


# Duct Hoses / Cuffs for Duct Hoses

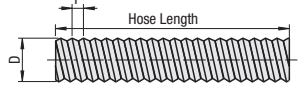
Oil-Resistant / Non-PVC

# Aluminum Duct Hoses / Heat Resistant Duct Hoses

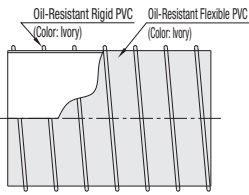
**Oil-Resistant**



**HOVDY**  
(Hose Body Only)




**Construction Diagram**



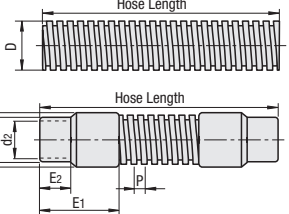
Material: Hose Body: Oil-resistant Hard/Flexible PVC

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	Hose Unit Price/m
<b>HOVDY</b> (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			

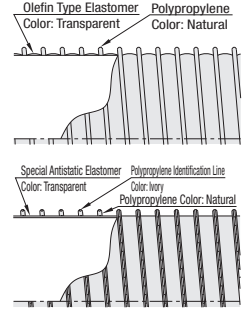
**Non-PVC**



**Construction Diagram**



**Construction Diagram**



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

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/cm²))	Allowable Decompression (Ambient Temp.) (kPa (mmHg))	Unit Price HOVDY		Unit Price HOVDY	
				Hose Unit Price/m	One End Cuffed (+ Hose Unit Price)											Both Ends Cuffed (+ Hose Unit Price)	Hose Unit Price/m	Both Ends Cuffed (+ Hose Unit Price)	
Translucent Duct Hoses <b>HOVDY</b> (Hose Body)	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							
Antistatic Translucent Duct Hoses <b>HOVDY</b> (Hose Body)	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							
	150		164.0	152.4	20.0	173.3	160	152	159	70	160	1.06	0.02 (0.2)	-12.5 (-94)					

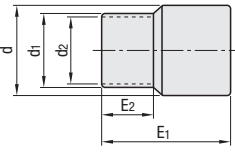
**Specifications**

Type	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
<b>DHED</b>	Flexible PVC	Lightweight Type
<b>DHSD</b>	EPDM (Light Gray)	Flexible
<b>DHHD</b>	EPDM (Black)	Wear Resistant, Antistatic
<b>DHTD</b>	Olefin Type Elastomer	Translucent Type



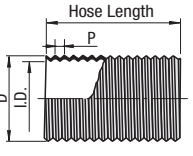
Ordering Example: Part Number  
DHSD50

Part Number Type	Nominal	DHED					DHSD					DHHD					DHTD				
		d	d1	d2	E1	E2	d	d1	d2	E1	E2	d	d1	d2	E1	E2	d	d1	d2	E1	E2
<b>DHED</b> (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
<b>DHSD</b> (For Flexible Duct Hoses)	65	78.5	69	63	86	33	78	69.5	63.5	76	35	78.1	69	63	87	31	-	-	-	-	-
	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
<b>DHHD</b> (For Friction Resistant and Antistatic Duct Hoses)	90	106.5	96.9	89.2	99	40	100	95.9	88.9	95	45	105.8	97	89	107	46	-	-	-	-	-
	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
<b>DHTD</b> (For Translucent 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

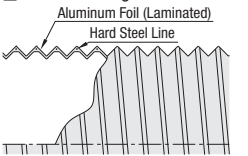
**Aluminum Duct Hoses**



**Construction Diagram**



**Construction Diagram**




Material: Hose Body: Oil-resistant Hard/Flexible PVC

Part Number Type	Nominal Dia.	Hose Length 0.1m Increment	Hose I.D. (Reference) (mm)	D	P	Allowable Pressure Range (MPa (kgf/cm²))	Allowable Decompression (Ambient Temp.) (kPa (mmHg))	Allowable Bending Radius (mm)	Reference Mass (g/m)	Unit Price	
										Hose Unit Price/m	Hose Unit Price/m
<b>HOVDY</b>	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		

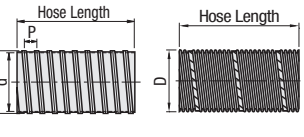
\* Hose length refers to the length with the hose extended.

Ordering Example: Part Number - Hose Length  
HOVDY50 - 3.2

**Heat-Resistant Duct Hoses**



**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	Hose Unit Price/m		
<b>HOVDY</b> (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			
<b>HOVDY</b> (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			
<b>HOVDY</b> (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			-10.5	365	170			
<b>HOVDY</b> (Heat Resistant Temperature 450°C Type)	50	0.5-2	52.5	56	20	0~0.007	-10	460	210				
	65		67	71.5	20			-10	525	240			
	75		76	80	20			-9	570	290			
	90		91.5	95	23			-8	635	320			
<b>HOVDY</b> (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	-			-27	280	98			
	75		76.2	81.8	-			-27	320	113			
	80		81.2	86.8	-			-27	340	120			
<b>HOVDY</b> (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			0.007	-7.2	590	300		
	100		101.4	157	4.1			0.006	-6	720	400		

Ordering Example: Part Number - Hose Length  
HOVDY50 - 3.2

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

\* 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.