

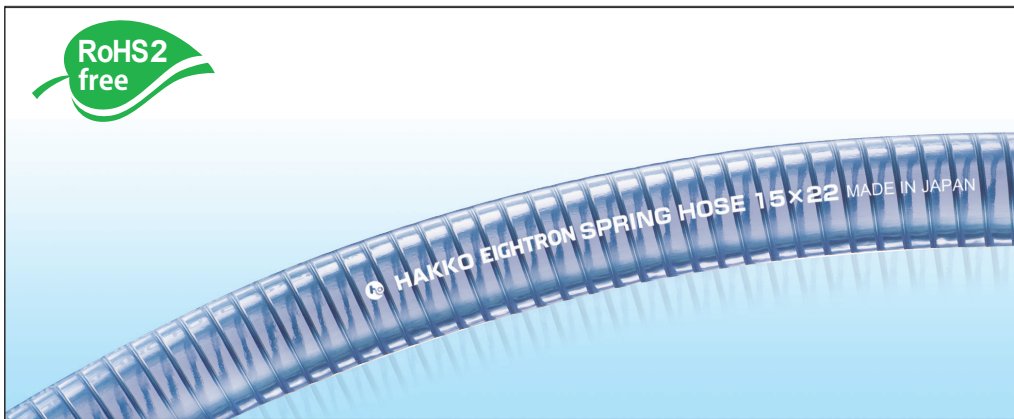
Industrial Hose

Metal Steel Wire Hose; Difficult to break under the Space-Saving Piping

# SPRING HOSE

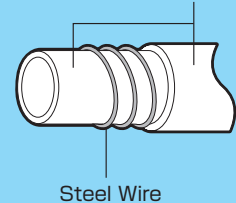
[Model Number: E-SP-(I.D.)]

## Applications • Fluids



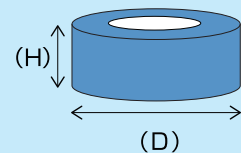
### (Materials / Structure)

Soft Vinyl Chloride Resin



- For Transferring Air, Water, Oil, and Chemicals at Machine Tools, Molding Machines, and Industrial Equipment
- For Space-saving Piping, preventing from Kinking
- For Maintaining Stability of the Shape
- For Temporary Pipes at Engineering Works and Construction Sites
- For Protection of Thin Rods such as Pipes

### (Packing Dimension)



## Standard • Packing Information

Model Number	Inch (Inside Diameter) (*1)	I.D. × O.D. mm	Working Pressure MPa		Minimum Bend Radius at 20°C mm	Temperature Range °C	Standard Length m	Product Weight kg/roll	Color	Packing Dimension			
			at 20°C	at 50°C						Packing	Diameter (D) cm	Height (H) cm	Weight/roll kg/roll
E-SP-8	5/16	8 × 13.5	0 ~ 0.8	0 ~ 0.4	30	0 ~ 50	100	13.64	Clear Blue	Film Wrapping	45	23	13.64
E-SP-9	3/8	9 × 15	0 ~ 0.5	0 ~ 0.25	35		100	16.37			48	24	16.37
E-SP-10	13/32	10 × 16			40		100	17.41			49	24	17.41
E-SP-12	1/2	12 × 18	50	100	22.21		56	24			22.21		
E-SP-15	5/8	15 × 22	-0.1 ~ 0.5	-0.1 ~ 0.25	60		50	15.90			63	18	15.90
E-SP-19	3/4	19 × 26	-0.1 ~ 0.4	-0.1 ~ 0.2	75		50	18.97			69	19	18.97
E-SP-25	1	25 × 33			100		50	26.56			77	23	26.56
E-SP-32	1 1/4	32 × 41	-0.1 ~ 0.3	-0.1 ~ 0.15	130		40	37.90			84	25	37.90
E-SP-38	1 1/2	38 × 48			150		40	38.99			100	29	38.99
E-SP-50	2	50 × 62			200		40	58.29			122	31	58.29
E-SP-63	2 1/2	63 × 80			250	20	52.97	116	33	52.97			
E-SP-75	3	75 × 92	0 ~ 0.2	0 ~ 0.1	300	20	61.80	123	34	61.80			

