



The acronym **STAMPED** — **S**ize, **T**emperature, **A**pplication, **M**edia, **P**ressure, **E**nd and **D**elivery — can help you choose the right hydraulic fitting for your needs.

THE STAMPED METHOD TO CHOOSING THE RIGHT HYDRAULIC HOSE FITTINGS FOR YOUR APPLICATION

1. SIZE: Consider the size of your hose and the tube's outside and inside diameter. Measure the hose's outside diameter and wall thickness. This keeps pressure loss to a minimum and maintains proper flow. Correctly identifying these characteristics can help you choose the hose fitting based on system pressure, flow rates and the environment.

2. TEMPERATURE: Consider the hydraulic hose's average, minimum and maximum operating temperature ranges when choosing various hose fitting materials and seals like O-rings. Be sure to consider factors such as flame-resistance, as well.

3. APPLICATION: Consider where and how your hydraulic hose will be used. Will it be used indoors or outdoors? Will there be excessive abrasion, vibration, unusual mechanical loads or exposure to external conditions such as moisture, salt water, fertilizer, oxygen, oil, acids or chemicals? Choose coatings and special platings for your fittings that can minimize corrosion or breakdown of the fitting.

4. MEDIA: What kind of fluid will be carried through your hydraulic hose? Special materials require specialized hose materials and fitting components that are compatible with the fluid being used.

5. PRESSURE: Consider your system's average operating pressures and its compatibility with the maximum pressures associated with your hose assembly. Static hydraulic systems are free of vibration, pressure surges and shocks. Dynamic hydraulic systems commonly experience pressure spikes. Your hose assembly's working pressures must be equal to or greater than the system pressure itself for safety and effectiveness.

6. END: What kind of end is required to connect hoses to the system? Remember that these areas are the weakest link in your hose assembly and having this information will help you identify the proper fitting and clamping systems to use.

7. DELIVERY: Consider customer requirements, testing requirements and certification requirements as well as the packaging and shipping requirements associated with hose assembly. Once a new hose assembly has been put into service, it's important to regularly inspect and look for worn out fittings, clamps or damaged hoses.



"It's Superior's people that make the difference - they know our business and make knowledgeable decisions based on data and common sense."

– A regional transit company

For more resources



SCAN ME



Superior Industrial Supply specializes in hose assembly and repairs, as well as industrial and MRO supply and fastener selection. Give us a call at 314-638-6500 OPTION 4 or 800-783-6501 and let us know how we can help you find the products, services and advice you need.

Customer Information

Company: _____
 Contact: _____ Fax: _____
 Address: _____ E-mail: _____
 Phone: _____ P.O. #: _____

Size	I.D.	O.D.	Overall Length	Tolerance

Temperature	Materials Conveyed		Environmental Temperature	
	Min	Max	Min	Max
	°F/°C	°F/°C	°F/°C	°F/°C

Application	Type:

Material/ Media	Materials Conveyed		
	Internal Media		External Environment

Pressure	Max Working Pressure	Spikes	Vacuum
	PSI/kPa	PSI/kPa	Inches of Hg/kPa

End	End	Style/ Material	Size	Threads/Bolts Hole Alignment	Orientation	Attachment Methods	Capped Y/N
	1						
	2						

Delivery	Quantity Required:		Date Required:
	Package Type:		
	Pick Up Date:		Ship Via:
	Testing Required: Y/N		
	Certification Required: Y/N		

© Copyright by the Association for Hose & Accessories Distribution, Inc. (NAHAD)

Special Requirements:

Sales Rep:

Phone: (314) 638-6500 | **Toll Free:** (800) 783-6501*
Fax: (314) 638-3110 | **Toll Free:** (800)783-6502
Email: info@sisupply.com

Visit Us: 8525 Vulcan St., Saint Louis, Missouri 63111
Hours: 7:00 a.m. - 4:30 p.m. Monday - Friday

*(Press 4 for Customer Service)