

KELONG
NEW MATERIALS

HYDRAULIC
HOSE





COMPANY PROFILE



Shaanxi Kelong New Material Technology Co., Ltd. was established in 1996, formerly known as Xianyang Kelong Rubber Products Research Institute. It is a high-tech enterprise integrating R&D, production and sales. Its main products are three categories: Sealing kit products, hydraulic hoses and assemblies, and coal mine underground transportation vehicles. The products produced have been widely used in coal mining, aerospace, high-speed rail, engineering machinery, wind power and other fields. The high-quality products and first-class services are highly trusted by domestic and foreign customers.

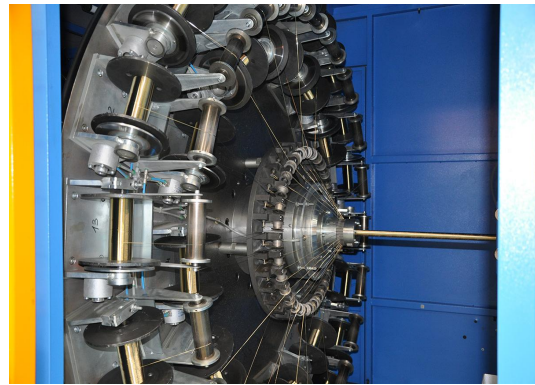
Since its establishment, the company has made unremitting efforts to update and improve its products, learn from others' strengths, and innovate and develop. It was the first in the industry to pass the three-system certification and the national intellectual property management system certification, and was awarded honors such as high-tech enterprise, provincial "specialized, special and new" enterprise, and provincial technological innovation demonstration enterprise. At present, the

company has three independent production lines: combined seal kit product line, hydraulic hose series product line, and coal mining vehicle product line. The company has total assets of 720 million yuan, an annual output value of 400 million yuan, and more than 500 employees, including 180 engineering and technical personnel. Kelong has its own independent R&D center that can support OEM and ODM projects, and its annual R&D investment accounts for the total revenue of the year of more than 7%. Now it has 15 scientific and technological achievements, 8 invention patents and 36 patents.

At present, the main markets of our products are Asia, North America, Western Europe, Oceania and other regions. At the same time, we also have various ISO system certifications and IRI certificates.

We have always taken technological innovation and improving the technological content of our products as our mission, and strive to keep our technology and products at the forefront of the industry. We look forward to cooperating with you.

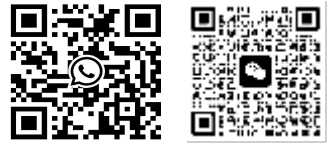




Our company's high-pressure hose series products adopt complete Italian high-pressure hose production line equipment, and adopt leading technology and formula technology. We have obtained multiple invention patents and utility model patents from the State Intellectual Property Office, and obtained 2 provincial-level scientific and technological achievement registrations.

The main product is the main component for high-pressure liquid transportation and liquid power transmission. It has the advantages of high pressure bearing, good pulse, oil resistance, and aging resistance. It fully meets the needs of high-end hose users such as coal mining machinery and equipment manufacturing.

Our main products include High-pressure steel wire braided hydraulic hoses, Ultra-high pressure steel wire spiral hydraulic hoses, hydraulic hose assemblies, etc., are designed and manufactured to meet and exceed GB, SAE, ISOEN and JIS industry standards.



Ozone Test Machine



Heat Aging Test Cham



Water Hammer Wave Impulse Tester



Vacuum Testing Machine



Oil Pulse Testing Machine



Kelong New Materials has its own testing center with more than 20 testing laboratories including impulse testing laboratory, burst test laboratory, fire resistance laboratory, salt spray laboratory, etc. to ensure that the quality of each hydraulic hose can meet industry standards and requirements.

At the same time, we have independent research and development capabilities and can meet customers' OEM and ODM needs.

The technical engineers in Cologne's product application department have received professional training and have rich product knowledge and application experience. Customers are provided with a complete and professional piping system solution, including consultation on piping system design, advice to processing and manufacturing departments, and guidance on on-site installation. The services provided by a complete technical support team can enable your project to be completed in a shorter time.

We have been working hard to improve the service capabilities of the pipeline system and strive to provide the best service to our customers!



Wire Braid Hydraulic Hose

KS1701(SAE100 R1)

Wire Braid Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: One plies of braids of high tensile super flexible steel wire

Outerlayer: Black oil and weather resistant synthetic rubber

Temperature Range: -40℃ ~ +100℃ (-40°F ~ +212°F)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.

