



# HYDRAULIC HOSE

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



## HYDRAULIC HOSE

Hydraulic Hose Exceeds SAE100R16

### Application:

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

### Tube:

Oil resistant 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	lbs./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

## Hydraulic Hose

SAE 100R1AT/DIN EN 853 1SN Hydraulic Hose

### Recommended fluid:

Hydraulic system service with petroleum and water-based fluid mineral, vegetable and rape seed oils, poly glycol and glycol base oils.

### Tube:

Synthetic rubber oil resistant.

### Reinforcement:

One high tensile steel wire braid.

### Cover:

Synthetic rubber cover, oil, abrasion and whether resistant.

### Temperature:

-40°F/+212°F (-40°C /+100°C)

### Marking:

Transparent tape, red and white color printing.



PART NO.	ID		OD		Pressure				Min. B. R.		Weight	Max. L
	DN	Inch	Inch	mm	W.P.		B.P.		Inch	mm	lbs./FT	ft/m
					Bar	PSI	Bar	PSI				
HR1-3	5	3/16"	0.46	11.8	250	3630	1000	14520	3.54	90	0.11	330/100
HR1-4	6	1/4"	0.51	12.9	225	3265	900	13050	4.02	102	0.14	330/100
HR1-5	8	5/16"	0.58	14.7	215	3100	850	12300	4.49	114	0.16	330/100
HR1-6	10	3/8"	0.66	16.7	180	2600	720	10400	5.00	127	0.22	330/100
HR1-8	12	1/2"	0.78	19.9	160	2300	640	9250	7.01	178	0.28	330/100
HR1-10	16	5/8"	0.91	23.2	130	1885	520	7500	7.99	203	0.30	200/61
HR1-12	19	3/4"	1.07	27.1	105	1525	420	6050	9.49	241	0.39	200/61
HR1-16	25	1"	1.38	35.1	88	1275	350	5050	12.01	305	0.59	100/30
HR1-20	32	1 1/4"	1.67	42.5	63	915	250	3600	16.50	419	0.83	100/30
HR1-24	38	1 1/2"	1.97	50.1	50	725	200	2900	20.00	508	1.01	100/30
HR1-32	51	2"	2.52	64.1	40	580	160	2300	25.00	635	1.32	100/30

# Hydraulic Hose

SAE 100R2AT3/DIN EN 853 2SN Hydraulic Hose

**Recommended fluid:**

Hydraulic system service with petroleum and water-based fluid mineral, vegetable and rape seed oils, poly glycol and glycol base oils,

**Tube:**

Synthetic rubber oil resistant.

**Reinforcement:**

Two high tensile steel wire braid.

**Cover:**

Synthetic rubber cover oil, abrasion and whether resistant.

**Temperature:**

-40°F/+212°F (-40°C /+100°C)

**Marking:**

Transparent tape, Red and white color printing



PART NO.	ID		OD		Pressure				Min. B. R.		Weight	Max. L
	DN	Inch	Inch	mm	W. P.		B. P.		Inch	mm	lbs./FT	ft/m
					Bar	PSI	Bar	PSI				
HR2-4	6	1/4 "	0.56	14.3	400	5800	1600	23200	4.02	102	0.24	330/100
HR2-5	8	5/16"	0.63	16.0	350	5050	1400	20300	4.49	114	0.30	330/100
HR2-6	10	3/8"	0.72	18.4	330	4750	1320	19100	5.00	127	0.36	330/100
HR2-8	12	1/2 "	0.84	21.3	275	3950	1100	15950	7.01	178	0.46	330/100
HR2-10	16	5/8"	0.97	24.6	250	3600	1000	14500	7.99	203	0.54	330/100
HR2-12	19	3/4"	1.13	28.7	215	3100	850	12300	9.49	241	0.63	200/61
HR2-16	25	1"	1.46	37.1	165	2350	650	9400	12.01	305	0.91	200/61
HR2-20	32	1 1/4"	1.84	46.7	125	1800	500	7250	16.50	419	1.44	100/30
HR2-24	38	1 1/2"	2.14	54.5	90	1300	360	5200	20.00	508	1.78	100/30
HR2-32	51	2"	2.63	66.7	80	1150	320	4600	25.00	635	2.30	100/30

## 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 5000PSI**

PART NO.	ID		WD	OD	Pressure				Min. B. R.		Weight	Max. L
	inch	mm			W. P.		B. P.		Inch	mm		
					Bar	PSI	Bar	PSI				
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 ¼	32	47.7	51.0	350	5076	1400	20305	15.7	400	2.55	200/61
ISB5K-24	1 ½	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:**

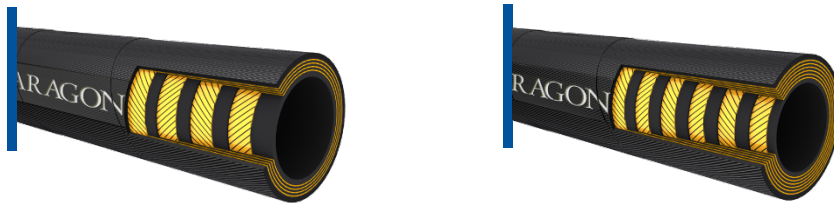
24366 PSI, 1680 bar

**Temperature:**

-40°F/+250°F (-40°C /+121°C)

**Marking:**

 PARAGON



**ISO 18752-CC 6000PSI**

PART NO.	ID		WD	OD	Pressure				Min. B. R.		Weight	Max. L
	inch	mm			W.P.		B.P.		Inch	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 4000PSI**

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
					Bar	PSI	Bar	PSI				
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

## Hydraulic Hose

SAE 100R13/DIN EN 856 Hydraulic Hose

### Application:

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

### Tube:

High quality oil resistant synthetic rubber compound.

