressure rating	6,000 PSI (414 bar)
Certification	EN 10204 3.1 on request
Order example	SW-0260 / 1/2" / BSP / SS316L

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



PRODUCT DATA SHEET

SS316L 6000 PSI HEX NIPPLE BSP

Ref. SW-0260 | Rev. 01

PRESSURE AND TEMPERATURE

Rated pressure	6,000 PSI (414 bar), as listed
Service basis	Ambient temperature, non-shock
Material	Stainless steel 316L
Threads	BSP to ISO 228-1 (parallel) or ISO 7-1 (taper)

The 6,000 PSI rating is taken from the product listing and applies at ambient temperature in non-shock service. The system rating is set by its lowest rated component. Derating for elevated temperature or cyclic duty must be confirmed with SWBM.

TYPICAL APPLICATIONS

- Hydraulic power units and test benches
- Chemical injection and wellhead control lines
- High pressure instrument and gauge connections
- Oil and gas, petrochemical and power plants
- Marine and offshore hydraulic systems
- Pressure test rigs and manifolds

COMPLIANCE AND QUALITY

- Stainless steel 316L body
- BSP threads to ISO 228-1 / ISO 7-1
- Rated 6,000 PSI (414 bar), non-shock service
- Marked with material, size, thread, rating and heat number
- Material test certificate EN 10204 3.1 on request
- Pressure test and third party inspection on request

INSTALLATION AND OPERATION

- Clean and inspect the threads before assembly
- For taper BSP apply PTFE tape or sealant to the male thread. For parallel BSP seal on the cone, bonded washer or O-ring face
- Use an anti-galling compound where permitted, stainless threads can gall if dry
- Tighten with a correctly sized spanner while holding the mating part
- Confirm every component in the assembly is rated for the working pressure
- Pressure test the completed assembly before putting it into service

COMPANY

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