Model No.	Size			I.D		W.D		O.D			Working pressure		Min burst pressure		Min bending radius		Weight
								A	AT	Max							
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Inch	mm	Kg/m
KS1701-03	5	3/16	-3	4.6	5.4	8.9	10.1	11.9	13.5	12.5	21.0	3045	84.0	12180	3.45	90	0.20
KS1701-04	6	1/4	-4	6.2	7.0	10.6	11.7	15.1	16.7	14.1	19.2	2780	77.0	11165	3.94	100	0.25
KS1701-05	8	5/16	-5	7.7	8.5	12.1	13.3	16.7	18.3	15.7	17.5	2540	70.0	10150	4.53	115	0.31
KS1701-06	10	3/8	-6	9.3	10.1	14.5	15.7	19.0	20.6	18.1	15.7	2280	63.0	9135	4.92	130	0.36
KS1701-08	12.5	1/2	-8	12.3	13.5	17.5	19.0	22.2	23.8	21.5	14.0	2030	56.0	8120	7.09	180	0.45
KS1701-10	16	5/8	-10	15.5	16.7	20.6	22.2	25.4	27.0	24.7	10.5	1520	42.0	6090	8.07	200	0.52
KS1701-12	19	3/4	-12	18.6	19.8	24.6	26.2	29.4	31.0	28.6	8.7	1260	35.0	5075	9.45	240	0.65
KS1701-16	25	1	-16	25.0	26.4	32.5	34.1	36.9	39.3	36.6	7.0	1015	28.0	4060	11.81	300	0.91
KS1701-20	31.5	1-1/4	-20	31.4	33.0	39.3	41.7	44.4	47.6	44.8	4.3	620	17.5	2540	16.54	420	1.30
KS1701-24	38	1-1/2	-24	37.7	39.3	45.6	48.0	50.8	54.0	52.0	3.5	510	14.0	2030	19.69	500	1.70
KS1701-32	51	2	-32	50.4	52.0	58.7	61.9	65.1	68.3	65.9	2.6	380	10.5	1520	24.80	630	2.00

KS1702(SAE100 R2)

Wire Braid Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: Two plies of braids of high tensile super flexible steel wire

Outerlayer: Black oil and weather resistant synthetic rubber

Temperature Range: -40℃ ~ +100℃ (-40°F ~ +212°F)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.

Model No.	Size			I.D		W.D		O.D			Working pressure		Min burst pressure		Min bending radius		Weight
								A	AT	Max							
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Inch	mm	Kg/m
KS1702-03	5	3/16	-3	4.6	5.4	10.6	11.7	15.1	16.7	14.1	35.0	5075	140.0	20300	3.54	90	0.32
KS1702-04	6	1/4	-4	6.2	7.0	12.1	13.3	16.7	18.3	15.7	35.0	5075	140.0	20300	3.94	100	0.36
KS1702-05	8	5/16	-5	7.7	8.5	13.7	14.9	18.3	19.8	17.3	29.7	4310	119.0	17255	4.53	115	0.45
KS1702-06	10	3/8	-6	9.3	10.1	16.1	17.3	20.6	22.2	19.7	28.0	4060	112.0	16240	4.92	130	0.54
KS1702-08	12.5	1/2	-8	12.3	13.5	19.0	20.6	23.8	25.4	23.1	24.5	3550	98.0	14210	7.09	180	0.68
KS1702-10	16	5/8	-10	15.5	16.7	22.2	23.8	27.0	28.6	26.3	19.2	2780	77.0	11165	8.07	200	0.80
KS1702-12	19	3/4	-12	18.6	19.8	26.2	27.8	31.0	32.5	30.2	15.7	2280	63.0	9135	9.45	240	0.94
KS1702-16	25	1	-16	25.0	26.4	34.1	35.7	38.5	40.9	38.9	14.0	2030	56.0	8120	11.81	300	1.35
KS1702-20	31.5	1-1/4	-20	31.4	33.0	43.2	45.6	49.2	52.4	49.6	11.3	1640	45.5	6600	16.54	420	2.15
KS1702-24	38	1-1/2	-24	37.7	39.3	49.6	52.0	55.6	58.7	56.0	8.7	1260	35.0	5075	19.69	500	2.65
KS1702-32	51	2	-32	50.4	52.0	62.3	64.7	68.3	71.4	68.6	7.8	1130	31.5	4570	24.80	630	3.42
KS1702-40	52	3	-31	63.1	65.1	74.6	77.8	80.9	84.1	81.8	7.0	1015	28.0	4060	29.92	760	4.20

KS1705(SAE100 R5)

Wire Braid Covered With Fabric Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: One plies of braids of high tensile super flexible steel wire

Outerlayer: Woven polyester fiber

Temperature Range: -40℃ ~ +100℃ (-40°F ~ +212°F)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.

