



QINGDAO KINGDAFLEX INDUSTRIAL CO.,LTD

MAKING THE TRANSMISSION MORE POWERFUL



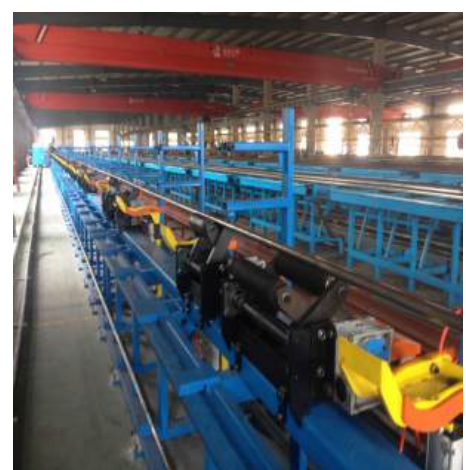
About Us

Kingdaflex is a professional manufacturer & exporter of industrial hose and rubber hose in China. Since the establishment, we have controlled and inspected raw materials strictly to ensure the quality.


Meanwhile, we are continuing to refine our manufacturing and processing systems to achieve customers' requirements all the time.

With stable quality, timely delivery and competitive prices, our products are widely used in construction machinery and equipment, coal mining and power transmission industry in more than 30 countries.

We sincerely welcome friends from all over the world to visit us and cooperate with us!



Industrial Hose

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OXYGEN HOSE



Tube: SBR blended, black, smooth

Reinforcement: High tensile textile cords

Cover: Blue EPDM/SBR blended, weather and ozone resistant

Applications: For conveying welding gases

Temperature: -30°C + 80°C

Oxygen Hose

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.15
8	5/16	15	20	300	60	900	50	0.18
9	23/64	16	20	300	60	900	55	0.20
10	3/8	17	20	300	60	900	60	0.21

ACETYLENE HOSE



Tube: SBR blended, black, smooth

Reinforcement: High tensile textile cords

Cover: Red EPDM/SBR blended, weather and ozone resistant

Applications: For conveying welding gas

Temperature: -30°C + 80°C

Acetylene Hose

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.15
8	5/16	15	20	300	60	900	50	0.18
9	23/64	16	20	300	60	900	55	0.20
10	3/8	17	20	300	60	900	60	0.21

LPG HOSE



Tube: NBR, black, smooth

Reinforcement: High tensile textile cords

Cover: Orange EPDM/SBR blended, weather and ozone resistant

Application: for the conveyance of liquid gas, home burner system, oil-resistant

Temperature: -40 °C to ~+90 °C

LPG Hose

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.15
8	5/16	15	20	300	60	900	50	0.18
9	23/64	16	20	300	60	900	55	0.20
10	3/8	17	20	300	60	900	60	0.21

TWIN LINE HOSE



Tube: SBR blended, black, smooth

Reinforcement: high tensile textile cords

Cover: EPDM/SBR blended, blue/green + red, smooth weather ozone, abrasion-resistant

Application: For conveying welding gases

Temperature: -30°C + 80°C

Twin Line Hose

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.30
8	5/16	15	20	300	60	900	50	0.36
9	23/64	16	20	300	60	900	55	0.40
10	3/8	17	20	300	60	900	60	0.42

SMOOTH AIR/WATER HOSE



Tube: SBR blended, black, smooth

Reinforcement: High tensile textile cords

Cover: EPDM/SBR blended, smooth, black, red, or yellow, weather and ozone resistant

Applications: wide range of services in general industrial service, air, and water delivery.

