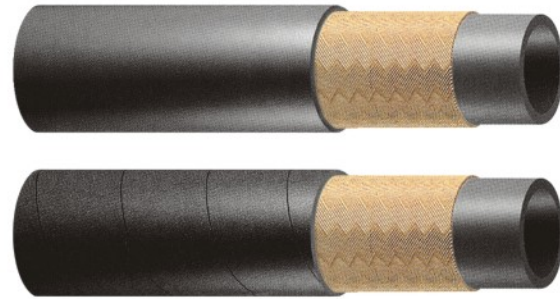


# RB01 (SAE 100 R1)

Steel Wire Reinforced Rubber Covered Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, a single steel wire braid reinforcement, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

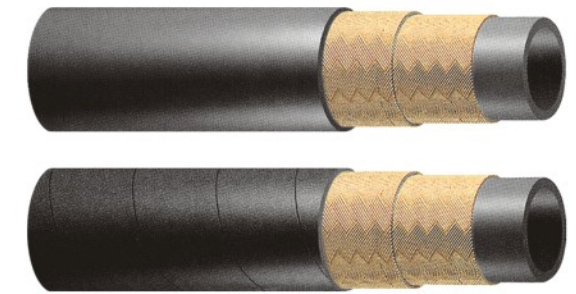
This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~100°C.

# RB02 (SAE 100 R2)

High Pressure, Steel Wire Reinforced, Rubber Covered Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, two braids of steel wire reinforcement, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section cover hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~ +100°C

TYPE	Metric SIZE	SAE SIZE	I.D.		W.D.		O.D.			W.P.		P.P.		B.P.		minB.R.		W.T	
			Min	Max	Min	Max	A	AT	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm			
			mm	inch	1/16	Min	Max	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch		mm
RB01-05R1	5	3/16	-3	4.6	5.4	8.9	10.1	11.9	13.5	12.5	25	3625	50	7250	100	14500	3.54	90	0.20
RB01-06R1	6.3	1/4	-4	6.2	7.0	10.6	11.7	15.1	16.7	14.1	22.5	3260	45	6525	90	13050	3.94	100	0.25
RB01-08R1	8	5/16	-5	7.7	8.5	12.1	13.3	16.7	18.3	15.7	21.5	3120	43	6235	85	12325	4.53	115	0.31
RB01-10R1	10	3/8	-6	9.3	10.1	14.5	15.7	19.0	20.6	18.1	18	2610	36	5220	72	10440	4.92	125	0.36
RB01-13R1	12.5	1/2	-8	12.3	13.5	17.5	19.0	22.2	23.8	21.5	16	2320	32	4640	64	9280	7.09	180	0.45
RB01-16R1	16	5/8	-10	15.5	16.7	20.6	22.2	25.4	27.0	24.7	13	1885	26	3770	52	7540	8.07	205	0.52
RB01-19R1	19	3/4	-12	18.6	19.8	24.6	26.2	29.4	31.0	28.6	10.5	1520	21	3045	42	6090	9.45	240	0.65
RB01-25R1	25	1	-16	25.0	26.4	32.5	34.1	36.9	39.3	36.6	8.8	1280	17.5	2540	35	5075	11.81	300	0.91
RB01-32R1	31.5	1-1/4	-20	31.4	33.0	39.3	41.7	44.4	47.6	44.8	6.3	910	12.5	2175	25	3625	16.54	420	1.30
RB01-38R1	38	1-1/2	-24	37.7	39.3	45.6	48.0	50.8	54.0	52.0	5	725	10	1450	20	2900	19.69	500	1.70
RB01-51R1	51	2	-32	50.4	52.0	58.7	61.9	65.1	68.3	65.9	4	580	8	1160	16	2320	24.8	630	2.00