Hose code	Size			I.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	Kg/m
KS1705-03	5	3/16	-3	4.8	5.5	12.7	13.7	21.0	3045	84.0	12180	2.95	75	0.24
KS1705-04	6.3	1/4	-4	6.4	7.2	14.3	15.3	21.0	3045	84.0	12180	3.35	85	0.28
KS1705-05	8	5/16	-5	7.9	8.7	16.7	17.6	15.7	2270	63.0	9135	3.94	100	0.35
KS1705-06	11	13/32	-6	10.3	11.1	18.9	20.0	14.0	2030	56.0	8120	4.53	115	0.38
KS1705-08	12.5	1/2	-8	12.7	13.7	22.8	24	12.2	1770	49.0	7105	5.51	140	0.51
KS1705-10	16	5/8	-10	15.9	17.0	26.8	28	10.5	1520	42.0	6090	6.50	165	0.68
KS1705-16	22	7/8	-16	22.2	23.3	30.6	32.2	5.6	810	22.4	3250	7.28	185	0.70
KS1705-20	29	1-3/8	-20	28.6	29.8	37.3	38.9	4.3	620	17.5	2540	9.06	230	0.80
KS1705-24	35	1-1/4	-24	34.9	36.1	43.7	45.2	3.5	510	14.0	2030	10.43	265	0.93
KS1705-32	46	1-13/16	-32	46.0	47.2	55.2	57.6	2.4	350	9.8	1420	13.19	335	1.32
KS1705-40	60	2-3/8	-40	60.3	61.9	71.8	74.2	2.4	350	9.8	1420	24.02	610	2.96
KS1705-48	76	3	-48	76.2	77.8	89.3	91.7	1.4	200	5.6	810	33.07	840	4.10



KS1716(SAE100 R16)

Small High Pressure Wire Braided Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: One or two plies of braids of high tensile super flexible steel wire

Outerlayer: Black oil and weather resistant synthetic rubber

Temperature Range: -40℃ ~ +121℃ (-40°F ~ +250°F)

Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.



Hose code	Size			I.D		W.D	O.D	M.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Max	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	Kg/m
KS1716-04	6.3	1/4	-4	6.2	7.0	12.3	14.5	0.8	1.5	35.0	5075	140.0	20300	1.97	50	0.30
KS1716-05	8	5/16	-5	7.7	8.5	13.3	15.7	0.8	1.5	29.7	4305	119.0	17255	2.17	55	0.34
KS1716-06	10	3/8	-6	9.3	10.1	15.9	18.8	0.8	1.5	28.0	4060	112.0	16240	2.56	65	0.42
KS1716-08	12.5	1/2	-8	12.3	13.5	19.0	22.0	0.8	1.5	24.5	3550	98.0	14210	3.54	90	0.54
KS1716-10	16	5/8	-10	16	16.7	22.5	25.4	0.8	1.5	19.2	2780	77.0	11165	3.94	100	0.68
KS1716-12	19	3/4	-12	18.6	19.8	26.3	29.0	0.8	1.5	15.7	2275	63.0	9135	4.72	120	0.80
KS1716-16	25	1	-16	25.0	26.4	34.0	36.6	0.8	1.5	14.0	2030	56.0	8120	5.91	150	1.15
KS1716-20	32	1-1/4	-20	31.4	33.0	41.9	44.3	1.0	2.0	11.3	1635	45.5	6595	8.27	210	1.83

KS1717(SAE100 R17)

Maximum Working Pressure 21Mpa Small High Pressure Wire Braided Hydraulic

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: One or two plies of braids of high tensile super flexible steel wire

Outerlayer: Black oil and weather resistant synthetic rubber

Temperature Range: -40℃ ~ +121℃ (-40°F ~ +250°F)

Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.



Hose code	Size			I.D		W.D	O.D	Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Max	Max	Mpa	Psi	Mpa	Psi	Inch	mm	Kg/m
KS1717-04	6.3	1/4	-4	6.2	7.0	11.0	13.2	21.0	3045	84.0	12180	1.97	50	0.169
KS1716-05	8	5/16	-5	7.7	8.5	13.0	15.0	21.0	3045	84.0	12180	2.17	55	0.210
KS1716-06	10	3/8	-6	9.3	10.1	15.0	17.0	21.0	3045	84.0	12180	2.56	65	0.254
KS1716-08	12.5	1/2	-8	12.3	13.5	18.8	21.1	21.0	3045	84.0	12180	3.54	90	0.466
KS1716-10	16	5/8	-10	16	16.7	23.6	25.9	21.0	3045	84.0	12180	3.94	105	0.586
KS1716-12	19	3/4	-12	18.6	19.8	27.7	30.3	21.0	3045	84.0	12180	4.72	125	0.749
KS1716-16	25	1	-16	25.0	26.4	35.6	38.6	21.0	3045	84.0	12180	5.91	150	1.457

KE5311(EN853-1)

Wire Braid Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: One plies of braids of high tensile super flexible steel wire

Outerlayer: Black oil and weather resistant synthetic rubber

Temperature Range: -40℃ ~ +100℃ (-40°F ~ +212°F)

Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.



