



SS316L 10000 PSI REDUCING HEX NIPPLE

Reducing Hex Nipple · Stainless Steel 316L · NPT Threaded · 10,000 PSI

BRAND: SW FLOW CONTROLS

SKU: SW-0267

SIZE 3/8" X 1/4" TO 1" X 3/4"

10,000 PSI / 690 BAR



FIG. 1 | SS316L 10000 PSI REDUCING HEX NIPPLE

PRODUCT OVERVIEW

The SWBM SS316L 10000 PSI Reducing Hex Nipple joins two female NPT fittings, valves or instruments of different sizes. Each end carries a male NPT taper thread sized to its own connection.

The integral hex centre takes a standard spanner. It is rated 10,000 PSI and made from 316L stainless steel, giving a compact size change in ultra high pressure lines.

Fitting type	Reducing hex nipple
End connection	Male NPT, both ends
Material	Stainless steel 316L
Pressure rating	10,000 PSI (690 bar)
Thread	NPT, ASME B1.20.1
Size range	3/8" x 1/4" to 1" x 3/4"

TECHNICAL SPECIFICATION

Design standard	Manufacturer standard	Body	One piece, solid section
Material	Stainless steel 316L	Service	Liquids and gases
Pressure rating	10,000 PSI (690 bar)	Surface finish	Machined, bright
End connection	Male NPT, both ends	Marking	Material, size, thread, rating, heat no.
Size range	3/8" x 1/4" to 1" x 3/4"		
Threads (NPT)	ASME B1.20.1		



PRODUCT DATA SHEET

SS316L 10000 PSI REDUCING HEX NIPPLE

Ref. SW-0267 | Rev. 01

BILL OF MATERIALS

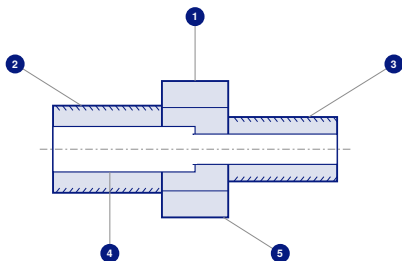


FIG. 2 | SECTIONAL ARRANGEMENT (SCHEMATIC)

#	COMPONENT	MATERIAL / DETAIL
1	Body	Stainless steel 316L, solid
2	Large male end	Male NPT to ASME B1.20.1
3	Small male end	Male NPT to ASME B1.20.1
4	Internal passage	Through bore, small size
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 (LARGE X SMALL)	LARGE THREAD	SMALL THREAD	THREADS PER INCH	EFFECTIVE THREAD L2 LARGE / SMALL (MM)
3/8" x 1/4"	3/8" NPT	1/4" NPT	18 / 18	10.4 / 10.2
1/2" x 1/4"	1/2" NPT	1/4" NPT	14 / 18	13.6 / 10.2
1/2" x 3/8"	1/2" NPT	3/8" NPT	14 / 18	13.6 / 10.4
3/4" x 1/4"	3/4" NPT	1/4" NPT	14 / 18	13.9 / 10.2
3/4" x 3/8"	3/4" NPT	3/8" NPT	14 / 18	13.9 / 10.4
3/4" x 1/2"	3/4" NPT	1/2" NPT	14 / 14	13.9 / 13.6
1" x 1/4"	1" NPT	1/4" NPT	11.5 / 18	17.3 / 10.2
1" x 3/8"	1" NPT	3/8" NPT	11.5 / 18	17.3 / 10.4
1" x 1/2"	1" NPT	1/2" NPT	11.5 / 14	17.3 / 13.6
1" x 3/4"	1" NPT	3/4" NPT	11.5 / 14	17.3 / 13.9

Thread data per ASME B1.20.1 (NPT), each to its own size. Other combinations on request. 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-0267
Size	Large x small, e.g. 1/2" x 1/4", 3/4" x 1/2", 1" x 3/4"
Thread	NPT to ASME B1.20.1
Pressure rating	10,000 PSI (690 bar)
Certification	EN 10204 3.1 on request
Order example	SW-0267 / 3/4" x 1/2" / NPT / 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

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Ref. SW-0267 | Rev. 01

PRESSURE AND TEMPERATURE

Rated pressure	10,000 PSI (690 bar), as listed
Service basis	Ambient temperature, non-shock
Material	Stainless steel 316L
Threads	NPT to ASME B1.20.1

The 10,000 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 threads to ASME B1.20.1
- Rated 10,000 PSI (690 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
- Apply PTFE tape or a high pressure thread sealant to the male thread only
- 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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