











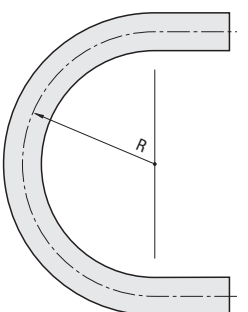




Duct Hoses


Overview

Type	HOSEE/HOSEE	HOSKK	HOSSD/HOSSD	HOSH/HOSH
	Lightweight Type P1324	Swiveling P1324	Flexible P1324	Wear Resistant, Antistatic P1324
				
Type	Air supply and exhaust	Air supply and exhaust, spot cooler	Air supply and exhaust	Powder and Grains
Fluid / Application	Supply and exhaust of air, wood dust, dust, etc.	For air (spot cooler / supply of air-conditioner)	Supply and exhaust of warm air Air Conditioning, Ventilation Exhaust emission of equipments	Carriage of particles, iron powder, paper trash, wood particles Heat-resistant Hot Air Heaters
Material	Flexible or Hard PVC	PP (Polypropylene)	PP (Polypropylene) Reinforcement: Hard Steel Wire	PP (Polypropylene) Reinforcement: Synthetic Rubber (EPDM)
Operating Temperature Range	-10~50°C	-	-20~80°C	-30~80°C
Allowable Pressure Range	0~0.06MPa 0~0.03MPa	0~0.001MPa 0~0.0005MPa	0~0.002MPa 0~0.002MPa	0~0.03MPa 0~0.01MPa
Features	Being excellent in flexibility and lightweight property, it improves operating efficiency. Easy to cut and mount.	Capable of being bent or flexed as desired and keeping its bent state. Diameter can be varied by twisting the opening. Can be cut with a utility knife.	Highly flexible and can be fixed at desired angles and positions. It can be shortened to 1/3 ~ 1/4 of the original length.	Resistant to cold, heat and abrasion. Excellent antistatic effect. Reduces generation of ozone crack (deformity).
Type	HOSDY/HOSDY	HOSCD/HOSCD	HOSCE/HOSCE	HOAD
	Oil-Resistant P1325	Translucent P1325	Antistatic Translucent P1325	Aluminum P1326
				
Type	Suction and Exhaust	Air supply and exhaust	Air supply and exhaust	Air Conditioning, Ventilation
Fluid / Application	Suction of exhaust emission of oil mist Collection of oil mist such as lathes and milling machines	Air supply and exhaust for equipment Blast and exhaust emission of food processing evaporator systems Blast and exhaust emission in environments where dust must be avoided. Clean room air supply and exhausts	Air supply and exhaust for equipment Blast and exhaust emission of food processing evaporator systems Blast and exhaust emission in environments where dust must be avoided. Clean room air supply and exhausts	Exhaust Duct for Ventilation Fan
Material	Oil Resistance Hard, Flexible PVC	PP (Polypropylene) Olefin Type Elastomer	PP (Polypropylene) Olefin Type Elastomer	Aluminum Foil (Laminated) Reinforcement: Hard Steel Wire
Operating Temperature Range	-10~50°C	-20~50°C	-20~50°C	-20~80°C
Allowable Pressure Range	0~0.04MPa 0~0.02MPa	0~0.04MPa 0~0.02MPa	0~0.04MPa 0~0.02MPa	0~0.02MPa 0~0.02MPa
Features	Excellent in oil resistance. Lightweight and Excellent in heat resistance. High efficiency due to low interior resistance contributes to energy savings.	Being very excellent in lightweight property, flexibility and bend performance, it improves operating efficiency. The hose is translucent so transported materials can be observed. Compliant to Health, Labor and Welfare Ministry Notification No.201 Food Sanitation Laws.	Not only it is semi-translucent, it features antistatic effect. Compliant to Health, Labor and Welfare Ministry Notification No.201 Food Sanitation Laws.	Being superior in flexibility and bending property, it can be laid in a narrow space. It can be shortened to 1/5 of the original length.
Type	HOCTD	HOTD	HOTDS	HOTDH
	Heat-Resistant Duct Hoses - Low Dust Generation P1326	Heat-Resistant Duct Hoses - Heat Resistant Temperature 250°C P1326	Heat-Resistant Duct Hoses - Heat Resistant Temperature 180°C P1326	Heat-Resistant Duct Hoses - Heat Resistant Temperature 450°C P1326
				
