

Duct Hoses

Overview

Duct Hoses

Lightweight / Flexible / Swiveling / Friction Resistant, Antistatic

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.	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.		

Lightweight

HOSEE HOSSD
(Hose Body Only)

HOSEEK HOSSDK
(One End Cuffed)

HOSEER HOSSDR
(Both Ends Cuffed)

RoHS

Construction Diagram

Lightweight Type

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

Flexible

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

Part Number	Type	Nominal	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	HOSEEK One End Cuffed (+ Hose Unit Price)	HOSEER Both Ends Cuffed (+ Hose Unit Price)
Lightweight Type	HOSEE	38	0.5-50.0	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	0.5-30.0	86.4	76.4	13	92.5	83.2	76.2	94	37	75	0.785			
		90		99.5	88.9	15	106.5	96.9	89.2	99	40	90	0.95			
Flexible	HOSEER	100	0.5-20.0	112.2	101.6	15	119.8	109.6	101.6	110	42	100	1.03			
		125		138.7	125.9	21	146.3	135	128	142	50	125	1.355			
		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.

Part Number	Type	Nominal	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	38	0.5-5.0	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	58.8	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			
Flexible	HOSSDK	100	* Length with hose extended.	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			
		150		158.0	145.0	22.5	166.0	160.4	152.4	113	50	120	0.725			

Swiveling

HOSKK
(Hose Body Only)

Construction Diagram

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	

Material: Hose Body: Polypropylene

Part Number	Type	Nominal	Hose Length 0.1m Increment	D	Hose I.D. (Reference) (mm)	P (Contracted State)	Allowable Bending Radius (mm)	Reference Mass (kg/m)	Unit Price	
									HOSSD Hose Unit Price/m	HOSSDK One End Cuffed (+ Hose Unit Price)
Swiveling	HOSKK	75	0.5-10.0	82.4	75	7.5	175	0.675		
		90		97.4	90	7.5	210	0.775		
		100		107.4	100	7.5	230	0.845		

Wear Resistant, Antistatic

HOSH/HOSH
(Hose Body Only)

HOSHDK
(One End Cuffed)

HOSHDR
(Both Ends Cuffed)

RoHS

Construction Diagram

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

Part Number	Type	Nominal	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	38	0.5-30.0	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			
Wear Resistant, Antistatic	HOSHDR	100	0.5-20.0	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			
		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/10⁹Ω·cm or less)

Ordering Example: Part Number - Hose Length
HOSSDR50 - 3.2

Allowable Decompression (kPa/mHg): -13.0 ~ -40.0 (-98 ~ -300) (Ambient Temperature)
* 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.

Duct Hoses / Cuffs for Duct Hoses

Oil-Resistant / Non-PVC

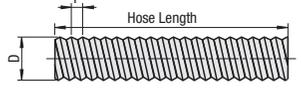
Aluminum Duct Hoses / Heat Resistant Duct Hoses

Oil-Resistant

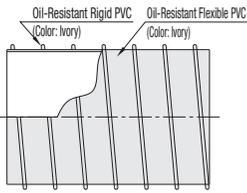


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HOVDY
(Hose Body Only)



Construction Diagram



Material Hose Body: Oil-resistant Hard/Flexible PVC

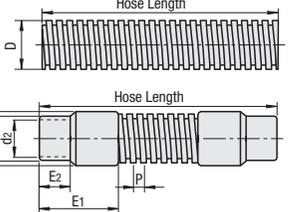
Part Number Type	Nominal	Hose Length 0.1m Increment	D	Hose I.D. (Reference) (mm)		P	Allowable Bending Radius (mm)	Reference Mass (kg/m)	Unit Price	
				d1	d2				Hose Unit Price/m	Both Ends Cuffed
HOVDY (Hose Body)	75	0.5-30.0	86.4	76.4	13	75	0.785			
	100		112.2	101.6	15	100	1.03			
	125	0.5-20.0	138.7	125.9	21	125	1.355			
	150		164.8	152.4	20	150	1.68			