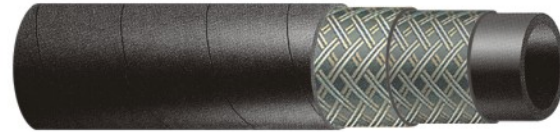
TYPE	Metric SIZE	SAE SIZE	I.D.		W.D.		O.D.			W.P.		P.P.		B.P.		minB.R.		W.T	
			Min	Max	Min	Max	AD	AT	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm			
			mm	inch	1/16	Min	Max	Min	Max	Min	Max	Max	MPa	Psi	MPa	Psi	MPa		Psi
RB02-05R2	5	3/16	-3	4.6	5.4	10.6	11.7	15.1	16.7	14.1	41.5	6020	83	12035	165	23925	3.54	90	0.32
RB02-06R2	6.3	1/4	-4	6.2	7.0	12.1	13.3	16.7	18.3	15.7	40	5800	80	11600	160	23200	3.94	100	0.36
RB02-08R2	8	5/16	-5	7.7	8.5	13.7	14.9	18.3	19.9	17.3	35	5075	70	10150	140	20300	4.53	115	0.45
RB02-10R2	10	3/8	-6	9.3	10.1	16.1	17.3	20.6	22.2	19.7	33	4785	66	9570	132	19140	5.12	125	0.54
RB02-13R2	12.5	1/2	-8	12.3	13.5	19.0	20.6	23.8	25.4	23.0	27.5	3990	55	7975	110	15950	7.09	180	0.68
RB02-16R2	16	5/8	-10	15.5	16.7	22.2	23.8	27.0	28.6	26.2	25	3625	50	7250	100	14500	7.87	205	0.80
RB02-19R2	19	3/4	-12	18.6	19.8	26.2	27.8	31.0	32.6	30.1	21.5	3120	43	6235	85	12325	9.45	240	0.94
RB02-25R2	25	1	-16	25.0	26.4	34.1	35.7	38.5	40.9	38.9	16.5	2390	32.5	4710	65	9425	11.81	300	1.35
RB02-32R2	31.5	1-1/4	-20	31.4	33.0	43.3	45.7	49.2	52.4	49.5	12.5	1810	25	3625	50	7250	16.54	420	2.15
RB02-38R2	38	1-1/2	-24	37.7	39.3	49.6	52.0	55.6	58.8	55.9	9	1305	18	2610	36	5220	19.69	500	2.65
RB02-51R2	51	2	-32	50.4	52.0	62.3	64.7	68.2	71.4	68.6	8	1160	16	2320	32	4640	24.80	630	3.42
RB02-63R2	63	2-1/2	-40	63.1	65.1	74.6	77.8	80.9	84.1	81.8	7	1015	14	2030	28	4060	29.92	760	4.2

# RB03 (SAE 100 R3)

Double Fiber Braid (nonmetallic), Rubber Covered Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, two braids of suitable fiber, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~100°C.

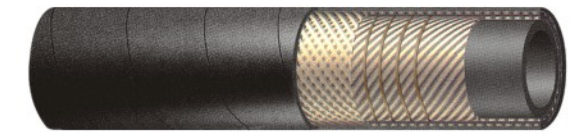
TYPE	Metric SIZE	SIZE	SAE	I.D.		O.D.		W.P.		P.P.		B.P.		minB.R.		W.T
				Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi	
RB03-05R3	5	3/16	-3	4.5	5.4	11.9	13.5	10.5	1520	21	3050	42	6090	2.95	75	0.16
RB03-06R3	6.3	1/4	-4	6.1	7.0	13.5	15.1	8.7	1260	17.5	2540	35	5075	2.95	75	0.15
RB03-08R3	8	5/16	-5	7.6	8.5	16.7	18.3	8.4	1220	16.8	2440	33.5	4860	3.94	100	0.27
RB03-10R3	10	3/8	-6	9.2	10.1	18.3	19.8	7.8	1130	15.7	2280	31.5	4570	3.94	100	0.31
RB03-13R3	12.5	1/2	-8	12.4	13.5	23.0	24.6	7	1015	14	2030	28	4060	4.92	125	0.45
RB03-16R3	16	5/8	-10	15.6	16.7	26.2	27.8	6.1	885	12.2	1170	24.5	3550	5.51	140	0.53
RB03-19R3	19	3/4	-12	18.7	19.8	31.0	32.5	5.2	750	10.5	1520	21	3045	5.91	150	0.72
RB03-25R3	25	1	-16	25.1	26.2	36.9	39.3	3.9	570	7.8	1130	15.7	2280	8.07	205	0.90
RB03-32R3	31.5	1-1/4	-20	31.4	32.9	42.9	46.0	2.6	380	5.2	750	10.5	1520	9.84	250	1.07

# RB04 (SAE 100 R4)

Wire Inserted Hydraulic Suction Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, a reinforcement consisting of a ply or plies of woven or braided textile fibers with a suitable spiral of body steel wire, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section cover hose for use in low pressure and vacuum applications with petroleum base hydraulic fluids within a temperature range of -40°C~ +100°C

