HYDRAULIC HOSE

HOSE FOR GENERAL HYDRAULIC OIL PIPING / K TYPE (for high pressure)

<Specifications>

- Construction : Tube ----- Synthetic rubber excellent in oil resistance
  Reinforcement ----- High tensile steel wire
  Cover -----Synthetic rubber excellent in oil and weather resistance
- Fluid temperature : -40°C to +100°C
- Ambient temperature : -40°C to +70°C

※Tables painted in yellow indicate our standard products.

K-35

Part No.	Nominal Size	I.D (mm)	O.D (mm)	Rein-forcement	Max Working Pressure (MPa)	Min Burst Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (g/m)
K-35-12	12	12.7	20.7	1W	3.5	17.5	125	510
K-35-19	19	19.0	27.8	1W	3.5	17.5	180	730
K-35-25	25	25.4	35.7	1W	3.5	17.5	240	1,055
K-35-32	32	31.8	40.6	1W	3.5	17.5	330	1,225
K-35-38	38	38.1	50.8	1W	3.5	17.5	370	1,785
K-35-50	50	50.8	64.3	1W	3.5	17.5	480	2,445

K-70

Part No.	Nominal Size	I.D (mm)	O.D (mm)	Rein-forcement	Max Working Pressure (MPa)	Min Burst Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (g/m)
K-70-06	6	6.3	13.3	1W	7.0	35.0	80	260
K-70-09	9	9.5	17.5	1W	7.0	35.0	110	400
K-70-12	12	12.7	20.7	1W	7.0	35.0	125	510
K-70-19	19	19.0	27.8	1W	7.0	35.0	180	730
K-70-25	25	25.4	35.7	1W	7.0	35.0	240	1,055
K-70-32	32	31.8	40.6	1W	7.0	35.0	330	1,225
K-70-38	38	38.1	54.8	2W	7.0	35.0	390	2,755
K-70-50	50	50.8	67.5	2W	7.0	35.0	520	3,515

K-105

Part No.	Nominal Size	I.D (mm)	O.D (mm)	Rein-forcement	Max Working Pressure (MPa)	Min Burst Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (g/m)
K-105-06	6	6.3	13.3	1W	10.5	52.5	85	260
K-105-09	9	9.5	17.5	1W	10.5	52.5	110	400
K-105-12	12	12.7	20.7	1W	10.5	52.5	140	510
K-105-19	19	19.0	27.8	1W	10.5	42.0	210	730
K-105-25	25	25.4	38.0	2W	10.5	42.0	250	1,580
K-105-32	32	31.8	42.8	2W	10.5	42.0	355	1,795

K-140

Part No.	Nominal Size	I.D (mm)	O.D (mm)	Rein-forcement	Max Working Pressure (MPa)	Min Burst Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (g/m)
K-140-06	6	6.3	13.3	1W	14.0	70.0	85	260
K-140-09	9	9.5	17.5	1W	14.0	70.0	115	400
K-140-12	12	12.7	20.7	1W	14.0	70.0	160	510
K-140-19	19	19.0	29.4	2W	14.0	70.0	210	1,065
K-140-25	25	25.4	38.0	2W	14.0	70.0	280	1,580
K-140-32	32	31.8	42.8	2W	14.0	56.0	420	1,795

K-175

Part No.	Nominal Size	I.D (mm)	O.D (mm)	Rein-forcement	Max Working Pressure (MPa)	Min Burst Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (g/m)
K-175-06	6	6.3	13.3	1W	17.5	87.5	90	260
K-175-09	9	9.5	17.5	1W	17.5	87.5	120	400
K-175-12	12	12.7	22.2	2W	17.5	87.5	160	760

K-210

Part No.	Nominal Size	I.D (mm)	O.D (mm)	Rein-forcement	Max Working Pressure (MPa)	Min Burst Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (g/m)
K-210-06	6	6.3	13.3	1W	21.0	105.0	100	260
K-210-09	9	9.5	19.1	2W	21.0	105.0	130	615
K-210-12	12	12.7	22.2	2W	21.0	105.0	160	760
K-210-19	19	19.0	28.8	2W	21.0	84.0	240	1,110
K-210-25	25	25.4	37.2	2W	21.0	84.0	300	1,760

K-280

Part No.	Nominal Size	I.D (mm)	O.D (mm)	Rein-forcement	Max Working Pressure (MPa)	Min Burst Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (g/m)
K-280-06	6	6.3	15.1	2W	28.0	140.0	100	435
K-280-09	9	9.5	19.1	2W	28.0	140.0	130	615

K-350

Part No.	Nominal Size	I.D (mm)	O.D (mm)	Rein-forcement	Max Working Pressure (MPa)	Min Burst Pressure (MPa)	Min Bend Radius (mm)	Approx. Weight (g/m)
K-350-06	6	6.3	17.5	2W	35.0	140.0	100	610

