321SS Braided Metal Hose Assembly — Grooved End x 150# Flange

SKU **FP-MH-321SB-GRV-150FLG** · 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	**Grooved End** Fitting material: Carbon Steel
End B	**150# Flange** Fitting material: Carbon Steel
Flange	Class 150 · Raised Face
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)
2-1/2 in.	12–240 in. in 0.5 in. increments (entered at order)
3 in.	12–240 in. in 0.5 in. increments (entered at order)
4 in.	12–240 in. in 0.5 in. increments (entered at order)

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.
- The flange class identifies the flange only; it is not the pressure rating of the completed assembly. The assembly rating does not exceed the ASME B16.5 pressure-temperature rating of the flange class and material supplied.
- 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.
- Raised-face flanges are intended for steel-to-steel joints; use a gasket suited to the flange facing, class and service.
- Use couplings and gaskets rated for the service; confirm groove compatibility with the coupling manufacturer.

Engineering Review / RFQ Required For

- 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-grooved-x-150-flange/
SKU	FP-MH-321SB-GRV-150FLG
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