

Industrial Hose

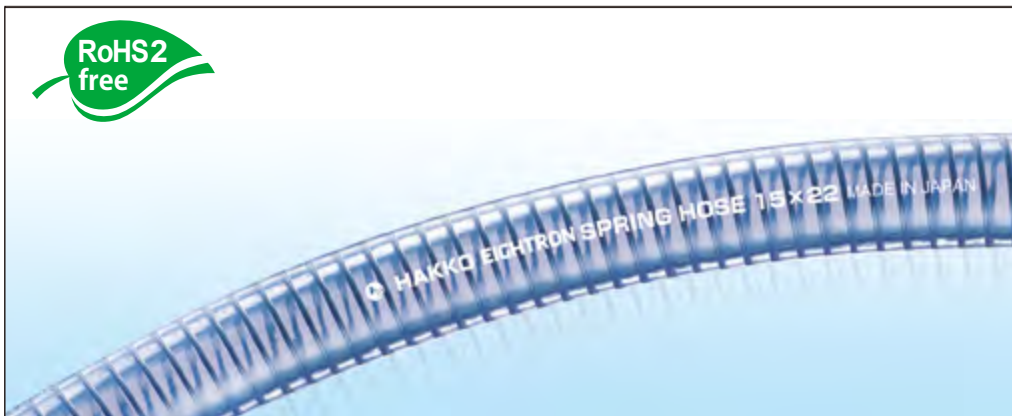
Metal Steel Wire Hose; Difficult to break under the Space-Saving Piping

SPRING HOSE

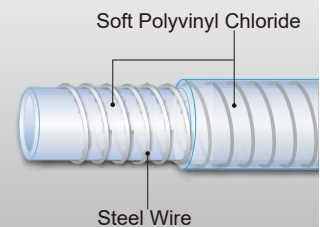
[Model Number: E-SP-(I.D.)]



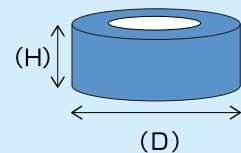
Applications • Fluids



(Materials / Structure)



(Packing Dimension)



- 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

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	Film	42	22	13.64
E-SP-9	3/8	9 × 15	0 ~ 0.5	0 ~ 0.25	35		100	16.37			47	22	16.37
E-SP-10	13/32	10 × 16			40		100	17.41			49	23	17.41
E-SP-12	1/2	12 × 18	50	100	22.21		51	23			22.21		
E-SP-15	5/8	15 × 22	-0.1 ~ 0.5	-0.1 ~ 0.25	60	50	15.90	Blue	Wrapping	63	15	15.90	
E-SP-19	3/4	19 × 26	-0.1 ~ 0.4	-0.1 ~ 0.2	75	50	18.97			68	16	18.97	
E-SP-25	1	25 × 33	-0.1 ~ 0.3	-0.1 ~ 0.15	100	50	26.56			77	19	26.56	
E-SP-32	1 1/4	32 × 41			130	40	37.90			79	22	37.90	
E-SP-38	1 1/2	38 × 48			150	40	38.99			90	23	38.99	
E-SP-50	2	50 × 62			200	40	58.29			115	25	58.29	

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

Characteristics and Functions

Vacuum

Transparency

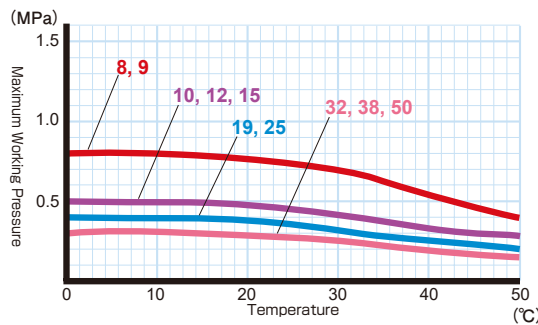
Flexibility

Hard to Break

- Bending**...Steel wire makes it difficult to be crushed or kinked, leading to high stability in its shape.
- Vacuum**...E-SP (I.D. ϕ 15 ~ ϕ 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


E-SP: Relationship between Working Temperature and Maximum Working Pressure



※ The above graph is the value when our original E-FTS fittings are used.

HAKKO Original Fittings

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

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

*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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HAKKO CORPORATION

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