PRODUCT CATALOG 2026

MOTION FLEX HOSE

— FLEXIBLE METAL HOSE SOLUTIONS —

FLEXIBLE METAL HOSE SOLUTIONS

High quality stainless steel braided flexible hoses, fire sleeve protection systems and custom hose assemblies for demanding applications.



STAINLESS STEEL BRAIDED HOSES

FIRE SLEEVE PROTECTION SYSTEMS

CUSTOM HOSE ASSEMBLIES

ENGINEERING SUPPORT WORLDWIDE SERVICE

www.motionflexhose.com

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MOTION FLEX HOSE

— FLEXIBLE METAL HOSE SOLUTIONS —

ABOUT US



ABOUT MOTION FLEX HOSE

Reliable Flexible Metal Hose Solutions

Motion Flex Hose provides flexible metal hose solutions for industrial customers worldwide. We supply stainless steel braided flexible hoses, fire sleeve protection systems and custom hose assemblies for demanding industrial applications.

Our focus is delivering practical engineering support, responsive communication and long-term customer partnerships. We understand that every application has unique requirements.

By combining technical knowledge with manufacturing flexibility, we help customers find the most effective and reliable flexible hose solution for their systems.

> **"Not only products, but trust."**
>
> We build long-term partnerships based on reliability, technical understanding and consistent quality — delivering confidence in every connection.

- FLEXIBLE METAL HOSE SOLUTIONS
- ENGINEERING SUPPORT
- CUSTOM MANUFACTURING
- EXPORT-ORIENTED SERVICE

WHY MOTION FLEX HOSE?

- Custom engineered solutions
- Stainless steel hose expertise
- Fast quotation support
- Export focused service
- Worldwide supply capability
- Quality and reliability

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WHY MOTION FLEX HOSE



WHY CHOOSE US

WHY MOTION FLEX HOSE

We are committed to delivering reliable flexible hose solutions with engineering excellence, quality and long-term partnerships.

Reliable Supply

Consistent quality and dependable delivery performance.

Flexible Solutions

Custom made assemblies according to project requirements.

Technical Understanding

Application focused support and engineering excellence.

Export-Oriented Service

Professional communication and international project support.

Fast Response

Quick turnaround times and responsive communication.

Customer Partnership

Long term relationships built on trust and mutual success.

Our Commitment

We combine technical expertise, high quality manufacturing and customer focus to provide the most effective flexible hose solutions for your applications.

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OUR PRODUCTS

PRODUCT RANGE

A comprehensive range of stainless steel flexible hose solutions engineered for performance and reliability.



Stainless Steel Braided Flexible Hoses

High performance flexible solutions for vibration absorption, thermal expansion compensation and fluid transfer in industrial piping systems.



Flanged Flexible Hose Assemblies

Available with fixed and floating flange options for high-pressure industrial piping and process connections.



Threaded Flexible Hose Assemblies

BSP and NPT male/female threaded connections. Compact solutions for machinery, utilities and process lines.



Fire Sleeve Protection Systems

Silicone coated fiberglass sleeves providing protection against radiant heat, molten metal splash and abrasion.



Custom Flexible Hose Solutions

Engineered and manufactured according to customer specifications, project drawings and application requirements.

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MOTION FLEX HOSE

— FLEXIBLE METAL HOSE SOLUTIONS —

PRODUCT DETAIL

STAINLESS STEEL BRAIDED FLEXIBLE HOSES

Designed for vibration absorption, thermal expansion compensation and fluid transfer applications.



- VIBRATION ABSORPTION
- THERMAL EXPANSION COMPENSATION
- FLEXIBLE & DURABLE
- HIGH CORROSION RESISTANCE

HOSE MATERIALS

- AISI 304L
- AISI 316L
- AISI 321

BRAID MATERIALS

- AISI 304
- AISI 316

SIZE RANGE

DN6 – DN300

APPLICATIONS

- Water
- Steam
- Oil
- Gas
- Chemicals
- Compressed Air
- Hydraulic Fluids

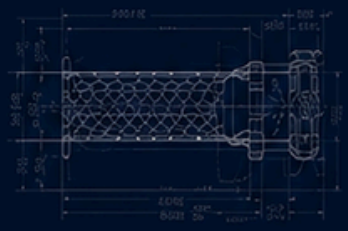
Premium Quality. Reliable Performance.

