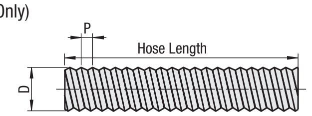
Duct Hoses / Cuff for Duct Hoses

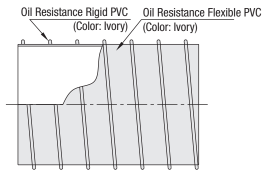
Oil Resistance / Non-PVC Type

Duct Hoses – Oil-Resistance Type

HOSDY
(Hose Body Only)

Construction Diagram





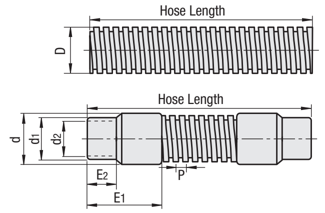
Material:
Hose Body: Oil-resistant Hard/Flexible PVC

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

Duct Hoses – Non-PVC Type

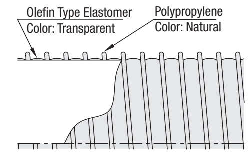
Type	Hose Body Only	One End Cuff	Both Ends Cuff
Translucent Type	HOSCD	HOSCDK	HOSCDR
Antistatic Translucent Type	HOSCE	—	HOSCER

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

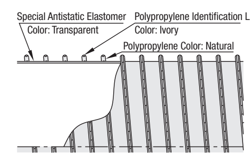


Construction Diagram

HOSCD



HOSCE



Part Number Type		Nom. Dia.	Hose Length 0.1 m Inc.	D	Hose I.D. (Reference) (mm)	P	d	d_1	d_2	E_1	E_2	Allowable Bending Radius (mm)	Reference Mass (kg/m)	Allowable Pressure (Ambient Temp.) MPa (kgf/cm²)	Allowable Decomp. (Ambient Temp.) kPa (mmHg)
Translucent Duct Hoses HOSCD (Hose Body) HOSCDK (One End Cuff) HOSCDR (Both Ends Cuff)	Antistatic Translucent Duct Hoses HOSCE (Hose Body) HOSCER (Both Ends Cuff)	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	0.03 (0.3)	-33.0 (-248)
		100		111.5	101.6	15.0	119	108.6	101.6	110	42	110	0.64		-17.5 (-131)
		125	0.5–20.0	138.5	127.0	21.0	146.3	135	128	142	50	135	0.81	0.02 (0.2)	-12.5 (-94)
		150		164.0	152.4	20.0	173.3	160	152	159	70	160	1.06		

Specifications

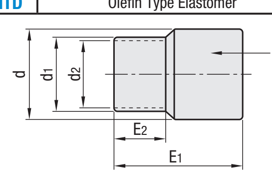
Type	HOSDY	HOSCD_ HOSCE_
Usage	Suction and exhaust emission of oil mist Suction and Exhaust	For air supply and exhaust (Air)
Operating Temp. Range (°C)	-10~50	-20~50
Allowable Pressure Range (MPa)	Below ambient temperature: 0~0.04 Above ambient temperature: 0~0.02	

Part Number Example

Part Number	-	Hose Length
HOSDY100	-	5.5
HOSCD50	-	3.2

Cuff for Duct Hoses

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



The inside has been machined to match the helical thread of the duct, which corresponds to the nominal value.

Part Number Type	Nominal
DHED (For Lightweight Duct Hoses) DHSD (For Flexible Duct Hoses) DHHD (For Friction Resistant and Antistatic Duct Hoses) DHTD (For Translucent Duct Hoses)	38
	50
	65
	75
	90
	100
	125
	150

Part Number Example

Part Number
DHSD50

Part Number Type	Nominal	DHED d	DHED d_1	DHED d_2	DHED E_1	DHED E_2	DHSD d	DHSD d_1	DHSD d_2	DHSD E_1	DHSD E_2	DHHD d	DHHD d_1	DHHD d_2	DHHD E_1	DHHD E_2	DHTD d	DHTD d_1	DHTD d_2	DHTD E_1	DHTD E_2
DHED (For Lightweight Duct Hoses) DHSD (For Flexible Duct Hoses) DHHD (For Friction Resistant and Antistatic Duct Hoses) DHTD (For Translucent 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	—	—	—	—	—
	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	—	—	—	—	—
	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
	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

Piping Parts for Duct Hoses

Mounting Flanges / Hood Cover with Flange / Elbows

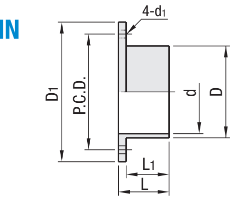
Mounting Flanges – Economy

RoHS10

Type	Type: For Duct Hoses	Type: For Alum. Duct Hoses	Material	Surface Treatment
Economy Type	HOFMN	—	Polycarbonate, ABS Resin (Glass Fiber Reinforced)	—
Standard Type	HOFM	HOAFM	1018 Carbon Steel or Equivalent	Acrylic Baking Finish
	HOFS	HOAFS	304 Stainless Steel	

Temperature resistance for HOFMN is 80°C.