Non-PVC



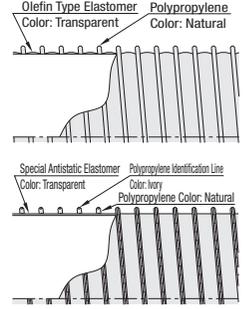
RoHS

Construction Diagram



Material Hose Body: Polypropylene, Olefin Type Elastomer (for HOVDY, Special Anti-electrostatic Elastomer) Cuff: Olefin Type Elastomer

Construction Diagram



Part Number Type	Nominal Dia.	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)	Allowable Pressure (Ambient Temp.) (MPa (kgf/cm ²))	Allowable Decompression (Ambient Temp.) (kPa (mmHg))	Unit Price HOVDY		Unit Price HOVDY	
				Hose Unit Price/m	One End Cuffed											Both Ends Cuffed	Hose Unit Price/m	Both Ends Cuffed	
Translucent Duct Hoses	38	0.5-30.0	45.0	38.0	7.8	48	43	38	80	35	50	0.22	0.04 (0.4)	-50.7 (-380)					
	50		59.0	50.8	10.0	65.5	56.3	50.8	82	35	60	0.33	0.03 (0.3)	-33.0 (-248)					
	75		85.0	76.2	13.0	92.5	83.2	76.2	94	37	90	0.47	0.03 (0.3)	-17.5 (-131)					
Antistatic Translucent Duct Hoses	100	0.5-20.0	111.5	101.6	15.0	119	108.6	101.6	110	42	110	0.64	0.02 (0.2)	-12.5 (-94)					
	125		138.5	127.0	21.0	146.3	135	128	142	50	135	0.81							
	150		164.0	152.4	20.0	173.3	160	152	159	70	160	1.06							

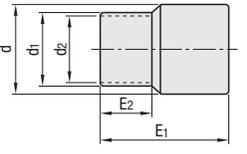
Specifications

Type	HOVDY	HOVDY
Application	Suction and exhaust emission of oil mist	For air supply and exhaust (Air)
Operating Temp. Range (°C)	-10~50	-20~50
Allowable Pressure Range (MPa)	Below ambient temperature: 0 ~ 0.04	Above ambient temperature: 0 ~ 0.02

Ordering Example Part Number - Hose Length
HOVDY100 - 5.5
HOVDY50 - 3.2

Cuffs for Duct Hoses

Type	Material	Applicable Hoses
DHED	Flexible PVC	Lightweight Type
DHSD	EPDM (Light Gray)	Flexible
DHHD	EPDM (Black)	Wear Resistant, Antistatic
DHTD	Olefin Type Elastomer	Translucent Type



Ordering Example Part Number
DHSD50

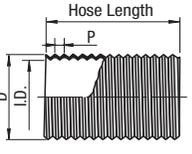
Part Number Type	Nominal	DHED				DHSD				DHHD				DHTD								
		d	d1	d2	E1	d	d1	d2	E1	d	d1	d2	E1	d	d1	d2	E1	E2				
(For Lightweight Duct Hoses)	38	48	43	38	80	35	47.7	44	38	70	35	52	43	38	75	30	48	43	38	80	35	
	50	65.5	56.3	50.8	82	35	64	56.8	50.8	70	35	66.3	56	51	81	23	65.5	56.3	50.8	82	35	
	75	78.5	69	63	86	33	78	69.5	63.5	76	35	78.1	69	63	87	31	-	-	-	-	-	-
	100	92.5	83.2	76.2	94	37	88	82.5	76.5	85	40	92.5	84	77	98	38	92.5	83.2	76.2	94	37	
(For Flexible Duct Hoses)	100	106.5	96.9	89.2	99	40	100	95.9	88.9	95	45	105.8	97	89	107	46	-	-	-	-	-	-
	150	119.8	109.6	101.6	110	42	115.5	108.6	101.6	95	45	118.3	110	102	111	43	119	108.6	101.6	110	42	
(For Friction Resistant and Antistatic Duct Hoses)	125	146.3	135	128	142	50	140.5	134	127	95	45	144.8	134	126	146	52	146.3	135	128	142	50	
	150	173.3	160	152	160	70	166	160.4	152.4	113	50	172.3	161	153	162	78	173.3	160	152	159	70	