Type	Air Conditioning, Ventilation	Air Conditioning, Ventilation	Air Conditioning, Ventilation	Air Conditioning, Ventilation
Fluid / Application	For supply and exhaust in environments such as clean rooms where low dust generation is required. Supply and exhaust of hot air, air-conditioning and ventilation Intake and exhaust for warm air generators.	Hot air generator / circulator unit, spark collection ducts for grinders and welders.	Supply and exhaust of hot air, air-conditioning and ventilation	Hot air, acid and alkali containing gases (ambient temperature)
Material	Aluminum Polyester Cloth Reinforcement Spiral: Zinc Plating Steel Plate	Special Coating Glass Reinforcement Spiral: SUS304	Aluminum / Aluminum Glass Cloth Reinforcement Spiral: SPCC (Zinc Plating)	SUS304 Reinforcement Spiral: SUS304
Operating Temperature Range	-20~130°C	-20~250°C	-20~180°C	30~450°C
Allowable Pressure Range	0~0.007MPa 0~0.007MPa	0~0.007MPa 0~0.007MPa	0~0.007MPa 0~0.007MPa	0~0.007MPa 0~0.007MPa
Features	Special laminated film is adopted to reduce generation of particle caused by friction on the surface. Flexible and easy to store and transport.	Highly flexible. Highly elastic and flame resistant.	Elastic, and can be fixed at any angle or in any direction. (Do not stretch/release the hose repeatedly) Aluminum Glass Cloth Sheets are highly flame-resistant.	Excellent in heat resistance. Corrosion resistant material that endures gases containing acid, alkali and solvents. Though designed for fixed plumbing, it can form curved portions.
Type	HOTDK	HOTDA	 <p>Permissible bending radius is from the center of the hose.</p>	
	Heat-Resistant Duct Hoses - Heat Resistant Temperature 600°C P1326	Heat-Resistant Duct Hoses - Heat Insulating Layer Coated P1326		
				
Type	Air Conditioning, Ventilation	Air Conditioning, Ventilation		
Fluid / Application	Supply and exhaust of hot air, air-conditioning and ventilation	Supply and exhaust of hot air, air-conditioning and ventilation		
Material	SUS304 Reinforcement Spiral: SUS304	Aluminum Heat Insulating Layer: Glass Fiber		
Operating Temperature Range	-40~600°C	-30~200°C		
Allowable Pressure Range	0~0.027MPa 0~0.027MPa	0.006 ~ 0.009MPa (Depends on size.) 0.006 ~ 0.009MPa (Depends on size.)		
Features	Excellent in flame and heat resistance.	Requires no additional heat insulation after installation. Saves construction time.		

Duct Hoses

Lightweight / Flexible / Swiveling / Friction Resistant, Antistatic

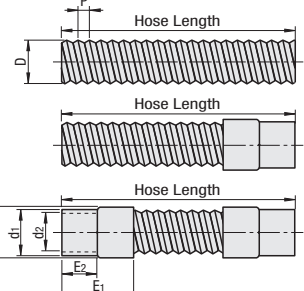
Lightweight



HOSEE/HOSEE
(Hose Body Only)

HOSEK/HOSSDK
(One End Cuffed)

HOSEER/HOSSDR
(Both Ends Cuffed)



Construction Diagram

Lightweight Type

Flexible PVC Rigid PVC

Material: Hose Body: Flexible / Hard PVC
Cuff: Flexible PVC


Flexible

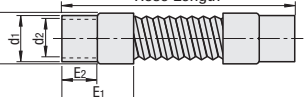
Material: Hose Body: Polypropylene, Hard Steel Wire
Cuff: EPDM (Light Gray)

Part Number	Hose Length 0.1m Increment	D	Hose I.D. (Reference) (mm)	P	d	d1	d2	E1	E2	Allowable Bending Radius (mm)	Reference Mass (kg/m)	Unit Price		
												HOSEE Hose Unit Price/m	HOSEK One End Cuffed (+ Hose Unit Price)	HOSEER Both Ends Cuffed (+ Hose Unit Price)
Lightweight Type HOSEE (Hose Body)	38	44.5	37.3	9.2	48	43	38	80	35	38	0.295			
	50	60.2	50.6	10	65.5	56.3	50.8	82	35	50	0.59			
	65	72	62.4	12	78.5	69	63	86	33	65	0.655			
	75	86.4	76.4	13	92.5	83.2	76.2	94	37	75	0.785			
	90	99.5	88.9	13.5	106.5	96.9	89.2	99	40	90	0.95			
HOSEK (One End Cuffed)	100	112.2	101.6	15	119.8	109.6	101.6	110	42	100	1.03			
	125	136.7	125.9	21	146.3	135	128	142	50	125	1.355			
HOSEER (Both Ends Cuffed)	150	164.8	152.4	20	173.3	160	152	160	70	150	1.68			

Features: Being excellent in flexibility and lightweight, it improves operating efficiency. Easy to cut and mount.

