

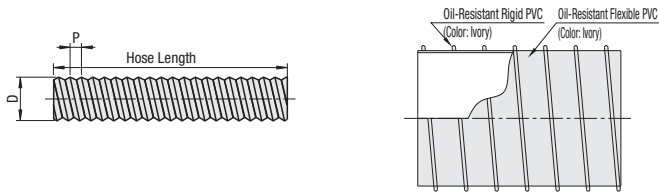
Duct Hoses / Cuffs for Duct Hoses

Oil-Resistant / Non-PVC

Oil-Resistant

HOSDY
(Hose Body Only)

Construction Diagram



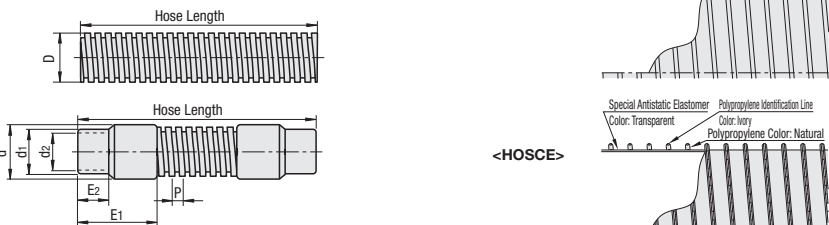
Material Hose Body: Oil-resistant Hard/Flexible PVC

Part Number		Hose Length 0.1m Increment	D	Hose I.D. (Reference) (mm)	P	Allowable Bending Radius (mm)	Reference Mass (kg/m)	Unit Price Hose Unit Price/m
Type	Nominal							
HOSDY (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		138.7	125.9	21	125	1.355	
	150	0.5~20.0	164.8	152.4	20	150	1.68	

Non-PVC

Type	Hose Body Only	One End Cuffed	Both Ends Cuffed
Translucent Type	HOSCD	HOSCDK	HOSCDR
Antistatic Translucent Type	HOSCE	-	HOSCEC

Construction Diagram



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

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)	Allowable Pressure (Ambient Temp.) (MPa (kgf/cm ²))	Allowable Decompression (Ambient Temp.) (kPa (mmHg))	Unit Price HOSCD		Unit Price HOSCE	
Type	Nominal														Hose Unit Price/m	One End Cuffed (+ Hose Unit Price)	Hose Unit Price/m	Both Ends Cuffed (+ Hose Unit Price)
Translucent Duct Hoses HOSCD (Hose Body) HOSCDK (One End Cuffed) HOSCDR (Both Ends Cuffed)	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						
	75		85.0	76.2	13.0	92.5	83.2	76.2	94	37	90	0.47						
	100	0.5~20.0	111.5	101.6	15.0	119	108.6	101.6	110	42	110	0.64	0.03 (0.3)	-33.0 (-248)				
	125		138.5	127.0	21.0	146.3	135	128	142	50	135	0.81	-17.5 (-131)					
Antistatic Translucent Duct Hoses HOSCE (Hose Body) HOSCEC (Both Ends Cuffed)	150		164.0	152.4	20.0	173.3	160	152	159	70	160	1.06	0.02 (0.2)	-12.5 (-94)				

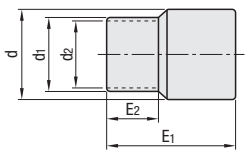
Specifications

Type	HOSDY	HOSCD HOSCE
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
	HOSDY100	5.5
	HOSCD50	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