### Reinforcement:

Up to 1" is 4 and from 1 1/4" is 6 spiral high tensile steel wires.

### Cover:

Abrasion and weather resistant synthetic rubber.

### Working pressure:

5,075 PSI

### Nominal burst pressure:

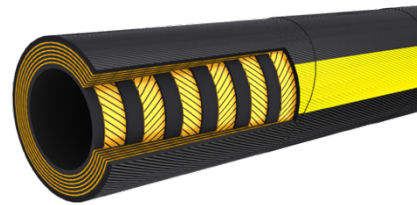
20,300 PSI

### Temperature:

-40°F/+212°F.

### Marking:

 PARAGON



PART NO.	ID		Hose OD		Pressure				Min. B. R.		Weight	Max. L
	inch	mm	In	mm	W. P.		B. P.		Inch	mm	lbs./Ft	ft/m
					Bar	PSI	Bar	PSI				
HR13-12	3/4"	19	1.3"	33.2	350	5075	1400	20300	9.5	241	1.05	200/61
HR13-16	1"	25	1.56"	39.8	350	5075	1400	20300	11.8	300	1.29	200/61
HR13-20	1 1/4"	32	2.02"	51.3	350	5075	1400	20300	16.5	420	2.55	200/61
HR13-24	1 1/2"	38	2.31"	58.8	350	5075	1400	20300	19.7	500	3.2	200/61
HR13-32	2"	51	2.86"	72.7	350	5075	1400	20300	25.2	640	4.53	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:**

Blue braided high tensile blue cord.

**Temperature:**

-40°F/+300°F (-40°C /+150°C)

**Air max T:**

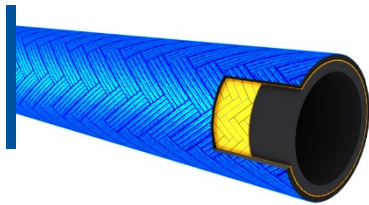
+185°F(+85°C) up to 5/8",  
+230°F(+110°C) over 3/4",








**Safety factor:**

1:4

**Marking:**

 PARAGON



 PART NO.	 ID		 OD		 pressure		 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	W.P. PSI	B.P. PSI	Inch	lbs./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 All 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:**

Black braided high tensile textile cord.

**Temperature:**

-40°F/+212°F (-40°C /+100°C)

**Air max T:**

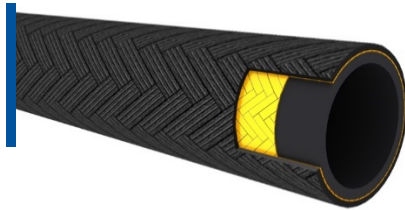
+160°F(+70°C)








**Safety factor:**

1:4

**Marking:**

 PARAGON



 PART NO.	 ID		 OD		 pressure		 Min. b. r.	 Weight		 Max. L
	Inch	mm	Inch	mm	W.P. PSI	B.P. PSI	Inch	lbs./ft	Kg/m	ft/m
BKR5-03	3/16	5	0.52	13.20	3000	12000	2.99	0.16	0.230	200/61
BKR5-04	1/4	6.3	0.58	14.80	3000	12000	3.39	0.19	0.270	200/61
BKR5-05	5/16	8	0.68	17.30	2250	9000	4.02	0.24	0.350	200/61
BKR5-07	13/32	10.3	0.77	19.50	2000	8000	4.61	0.28	0.404	200/61
BKR5-10	1/2	12.5	0.92	23.40	1750	7000	5.51	0.38	0.560	200/61
BKR5-12	5/8	16	1.08	27.40	1500	6000	6.50	0.46	0.670	200/61
BKR5-16	7/8	22	1.24	31.40	800	3200	7.36	0.47	0.690	200/61
BKR5-20	1 1/8	29	1.50	38.10	625	2500	9.02	0.58	0.850	200/61
BKR5-24	1 3/8	35	1.75	44.50	525	2000	10.51	0.72	1.060	200/61
BKR5-32	1 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	W.P. PSI	B.P. PSI	Inch	lbs./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	W.P. PSI	B.P. PSI		Inch	lbs./ft	
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



# Petroleum Wellhead Hose Degasser Hose

**Application:**

This product is used in degasser application in oil fields.

**Tube:**

Black, smooth, NR/SBR+UHMWPE rubber compound.

**Reinforcement:**

Blue neoprene cover with four alternating plies of high tensile carbon steel braid wire for reinforcement.

**Cover:**

Neoprene rubber. The 3" version of this hose features a black cover with blue lay line.

**Working pressure:**

2000 PSI

**Nominal burst pressure:**

8000 PSI

**Temperature:**

-40°F/+200°F.







**Marking:**

 PARAGON

**Fitting:**

4" Male NPT Hose Tail and Ferrule



 PART NO.	 Inner Diameter		 Hose OD		 Min. Bending Radius		 Weight		 Max. L
	Inch	mm	Inch	mm	Inch	mm	Lb/ft	Kg/m	ft /m
DGS-300-2000	3	76	4.2	106.7	30	760	7.1	10.58	100/30.5
DGS-400-2000	4	102	5.2	132	40	1020	8.8	13.07	100/30.5