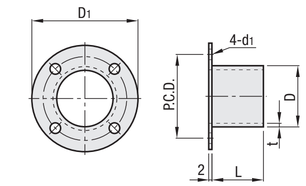
HOFMN



Mounting Flanges – Standard

RoHS10

HOFM HOFS
HOAFM HOAFS



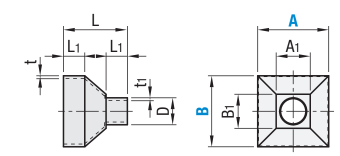
Part Number Type	Nominal Dia.	D	L	D_1	P.C.D.	d_1	t	Available Types HOFMN	HOFM	HOFS
For Duct Hoses Economy HOFMN	38	38	32	66	52	6.6	3	•	—	—
	50	50.8	39	79	65			•	—	—
	65	63.5	50	91.5	77.5			•	—	—
	75	76.3	57	111	94	9		•	—	—
For Duct Hoses Standard HOFM HOFS	38	38	28	66	52	6.6	1.2	—	•	•
	50	50.8	35	79	65		1.5	—	•	•
	65	63.5	46	91.5	77.5		2	—	•	•
	75	76.3	53	111	94	9		—	•	•
	90	89.1	63	123	106			—	•	•
	100	101.6	70	136	119			—	•	•
	125	127	84	162	144	11		—	•	—
	150	152.4	101	188	170			—	•	—

Part Number Type	Nominal Dia.	D	L	D_1	P.C.D.	d_1	t
For Aluminum Duct Hoses HOAFM HOAFS	38	38	28	66	52	6.6	1.2
	50	48.6	35	79	65		1.5
	65	63.5	46	91.5	77.5		2
	75	75	53	111	94	9	
	100	98	70	136	119		
	113	112	75	152	134		
	125	124	80	168	148	11	
	150	149	90	193	173		

Hood Cover with Flange

RoHS10

Type For Duct Hoses	Material
HOSYS	304 Stainless Steel

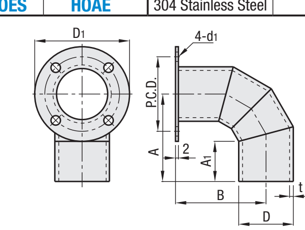


Part Number Type	Nom. Dia.	A	B	D	A_1	B_1	t	t_1	L	L_1
For Duct Hoses HOSYS	38	50	100	38	50	48	1.2	1.2	90	30
		100	100		48					
	50	75	100	50.8	61	61	1.5	1.5		
		100	100							
		100	150							
	65	100	150	63.5	74	74		2.0	120	40
		150	150							
		150	200							
	75	150	200	76.3	86	86				
		200	200							
	100	200	200	101.6	112	112				
		200	300						150	

Elbows for Duct Hose

RoHS10

Type For Duct Hoses	Type For Aluminum Duct Hoses	Material	Surface Treatment
HOEM	HOAEM	1018 Carbon Steel or Equivalent	Acrylic Baking Finish
HOES	HOAE	304 Stainless Steel	—



Part Number Type	Nom. Dia.	D	A	A_1	B	D_1	P.C.D.	d_1	t
For Duct Hoses HOEM HOES	38	38	61	28	63	66	52	6.6	1.2
	50	50.8	78	35	82	79	65		1.5
	65	63.5	90	35	89	91.5	77.5		2
	75	76.3	100	35	94	111	94	9	
	100	101.6	130	45	124	136	119		
	125	127	149	55	151	162	144		
	150	152.4	174	60	176	188	170		

Part Number Type	Nom. Dia.	D	A	A_1	B	D_1	P.C.D.	d_1	t
For Aluminum Duct Hoses HOAEM HOAE	38	38	61	28	63	66	52	6.6	1.2
	50	48.6	78	35	82	79	65		1.5
	65	63.5	90	35	89	91.5	77.5		2
	75	75	100	35	94	111	94	9	
	100	98	130	45	124	136	119		
	113	112	138	50	140	152	134		
	125	124	149	55	151	168	148		
	150	149	174	60	176	193	173		

Specifications

Operating Temperature Range: 0–160°C

Part Number Example

Part Number	-	A	-	B
HOAFM65				
HOFM38				
HOSYS50	-	100	-	100

Application Example