Aluminum Duct Hoses



RoHS

Construction Diagram



Features

- Flexible and elastic, can be stored compactly.
- It can be shortened to 1/5 of its original length. Stored compact for space-saving.

Part Number Type	Nominal Dia.	Hose Length 0.1m Increment	Hose I.D. (Reference) (mm)	D	P	Allowable Pressure Range (MPa (kgf/cm ²))	Allowable Decompression (Ambient Temp.) (kPa (mmHg))	Allowable Bending Radius (mm)	Reference Mass g/m	Unit Price	
										Hose Unit Price/m	Both Ends Cuffed
HOAD	38	0.5-5	39	45.0	10.8	0~0.02 (0~0.2)	-33 (-248)	30	130		
	50		50	55.3	10.8			35	168		
	65		64	70.3	10.8			45	205		
	75		75	80.3	10.8			55	244		
	100		98	105.3	10.8			70	312		
	117		113	119.3	10.8	75	375				
	125		125	130.3	10.8	90	390				
	150		150	155.7	10.8	105	606				

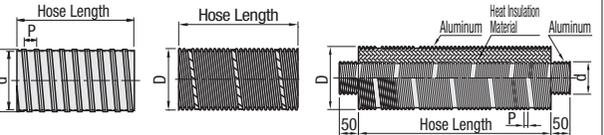
* Hose length refers to the length with the hose extended.
Ordering Example Part Number - Hose Length
 HOAD50 - 3.2

Heat-Resistant Duct Hoses



RoHS

Construction Diagram



Application of HOTDS (for Fixed Plumbing)

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. (Flame Retardant Class 1-certificated) Hoses have no tightness.

Application of HOTD (for Non-Fixed Plumbing)

Flexible and easy to store and transport. Special Coating Glass Cloths used for the products are highly elastic and flame resistant. (Flame Retardant Class 1-certificated) Hoses have no tightness.

Application of HOTDH (for Fixed Plumbing)

Though designed for fixed plumbing, it can form curved portions. (Do not stretch/release the hose repeatedly.) Hoses have no tightness.

Application of HOTDA (for Fixed Plumbing)

Requires no heat retention after installation, and thus, shortens work period.

Part Number Type	No.	Hose Length 0.1m Increment	Hose I.D. (Reference) (mm)	D	P	Allowable Pressure Range (MPa)	Allowable Decompression (Ambient Temp.) (kPa)	Reference Mass (g/m)	Allowable Bending Radius (mm)	Unit Price	
										Hose Unit Price/m	Both Ends Cuffed
HOCTD (Low Dust Generation Type)	50	0.5-5	51	54.5	20	0~0.007	-8.5	370	120		
	75		76	80	20			530	160		
	100		102.5	106	23			640	210		
	125		127.5	131	23			770	250		
	150		152	155	23			945	300		
HOTD (Heat Resistant Temperature 250°C Type)	50	0.5-5	51	54.5	20	0~0.007	-8.5	360	110		
	65		67	71.5	20			480	140		
	75		76	80	20			525	160		
	90		91	94.5	23			545	190		
	100		102.5	106	23			635	210		
HOTDS (Heat Resistant Temperature 180°C Type)	50	0.5-5	51	54.5	20	0~0.007	-8.5	405	110		
	65		67	71.5	20			460	140		
	75		76	80	20			525	160		
	90		91.5	95	23			570	190		
	100		102.5	106	23			635	210		
HOTDH (Heat Resistant Temperature 450°C Type)	50	0.5-2	52.5	56	20	0~0.007	-10.5	365	170		
	65		67	71.5	20			460	210		
	75		76	80	20			525	240		
	90		91.5	95	23			570	290		
	100		102.5	106	23			635	320		
HOTDK (Heat Resistant Temperature 600°C Type)	50	0.5-4	51.2	56.8	-	0~0.027	-27	220	75		
	65		66.2	71.8	-			280	98		
	75		76.2	81.8	-			320	113		
	80		81.2	86.8	-			340	120		
	100		101.7	107.3	-			420	200		
HOTDA (Heat Insulating Layer Coated Type)	50	0.5-2	50.9	107	4.1	0.009	-9	470	200		
	75		75.9	132	4.1			590	300		
	100		101.4	157	4.1			720	400		