Flexible






Construction Diagram

Material: Hose Body: Polypropylene, Hard Steel Wire
Cuff: EPDM (Light Gray)

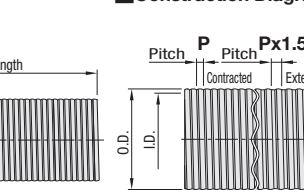
Part Number	Hose Length 0.1m Increment	D	Hose I.D. (Reference) (mm)	P	d	d1	d2	E1	E2	Allowable Bending Radius (mm)	Reference Mass (kg/m)	Unit Price		
												HOSSD Hose Unit Price/m	HOSSDK One End Cuffed (+ Hose Unit Price)	HOSSDR Both Ends Cuffed (+ Hose Unit Price)
Flexible HOSSD (Hose Body)	38	42.0	35.0	10.5	47.7	44.0	38.0	70	35	30	0.15			
	50	58.0	50.0	12.3	64.0	56.8	50.8	70	35	40	0.2			
	65	72.0	63.0	14.0	78.0	69.5	63.5	76	35	55	0.255			
	75	81.0	71.0	15.7	88.0	82.5	76.5	85	40	60	0.28			
	90	94.0	83.0	15.7	100.0	95.9	88.9	95	45	70	0.33			
HOSSDK (One End Cuffed)	100	108.0	97.0	17.0	115.5	108.6	101.6	95	45	80	0.4			
	125	135.0	123.0	18.5	140.5	134.0	127.0	95	45	100	0.58			
HOSSDR (Both Ends Cuffed)	150	158.0	145.0	22.5	166.0	160.4	152.4	113	50	120	0.725			

Features: Being excellent in flexibility and lightweight, it improves operating efficiency. Easy to cut and mount.

Swiveling



HOSKK
(Hose Body Only)



Construction Diagram


Material: Hose Body: Polypropylene

Features

Capable of being bent as desired and keeping its bent state. Diameter can be varied by twisting the opening.

Opening Variation	Contraction: 15%	Expansion: 20%
Expansion / Contraction Rate	x1.5	

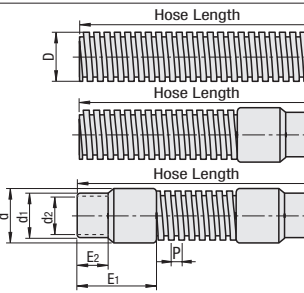
Wear Resistant, Antistatic



HOSH/HOSH
(Hose Body Only)

HOSHDK
(One End Cuffed)

HOSHDR
(Both Ends Cuffed)



Construction Diagram

Synthetic Rubber (EPDM)

Polypropylene

Material: Hose Body: Polypropylene, Conductive EPDM
Cuff: EPDM (Black)

Part Number	Hose Length 0.1m Increment	D	Hose I.D. (Reference) (mm)	P	d	d1	d2	E1	E2	Allowable Bending Radius (mm)	Reference Mass (kg/m)	Unit Price		
												HOSH Hose Unit Price/m	HOSHDK One End Cuffed (+ Hose Unit Price)	HOSHDR Both Ends Cuffed (+ Hose Unit Price)
Wear Resistant, Antistatic HOSH (Hose Body)	38	46.8	38.0	9.5	52.0	43.0	38.0	75	30	45	0.34			
	50	61.2	50.6	10.0	66.3	56.0	51.0	81	25	55	0.555			
	65	73.0	62.4	12.0	78.1	69.0	63.0	87	31	65	0.61			
	75	87.2	76.4	13.0	92.5	84.0	77.0	98	38	75	0.73			
	90	100.3	88.9	13.5	105.8	97.0	89.0	107	46	90	0.9			
HOSHDK (One End Cuffed)	100	113.0	101.6	15.0	118.3	110.0	102.0	111	43	100	0.945			
	125	139.7	125.9	21.5	144.8	134.0	126.0	146	52	125	1.335			
HOSHDR (Both Ends Cuffed)	150	166.2	152.4	20.0	172.3	161.0	153.0	162	78	150	1.58			

Features: Resistant to cold, heat and abrasion. Excellent antistatic effect. (Volume Resistivity/10¹⁰ Ω·cm or less)

Ordering Example

Part Number - Hose Length

HOSSDR50 - 3.2

Allowable Decompression (kPa/mmHg)

-13.0 ~ -40.0 (-98 ~ -300)

* The allowable reduction pressure is the maximum negative pressure that can be applied to the hose under ambient temperature. Above range is for Hose Body only. Use data as reference.