Manufactured with high quality stainless steel for maximum durability and long service life.

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CONNECTION TYPES

FLANGED AND THREADED HOSE ASSEMBLIES

CONNECTION TYPES

FLANGED AND THREADED HOSE ASSEMBLIES

Engineered for reliable connections in high pressure and demanding industrial applications.



FLANGED ASSEMBLIES

Available with fixed flange and floating flange options. Suitable for industrial piping systems, high pressure lines and process connections.

- HIGH PRESSURE RATED
- LEAK-TIGHT CONNECTIONS
- CORROSION RESISTANT
- CUSTOM LENGTHS AVAILABLE



THREADED ASSEMBLIES

Available with BSP and NPT male or female threaded connections. Compact and practical solution for machinery, utilities and process lines.

- EASY INSTALLATION
- COMPACT & PRACTICAL
- RELIABLE PERFORMANCE



CUSTOM CONNECTIONS

Pipe end, union, welded and special connection configurations can be manufactured according to project requirements.

- CUSTOM DESIGN
- PRECISION MANUFACTURING
- PROJECT FOCUSED

CONNECTION MATERIALS

Carbon Steel | Stainless Steel

High quality materials and precision manufacturing ensure maximum durability and long service life.

RELIABLE CONNECTIONS
Engineered for secure and leak-free performance.

HIGH TEMPERATURE RESISTANCE
Suitable for extreme industrial conditions.

FLEXIBLE & DURABLE
High flexibility with excellent fatigue life.

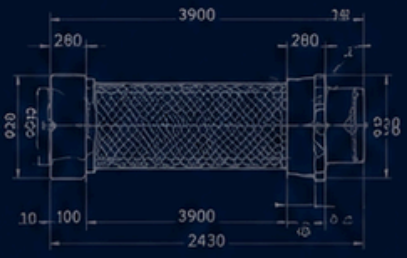
QUALITY ASSURED
Tested and inspected to international standards.

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PRODUCT DETAIL

FIRE SLEEVE PROTECTION SYSTEMS

FIRE SLEEVE PROTECTION SYSTEMS

Silicone Coated Fiberglass Fire Sleeve

Fire Sleeve Protection Systems are designed to protect hoses, cables and lines in demanding industrial environments.
The sleeve is made from woven fiberglass and coated with silicone rubber for heat, splash and abrasion protection.



APPLICATIONS

- Flexible Metal Hoses
- Fuel Lines
- Oil Lines
- Electrical Cables
- Industrial Equipment
- Steel Plants
- Marine Applications

KEY BENEFITS

- Protection against radiant heat
- Molten metal splash resistance
- Oil and water resistant
- Abrasion resistant
- Flexible construction
- Easy installation
- Long service life
- Silicone rubber coating

TEMPERATURE PERFORMANCE

AMBIENT HEAT RESISTANCE
Up to 1650°C

CONTINUOUS DIRECT HEAT
Up to 560°C

CONSTRUCTION
Woven fiberglass sleeve with heavy silicone rubber coating

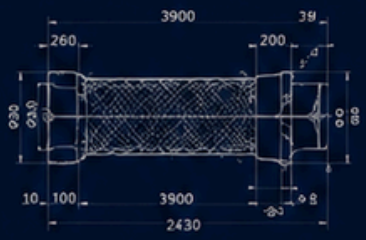
SIZE RANGE	6 mm – 150 mm ID
WALL THICKNESS	1.5 mm – 3.5 mm
COATING THICKNESS	0.8 mm – 1.5 mm
TOLERANCE	±0.15 mm to ±0.40 mm
PACKAGING	20 m, 25 m and 50 m rolls