Hose code	Size			I.D		W.D		O.D			Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	1 ST		1 SN	Mpa	Psi	Mpa	Psi	Inch	mm	Kg/m
								Min	Max	Max							
KE5311-03	5	3/16	-3	4.9	5.4	9.0	10.0	11.9	13.5	12.5	25.0	3625	100.0	14500	3.54	90	0.20
KE5311-04	6	1/4	-4	6.4	7	10.6	11.6	15.1	16.7	14.1	22.5	3260	90.0	13050	3.94	100	0.25
KE5311-05	8	5/16	-5	7.9	8.5	12.1	13.3	16.7	18.3	15.7	21.5	3120	85.0	12325	4.53	115	0.31
KE5311-06	10	3/8	-6	9.5	10.1	14.5	15.7	19	20.6	18.1	18.0	2610	72.0	10440	5.12	130	0.36
KE5311-08	13	1/2	-8	12.7	13.5	17.5	19.1	22.2	23.8	21.4	16.0	2320	64.0	9280	7.09	180	0.45
KE5311-10	16	5/8	-10	15.8	16.7	20.6	22.2	25.4	27.0	24.5	13.0	1885	52.0	7540	7.87	200	0.52
KE5311-12	19	3/4	-12	18.8	19.8	24.6	26.2	29.4	31.0	28.5	10.5	1520	42.0	6090	9.45	240	0.65
KE5311-16	25	1	-16	25	26.4	32.5	34.1	36.9	39.3	36.6	8.8	1280	35.0	5075	11.81	300	0.91
KE5311-20	32	1-1/4	-20	31.8	33	39.3	41.7	44.4	47.6	44.8	6.3	910	25.0	3625	16.54	420	1.30
KE5311-24	38	1-1/2	-24	38.1	39.3	45.6	48.0	50.8	54	52	5.0	725	20.0	2900	19.69	500	1.70
KE5311-32	51	2	-32	50.6	52	58.7	61.7	65.1	68.3	65.5	4.0	580	16.0	2320	24.80	630	2.00



KE5322(EN853-2)

Wire Braid Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber
Reinforcement: Two plies of braids of high tensile super flexible steel wire
Outerlayer: Black oil and weather resistant synthetic rubber
Temperature Range: -40℃ ~ +100℃ (-40℉ ~ +212℉)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.

Hose code	Size			I.D		W.D		O.D			Working pressure		Min burst pressure		Min bending radius		Weight
								2 ST		2 SN							
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KE5322-03	5	3/16	-3	4.9	5.4	10.6	11.6	15.1	16.7	14.1	41.5	6020	165.0	23295	3.54	90	0.32
KE5322-04	6	1/4	-4	6.4	7	12.1	13.3	16.7	18.3	15.7	40.0	5800	160.0	23200	3.94	100	0.36
KE5322-05	8	5/16	-5	7.9	8.5	13.7	14.9	18.3	19.9	17.3	35.0	5075	140.0	20300	4.53	115	0.45
KE5322-06	10	3/8	-6	9.5	10.1	16.1	17.3	20.6	22.2	19.7	33.0	4785	132.0	19140	5.12	130	0.54
KE5322-08	13	1/2	-8	12.7	13.5	19.0	20.6	23.8	25.4	23.0	27.5	3990	110.0	15950	7.09	180	0.68
KE5322-10	16	5/8	-10	15.8	16.7	22.2	23.8	27.0	28.6	26.2	25.0	3625	100.0	14500	7.87	200	0.80
KE5322-12	19	3/4	-12	18.8	19.8	26.2	27.8	31.0	32.6	30.1	21.5	3120	85.0	12325	9.45	240	0.94
KE5322-16	25	1	-16	25	26.4	34.1	35.7	38.5	40.9	38.9	16.5	2390	65.0	9425	11.81	300	1.35
KE5322-20	32	1-1/4	-20	31.8	33	43.2	45.6	49.2	52.4	49.5	12.5	1810	50.0	7250	16.54	420	2.15
KE5322-24	38	1-1/2	-24	38.1	39.3	49.6	52.0	55.6	59	55.9	9.0	1305	36.0	5220	19.69	500	2.65
KE5322-32	51	2	-32	50.6	52	62.3	64.7	68.3	71.4	68.6	8.0	1160	32.0	4640	24.80	630	3.42



Wire Spiral Hydraulic Hose

KS1709(SAE100 R9)

Wire Spiral Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber
Reinforcement: Four plies of spiraled high tensile steel wire
Outerlayer: Black oil and weather resistant synthetic rubber
Temperature Range: -40℃ ~ +100℃ (-40℉ ~ +212℉)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.

Model No.	Size			I.D		W.D		O.D			Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KS1709-06	10	3/8	-6	9.3	10.1	16.9	18.0	20.6	22.2	21.1	31.5	4570	126.0	18270	4.92	125	0.70
KS1709-08	12.5	1/2	-8	12.3	13.5	19.4	21.0	23.8	25.4	24.3	28.0	4060	112.0	16240	7.09	180	0.83
KS1709-12	19	3/4	-12	18.6	19.8	26.6	28.2	30.6	32.2	31.9	21.0	3045	84.0	12180	9.45	240	1.30
KS1709-16	25	1	-16	25.0	26.4	34.5	36.1	38.5	40.9	40.5	21.0	3045	84.0	12180	11.81	300	1.70
KS1709-20	31.5	1/4	-20	31.4	33.0	43.3	45.6	49.2	52.4	50.7	17.5	2540	70.0	10150	16.54	420	3.08
KS1709-24	38	1-1/2	24	37.7	39.3	49.6	52.0	55.6	58.7	-	14.0	2030	56.0	8120	19.69	500	4.30
KS1709-32	51	2	-32	50.4	52.0	63.9	66.2	69.9	73.0	-	14.0	2030	56.0	8120	25.98	660	5.63

KS1710(SAE100 R10)

Wire Spiral Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber
Reinforcement: Four plies of spiraled high tensile steel wire
Outerlayer: Black oil and weather resistant synthetic rubber
Temperature Range: -40℃ ~ +100℃ (-40℉ ~ +212℉)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.

