



SS316L 6000 PSI HEX NIPPLE NPT X BSP

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

BRAND: SW FLOW CONTROLS

SKU: SW-0261

SIZE 1/4" TO 1"

6,000 PSI / 414 BAR



FIG. 1 | SS316L 6000 PSI HEX NIPPLE NPT X BSP

PRODUCT OVERVIEW

The SWBM SS316L 6000 PSI Hex Nipple NPT x BSP is an adaptor that joins a female NPT port to a female BSP port of the same nominal size. It removes the need for a separate adaptor between American and British thread standards.

The integral hex centre takes a standard spanner. It is rated 6,000 PSI and made from 316L stainless steel for corrosion resistant high pressure service.

Fitting type	Hex nipple, NPT x BSP
End connection	Male NPT x male BSP
Material	Stainless steel 316L
Pressure rating	6,000 PSI (414 bar)
Thread	NPT x BSP
Size range	1/4" to 1" (DN8 to DN25)

TECHNICAL SPECIFICATION

Design standard	Manufacturer standard	Threads (BSP)	ISO 228-1 / ISO 7-1
Material	Stainless steel 316L	Body	One piece, solid section
Pressure rating	6,000 PSI (414 bar)	Service	Liquids and gases
End connection	Male NPT x male BSP	Surface finish	Machined, bright
Size range	1/4" to 1" (DN8 to DN25)		
Threads (NPT)	ASME B1.20.1		



PRODUCT DATA SHEET

SS316L 6000 PSI HEX NIPPLE NPT X BSP

Ref. SW-0261 | Rev. 01

BILL OF MATERIALS

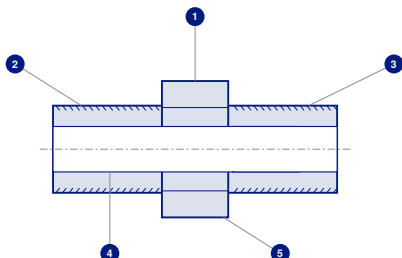


FIG. 2 | SECTIONAL ARRANGEMENT (SCHEMATIC)

#	COMPONENT	MATERIAL / DETAIL
1	Body	Stainless steel 316L, solid
2	NPT end	Male NPT to ASME B1.20.1
3	BSP 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.

DIMENSIONS

SIZE	DN	NPT END	BSP END	TPI NPT / BSP	NPT EFFECTIVE THREAD L2 (MM)	BSP MAJOR DIAMETER (MM)
1/4"	8	1/4" NPT	G / R 1/4"	18 / 19	10.2	13.157
3/8"	10	3/8" NPT	G / R 3/8"	18 / 19	10.4	16.662
1/2"	15	1/2" NPT	G / R 1/2"	14 / 14	13.6	20.955
3/4"	20	3/4" NPT	G / R 3/4"	14 / 14	13.9	26.441
1"	25	1" NPT	G / R 1"	11.5 / 11	17.3	33.249

NPT data per ASME B1.20.1. BSP pitch and major diameter per ISO 228-1 / ISO 7-1. Confirm BSP 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-0261
Size	1/4", 3/8", 1/2", 3/4", 1"
Thread	NPT x BSP, state BSP parallel or taper
Pressure rating	6,000 PSI (414 bar)
Certification	EN 10204 3.1 on request
Order example	SW-0261 / 1/2" / NPT x 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 NPT X BSP

Ref. SW-0261 | 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	NPT x BSP

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
- NPT to ASME B1.20.1, BSP 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
- Seal the NPT end with PTFE tape or sealant. Seal the BSP end to suit its form: tape for taper, cone, washer or O-ring for parallel
- 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

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: SW Flow Controls

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.