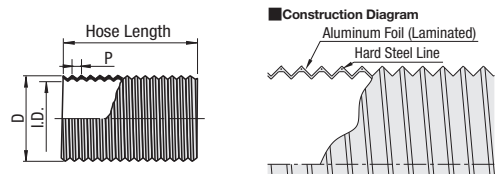


Part Number		DHED					DHSD					DHHD					DHTD				
Type	Nominal	d	d1	d2	E1	E2	d	d1	d2	E1	E2	d	d1	d2	E1	E2	d	d1	d2	E1	E2
DHED (For Lightweight Duct Hoses)	38	48	43	38	80	35	47.7	44	38	70	35	52	43	38	75	30	48	43	38	80	35
	50	65.5	56.3	50.8	82	35	64	56.8	50.8	70	35	66.3	56	51	81	23	65.5	56.3	50.8	82	35
	65	78.5	69	63	86	33	78	69.5	63.5	76	35	78.1	69	63	87	31	-	-	-	-	-
DHSD (For Flexible Duct Hoses)	75	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
	90	106.5	96.9	89.2	99	40	100	95.9	88.9	95	45	105.8	97	89	107	46	-	-	-	-	-
DHHD (For Friction Resistant and Antistatic Duct Hoses)	100	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
	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
DHTD (For Translucent Duct Hoses)	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 / Heat Resistant Duct Hoses

Aluminum Duct Hoses

Type	Material	Operating Temp. Range (°C)
HOAD	Aluminum Foil (Laminated) Hard Steel Wire	-20~80°C



Features

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

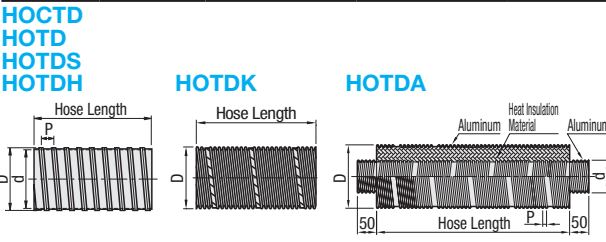
Part Number		Hose Length 0.1m Increment	Hose I.D. (Reference) (mm)	D	P	Allowable Pressure Range (MPa (kgf/cm ²))	Allowable Decompression (Ambient Temp.) (kPa (mmHg))	Allowable Bending Radius (mm)	Reference Mass g/m	Unit Price Hose Unit Price/m
Type	Nominal									
HOAD	38	0.5~5	39	45.0	10.8	0~0.02 {0~0.2}	-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	0~0.01 {0~0.1}	-26.5 (-199) -16.5 (-124) -13.0 (-98) -10.0 (-75)	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

Type	Application	Material	Operating Temp. Range (°C)
HOCTD	Low Dust Generation Type	Aluminum Polyester Cloth	-20~130°C
HOTD	Heat-Resistant Type	Special Coating Glass Cloth	-20~250°C
HOTDS	Heat-Resistant Type	Aluminum Glass Cloth	-20~180°C
HOTDH	Heat-Resistant Type	SUS304	30~450°C
HOTDK	Heat-Resistant Type	SUS304	~600°C
HOTDA	Heat-Resistant - Heat Retention Type	Aluminum	-30~200°C



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		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
Type	No.									
HOCTD (Low Dust Generation Type)	50	0.5~5	51	54.5	20	0~0.007	-8.5	370	120	
	75		76	80	20		-7	530	160	
	100		102.5	106	23		-6.5	640	210	
	125		127.5	131	23		-6.5	770	250	
	150		152	155	23		-6	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		-8	480	140	
	75		76	80	20		-7	525	160	
	90		91	94.5	23		-6.5	545	190	
	100		102.5	106	23		-6.5	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		52.5	56	20		-10.5	365	170	
HOTDH (Heat Resistant Temperature 450°C Type)	65	0.5~2	67	71.5	20	0~0.007	-10	460	210	
	75		76	80	20		-10	525	240	
	90		91.5	95	23		-9	570	290	
	100		102.5	106	23		-8	635	320	
	125		101.7	107.3	-		-27	220	75	
HOTDK (Heat Resistant Temperature 600°C Type)	65	0.5~4	66.2	71.8	-	0~0.027	-27	280	98	
	75		76.2	81.8	-		-27	320	113	
	80		81.2	86.8	-		-27	340	120	
	100		101.7	107.3	-		-27	420	200	
	125		50.9	107	4.1	0.009	-9	470	200	
HOTDA (Heat Insulating Layer Coated Type)	75	0.5~2	75.9	132	4.1	0.007	-7.2	590	300	
	100		101.4	157	4.1	0.006	-6	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.)

* Use two hose clamps for each installation location to secure the hose.

Ordering Example	Part Number	Hose Length
	HOTDK50	3.2

* For orders larger than indicated quantity, please check with WOS.