Model No.	Size			I.D		W.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KS1710-03	5	3/16	-3	4.6	5.4	14.3	15.9	18.3	19.8	70.0	10150	280	40600	3.94	100	0.61
KS1710-04	6.3	1/4	-4	6.2	7.0	15.8	17.4	19.8	21.4	61.0	8845	245	35525	4.92	125	0.73
KS1710-06	10	3/8	-6	9.3	10.1	19.0	20.6	23.0	24.6	52.5	7612	221	30450	5.91	150	0.82
KS1710-08	13	1/2	-8	12.5	13.7	23.0	24.6	27.0	28.6	43.5	6307	175	25375	7.87	200	0.96
KS1710-12	19	3/4	-12	19.0	20.2	30.9	32.5	35.7	37.3	35.0	5075	14	20300	11.02	280	1.65
KS1710-16	25	3/4	-16	25.4	27.0	38.9	40.5	43.3	45.6	28.0	4060	112	16240	14.17	360	2.30
KS1710-20	32	1-1/4	-20	31.8	33.4	44.8	47.2	49.2	52.4	21.0	3045	84	12180	18.11	460	3.25
KS1710-24	38	1-1/2	-24	38.1	39.7	51.1	53.6	55.6	58.7	17.5	2537	70	10150	22.05	560	3.95
KS1710-32	51	2	-32	50.8	52.6	64.6	67.1	69.1	72.1	17.5	2537	70	10150	27.95	710	4.95

KS1712(SAE100 R12)

Wire Spiral Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber
Reinforcement: Four plies of spiraled high tensile steel wire
Outerlayer: Black oil and weather resistant synthetic rubber
Temperature Range: -40℃ ~ +121℃ (-40℉ ~ +250℉)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil under harsh working conditions.

Model No.	Size			I.D		W.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KS1712-06	10	3/8	-6	9.3	10.1	16.6	17.8	19.5	21.0	28.0	4060	112	16240	4.92	125	0.70
KS1712-08	12.5	1/2	-8	12.3	13.5	19.9	21.5	23.0	24.6	28.0	4060	112	16240	7.09	180	0.83
KS1712-10	16	5/8	-10	15.5	16.7	23.8	25.4	26.6	28.2	28.0	4060	112	16240	7.87	200	1.12
KS1712-12	19	3/4	-12	18.6	19.8	26.9	28.4	29.9	31.5	28.0	4060	112	16240	9.45	240	1.43
KS1712-16	25	1	-16	25.0	26.4	34.1	35.7	36.8	39.2	28.0	4060	112	16240	11.81	300	2.00
KS1712-20	31.5	1-1/4	-20	31.4	33.0	42.7	45.1	45.4	48.6	21.0	3045	84	12180	16.54	420	2.80
KS1712-24	38	1-1/2	-24	37.7	39.3	49.2	51.6	51.9	55.0	17.5	2540	70	10150	19.69	500	3.40
KS1712-32	51	2	-32	50.8	52.0	62.5	64.8	65.1	68.3	17.5	2540	70	10150	25.20	640	4.25

KS1713(SAE100 R13)

Wire Spiral Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber
Reinforcement: Four or six plies of spiraled high tensile steel wire
Outerlayer: Black oil and weather resistant synthetic rubber
Temperature Range: -40℃ ~ +121℃ (-40℉ ~ +250℉)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil under harsh working conditions.

Model No.	Size			I.D		W.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KS1713-12	19	3/4	-12	18.6	19.8	28.2	29.8	31.0	33.2	35.0	5075	140	20300	9.45	240	2.10
KS1713-16	25	1	-16	25.0	26.4	34.9	36.4	37.6	39.8	35.0	5075	140	20300	11.81	300	2.88
KS1713-20	31.5	1-1/4	-20	31.4	33.0	45.6	48.0	48.3	51.3	35.0	5075	140	20300	16.54	420	4.20
KS1713-24	38	1-1/2	-24	37.7	39.3	53.1	55.5	55.8	58.8	35.0	5075	140	20300	19.69	500	5.00
KS1713-32	51	2	-32	50.4	52.0	66.9	69.3	69.5	72.7	35.0	5075	140	20300	25.19	640	7.00



KS1715(SAE100 R15)

Wire Spiral Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: Four or six plies of spiraled high tensile steel wire

Outerlayer: Black oil and weather resistant synthetic rubber

Temperature Range: -40℃ ~ +121℃ (-40℉ ~ +250℉)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil. Remarkable performance on high pressure, high impulse, and low bend applications.