Temperature: -30°C + 80°C

Smooth Air / Water Hose

Hose I.D.		Hose O.D.	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.15
8	5/16	15	20	300	60	900	50	0.18
10	3/8	16	20	300	60	900	60	0.21
13	1/2	21	20	300	60	900	70	0.30
16	5/8	25	20	300	60	900	80	0.40
19	3/4	29	20	300	60	900	110	0.47
25	1	36	20	300	60	900	130	0.64

Smooth Oil | Fuel Hose



Tube: NBR synthetic rubber, black, smooth

Reinforcement: high tensile textile cords

Cover: black Neoprene rubber, smooth, oil, ozone, weather, abrasion resistant

Applications: widely use in fuel systems like gasoline, diesel fuel and oil related industrials, etc.

Temperature: -30°C + 80°C

Smooth Oil / Fuel Hose

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.14
8	5/16	15	20	300	60	900	50	0.17
10	3/8	17	20	300	60	900	60	0.21
13	1/2	21	20	300	60	900	70	0.30
16	5/8	25	20	300	60	900	80	0.39
19	3/4	29	20	300	60	900	110	0.51
25	1	36	20	300	60	900	130	0.71

Multi-purpose Hose



Tube: NBR synthetic rubber, black, smooth

Reinforcement: High tensile textile cords

Cover: EPDM/SBR blended, smooth, black or red, weather and ozone resistant

Applications: Widely used in fuel systems like gasoline, diesel fuel, and oil-related industrials, etc.

Temperature: -30°C + 80°C

Mutil-purpose Hose

Hose I.D.		Hose O.D.	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.14
8	5/16	15	20	300	60	900	50	0.17
10	3/8	17	20	300	60	900	60	0.21
13	1/2	21	20	300	60	900	70	0.30
16	5/8	25	20	300	60	900	80	0.39
19	3/4	29	20	300	60	900	110	0.51
25	1	36	20	300	60	900	130	0.71

Wrapped Air | Water Hose



Tube: SBR blended, black, smooth

Reinforcement: High tensile textile cords

Cover: EPDM/SBR blended, wrapped, black, red, or yellow, weather and ozone resistant

Applications: wide range services in general industrial services, air, and water delivery.

Temperature: -30°C + 80°C

Wrapped Air / Water Hose

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	Inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.15
8	5/16	15	20	300	60	900	50	0.18
10	3/8	17	20	300	60	900	55	0.21
13	1/2	21	20	300	60	900	60	0.37
16	5/8	24	20	300	60	900	80	0.45
19	3/4	29	20	300	60	900	110	0.54
25	1	35	20	300	60	900	130	0.68
32	1 1/4	44	20	300	60	900	230	1.06
38	1 1/2	50	20	300	60	900	270	1.24
51	2	65	20	300	60	900	400	1.63

Wrapped Oil | Fuel Hose



Tube: NBR synthetic rubber, black, smooth

Reinforcement: High tensile textile cords

Cover: black Neoprene rubber, wrapped, oil, ozone, weather, abrasion-resistant

Applications: Widely used in fuel systems like gasoline, diesel fuel, and oil-related industrials, etc.

Temperature: -30°C + 80°C

Wrapped Oil / Fuel Hose

Hose I.D.		Hose O.D.	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.17
8	5/16	15	20	300	60	900	50	0.25
10	3/8	17	20	300	60	900	55	0.29
13	1/2	21	20	300	60	900	60	0.42
16	5/8	24	20	300	60	900	80	0.48
19	3/4	29	20	300	60	900	110	0.60
25	1	35	20	300	60	900	130	0.83
32	1 1/4	44	20	300	60	900	230	0.94
38	1 1/2	50	20	300	60	900	270	1.08
51	2	65	20	300	60	900	400	1.80

Sandblast Hose



Tube: Black conductive NR, abrasion-resistant

Reinforcement: High tensile textile cords

Cover: Black conductive SBR/NR, abrasion and ozone resistant

Applications: Suitably designed long-lasting heavy-duty hose for use in sand, metal grits and foundry waste with conductive rubber compound to ensure static electricity dissipation abrasion loss of the tube according to ISO 4649: 50+5mm3