* Hose length refers to the length when the hose is stretched without tensile load. (The allowable pressure is the maximum design pressure. 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.)
Ordering Example Part Number - Hose Length
 HOTDK50 - 3.2
 * For orders larger than indicated quantity, please check with WOS.
 * Use two hose clamps for each installation location to secure the hose.

Duct Hoses / Aluminum Duct Hoses

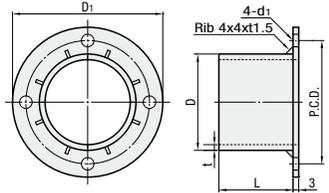
Mounting Flanges Economy



Type	Type	Material	Surface Treatment
For Duct Hoses	For Aluminum Duct Hoses		
Economy	HOFMN	Polycarbonate, ABS (Glass Fiber Reinforced)	-
Standard	HOFM HOAFM	SS400	Baked Acrylic Paint
	HOFS HOAFS	SUS304	-

Temperature Resistance for HOFMN is 80°C.

HOFMN

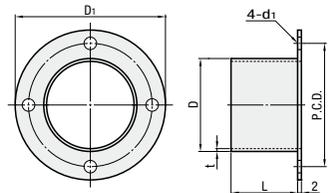


Mounting Flanges Standard



Type	Type	Material	Surface Treatment
For Duct Hoses	For Aluminum Duct Hoses		
	HOFM HOFS	SS400	Baked Acrylic Paint
	HOAFM HOAFS	SUS304	-

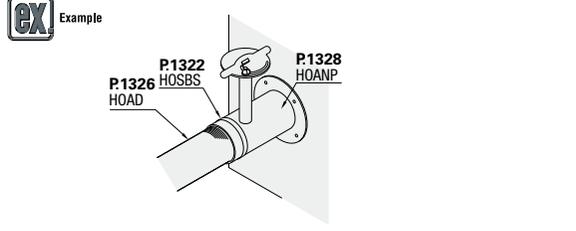
HOFM HOFS HOAFM HOAFS



RoHS

Part Number	Type	Nominal Dia.	D	L	D1	P.C.D.	d1	t	Unit Price					
									HOFMN	HOFM	HOFS			
For Duct Hoses Economy	HOFMN	38	38	32	66	52								
		50	50.8	39	79	65								
		65	63.5	50	91.5	77.5								
		75	76.3	57	111	94								
		100	101.6	70	136	119								
For Duct Hoses Standard	HOFS	38	38	28	66	52		1.2						
		50	50.8	35	79	65		1.5						
		65	63.5	46	91.5	77.5								
		75	76.3	53	111	94								
		90	89.1	63	123	106								
		100	101.6	70	136	119								
		125	127	84	162	144								
		150	152.4	101	188	170								
		For Aluminum Duct Hoses	HOAFM	38	38	28	66	52		1.2				
				50	48.6	35	79	65		1.5				
65	63.5			46	91.5	77.5								
75	75			53	111	94								
100	98			70	136	119								
113	112			75	152	134								
150	149			90	193	173								