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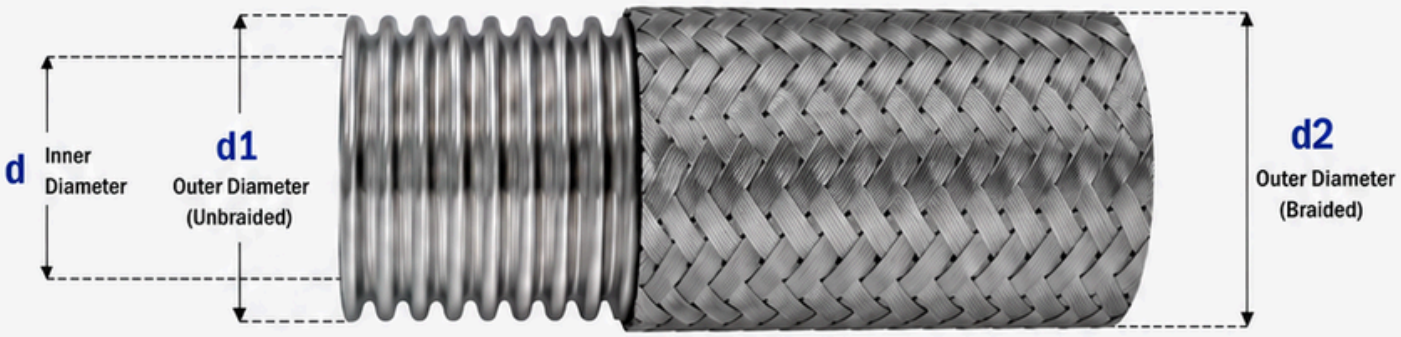


TECHNICAL SPECIFICATIONS

STAINLESS STEEL BRAIDED FLEXIBLE HOSES

HOSE CONSTRUCTION

Stainless steel corrugated hose with stainless steel wire braid.



DIMENSIONS AND WORKING CONDITIONS

DN	Size	INNER DIAMETER	OUTER DIAMETER (UNBRAIDED)	OUTER DIAMETER (BRAIDED)	WEIGHT	WORKING PRESSURE (20 °C)		BURST PRESSURE (20 °C)		MIN. BEND RADIUS
mm	inch	d (mm)	d1 (mm)	d2 (mm)	(kg/m)	Single Braid (bar)	Double Braid (bar)	Single Braid (bar)	Double Braid (bar)	(mm)
6	1/4"	6.2	10.0	13.5	0.07	24	36	96	144	25
8	5/16"	8.3	12.0	15.5	0.08	18	45	72	180	30
10	3/8"	10.2	14.0	17.5	0.10	13	50	52	200	35
12	1/2"	12.3	16.0	20.0	0.11	10	56	40	224	40
16	5/8"	16.3	20.0	24.0	0.17	7.5	70	30	280	50
20	3/4"	20.5	25.0	29.5	0.22	5.5	85	22	340	60
25	1"	25.6	30.5	35.5	0.33	4.0	100	16	400	70
32	1 1/4"	34.6	39.5	46.0	0.48	3.0	120	12	480	90
40	1 1/2"	40.4	45.5	52.5	0.58	2.5	160	10	640	100
50	2"	50.8	56.5	64.5	0.72	2.0	200	8	800	120
65	2 1/2"	65.8	71.5	80.0	1.08	1.6	250	6.5	1000	150
80	3"	80.8	87.5	96.5	1.14	1.4	270	5.5	1080	180
100	4"	101.0	108.0	118.0	1.45	1.2	300	4.8	1200	220
125	5"	126.0	133.5	144.5	2.70	1.0	340	4.0	1360	260
150	6"	151.2	159.0	171.5	3.30	0.9	400	3.6	1600	300
200	8"	202.0	210.0	225.0	5.10	0.7	550	2.8	2200	360
250	10"	252.0	262.0	280.5	7.80	0.5	680	2.0	2720	450
300	12"	303.0	314.0	334.5	11.30	0.4	800	1.6	3200	540

MATERIALS

- Hose : AISI 304L / 316L / 321
- Braid : AISI 304 / 316

TEMPERATURE RANGE

-196 °C to +600 °C

NOTES

- Working pressure values are based on 20 °C.
- Other dimensions and pressure ratings are available on request.
- Technical information may change without prior notice.

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TECHNICAL INSIGHT

WHY FLEXIBLE METAL HOSES?

Key advantages of flexible metal hose assemblies in industrial piping systems



VIBRATION ABSORPTION

Protects connected equipment from mechanical vibration and dynamic movement.

THERMAL EXPANSION

Compensates for thermal expansion and contraction in piping systems.

NOISE REDUCTION

Reduces noise transmission between equipment and piping networks.

EASY INSTALLATION

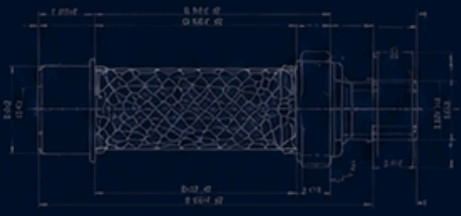
Simplifies alignment and connection in complex piping configurations.

