321SS Braided Metal Hose Assembly — Female NPT x Grooved End

SKU **FP-MH-321SB-FNPT-GRV** · Configurable Metal Hose Assemblies (Numeric OAL) · Ordering: **Online order**

Technical Identity

Hose material	321 Stainless Steel
Braid material	304 Stainless Steel
Braid construction	Single braid
End A	**Female NPT** Fitting material: Carbon Steel
End B	**Grooved End** Fitting material: Carbon Steel
Ordering path	Online order; each order is reviewed before fabrication.

Configurations Available Online

Hose ID	Overall length (OAL)
2 in.	12–240 in. in 0.5 in. increments (entered at order)

Quoted by RFQ (engineering review): hose ids 2-1/2 in., 3 in., 4 in.

Pressure Rating

- Allowable working pressure is not published on this data sheet. It depends on hose size, braid construction, end connections, temperature, service/media, movement, bend radius and installation conditions, and is confirmed for the selected assembly with the quotation or order acknowledgment.
- Steam service requires double-braid construction and engineering review before order.

Installation & Application

- Do not install the assembly in torsion; align and support connected piping before final make-up.
- Respect the minimum bend radius and required live length for the offset or movement involved.
- The assembly is not a substitute for required pipe supports, anchors, guides or an engineered expansion joint.
- Overall length (OAL) is measured end-to-end unless stated otherwise on the accepted quotation or drawing.
- Confirm thread form, mating material, sealing method and make-up torque; hold the hex, not the hose, when tightening.
- Use couplings and gaskets rated for the service; confirm groove compatibility with the coupling manufacturer.

Engineering Review / RFQ Required For

- Hose IDs 2-1/2 in., 3 in., 4 in.
- Overall lengths outside 12–240 in. or other than 0.5 in. increments
- Double-braid construction
- Alternate materials or end connections, pressure testing, tagging, material certificates or documentation packages
- Service conditions (pressure, temperature, media, movement or cycling) that require a confirmed rating

Documentation

Hydrostatic testing, tagging, material test reports and certified drawings are supplied only when included in the accepted quotation or order acknowledgment.

Ordering

Product page	flexpipeusa.com/product/321ss-braided-metal-hose-female-npt-x-grooved-end/
SKU	FP-MH-321SB-FNPT-GRV
Ordering mode	Online order
Quotes / review	sales@flexpipeusa.com · 763-200-2287 · flexpipeusa.com/rfq/

Submittal Information

Project	Location
Engineer of record	Mechanical contractor
Specification section	Equipment / tag numbers
Quantity	Size / OAL
Service / media	Design pressure and temperature (completed by submitter)

Submittal review ☐ Approved ☐ Approved as noted ☐ Revise and resubmit ☐ Rejected	Reviewer / date / stamp