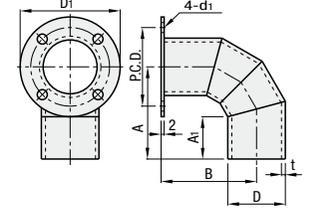
Part Number	Type	Nominal Dia.	D	A	A1	B	D1	P.C.D.	d1	t	Unit Price	
											HOEM	HOES
For Duct Hoses	HOEM	38	38	61	28	63	66	52		1.2		
		50	50.8	78	35	82	79	65		6.6	1.5	
		65	63.5	90	35	89	91.5	77.5				
		75	76.3	100	35	94	111	94				
		100	101.6	130	45	124	136	119				
		150	152.4	174	60	176	188	170				
For Aluminum Duct Hoses	HOAEM	38	38	61	28	63	66	52		1.2		
		50	48.6	78	35	82	79	65		6.6	1.5	
		65	63.5	90	35	89	91.5	77.5				
		75	75	100	35	94	111	94				
		100	98	130	45	124	136	119				
		113	112	138	50	140	152	134				
		150	149	174	60	176	193	173				



Elbows



Type	Type	Material	Surface Treatment
For Duct Hoses	For Aluminum Duct Hoses		
	HOEM HOES	SS400	Baked Acrylic Paint
	HOAEM HOAE	SUS304	-



RoHS

Specifications
 - Operating Temperature Range: 0 ~ 160°C

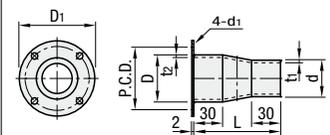
For combination with Duct Hoses, see P.1303.
 Use with Hose Clamps on P.1322 is recommended.
 When selecting together with the Duct Hoses and Hose Clamps, be sure of the D dimension of the plumbing parts and the I.D. of the Duct Hoses (for cuffed type, the I.D. of the cuff).

Ordering Example
 Part Number
HOAFM 65
HOFMN 38
HOAEM 50

Reducers



Type	Type	Material	Surface Treatment
For Duct Hoses	For Aluminum Duct Hoses		
Flanged	HORM HOARM	SS400	Baked Acrylic Paint
No Flange	HOARFM HOARF	SUS304	-

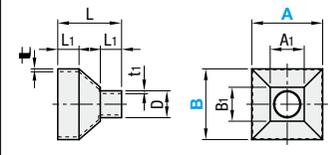


RoHS

Food Covers



Type	Material
For Duct Hoses	
HOSYS	SUS304

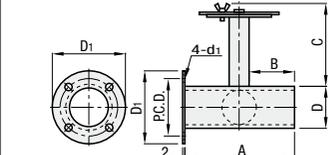


RoHS

Dampers



Type	Material	Surface Treatment
For Aluminum Duct Hoses		
No Flange	HOANM HOANP	SS400
Flanged	HOANPM HOANPF	SUS304
Double Flanged	HOANPFM HOANFP	-



RoHS

Part Number	Type	Nominal Dia.	Hose Nominal Dia.	d	D	L	D1	P.C.D.	d1	t1	t2	Unit Price	
												HORM	HORS
For Duct Hoses (Flanged) HORM HORS		38	50	38	50.8	79	65	6.6	1.2	1.5			
		50	75	50.8	76.3	90	111	94	9	1.5	2		
		65	100	63.5	101.6	111	94	136	119	2	2		
		75	100	76.3	101.6	136	119	136	119	2	2		
		125	150	127	152.4	188	170	188	170	2	2		

Part Number	Type	Nominal Dia.	Hose Nominal Dia.	d	D	L	D1	P.C.D.	d1	t1	t2	Unit Price			
												HOARM	HOAR	HOARFM	HOARF
For Aluminum Duct Hoses (No Flange) HOARM HOAR		38	50	38	49	79	65	6.6	1.2	1.5					
		50	75	48.6	63.5	90	111	94	9	1.5	2				
		65	100	63.5	75	111	94	136	119	2	2				
		75	100	75	98	136	119	136	119	2	2				
		100	113	98	112	100	152	134	168	148	2	2			
125	150	124	149	193	173	193	173	2	2						