LONG SERVICE LIFE

Durable stainless steel construction for extended operational lifetime.

REDUCED MAINTENANCE

Minimizes maintenance requirements and unplanned system downtime.



APPLICATIONS

STEEL PLANTS & ENERGY SYSTEMS

Reliable flexible metal hose assemblies for high temperature and high pressure applications in steel plants and energy generation systems.





STEEL PLANTS

Flexible metal hose assemblies for high temperature environments, cooling water lines, compressed air systems, oxygen and gas transfer applications.

RECOMMENDED PRODUCTS

- Stainless Steel Braided Flexible Hoses
- Fire Sleeve Protection Systems
- Flanged Flexible Hose Assemblies

ENERGY SYSTEMS

Reliable hose assemblies for steam systems, cooling circuits, boiler connections, pump connections and auxiliary process lines.

RECOMMENDED PRODUCTS

- Flanged Flexible Hose Assemblies
- Stainless Steel Braided Flexible Hoses
- Custom Flexible Hose Solutions

TYPICAL APPLICATIONS

ARC FURNACE COOLING LINES | OXYGEN SYSTEMS | STEAM SYSTEMS | BOILER CONNECTIONS | PUMP CONNECTIONS | COMPRESSED AIR SYSTEMS | HYDRAULIC SYSTEMS | HIGH TEMPERATURE APPLICATIONS

INDUSTRIAL APPLICATIONS

Our flexible metal hose assemblies are designed to perform in the most demanding industrial environments across a wide range of applications.



CHEMICAL INDUSTRY

Corrosion-resistant flexible hose assemblies for chemical transfer, loading systems and process piping applications.



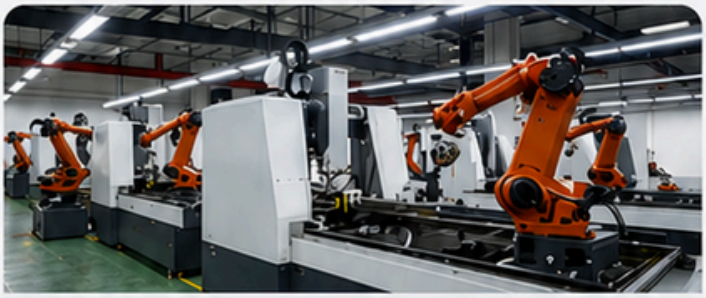
FOOD PROCESSING

Hygienic stainless steel flexible hose solutions for food and beverage production environments.



MARINE APPLICATIONS

Reliable hose assemblies for shipbuilding, offshore platforms, ballast systems, fuel transfer and marine process applications.



MACHINERY MANUFACTURING

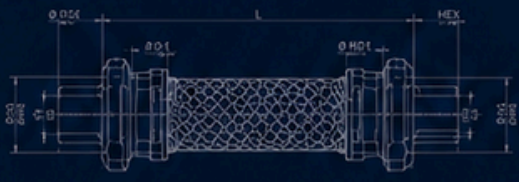
Custom flexible hose solutions for machinery, automation systems and production equipment.

All flexible hose assemblies are manufactured from high-grade stainless steel and can be customized to meet specific application requirements.

Contact us for technical support and product selection.

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sales@motionflexhose.com



MANUFACTURING & QUALITY

Our commitment to quality ensures reliable performance in every application.

CUSTOM ASSEMBLY

Every hose assembly is manufactured to exact project specifications and application requirements.

PRESSURE TESTING

All assemblies undergo hydrostatic pressure testing to verify integrity before delivery.

VISUAL INSPECTION

Detailed visual inspection of welds, braiding and all components at every stage.

MATERIAL TRACEABILITY

Full material certification and traceability from raw material to finished product.

FINAL QUALITY CONTROL

Comprehensive final inspection including dimensional checks and documentation review.

Every product leaves our facility tested, inspected and certified.

Quality is not just a process – it is our **promise**.

MOTION
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TRUSTED PARTNER FOR INDUSTRIAL APPLICATIONS

Engineered for Performance.
Built on Trust.

Motion Flex Hose provides stainless steel braided flexible hose assemblies, fire sleeve protection systems and custom-engineered flexible hose solutions for demanding industrial applications worldwide.

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