TYPE	Metric SIZE	SIZE	SAE	I.D.		O.D.	W.P.		P.P.		B.P.		minB.R.		W.T
				Min	Max		MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch		1/16	Min	Max	Max	MPa	Psi	MPa	Psi	
RB04-19R4	19	3/4	-12	18.2	19.8	34.9	2.1	305	4.2	610	8.4	1210	4.92	125	0.92
RB04-25R4	25	1	-16	24.6	26.2	41.3	1.7	250	3.5	510	7	1015	5.91	150	1.10
RB04-32R4	31.5	1-1/4	-20	30.6	33.0	50.8	1.4	200	2.8	410	5.6	810	7.87	200	1.30
RB04-38R4	38	1-1/2	-24	36.9	39.3	57.2	1.05	150	2.1	305	4.2	610	10.01	255	1.80
RB04-51R4	51	2	-32	49.2	52.4	69.9	0.7	100	1.4	200	2.8	410	11.81	300	2.23
RB04-63R4	63	2-1/2	-40	61.9	65.1	82.6	0.4	60	0.85	120	1.7	250	13.98	355	3.23
RB04-76R4	76	3	-48	74.6	77.8	95.3	0.4	60	0.8	120	1.6	230	18.11	460	4.25
RB04-89R4	89	3-1/2	-56	87.3	90.5	107.9	0.3	40	0.6	90	1.25	180	20.87	530	5.05
RB04-102R4	102	4	-64	100.0	103.2	120.7	0.25	40	0.5	70	1	145	24.02	610	5.60

# RB05 (SAE 100 R5)

Single Wire Braid, Textile Covered Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, a single wire braid reinforcement and a fiber braided cover.



### APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~100°C.

TYPE	Metric SIZE	SIZE	SAE	I.D		O.D		W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	
RB05-05R5	5	3/16	-4	4.8	5.5	12.7	13.7	21	3045	42	6090	84	12180	2.95	75	0.24
RB05-06R5	6.3	1/4	-5	6.4	7.2	14.3	15.3	21	3045	42	6090	84	12180	3.35	85	0.28
RB05-08R5	8	5/16	-6	7.9	8.7	16.7	17.6	15.7	2270	31.5	4570	63	9135	3.94	100	0.35
RB05-11R5	11	13/32	-8	10.3	11.1	18.9	20.0	14	2030	28	4060	56	8120	4.53	115	0.38
RB05-13R5	12.5	1/2	-10	12.7	13.7	22.8	24.0	12.2	1770	24.5	3550	49	7105	5.51	140	0.51
RB05-16R5	16	5/8	-12	15.9	17.0	26.8	28.0	10.5	1520	21	3045	42	6090	6.50	165	0.68
RB05-22R5	22	7/8	-16	22.2	23.3	30.6	32.2	5.6	810	11.2	1620	22.4	3250	7.28	185	0.70
RB05-29R5	29	1-1/8	-20	28.6	29.8	37.3	38.9	4.3	620	8.7	1260	17.5	2540	9.06	230	0.80
RB05-35R5	35	1-3/8	-24	34.9	36.1	43.7	45.2	3.5	510	7	1015	14	2030	10.43	265	0.93
RB05-46R5	46	1-13/16	-32	46.0	47.2	55.2	57.6	2.4	350	4.9	700	9.8	1420	13.19	335	1.32
RB05-60R5	60	2-3/8	-40	60.3	61.9	71.8	74.2	2.4	350	4.9	700	9.8	1420	24.02	610	2.96
RB05-76R5	76	3	-48	76.2	77.8	89.3	91.7	1.4	200	2.8	410	5.6	810	33.07	840	4.10

# RB06 (SAE 100 R6)

Single Fiber Braid (nonmetallic), Rubber Covered Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, one braid of suitable fiber, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section cover hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~ +100°C

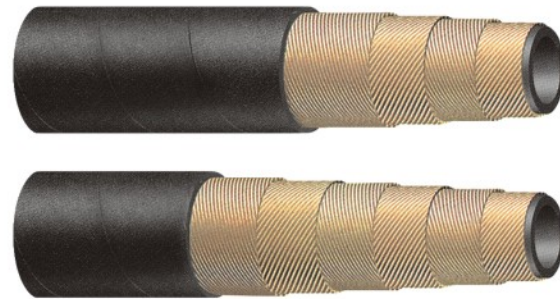
TYPE	Metric SIZE	SIZE	SAE	I.D		O.D		W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	
RB06-05R6	5	3/16	-3	4.2	5.4	10.3	11.9	3.5	510	7	1015	14	2030	1.97	50	0.10
RB06-06R6	6.3	1/4	-4	5.6	7.2	11.9	13.5	2.8	410	5.6	810	11.2	1620	2.56	65	0.13
RB06-08R6	8	5/16	-5	7.2	8.8	13.5	15.1	2.8	410	5.6	810	11.2	1620	2.95	75	0.15
RB06-10R6	10	3/8	-6	8.7	10.3	15.1	16.7	2.8	410	5.6	810	11.2	1620	2.95	75	0.18
RB06-13R6	12.5	1/2	-8	11.9	13.5	19.0	20.6	2.8	410	5.6	810	11.2	1620	3.94	100	0.26
RB06-16R6	16	5/8	-10	15.1	16.7	22.2	23.8	2.4	350	4.9	710	9.8	1420	4.92	125	0.31
RB06-19R6	19	3/4	-12	18.3	19.9	25.4	27.8	2.1	310	4.2	610	8.4	1220	5.91	150	0.40