Temperature: -30°C + 80°C

Sandblast Hose

Hose I.D.		Hose O.D.	Working Pressure		Burst Pressure		Weight
mm	Inch	mm	bar	psi	bar	psi	kg/m
13	1/2	26	10/12	150/180	30/36	450/540	0.63
16	5/8	29	10/12	150/180	30/36	450/540	0.68
19	3/4	32	10/12	150/180	30/36	450/540	0.75
25	1	39	10/12	150/180	30/36	450/540	1.13
32	1 1/4	48	10/12	150/180	30/36	450/540	1.30
38	1 1/2	56	10/12	150/180	30/36	450/540	1.73
45	1 3/4	63	10/12	150/180	30/36	450/540	1.98
51	2	69	10/12	150/180	30/36	450/540	2.20
64	2 1/2	82	10/12	150/180	30/36	450/540	2.70

Suction & Discharge Water Hose



Tube: Black synthetic rubber

Reinforcement: Plies of synthetic cords with helix wire

Cover: Black synthetic rubber, wrapped type, abrasion, and weather-resistant

Temperature: -30°C ~ +80°C

Application: Mandrel built heavy-duty suction and discharge hose for the handling of water, inert fluid, sewerage, and waste water, where optimum flexibility is required.

Suction & Discharge Water Hose

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Weight
mm	inch	mm	bar	psi	bar	psi	kg/m
25	1	35	10	150	30	450	0.80
32	1 1/4	42	10	150	30	450	0.95
38	1 1/2	48	10	150	30	450	1.15
51	2	61	10	150	30	450	1.50
64	2 1/2	75	10	150	30	450	1.95
76	3	88	10	150	30	450	2.40
89	3 1/2	102	10	150	30	450	2.90
102	4	114	10	150	30	450	3.30
127	5	141	10	150	30	450	5.20
152	6	166	10	150	30	450	6.70
203	8	221	10	150	30	450	11.20
254	10	272	10	150	30	450	15.80

Suction & Discharge Oil Hose



Tube: Black synthetic rubber

Reinforcement: Plies of synthetic cords with helix wire and cross anti-static copper wire

Cover: Black synthetic rubber, wrapped type, abrasion, and weather-resistant

Temperature: -30 °C ~ +80 °C

Application: Mandrel built heavy-duty oil suction and discharge hose for handling grades of gasoline or petroleum oils of aromatic content upto 50% from tank truck, in dispensing station etc, during winter/summer seasons and withstands full vacuum

Suction & Discharge Oil Hose

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Weight
mm	inch	mm	bar	psi	bar	psi	kg/m
25	1	35	10	150	30	450	0.80
32	1 1/4	42	10	150	30	450	0.95
38	1 1/2	48	10	150	30	450	1.15
51	2	61	10	150	30	450	1.50
64	2 1/2	75	10	150	30	450	1.95
76	3	88	10	150	30	450	2.40
89	3 1/2	102	10	150	30	450	2.90
102	4	114	10	150	30	450	3.30
127	5	141	10	150	30	450	5.20
152	6	166	10	150	30	450	6.70
203	8	221	10	150	30	450	11.20
254	10	272	10	150	30	450	15.80

Corrugated Suction & Discharge Hose



Tube: Black blended rubber

Reinforcement: High tensile textile cords with embedded steel helix wire

Cover: Black corrugated abrasion and weather resistant synthetic blend

Application: water/oil suction and delivery, used in construction industries & agriculture

Temperature: -30°C + 80°C

Corrugated Suction & Discharge Hose

Hose I.D.		Hose O.D.	Working Pressure		Burst Pressure	
mm	inch	mm	bar	psi	bar	psi
25	1	34	10	150	30	450
32	1 1/4	42	10	150	30	450
38	1 1/2	48	10	150	30	450
51	2	62	10	150	30	450
64	2 1/2	74	10	150	30	450
76	3	88	10	150	30	450
89	3 1/2	103	10	150	30	450
102	4	116	10	150	30	450
127	5	142	10	150	30	450
152	6	168	10	150	30	450
203	8	223	10	150	30	450
254	10	280	10	150	30	450

