



HYDRAULIC HOSE

SAE 100R13/DIN EN 856 Hydraulic Hose
Leader Hose Exceed SAE 100R16
Super Artery Steel Wire Spiral Hose



HYDRAULIC HOSE

Hydraulic Hose Exceed SAE100R16

Application:

This hose designed for hydraulic system and high peak pressures.
Meet flame resistance under MSHA standard.

Tube:

Oil resistance synthetic rubber.

Reinforcement:

Two braids of high tensile steel wire.

Cover:

Black, synthetic rubber resistant to oils, abrasion and ozone.
Smooth cover.

Temperature:

-40°F/+212°F (-40°C /+100°C)

Marking:

 PARAGON



 PART NO.	 ID		 OD		 Wire OD	 W.P.	 B.P.	 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	mm	Psi	Psi	Inch	Lb/FT	Kg/m	ft/m
SLR16-04	1/4	6	0.51	13	11.3	5800	23200	1.96	0.17	0.25	200/61
SLR16-05	5/16	8	0.59	15	13.0	5075	20300	2.17	0.22	0.32	200/61
SLR16-06	3/8	10	0.66	17	15.1	4785	19140	2.56	0.26	0.39	200/61
SLR16-08	1/2	13	0.80	20.5	18.4	4250	17000	3.54	0.35	0.52	200/61
SLR16-10	5/8	16	0.94	24	21.9	3650	14600	3.93	0.47	0.70	200/61
SLR16-12	3/4	19	1.10	28	25.8	3200	12800	4.72	0.59	0.88	164/50
SLR16-16	1	25	1.39	35.5	32.8	2400	9600	5.91	0.78	1.16	164/50
SLR17-16	1 R17	25	1.43	36.2	34.0	3200	12800	5.91	0.86	1.28	164/50

HYDRAULIC HOSE

Isobaric 5K super flexible Hydraulic Hose

Features:

Low bending radius; high pressure; long service life

Tube:

CR/NBR synthetic rubber for hydraulic fluid.

Reinforcement:

Multi spiral high tensile super flexible steel wire, four plies > 500,000 impulses tested.

Cover:

Skiving-free black narrow cloth texture hose cover made of anti-aging synthetic rubber.

Working Pressure:

5076 PSI, 350 bar

Nominal Burst Pressure:

20305 PSI, 1400 bar

Temperature:

-40°F/+250°F (-40°C /+121°C)

Marking:

 PARAGON



ISO 18752-CC 350BAR

 PART NO.	 ID		WD	 OD	 Pressure				 Min. B. R.		 Weight	 Max. L
	inch	mm			W. P. Bar	PSI	B. P. Bar	PSI	Inch	mm		
ISB5K-06	3/8	10	18.7	21.9	350	5076	1400	20305	4	100	0.50	200/61
ISB5K-08	1/2	13	20.7	23.2	350	5076	1400	20305	5.5	140	0.60	200/61
ISB5K-10	5/8	16	24.8	27.6	350	5076	1400	20305	7	180	0.73	200/61
ISB5K-12	3/4	19	28.7	31.4	350	5076	1400	20305	7.8	200	0.96	200/61
ISB5K-16	1	25	35.7	38.6	350	5076	1400	20305	9.8	250	1.40	200/61
ISB5K-20	1 1/4	32	47.7	51.0	350	5076	1400	20305	15.7	400	2.55	200/61
ISB5K-24	1 1/2	38	53.3	56.8	350	5076	1400	20305	18.8	480	3.02	200/61
ISB5K-32	2	51	67.3	70.8	350	5076	1400	20305	25.5	650	4.36	200/61

HYDRAULIC HOSE

Isobaric 6K super flexible Hydraulic Hose

Features:

Low bending radius; high pressure; long service life.

Tube:

CR/NBR synthetic rubber for hydraulic fluid.

Reinforcement:

Multi spiral high tensile super flexible steel wire, four plies > 500,000 impulses tested.

Cover:

Skiving-free black narrow cloth texture hose cover made of anti-aging synthetic rubber.