# RS13 (SAE 100 R13)

Heavy Duty, High Impulse, Multiple Spiral Steel Wire Reinforce, Rubber Covered Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, multiple spiral plies of heavy steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~121°C.

TYPE	Metric SIZE	SIZE	SAE	I.D.		W.D.		O.D.		W.P.		P.P.		B.P.		minB.R.		W.T			
				mm	inch	1/16	Min	Max	Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa		Psi	inch	mm
				mm	inch	1/16	Min	Max	Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa		Psi	inch	mm
RS13-19R13	19	3/4	-12	18.6	19.8	28.2	29.8	31.0	33.2	35	5075	70	10150	140	20300	9.45	240	2.10			
RS13-25R13	25	1	-16	25.0	26.4	34.9	36.4	37.6	39.8	35	5075	70	10150	140	20300	11.81	300	2.88			
RS13-32R13	31.5	1-1/4	-20	31.4	33.0	45.6	48.0	48.3	51.3	35	5075	70	10150	140	20300	16.54	420	4.20			
RS13-38R13	38	1-1/2	-24	37.7	39.3	53.1	55.5	55.8	58.8	35	5075	70	10150	140	20300	19.69	500	5.00			
RS13-51R13	51	2	-32	50.4	52.0	66.9	69.3	69.5	72.7	35	5075	70	10150	140	20300	25.20	640	7.00			

# RS15 (SAE 100 R15)

Heavy Duty, High Impulse, Multiple Spiral Steel Wire Reinforced, Rubber Covered Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, multiple spiral plies of heavy steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section cover hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~ +121°C

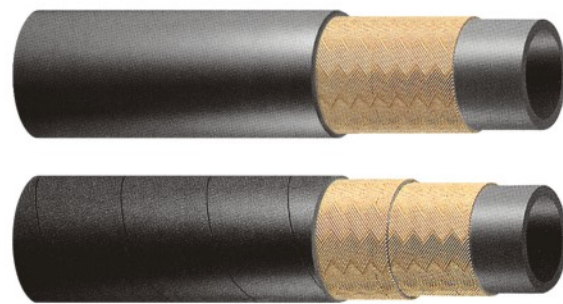
TYPE	Metric SIZE	SIZE	SAE	I.D.		W.D.		O.D.		W.P.		P.P.		B.P.		minB.R.		W.T		
				mm	inch	1/16	Min	Max	Max	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi		inch	mm
				mm	inch	1/16	Min	Max	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch		mm	
RS15-10R15	10	3/8	-6	9.3	10.1	20.3	23.3	42	6090	84	12180	168	24360	5.91	150	0.80				
RS15-13R15	12.5	1/2	-8	12.3	13.5	24.0	26.8	42	6090	84	12180	168	24360	7.87	200	0.95				
RS15-19R15	19	3/4	-12	18.6	19.8	32.9	36.1	42	6090	84	12180	168	24360	10.40	265	1.85				
RS15-25R15	25	1	-16	25.0	26.4	38.9	42.9	42	6090	84	12180	168	24360	13.00	330	2.90				
RS15-32R15	31.5	1-1/4	-20	31.4	33.0	48.4	51.5	42	6090	84	12180	168	24360	17.52	445	4.20				
RS15-38R15	38	1-1/2	-24	37.7	39.3	56.3	59.6	42	6090	84	12180	168	24360	20.87	530	5.60				

# RB16 (SAE 100 R16)

Compact, High Pressure, Two Steel Wire Reinforced, Rubber Covered Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, two steel wire reinforcement, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C+100°C.