Part Number	Type	Nominal Dia.	A	B	D	A1	B1	t	t1	L	L1	Unit Price
For Duct Hoses HOSYS		38	50	100	38	50	48	1.2	1.2	90	30	
		50	100	100	50.8	61	61	1.5	1.5	120	40	
		65	150	150	63.5	74	74	2.0	2.0	150	150	
		75	200	200	76.3	86	86	2.0	2.0	150	150	
		100	200	300	101.6	112	112	2.0	2.0	150	150	

Part Number	Type	Nominal Dia.	D	A	B	C	D1	P.C.D.	d1	Unit Price							
										HOANM	HOAN	HOANPM	HOANP	HOANPFM	HOANFP		
For Aluminum Duct Hoses (No Flange) HOANM HOAN		38	38							66	52	6.6					
		50	48.5		99	41					91.5	77.5	9.0				
		65	63.5								111	94	9.0				
75	75		119	51					136	119	9.0						
100	98								168	148	9.0						
125	124		150	66					193	173	9.0						
150	149										9.0						

Specifications
 - Operating Temperature Range: 0 ~ 160°C

Ordering Example
 Part Number
HORM50-65

Plumbing Parts for Aluminum Duct Hoses

■ For Aluminum Duct Hoses Socket

Type	Material	Surface Treatment
HOAM	SS400	Baked Acrylic Paint
HOAS	SUS304	-
HOASK	SUS304	-

RoHS

Part Number	Type	No.	L Fixed	L Configurable 1mm Increment	D	t	Unit Price		
							HOAM	HOAS	HOASK
HOAM HOAS HOASK		38	60	50-200	38	1.2			
		50			48.6	1.5			
		65			63.5				
		75			75				
		100			98				
		113			112				
125	124								
150	149								

■ For Aluminum Duct Hoses Panel Mount

Type	Material	Surface Treatment
HOBUM	SS400	Baked Acrylic Paint
HOBU	SUS304	-

RoHS

Part Number	Type	Nominal Dia.	D	L1	L2	D1	P.C.D.	d1	t	Unit Price		
										HOBUM	HOBU	
HOBUM HOBU		38	38	40	100	66	52	6.6	1.2	2		
		50	48.6	40	100	79	65				1.5	
		65	63.5	40	100	91.5	77.5					
		75	75	40	100	111	94					
		100	98	50	100	136	119					
		113	112	50	100	152	134					
		125	124	50	100	168	148					
		150	149	50	100	193	173					

■ For Aluminum Duct Hoses T-Shaped

Type	Material	Surface Treatment
HOATM	SS400	Baked Acrylic Paint
HOAT	SUS304	-

RoHS

Part Number	Type	Nominal Dia.	D	L	A1	t	Unit Price	
							HOATM	HOAT
HOATM HOAT		38	38	100	50	1.2		
		50	48.5	120	60	1.5		
		65	63.5	135	68			
		75	75	145	72			
		100	98	180	90			
		113	112	180	100			
		125	124	200	110			
		150	149	240	120			

■ For Aluminum Duct Hoses Y-Shaped

Type	Material	Surface Treatment
HOAYM	SS400	Baked Acrylic Paint
HOAY	SUS304	-
HOAYFM	SS400	Baked Acrylic Paint
HOAYF	SUS304	-

RoHS

Part Number	Type	Nominal Dia.	D	L	L1	D1	P.C.D.	d1	t	Unit Price								
										HOAYM	HOAY	HOAYFM	HOAYF					
(No Flange) HOAYM HOAY		38	38	46(45)	35(34)	66	52	6.6	1.2	2								
		50	48.6	55(54)	41(40)	79	65				1.5							
		65	63.5	60(59)		91.5	77.5											
		75	75	65(64)	43(42)	111	94											
		(Flanged) HOAYFM HOAYF		100	98	75(74)	46(45)				136	119	9	2				
				113	112	80(79)	47.7(48.7)				152	134						
				125	124	85(84)	49.2(48.2)				168	148						
				150	149	95(94)	52(51)				193	173						