Peristaltic Pump Hose



Peristaltic tubing is fitted in a peristaltic pump – there the rotor with a number of rollers or shoes compresses the tubing and forces liquid or semi-liquid substances to move. Peristaltic pump tubing is made of extremely flexible rubber (natural rubber, NBR, CSM, EPDM, silicone, and others), resistant to compression, friction, and with an adequate level of chemical resistance. They may be textile-reinforced.

Tube: Black rubber compound

Reinforcement: Multiple heavy-duty synthetic cords

Cover: Black, synthetic rubber, wrapped finished

Temperature: -40°C to +100°C

Application: The peristaltic pump hoses are specifically engineered for application on peristaltic pumps, it is designed and manufactured for long operational

life and minimized cost. The peristaltic pump hoses are suitable to convey various fluids.

Peristaltic Pump Hose

Ø Interior	Ø Exterior	Nº reinforcing lays	Exterior Ø tolerances	Lenght	Working pressure
mm	mm	lay	mm	mm	bar
10	32	2	31/32	830	8
15	37	2	36/37	830	8
20	37	2	36/37	780	8
25	54	4	53/54	1090	16
32	63	4	61/63	1300	16
38	63	4	61/63	1300	16
40	67	4	66/67	1500	16
50	81	4	80/81	1820	16
65	100	4	99/100	2335	16
80	115	4	114/115	2400	16
80	121	4	120/121	2910	20
100	145	6	144/145	3410	20
125	168	6	167/168	4000	20

Concrete Pump Hose



Tube: NR/SBR rubber compound

Reinforcement: Multiply synthetic fabric or steel wire braided

Cover: Black smooth cloth impression, NR/SBR rubber compound

Temperature: -40°C to +70°C

Application: For conveying highly abrasive medium such as concrete, cement, and plaster. Long service life due to the abrasion-resistant tube.

Concrete Pump Hose

Hose I.D		Hose O.D	Working pressure	Burst pressure	Bend radius	Weight
inch	mm	mm	bar	bar	mm	Kg/m
2'	51	68	85	200	200	2.80
2.5'	64	85	85	200	250	4.30
3'	76	102	85	200	270	6.00
3.5'	89	116	85	200	290	7.50
4'	102	130	85	200	300	9.10
4.5'	114	143	85	200	320	10.50
5'	127	158	85	200	360	12.80
6'	152	186	85	200	570	17.00

Slurry | Mud Hose



Tube: Ultra high quality blended rubber tube

Reinforcement: Multiple layers of high tensile synthetic cords cover an extra heavy-duty wire helix.

Cover: Black corrugated abrasion and weather resistant synthetic blend

Temperature: -40°C to +80°C

Application: Slurry hoses are designed primarily for handling abrasive and viscous slurries from mines and quarries. They can also be used for handling dry materials such as sand, gravel, and grains. The external bolt on the flanges allows for easy installation and uninterrupted free flow.

Slurry / Mud Hose

Inside Diameter		WP	Length
inch	mm	bar	m
8	200	15bar~20bar	11.8m
10	250	15bar~20bar	11.8m
12	300	15bar~20bar	11.8m
16	400	15bar~20bar	11.8m
20	500	15bar~20bar	11.8m
24	600	15bar~20bar	11.8m
26	650	15bar~20bar	11.8m
30	750	15bar~20bar	11.8m
32	800	15bar~20bar	11.8m
34	850	15bar~20bar	11.8m

Dredging Hose



Tube: Synthetic abrasive resistant rubber with high strength breaker plies coated with high-grade synthetic rubber to achieve maximum adhesion of the lining to the hose carcass.