Model No.	Size			I.D		W.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KS1715-06	10	3/8	-6	9.3	10.1	20.3	23.3	42.0	6090	168	24360	5.91	150	0.80		
KS1715-08	12.5	1/2	-8	12.3	13.5	24.0	26.8	42.0	6090	168	24360	7.87	200	0.95		
KS1715-10	16.0	5/8	-10	15.5	16.7	28.2	31.0	42.0	6090	168	24360	9.45	240	1.50		
KS1715-12	19	3/4	-12	18.6	19.8	32.0	36.1	42.0	6090	168	24360	10.43	265	1.85		
KS1715-16	25	1	-16	25.0	26.4	38.9	42.9	42.0	6090	168	24360	12.99	330	2.90		
KS1715-20	31.5	1-1/4	-20	31.4	33.0	48.4	51.5	42.0	6090	168	24360	17.52	445	4.20		
KS1715-24	38	1-1/2	-24	37.7	39.3	56.3	59.6	42.0	6090	168	24360	20.87	530	5.60		

KE5611(EN856-4SP)

Wire Spiral Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: Four plies of spiraled high tensile steel wire

Outerlayer: Black oil and weather resistant synthetic rubber

Temperature Range: -40℃ ~ +100℃ (-40℉ ~ +212℉)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.

Model No.	Size			I.D		W.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KE5611-04	6.3	1-4	-4	6.2	7.0	14.1	15.3	17.1	18.7	45.0	6525	180	26100	5.91	150	0.64
KE5611-06	10.0	3/8	-6	9.3	10.1	16.9	18.1	20.6	22.2	44.5	6450	178	25810	7.09	180	0.75
KE5611-08	12.5	1/2	-8	12.3	13.5	19.4	21.0	23.8	25.4	41.5	6020	166	24070	9.06	230	0.89
KE5611-10	16	5/8	-10	15.5	16.7	23.0	24.6	27.4	29.0	35.0	5075	140	20300	9.84	250	1.10
KE5611-12	19	3/4	-12	18.6	19.8	27.4	29.0	31.4	33.0	35.0	5075	140	20300	11.81	300	1.50
KE5611-16	25	1	-16	25.0	26.4	34.5	36.1	38.5	40.9	28.0	4060	112	16240	13.39	340	2.00
KE5611-20	31.5	1-1/4	-20	31.4	33.0	45.0	47.0	49.2	52.4	21.0	3045	84	12180	18.11	460	3.00
KE5611-24	38	1-1/2	-24	37.7	39.3	51.4	53.4	55.6	58.8	18.5	2680	74	10730	22.05	560	3.40
KE5611-32	51	2	-32	50.4	52.0	64.3	66.3	68.2	71.4	16.5	2390	66	9570	25.98	660	4.35

KE5612(EN856-4SH)

Wire Spiral Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: Four plies of spiraled high tensile steel wire

Outerlayer: Black oil and weather resistant synthetic rubber

Temperature Range: -40℃ ~ +100℃ (-40℉ ~ +212℉)



Application: Suitable to convey water-based, petroleum-based, and biodegradable hydraulic oil.

Model No.	Size			I.D		W.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KE5612-12	19	3/4	-12	18.6	19.8	27.6	29.2	31.4	33.0	42.0	6090	168	24360	11.02	280	1.70
KE5612-16	25	1	-16	25.0	26.4	34.4	36.0	37.5	39.9	38.0	5510	152	22040	13.39	340	2.50
KE5612-20	31.5	1-1/4	-20	31.4	33.0	40.9	42.9	43.9	47.1	32.5	4710	130	18850	18.11	460	3.00
KE5612-24	38	1-1/2	-24	37.7	39.3	47.8	49.8	51.9	55.1	29.0	4205	116	16820	22.05	560	3.60
KE5612-32	51	2	-32	50.4	52.0	62.2	64.2	66.5	69.7	25.0	3625	100	14500	27.56	700	5.00



Textile Braid Hose

KS1703(SAE100 R3)

Fiber Braid Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: Two braids of textile

Outerlayer: Black oil, weather and abrasion resistant synthetic rubber

Temperature Range: -40°C ~ +100°C (-40°F ~ +212°F)



Application: Suitable to convey medium like petroleum based hydraulic oil, lubrication oil, water, and air.

