



TECHNICAL DATASHEET

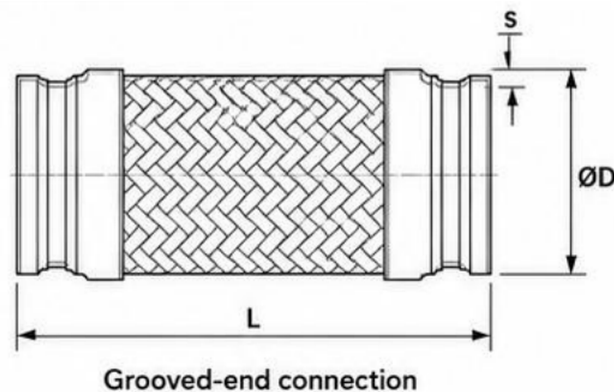
Grooved-End Flexible Metal Hose

Braided flexible connection with grooved ends | Standard supply + fast custom production

Grooved-end braided metal hose configuration



Dimension reference - L / OD / S



Key Supply & Configuration Data

Size Range	DN32-DN350 catalog reference; custom sizes to approved project requirements
Design Pressure	0.25-2.5 MPa catalog reference; final rating by selected hose, braid and end configuration
Design Temperature	-20°C to +400°C catalog reference; final material selection follows service conditions
Construction	Corrugated metal hose with external braid and grooved-end connections
Movement / Function	Vibration isolation and flexible movement; allowable axial, lateral and angular movement depends on assembly geometry
Connection	Grooved-end interface to specified pipe OD, groove profile, coupling system or approved drawing
Overall Length	Standard or custom assembly length to approved drawing
Production	Common configurations in stock + fast custom production

Stock & Custom Production

- Common sizes and grooved-end configurations are kept in stock for immediate shipment.
- Custom production can start the same day after length, groove interface and service conditions are confirmed.
- DN, overall length, hose and braid materials, grooved-end dimensions and assembly configuration can be made to approved project drawings.



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Grooved-End Hose Selection & Project Data

Key information for hose size, routing, grooved-end interface and service-condition confirmation.

Selection Item	Information to Confirm	Mingchao Supply / Configuration
Nominal Size	DN / NPS	DN32-DN350 catalog reference; custom size to approved drawing
Working / Design Pressure	MPa / bar	0.25-2.5 MPa catalog reference; final rating by complete hose assembly
Operating Temperature	Minimum / maximum	-20°C to +400°C catalog reference; material reviewed for service
Medium / Fluid	Water / air / other	Hose, braid and end materials selected for service conditions
Overall Length L	Required installed length	Standard or custom length to approved drawing
Grooved-End Interface	Pipe OD / groove / coupling	Manufactured to specified groove profile, dimensions or approved drawing
Movement / Routing	Offset / vibration / geometry	Assembly length and routing reviewed for required flexibility and movement
Bend Radius	Required routing radius	Minimum allowable radius confirmed for selected hose construction
Braid / Reinforcement	Required arrangement	Braid configuration selected to pressure, movement and service conditions
Drawing & Quantity	Existing drawing / CAD / qty	Fast custom production after specification confirmation

Selection Note

Grooved-end connection defines the pipe interface; allowable pressure, temperature, movement and bend radius are properties of the complete selected hose assembly. Final selection is confirmed against DN, medium, materials, length, groove dimensions and installation geometry. A straight hose assembly should not be used as a substitute for an axial bellows compensator unless specifically designed and approved for that duty.

Project Configuration

Grooved-End Interface	Groove profile / pipe OD / coupling interface to specified project standard or drawing
Hose, Braid & Ends	Materials and braid configuration selected according to pressure, temperature, medium and project specification
Length & Routing	Overall length and installation geometry configured for required flexibility and bend radius
Installation	Avoid torsion, forced misalignment and unsupported equipment or pipe loads on the hose assembly
Supply	Stock items for immediate shipment; custom production after drawing confirmation

For Quotation

Please provide DN/NPS, working pressure, operating temperature, medium, overall length, grooved-end standard or dimensions, required movement / routing, quantity and drawing if available.

For detailed technical requirements, custom configurations or project questions, please contact us.

www.mingchaoft.com | sales@mingchaoft.com | WhatsApp: +86 180 0385 3073