Part Number	Type	Nominal Dia.	D1	D2	L	L1	t1	t2	Unit Price	
									HOAYEM	HOAYE
HOAYEM HOAYE		50	48.5	38	80	46	1.5	1.2		
		65	63.5	48.5	85	55		1.5		
		75	75	63.5	88	60				
		100	98	75	100	65		2		
		113	112	98	105	75				
		150	149	124	120	85				

■ For Aluminum Duct Hoses Variant Y Type

Type	Material	Surface Treatment
HOAYEM	SS400	Baked Acrylic Paint
HOAYE	SUS304	-

RoHS

Part Number	Type	Nominal Dia.	D	L	A1	t	Unit Price	
							HOAHYM	HOAHY
HOAHYM HOAHY		38	38	114	30	1.2		
		50	48.5	141	36	1.5		
		65	63.5	172	41			
		75	75	194	44			
		100	98	243	52		2	
		113	112	278	60			
		125	124	305	65			
		150	149	350	70			

■ For Aluminum Duct Hoses Variant Y-Shaped

Type	Material	Surface Treatment
HOAHYM	SS400	Baked Acrylic Paint
HOAHY	SUS304	-

RoHS

■ For Aluminum Duct Hoses 45° Reducer

Type	Material	Surface Treatment
HOAFEM	SS400	Baked Acrylic Paint
HOAFE	SUS304	-

RoHS

Part Number	Type	Nominal Dia.	D	A1	A2	A3	t	Unit Price	
								HOAFEM	HOAFE
HOAFEM HOAFE		38	38	28	41	69	1.2		
		50	48.6	35	50	86.5	1.5		
		65	63.5	35	52.5	91			
		75	75	35	56	95			
		100	98	45	73	122	2		
		113	112	50	81.5	139			
		125	124	55	89	151.5			
		150	149	60	98	170			

■ For Aluminum Duct Hoses Flanged

Type	Material	Surface Treatment
HOAJ	SUS304	-

RoHS

Part Number	Type	Nominal Dia.	t	D1	P.C.D.	d1	Unit Price	
							HOAJ	HOBU
HOAJ		38	2	66	52	6.6		
		50					79	65
		65					91.5	77.5
		75					111	94
		100					136	119
		113					152	134
		125					168	148
		150					193	173

Ordering Example: Part Number HOAFEM 38

Specifications: Operating Temperature Range: 0 ~ 160°C

■ Duct Plumbing Manifolds

Type	Size	Material
2 Outlets DBXWS DBXWM	150x150x300 200x200x300	SUS304
3 Outlets DBXTS DBXTM		

① d1 is tapped hole, and nut is welded to the back side.
② There are no holes on other sides than the hole side.

Part Number	Type	D1	D2	A	B	D1 · D2 ① P.C.D.	P		d1	t	Unit Price 1 ~ 4 pc(s).			
							2 Outlets	3 Outlets			DBXWS	DBXTS	DBXWM	DBXTM
150x150x300	DBXWS (2 Outlets) DBXTS (3 Outlets)	38	38	150	300	38 52	145	98	M6	2				
		50	50			65 77.5								
		65	65			75 94								
		75	75			100 119								
		100	100											
200x200x300	DBXWM (2 Outlets) DBXTM (3 Outlets)	38	38	200	300	38 52	145	98	M6	2				
		50	50			65 77.5								
		65	65			75 94								
		75	75			100 119								
		100	100											
		113	113			134								
		125	125			148								
150	150	173												

Ordering Example: Part Number DBXWS - 100 - 50
DBXTM - 113 - 38

Example

Ordering Example: Part Number HOATM 50

Specifications: Operating Temperature Range: 0 ~ 160°C