Working Pressure:

6091 PSI, 420 bar

Nominal Burst Pressure:

24366 PSI, 1680 bar

Temperature:

-40°F/+250°F (-40°C /+121°C)

Marking:

PARAGON



ISO 18752-CC 350BAR

 PART NO.	 ID		WD	 OD	 Pressure				 Min. B. R.		 Weight	 Max. L
	inch	mm			W. P.		B. P.		Inch	mm	Lb/FT	ft/m
			mm	mm	Bar	PSI	Bar	PSI				
ISB6K-06	3/8	10	18.7	21.9	420	6091	1680	24366	4	100	0.50	200/61
ISB6K-08	1/2	13	20.7	23.2	420	6091	1680	24366	5.5	140	0.60	200/61
ISB6K-10	5/8	16	24.8	27.6	420	6091	1680	24366	7	180	0.73	200/61
ISB6K-12	3/4	19	28.7	31.4	420	6091	1680	24366	7.8	200	0.96	200/61
ISB6K-16	1	25	35.7	38.6	420	6091	1680	24366	9.8	250	1.40	200/61
ISB6K-20	1 ¼	32	47.7	51.0	420	6091	1680	24366	15.7	400	2.55	200/61
ISB6K-24	1 ½	38	53.3	56.8	420	6091	1680	24366	18.8	480	3.02	200/61
ISB6K-32	2	51	67.3	70.8	420	6091	1680	24366	25.5	650	4.36	200/61

HYDRAULIC HOSE

Isobaric 4K super flexible Hydraulic Hose

Features:

Low bending radius; high pressure; long service life

Tube:

CR/NBR synthetic rubber for hydraulic fluid.

Reinforcement:

Multi spiral high tensile super flexible steel wire, four plies > 500,000 impulse cycles.

Cover:

Skiving-free black narrow cloth texture hose cover made of anti-aging synthetic rubber.

Working Pressure:

4061 PSI, 280 bar

Nominal Burst Pressure:

16244 PSI, 1120 bar

Temperature:

-40°F/+250°F (-40°C /+121°C)

Marking:

 PARAGON



ISO 18752 280BAR

 PART NO.	 ID		 WD OD		 Pressure				 Min. B. R.		 Weight	 Max. L
	inch	mm	mm	mm	W. P.		B. P.		Inch	mm	Kg / m	ft/m
ISB4K-06	3/8	10	17.8	21	280	4061	1120	16244	3.93	100	0.7	200/61
ISB4K-08	1/2	13	21.5	24.6	280	4061	1120	16244	5.51	140	0.83	200/61
ISB4K-10	5/8	16	25.4	28.2	280	4061	1120	16244	7.08	180	1.12	200/61
ISB4K-12	3/4	19	28.4	31.5	280	4061	1120	16244	7.87	200	1.43	200/61
ISB4K-16	1	25	35.7	39.2	280	4061	1120	16244	9.84	250	1.9	200/61

HIGH TEMPERATURE HOSE

R5 HT (SAE100 R5)

Application:

Medium pressure hydraulic lines, fuel oil, antifreeze solution, air and water. Specially designed for high temperature application.

Tube:

Oil resistant synthetic rubber.

Reinforcement:

One high tensile steel braid.

Cover:

Braided high tensile blue cord.

Temperature:

-40°F/+300°F (-40°C /+150°C)

Air max T:

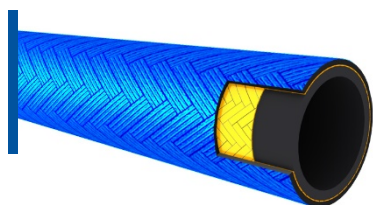
+185°F(+85°C) up to 5/8",
+230°F(+110°C) over 3/4",

Safety factor:

1:4

Marking:

 PARAGON



 PART NO.	 ID		 OD		 pressure		 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi Working	Psi Nominal burst	Inch	Lb/ft	Kg/m	ft/m
BR5-03	3/16	5	0.53	13.50	3000	12000	2.95	0.24	0.355	200/61
BR5-04	1/4	6.3	0.59	15.10	3000	12000	3.35	0.26	0.382	200/61
BR5-05	5/16	8	0.68	17.30	2270	9080	3.94	0.34	0.501	200/61
BR5-07	13/32	10.3	0.78	19.70	2000	8000	4.53	0.40	0.586	200/61
BR5-10	1/2	12.5	0.93	23.50	1760	7000	5.51	0.51	0.752	200/61
BR5-12	5/8	16	1.08	27.40	1530	6000	6.50	0.59	0.871	200/61
BR5-16	7/8	22	1.24	31.40	800	3250	7.28	0.48	0.706	200/61
BR5-20	1 1/8	29	1.48	37.60	625	2500	9.02	0.63	0.924	200/61
BR5-24	1 3/8	35	1.73	44.00	525	2000	10.43	0.71	1.055	200/61
BR5-32	1 13/16	46	2.22	56.40	350	1400	13.19	0.97	1.431	200/61

HIGH TEMPERATURE HOSE

SEA100 R5-J1402 DOT AII FM VSS 106

Application:

Medium pressure hydraulic lines, fuel oil, antifreeze solution, air and water.

