PRECISION PRODUCT LINE / FLEXIBLE METAL TUBING

Stripwound metal hose.

Flexible metal constructions for material handling, protective armor and specialized equipment.

INTERLOCKED / SQUARE LOCKED / COOLANT HOSE



01

Move dry materials

Interlocked hose supports dry bulk handling, fume and dust collection, and exhaust applications. Smooth bore options serve abrasive materials.

02

Protect the assembly

Loose wound hose provides an outside guard or inside flow liner for braided corrugated hose. Square locked constructions support casing and conduit uses.

03

Fit specialized duty

The line also includes positionable coolant tubing and flexible lamp arms for machine tools, equipment and custom support applications.

Material and cover choices.

300 series stainless steel, galvanized steel, brass, bronze and Monel, by construction.
Selected extruded covers: PVC, silicone, rubber, polyurethane and PTFE.
Overall stripwound range: 1/8 to 16 in. I.D.; larger sizes by special request.

Send your application details. Request a quote from Vital Hose.

CONSTRUCTION & SELECTION GUIDE

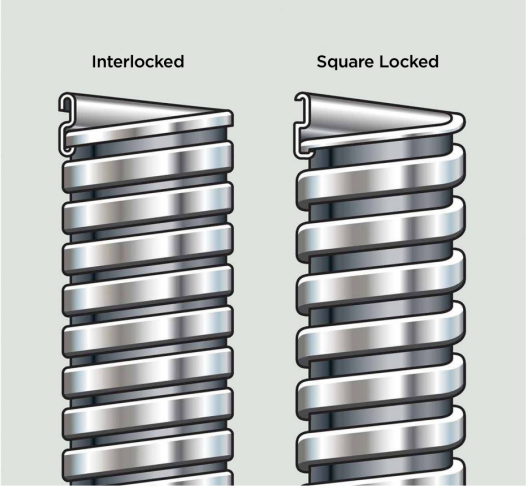
Choose the profile for the job.

Compare bore style, armor requirements and the installed routing.

CONSTRUCTION	CATALOG I.D. (IN.)	SELECTION NOTES
Rough bore **PHL / PHM / PHH / PHXH**	1 to 16*	304 stainless or galvanized steel; four catalog strip-thickness groups.
Smooth bore **PHI-SB**	1-1/2 to 16*	Light, medium and heavy versions. Stainless, galvanized or mixed armor / liner.
Loose wound **PHI-LW**	3/8 to 10	For an O.D. guard or I.D. flow liner on braided corrugated assemblies.
Interlocked capillary **PHI-IL**	Confirm dimensions	Small-diameter tubing; special swaged fittings and larger sizes by request.
Square locked **PHI-SL**	1/8 to 1-1/2	Flexible casing, wiring conduit, fiber-optic and thermocouple applications.

*Ranges span multiple grades; individual series have narrower ranges. Catalog dimensions are based on extended hose. Confirm I.D., O.D., bend radius and weight for the exact construction. Capillary dimensions require clarification before ordering.

Two lock profiles. Different applications.



Interlocked

Use the bore profile and strip thickness to narrow the selection for bulk handling, exhaust, guards and liners.

Square locked

Consider for flexible protective casing, shielding and conduit. Confirm the required material, cover and dimensional fit.

Packing is application-specific. Confirm pressure, vacuum and temperature together.

SPECIALTY TUBING & ASSEMBLY OPTIONS

Complete the equipment connection.

Specify the tubing, end connection and attachment method as one assembly.

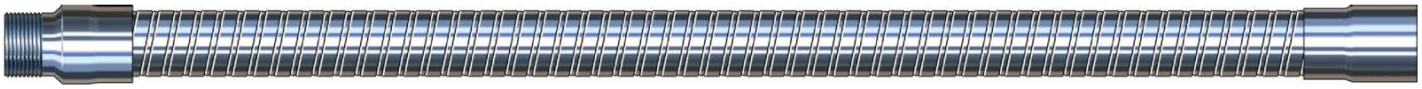
Coolant hose / Sealflex®



Tension-wound metallic tubing for oil, coolants and solvents. Flexible gooseneck tubing holds its position to direct the coolant stream.

Catalog sizes: 1/8, 1/4, 3/8, 1/2 and 3/4 in. nominal.
Options: Lengths from 6 in.; male NPT, female NPT, nozzles and custom ends.

Flexible lamp arms and support tubing



For lamps, microphone arms, instrumentation, medical equipment and support mounts.
Available finishes: chrome, black E-coat, nickel and unfinished.

Connections, packing and attachment

Camlock adapters / couplers, fixed or plate flanges, stub-end flanges, tube ends, NPT nipples, grooved nipples and farm flanges are catalog options.

Packing choices include cotton, stainless wire, Apyrous and elastomeric. Ratings vary by packing. The catalog does not recommend welded fittings on packed hose.



Illustrative end connection

Request a tailored quote.

Send Vital Hose a part number, sketch or these details:

Service / media · Temperature · Pressure / vacuum
I.D. / O.D. · Length · Routing / bend radius
Material · Packing / cover · End connections
Attachment method · Quantity · Required tests

Assembly limits depend on hose, packing, cover and attachment method. Confirm suitability and the complete assembly rating before ordering.