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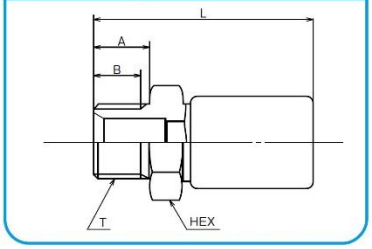
2018E-18b

HOSE COUPLUNG

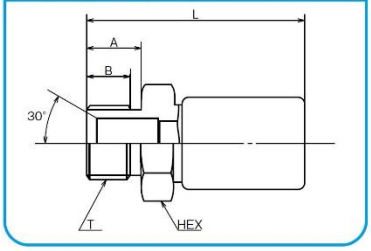
Hose for general hydraulic oil piping / K type

01 TYPE — Taper male screw for pipe



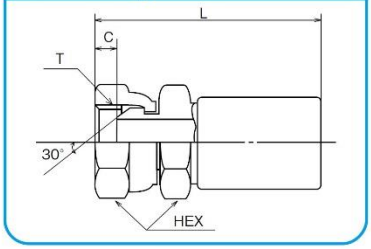
Nominal Size	T Thread	I.D (mm)	A (mm)	B (mm)	L (mm)	HEX (mm)	Part No.	Hose Part No.
6	R 1/4	4	14	11	55	19	6-01	K-70~K-350
9	R 3/8	7	15	12	62	22	9-01	K-70~K-280
12	R 1/2	10	19	16	68	27	12-01	K-35~K-210
19	R 3/4	15.5	20	17	79	36	19-01	K-35~K-210
25	R1	21	23	20	88	41	25-01	K-35~K-210
32	R1 1/4	27	26	23	113	50	32-01	K-35~K-140
38	R1 1/2	33	26	23	117	60	38-01	K-35~K-70
50	R2	46	30	26	134	70	50-01	K-35~K-70

02 TYPE — Parallel male screw for pipe (30° flare seat)



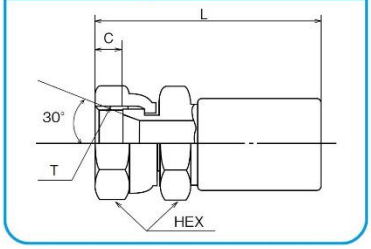
Nominal Size	T Thread	I.D (mm)	A (mm)	B (mm)	L (mm)	HEX (mm)	Part No.	Hose Part No.
6	G 1/4	4	14	11	55	19	6-02	K-70~K-210
9	G 3/8	7	15	12	62	22	9-02	K-70~K-210
12	G 1/2	10	19	15	68	27	12-02	K-35~K-210
19	G 3/4	15.5	20	16	79	36	19-02	K-35~K-210
25	G1	21	23	18	88	41	25-02	K-35~K-210
32	G1 1/4	27	26	21	113	50	32-02	K-35~K-140
38	G1 1/2	33	26	21	117	60	38-02	K-35~K-70
50	G2	46	30	25	134	70	50-02	K-35~K-70

04 TYPE — Parallel female screw for pipe (30° taper seat)



Nominal Size	T Thread	I.D (mm)	C (mm)	L (mm)	HEX (mm)	Part No.	Hose Part No.
6	G 1/4	4	5.5	60	19	6-04	K-70~K-210
9	G 3/8	7	6.5	65	22	9-04	K-70~K-210
12	G 1/2	10	6	70	27	12-04	K-35~K-210
19	G 3/4	15.5	8	83	36	19-04	K-35~K-210
25	G1	21	9	92	41	25-04	K-35~K-210
32	G1 1/4	27	13	119	50	32-04	K-35~K-140
38	G1 1/2	33	13	124	60	38-04	K-35~K-70
50	G2	46	16	141	70	50-04	K-35~K-70

05 TYPE — Parallel female screw for pipe (30° flare seat)



Nominal Size	T Thread	I.D (mm)	C (mm)	L (mm)	HEX (mm)	Part No.	Hose Part No.
6	G 1/4	4	8.5	60	19	6-05	K-70~K-210
9	G 3/8	7	10.5	65	22	9-05	K-70~K-210
12	G 1/2	10	11.5	70	27	12-05	K-35~K-210
19	G 3/4	15.5	14	83	36	19-05	K-35~K-210
25	G1	21	14	92	41	25-05	K-35~K-210
32	G1 1/4	27	16	119	50	32-05	K-35~K-140
38	G1 1/2	33	16	124	60	38-05	K-35~K-70
50	G2	46	19	141	70	50-05	K-35~K-70