Tube:

Oil resistant synthetic rubber.

Reinforcement:

One high tensile steel braid.

Cover:

Braided high tensile textile cord.

Temperature:

-40°F/+212°F (-40°C /+100°C)

Air max T:

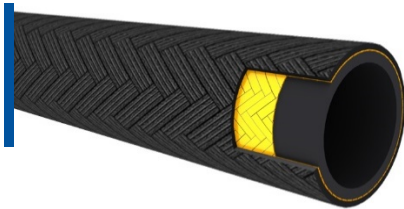
+160°F(+70°C)

Safety factor:

1:4

Marking:

 PARAGON



 PART NO.	 ID		 OD		 pressure		 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi Working	Psi Nominal burst	Inch	Lb/ft	Kg/m	ft/m
BR5-03	$\frac{3}{16}$	5	0.52	13.20	3000	12000	2.99	0.16	0.230	200/61
BR5-04	$\frac{1}{4}$	6.3	0.58	14.80	3000	12000	3.39	0.19	0.270	200/61
BR5-05	$\frac{5}{16}$	8	0.68	17.30	2250	9000	4.02	0.24	0.350	200/61
BR5-07	$\frac{13}{32}$	10.3	0.77	19.50	2000	8000	4.61	0.28	0.404	200/61
BR5-10	$\frac{1}{2}$	12.5	0.92	23.40	1750	7000	5.51	0.38	0.560	200/61
BR5-12	$\frac{5}{8}$	16	1.08	27.40	1500	6000	6.50	0.46	0.670	200/61
BR5-16	$\frac{7}{8}$	22	1.24	31.40	800	3200	7.36	0.47	0.690	200/61
BR5-20	$1 \frac{1}{8}$	29	1.50	38.10	625	2500	9.02	0.58	0.850	200/61
BR5-24	$1 \frac{3}{8}$	35	1.75	44.50	525	2000	10.51	0.72	1.060	200/61
BR5-32	$1 \frac{13}{16}$	46	2.22	56.40	350	1400	13.27	0.91	1.350	200/61

PETROLEUM HOSE

BOP 3000psi

Application:

General application where flame resistance is required.
Hydraulic BOP control line.

Tube:

Black oil resistant NBR.

Reinforcement:

Two high tensile steel wires braided.

Cover:

Thick red synthetic high temperature and flame-resistant rubber.

Temperature:

-40°F/+250°F (-40°C /+121°C)

Safety factor:

1:4

Marking:

 PARAGON



 PART NO.	 ID		 OD		 Pressure		 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi Working	Psi Nominal burst	Inch	Lb/ft	Kg/m	ft/m
FBOP-06-3000	3/8	10	1"	25.4	3000	12000	2.56	0.54	0.8	200/61
FBOP-08-3000	1/2	13	1.12	28.45	3000	12000	3.54	0.64	0.95	200/61
FBOP-12-3000	3/4	19	1.37	34.8	3000	12000	4.72	1.22	1.8	200/61
FBOP-16-3000	1	25	1.66	42.2	3000	12000	5.9	1.67	2.47	200/61



PETROLEUM HOSE

BOP 5000psi

Application:

General application where flame resistance is required.
Hydraulic BOP control line.

Tube:

Oil resistant synthetic rubber.

Reinforcement:

Four high tensile steel wires spiral.

Cover:

Thick red synthetic high temperature and flame-resistant rubber.

Temperature:

-40°F/+250°F (-40°C /+121°C)

Safety factor:

1:4

Marking:

 PARAGON



 PART NO.	 ID		 OD		 Pressure		 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	Psi Working	Psi Nominal burst	Inch	Lb/ft	Kg/m	ft/m
FBOP-08-C	1/2	12.7	1.04	26.4	5000	20000	7.09	0.61	0.9	200/61
FBOP-12-C	3/4	19	1.31	33.2	5000	20000	11.02	1.15	1.7	200/61
FBOP-16-C	1	25	1.69	43	5000	20000	13.39	1.49	2.2	200/61
FBOP-24-C	1 1/2	38	2.4	61	5000	20000	18.11	3.31	4.9	100/30.5
FBOP-32-C	2	51	3.0	76.1	5000	20000	23.62	4.8	7.1	100/30.5