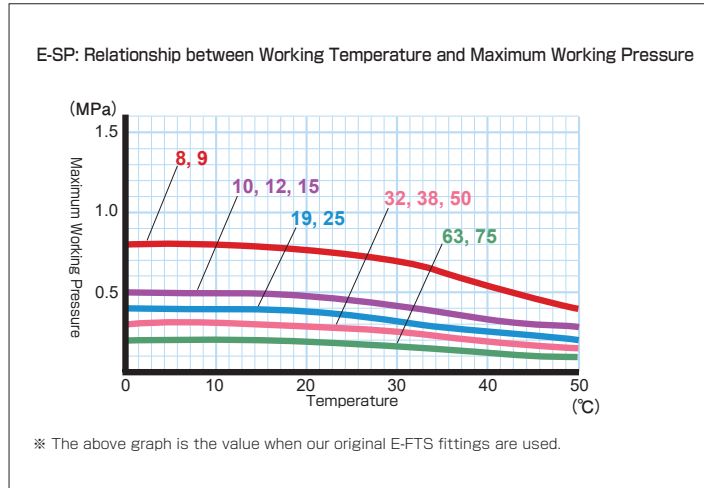
\*1: Please note that inch size is approximate, which is not equal to millimeter.

## Characteristics and Functions



Transparency Vacuum Flexibility


- Bending**...Steel wire makes it difficult to be crushed or kinked, leading to high stability in its shape.
- Vacuum**...E-SP (I.D.  $\phi$  15 ~  $\phi$  50mm) stands proof against negative pressure (can be used in vacuum condition).
- Transparency**...E-SP (clear blue color) enables you to check the fluid very easily.
- Green Procurement**...E-SP is compliant with RoHS2 requirements.
- Original Fittings**...By using our original fittings, you can avoid accidents which are caused by incorrect choices of hose and fittings.
- Flat Structure**...The inner layer of the hose is flat, which is less likely to accumulate the fluids.

## Technical Information



## HAKKO Original Fittings

Model	Features
 <p>EIGHTNIPPLE S (E-FTS)</p>	<ul style="list-style-type: none"> <li>• Material : SUS316L</li> <li>• SUS 316L is superior in corrosion resistance, so you can transfer a wide range of fluids.</li> <li>• Two-stage flat nipple structure which maximizes hose pressure</li> <li>• Our Original Barb Nipple Fittings</li> </ul>
 <p>EIGHTNIPPLE B (E-FTB)</p>	<ul style="list-style-type: none"> <li>• Material : BSBM (Brass Cadmium Less than 75ppm)</li> <li>• Compliant with RoHS2 requirement</li> <li>• Two-stage flat nipple structure which maximizes hose pressure</li> <li>• Our Original Barb Nipple Fittings</li> </ul>

Model	Features
 <p>Protective Spring Guards (E-HSL)</p>	<ul style="list-style-type: none"> <li>• Material : SUS304 (Band, Spring, Fastener)</li> <li>• Spring guards prevent kinking, so you can transfer fluids safely.</li> <li>• Prevent kinking even if the bending radius is small due to the space-saving piping.</li> <li>• As a protection accessory for cleaning hose if its hose is easy to break at hand.</li> </ul>

\*For EIGHTNIPPLE, please fasten with two clamps.

- ⚠ \*Please use the joints to seal an inner surface of the hose.
- \*Please do not use the joints to seal an outer surface of the hose. This may result in the bursting or coming off from the hose.
- \*When you cut the spring wire, be careful not to get hurt on your hands, because the spring wire may stick out at the cross-section of the hose. When the spring wire sticks out, cut it off neatly with a nipper.
- \*In case the spring wire is broken, it is impossible to restore its shape. Please replace into a new one hose.
- \*E-SP does not have the property of oil-proofness. Depending on the working conditions, hose may harden if you transfer oil.
- \*When you use our products, please refer to "Precautions for Use" available on our webpage and product catalog.
- \*In terms of chemical resistance, please refer to "Chemical Resistance Data" available on our webpage and product catalog.

Contact us if you have any inquiries about HAKKO products.

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URL: <https://eightron.co.jp/English>