

Duct Hoses

Lightweight / Swivel Type

Duct Hoses – Lightweight Type

Flexible Type

Construction Diagram

Lightweight Type

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

Flexible Type

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

Part Number	Type	Nominal	Hose Length 0.1 m Increment	D	Hose I.D. (Reference) (mm)	P	d	d ₁	d ₂	E ₁	E ₂	Allowable Bending Radius (mm)	Reference Mass (kg/m)
38	Lightweight Type HOSEE (Hose Body) HOSEK (One End Cuff) HOSEER (Both Ends Cuff)	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	56.3	56.3	50.8	82	35	50	0.59	
65		72		62.4	12	69	69	63	86	33	65	0.655	
75		0.5–30.0	75	86.4	76.4	13	83.2	83.2	76.2	94	37	75	0.785
90			99.5	88.9	13.5	96.9	96.9	89.2	99	40	90	0.95	
100			112.2	101.6	15	109.6	109.6	101.6	110	42	100	1.03	
125	0.5–20.0	125	138.7	125.9	21	135	135	128	142	50	125	1.355	
150		164.8	152.4	20	160	160	152	160	70	150	1.68		

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

Part Number	Type	Nominal	Hose Length 0.1 m Increment	D	Hose I.D. (Reference) (mm)	P	d	d ₁	d ₂	E ₁	E ₂	Allowable Bending Radius (mm)	Reference Mass (kg/m)
38	Flexible Type HOSSD (Hose Body) HOSSDK (One End Cuff) HOSSDR (Both Ends Cuff)	38	0.5–5.0 <small>*Length with hose extended.</small>	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	
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	
150		158.0		145.0	22.5	166.0	160.4	152.4	113	50	120	0.725	

ⓘ Hose length refers to the length when the hose is stretched without tensile load.

Duct Hoses – Swivel Type

Construction Diagram

Material:
Hose Body: Flexible PVC

Part Number	Type	Nominal	Hose Length 0.1 m Increment	D	Hose I.D. (Reference) (mm)	P (Contracted State)	Allowable Bending Radius (mm)	Reference Mass (kg/m)
75	HOSKK (Hose Body)	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	

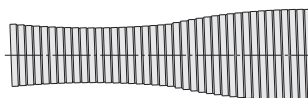
Specifications

Usage	For blast and exhaust / spot cooler
Allowable Pressure Range (MPa (kgf/cm ²))	Below ambient temperature: 0–0.001 Above ambient temperature: 0–0.0005

Part Number Example
HOSKE50 - 3.2

Features

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



Duct Hoses

Flexible / Friction Resistant Antistatic Type

Duct Hoses – Friction Resistant, Antistatic

Construction Diagram

Material:
Hose Body: Polypropylene – Conductive EPDM Synthetic Rubber
Cuff: EPDM Synthetic Rubber (Black)

Part Number	Type	Nominal	Hose Length 0.1 m Increment	D	Hose Inner Dia. (Reference) (mm)	P	d	d ₁	d ₂	E ₁	E ₂	Allowable Bending Radius (mm)	Reference Mass (kg/m)
38	HOSH (Hose Body) HOSHDK (One End Cuff) HOSHDR (Both Ends Cuff)	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	23	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	
100		113.0		101.6	15.0	118.3	110.0	102.0	111	43	100	0.945	
125	0.5–20.0	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		

Specifications

Usage	Transfer of powder, grains, iron powder, paper scraps, wooden powder, etc. For heat resistant air blowers.
Operating Temp. Range (°C)	-30–80
Allowable Pressure Range (MPa (kgf/cm ²))	Below ambient temperature: 0–0.03 (0–0.3) Above ambient temperature: 0–0.01 (0–0.1)
Allowable Decompression (kPa(mmHg))	-13.0–-40.0 (-98–-300) (Ambient Temperature)

Features

- Excels in cold, heat and friction resistance.
 - Excellent antistatic effect. (Volume Resistivity/105Ω-cm or less)
- 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 normal temperature.
- Above range is for Hose Body only. Use data as reference.

Part Number Example
HOSHDR50 - 3.2