Reinforcement: Multiple layers of high tensile reinforcing materials with outstanding resistance to fatigue. Fully embedded steel wire coils are incorporated to achieve kink, crush, and local load resistance.

Cover: Synthetic rubber, resistant to abrasion, weathering, seawater, and oil. The cover, which incorporates reinforcing breaker plies is black with a bright orange spiral stripe or coated in a tough bright orange polyurethane.

Temperature: -25 °C to 80 °C

Dredging Hose

Size	I. D.	W.P.	Tube Thickness \geq mm	Cover Thickness \geq mm	Length
12inch	300mm	10bar~35bar	10	4	1m~11.8m
16inch	400mm	10bar~35bar	12	5	1m~11.8m
20inch	500mm	10bar~35bar	12	5	1m~11.8m
24inch	600mm	10bar~35bar	20	5	1m~11.8m
26inch	650mm	10bar~35bar	25	5	1m~11.8m
30inch	750mm	10bar~35bar	30	6	1m~11.8m
32inch	800mm	10bar~35bar	32	6	1m~11.8m
34inch	850mm	10bar~35bar	32	6	1m~11.8m

Floating Hose



Application: Used for port, dock, discharge seawater, silt, sand, flood, oil etc. Particularly suited to the work of large storm water construction.

Temperature: From -20°C to 80°C

Floating Hose

Hose I.D		Working pressure		Bursting pressure		Vacuum pressure		Adhesive Strength	Abrasion value	Length
mm	inch	Mpa	bar	Mpa	bar	Kpa	bar	KN/m	cm ³	m
254	10	1.5	15	4.5	45	80	0.8	≥4	≤0.4	11.8
304	12	1.5	15	4.5	45	80	0.8	≥4	≤0.4	11.8
350	14	1.5	15	4.5	45	80	0.8	≥4	≤0.4	11.8
400	16	1.5	15	4.5	45	80	0.8	≥4	≤0.4	11.8
450	18	1.5	15	4.5	45	80	0.8	≥4	≤0.4	11.8
500	20	1.5	15	4.5	45	80	0.8	≥4	≤0.4	11.8
550	22	1.5	15	4.5	45	80	0.8	≥4	≤0.4	11.8
600	24	2	20	6	60	80	0.8	≥4	≤0.4	11.8
800	32	2	20	6	60	80	0.8	≥4	≤0.4	11.8
850	34	2	20	6	60	80	0.8	≥4	≤0.4	11.8
900	36	2	20	6	60	80	0.8	≥4	≤0.4	11.8
1000	40	2	20	6	60	80	0.8	≥4	≤0.4	11.8
1200	48	2	20	6	60	80	0.8	≥4	≤0.4	11.8
1300	52	2	20	6	60	80	0.8	≥4	≤0.4	11.8

Food Hose



Tube: White, smooth, NBR food quality rubber.

Reinforcement: High-strength synthetic cord and helix wire.

Cover: Smooth(wrapped finish), synthetic rubber, weathering resistant

Temperature: -20°C to 80°C

Application: FDA-approved food hose designed for the delivery of fatty foods such as milk, edible oil, daily products, etc.

Food Hose

Inside Diameter		Outside Diameter	Working Pressure		Burst Pressure		Nominal Weight	Bending Radius	Length
inch	mm	mm	bar	psi	bar	psi	kg/m	mm	m
3/4	19	31	10	150	30	450	0.67	200	40
1	25	36	10	150	30	450	0.84	250	40
1-1/4	32	45	10	150	30	450	1.20	250	40
1 1/2	38	52	10	150	30	450	1.52	250	40
2	51	65	10	150	30	450	1.96	300	40
2-1/2	64	78	10	150	30	450	2.95	400	40
3	76	91	10	150	30	450	3.44	400	40
4	102	120	10	150	30	450	5.06	500	40
6	152	172	10	150	30	450	8.84	600	20

Chemical Hose



Tube: White, smooth, Ultra High Molecular Weight Polyethylene (UHMWPE)

Reinforcement: High-strength synthetic cord and helix wire.