Model No.	Size			I.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KS1703-03	5	3/16	-3	4.5	5.4	11.9	13.5	10.5	1520.0	42.0	6090	2.95	75	0.16
KS1703-04	6.3	1/4	-4	6.1	7.0	13.5	15.1	8.7	1260.0	35.0	5075	2.95	75	0.18
KS1703-05	8	5/16	-5	7.6	8.5	16.7	18.3	8.4	1220.0	33.5	4860	3.94	100	0.27
KS1703-06	10	3/8	-6	9.2	10.1	18.3	19.8	7.8	1130.0	31.5	4570	3.94	100	0.31
KS1703-08	12.5	1/2	-8	12.4	13.5	23.0	24.6	7.0	1015.0	28.0	4060	4.92	125	0.45
KS1703-10	16	5/8	-10	15.6	16.7	26.2	27.8	6.1	885.0	24.5	3550	5.51	140	0.53
KS1703-12	19	3/4	-12	18.7	19.8	31.0	32.5	5.2	750.0	21.0	3045	5.91	150	0.72
KS1703-16	25	1	-16	25.1	26.2	36.9	39.3	3.9	570.0	15.7	2280	8.07	205	0.90
KS1703-20	31.5	1-1/4	-20	31.4	32.9	42.9	46.0	2.6	380.0	10.5	1520	9.84	250	1.07

KS1706(SAE100 R6)

Fiber Braid Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: One braids of textile

Outerlayer: Black oil, weather and abrasion resistant synthetic rubber

Temperature Range: -40°C ~ +100°C (-40°F ~ +212°F)



Application: Suitable to convey medium like petroleum based hydraulic oil, lubrication oil, water, and air.

Model No.	Size			I.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KS1706-03	5	3/16	-3	4.5	5.4	5.4	10.3	3.5	510.0	14.0	2030	1.97	50	0.10
KS1706-04	6.3	1/4	-4	6.1	7.0	7.0	11.9	2.8	410.0	11.2	1620	2.56	65	0.13
KS1706-05	8	5/16	-5	7.6	8.5	8.5	13.5	2.8	410.0	11.2	1620	2.95	75	0.15
KS1706-06	10	3/8	-6	9.2	10.1	10.1	15.1	2.8	410.0	11.2	1620	2.95	75	0.18
KS1706-08	12.5	1/2	-8	12.4	13.5	13.5	19.0	2.8	410.0	11.2	1620	3.94	100	0.26
KS1706-10	16	5/8	-10	15.6	16.7	16.7	22.2	2.4	350.0	9.8	1420	4.92	125	0.34
KS1706-12	19	3/4	-12	18.7	19.8	19.8	25.4	2.1	310.0	8.4	1220	5.91	150	0.40

KE5411(EN854-1TE)

Fiber Braid Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: One braids of textile

Outerlayer: Black oil, weather and abrasion resistant synthetic rubber

Temperature Range: -40°C ~ +100°C (-40°F ~ +212°F)



Application: Suitable to convey petroleum-based hydraulic oil, crude oil, fuel oil, lubricating oil, emulsified oil, air, and water.

Model No.	Size			I.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KE5411-03	5	3/16	-3	4.4	5.2	10.0	11.6	2.5	363	10.0	1450	1.38	35	0.093
KE5411-04	6	1/4	-4	5.9	6.9	11.6	13.2	2.5	363	10.0	1450	1.77	45	0.114
KE5411-05	8	5/16	-5	7.4	8.4	13.1	14.7	2.0	290	8.0	1160	2.56	65	0.133
KE5411-06	10	3/8	-6	9.0	10.0	14.7	16.3	2.0	290	8.0	1160	2.95	75	0.150
KE5411-08	12	1/2	-8	12.1	13.3	17.7	19.7	1.6	232	6.4	928	3.54	90	0.190
KE5411-10	16	5/8	-10	15.3	16.5	21.9	23.9	1.6	232	6.4	928	4.53	115	0.277



KE5421(EN854-2TE)

Fiber Braid Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: Two braids of textile

Outerlayer: Black oil, weather and abrasion resistant synthetic rubber

Temperature Range: -40℃~+100℃ (-40℉~+212℉)



Application: Suitable to convey petroleum-based hydraulic oil, crude oil, fuel oil, lubricating oil, emulsified oil, air, and water.

Model No.	Size			I.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KE5421-03	5	3/16	-3	4.4	5.2	11.0	12.6	8.0	1160	32.0	4640	1.38	35	0.117
KE5421-04	6	1/4	-4	5.9	6.9	12.6	14.2	7.5	1088	30.0	4352	1.58	40	0.139
KE5421-05	8	5/16	-5	7.4	8.4	14.1	15.7	6.8	986	27.2	3944	1.97	50	0.157
KE5421-06	10	3/8	-6	9.0	10.0	15.7	17.3	6.3	914	25.2	3656	2.36	60	0.183
KE5421-08	12	1/2	-8	12.1	13.3	18.7	20.7	5.8	841	23.2	3364	2.76	70	0.222
KE5421-10	16	5/8	-10	15.3	16.5	22.9	24.9	5.0	725	20.0	2900	3.54	90	0.316
KE5421-12	19	3/4	-12	18.2	19.8	26.0	28.0	4.5	653	18.0	2612	4.33	110	0.370
KE5421-16	25	1	-16	24.6	26.2	32.9	35.9	4.0	580	16.0	2320	5.12	130	0.547

KE5431(EN854-3TE)

Fiber Braid Hydraulic Hose

Hose Construction

Innner Tube: Black oil resistant synthetic rubber

Reinforcement: Two braids of textile

Outerlayer: Black oil, weather and abrasion resistant synthetic rubber

Temperature Range: -40℃~+100℃ (-40℉~+212℉)



Application: Suitable to convey petroleum-based hydraulic oil, crude oil, fuel oil, lubricating oil, emulsified oil, air, and water.