Cover: Blue, smooth(wrapped finish), EPDM rubber, resistant to chemicals, weathering, and ozone.

Temperature: -40 °C to +120 °C

Application: Softwall hose designed with ultra-high molecular weight polyethylene tube, excellent in handling a wide range of chemicals, petroleum products, and oil.

Chemical Hose

Inside Diameter		Outside Diameter		Working Pressure		Burst Pressure		Bending Radius		Weight		Length	
mm	inch	mm	inch	PSI	bar	Psi	bar	inch	mm	Lbs/ft	kg/m	ft	m
25	1	38	1.4	150	10	450	30	10	254	0.63	10	196	60
32	1-1/4	45	1.7	150	10	450	30	13	330	0.84	1.25	196	60
38	1-1/2	51	1.9	150	10	450	30	15	381	0.99	1.47	196	60
50	2	64	2.5	150	10	450	30	20	508	1.29	1.92	196	60
64	2-1/2	76	3.07	150	10	450	30	25	635	1.69	2.51	196	60
76	3	83	3.5	150	10	450	30	30	762	1.95	2.90	196	60
102	4	118	4.7	150	10	450	30	40	1016	2.63	3.92	196	60
125	5	145	5.7	150	10	450	30	50	1270	4.7	6.99	196	60
152	6	174	6.85	150	10	450	30	60	1524	6.02	8.99	196	60

Expansion Joint



Nominal diameter: DN25mm to DN3000mm

Maximum working pressure: 2.5 Mpa

Vacuum: KPa(mmHg)44.9(350)

Working temperature: -15 - 115°C, special can reach -30~250°C

Application: Applicable media Sea water, drinking water, slurry, industrial sewage.

Expansion Joint

Nominal diameter (mm)	Length (mm)	Axial Compression	Axial Elongation	Lateral Movement	Angular movement
32	95/130/152	9	6	9	15°
40	95/130/152	10	6	9	15°
50	105/130/152	10	7	10	15°
65	115/130/152	13	7	11	15°
80	130/152	15	8	12	15°
100	130/152	19	10	13	15°
125	130/152/170	19	12	13	15°
150	130/152/180	20	12	14	15°
200	130/152/205	25	16	22	15°
250	130/203/240	25	16	22	15°
300	130/203/260	25	16	22	15°
350	203/265	25	16	22	15°
400	203/265	25	16	22	15°
450	203/265	25	16	22	15°
500	203/265	25	16	22	15°
600	265	25	16	22	15°

Floater



The hull of buoy floater is made from medium density polyethylene material with excellent flexibility, filled with high strength polyurethane foam inside. With reasonable structure and good performance, the float becomes the ideal substitution of the traditional steel floater for the floating dredging pipes.

Applications:

1. Used in dredging sand pipeline;
2. It can be used in dredger, dredging pipe etc. in the sea, lake or river;
3. Particular used in laying the pipes on the water used in dredger project.

Floater Pipe

Pipe I.D.	Pipe Thickness	Floater I.D.	Floater O.D.	Floater Length	Hull Thickness	Net Buoyance
mm	mm	mm	mm	mm	mm	kg
200	6	220	500	800	7	200
285	6	300	700	1200	7	420
350	6	375	1100	1100	7	920
400	8	414	1100	1200	8	1020
414	8	430	1200	1200	8	1200
450	8	480	1300	1300	8	1500
500	10	530	1400	1550	9	2219
550	10	580	1400	1600	10	2310
600	10	630	1400	1700	11	2400
650	10	680	1480	1800	11.5	2930
700	12	730	1600	1900	12	3593
750	12	780	1600	2000	13	3800
800	15	830	1800	2000	14	4800
850	15	880	1800	2200	15	5140
900	18	940	2200	2500	16	8180

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