Model No.	Size			I.D		O.D		Working pressure		Min burst pressure		Min bending radius		Weight
	mm	Inch	1/16	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Inch	mm	
KE5431-03	5	3/16	-3	4.4	5.2	12.0	13.6	16.0	2320	64.0	9280	1.57	40	0.129
KE5431-04	6	1/4	-4	5.9	6.9	13.6	15.2	14.5	2103	58.0	8412	1.77	45	0.153
KE5431-05	8	5/16	-5	7.4	8.4	16.1	17.7	13.0	1885	52.0	7540	2.16	55	0.210
KE5431-06	10	3/8	-6	9.0	10.0	17.7	19.3	11.0	1595	44.0	6380	2.75	70	0.241
KE5431-08	12	1/2	-8	12.1	13.3	20.7	22.7	9.3	1349	37.2	5396	3.35	85	0.299
KE5431-10	16	5/8	-10	15.3	16.5	24.9	26.9	8.0	1160	32.0	4640	4.13	105	0.405
KE5431-12	19	3/4	-12	18.2	19.8	28.0	30.0	7.0	1015	28.0	4060	5.12	130	0.470
KE5431-16	25	1	-16	24.6	26.2	34.4	37.4	5.5	798	22.0	3192	5.91	150	0.633
KE5431-20	31	1-1/4	-20	30.8	32.8	40.8	43.8	4.5	653	18.0	2612	7.48	190	0.774
KE5431-24	38	1-1/2	-24	37.1	39.1	47.6	51.6	4.0	580	16.0	2320	9.45	240	0.973
KE5431-32	51	2	-32	49.8	51.8	60.3	64.3	3.3	479	13.2	1916	11.81	300	1.246



PTFE Braid Hose

PTFE Braid Hydraulic Hose

Hose Construction

Innner Tube: Polytetrafluoroethylene (PTFE)
Outerlayer: 304 or 316 stainless steel wire braid
Temperature Range: -65℃~+260℃ (-85℉~+500℉)



Application: For transporting corrosive chemicals, hot air, hot oil, steam and so on where a closed bending radius is not required.

Advantages:

- 1) High temperature resistance - 200~260 degrees for long term use, low temperature resistance -65 degrees;
- 2) Corrosion resistance - resistant to aqua regia and other solvents;
- 3) corrosion-resistant a can be resistant to aqua regia and other solvents;
- 4) aging-resistant a long time exposure to ozone, sunlight, no aging;
- 5) high lubrication with a small plastic friction coefficient (0.04);
- 6) non-sticky a solid material with a small surface tension without adhering to the substance;
- 7) excellent electrical properties, is the ideal insulating material.

Specification	Inner Diameter		Outer Diameter		Tube Wall Thickness		Working pressure		Burst pressure		Min bending radius	
	inch	(mm±0.2)	inch	(mm±0.2)	inch	(mm±0.2)	Psi	Bar	Psi	Bar	Inch	mm
-2	1/8	3.5	0.220	5.6	0.039	1.00	3582	247	14326	988	2.008	51
-3	3/16	4.8	0.315	8.0	0.033	0.85	2936	203	11745	810	2.953	75
-4	1/4	6.4	0.362	9.2	0.033	0.85	2646	183	10585	730	3.189	81
-5	5/16	8.0	0.433	11.0	0.033	0.85	2429	168	9715	670	3.622	92
-6	3/8	9.5	0.512	13.0	0.033	0.85	1958	135	7830	540	4.331	110
-7	13/32	10.3	0.531	13.5	0.033	0.85	1849	128	7395	510	5.157	131
-8	1/2	12.7	0.630	16.0	0.039	1.00	2272	113	6818	450	7.165	182
-10	5/8	16.0	0.756	19.2	0.039	1.00	1233	86	4930	340	8.307	211
-12	3/4	19.0	0.902	22.9	0.039	1.00	1051	73	4205	290	13.307	338
-14	7/8	22.2	1.031	26.2	0.039	1.00	870	60	3480	240	16.575	421
-16	1	25.0	1.161	29.5	0.059	1.50	798	55	3190	220	21.220	539
-18	1-1/8	28.0	1.299	33.0	0.059	1.50	725	50	2900	200	23.622	600
-20	1-1/4	32.0	1.496	38.0	0.079	2.00	653	45	2610	180	27.599	700
-24	1-1/2	38.0	1.732	44.0	0.079	2.00	580	40	2320	160	31.496	800
-32	2	50.0	2.224	56.5	0.079	2.00	435	30	1740	120	39.691	1015

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