TYPE	Metric SIZE	SIZE	SAE	I.D.		W.D.	O.D.	M.D.		W.P.		P.P.		B.P.		minB.R.		W.T
				Min	Max	Max	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	Kg/m			
RB16-06R16	6.3	1/4	-4	6.2	7.0	12.3	14.5	0.8	1.5	40	5800	80	11600	160	23200	1.97	50	0.30
RB16-08R16	8	5/16	-5	7.7	8.5	13.3	15.7	0.8	1.5	35	5075	70	10150	140	20300	2.17	55	0.34
RB16-10R16	10	3/8	-6	9.3	10.1	15.9	18.8	0.8	1.5	33	4785	66	9570	132	19140	2.56	65	0.42
RB16-13R16	12.5	1/2	-8	12.3	13.5	19.0	22.0	0.8	1.5	27.5	3990	55	7975	110	15950	3.54	90	0.54
RB16-16R16	16	5/8	-10	15.5	16.7	22.5	25.4	0.8	1.5	25	3625	50	7250	100	14500	3.94	100	0.68
RB16-19R16	19	3/4	-12	18.6	19.8	26.3	29.0	0.8	1.5	21.5	3120	43	6235	86	12470	4.72	120	0.80
RB16-25R16	25	1	-16	25.0	26.4	34.0	36.6	0.8	1.5	16.5	2390	33	4785	66	9570	5.91	150	1.15
RB16-32R16	31.5	1-1/4	-20	31.4	33.0	41.9	44.3	1.0	2.0	12.5	1812.5	25	3625	50	7250	8.27	210	1.83

# RB17 (SAE 100 R17)

Compact, 21 Mpa Maximum Working Pressure, One And Two Steel Wire Reinforced, Rubber Covered Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, steel wire reinforcement, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section cover hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~ +100°C

TYPE	Metric SIZE	SIZE	SAE	I.D.		W.D.	O.D.	W.P.		P.P.		B.P.		minB.R.		W.T
				Min	Max	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	Kg/m	
RB17-05R17	5	3/16	-3	4.6	5.4	10.1	11.6	21	3045	42	6090	84	12180	1.77	45	0.158
RB17-06R17	6.3	1/4	-4	6.2	7.0	11.0	13.2	21	3045	42	6090	84	12180	1.97	50	0.169
RB17-08R17	8	5/16	-5	7.7	8.5	13.0	15.0	21	3045	42	6090	84	12180	2.17	55	0.210
RB17-10R17	10	3/8	-6	9.3	10.1	15.0	17.0	21	3045	42	6090	84	12180	2.56	65	0.254
RB17-13R17	12.5	1/2	-8	12.3	13.5	18.8	21.1	21	3045	42	6090	84	12180	3.54	90	0.466
RB17-16R17	16	5/8	-10	15.5	16.7	23.6	25.9	21	3045	42	6090	84	12180	3.94	100	0.586
RB17-19R17	19	3/4	-12	18.6	19.8	27.7	30.3	21	3045	42	6090	84	12180	4.72	120	0.749
RB17-25R17	25	1	-16	25.0	26.4	35.6	38.6	21	3045	42	6090	84	12180	5.91	150	1.457

# EB31 (EN 853-1)

Wire Braided Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, a single steel wire braid reinforcement, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~100°C.

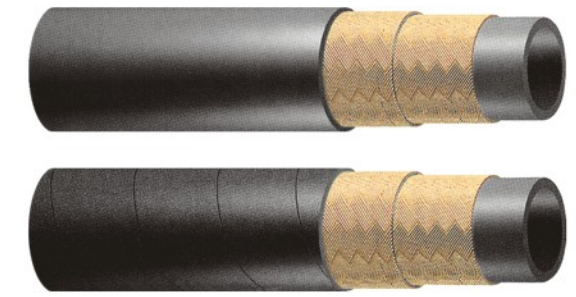
TYPE	Metric SIZE	SIZE	SAE	I.D.		W.D.		O.D.			W.P.		P.P.		B.P.		minB.R.		W.T
				Min	Max	Min	Max	1ST	1SN	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm		
																		Min	
EB31-05	5	3/16	-3	4.6	5.4	9.0	10.0	11.9	13.5	12.5	25	3625	50	7250	100	14500	3.54	90	0.20
EB31-06	6.3	1/4	-4	6.2	7.0	10.6	11.6	15.1	16.7	14.1	22.5	3260	45	6525	90	13050	3.94	100	0.25
EB31-08	8	5/16	-5	7.7	8.5	12.1	13.3	16.7	18.3	15.7	21.5	3120	43	6235	85	12325	4.53	115	0.31
EB31-10	10	3/8	-6	9.3	10.1	14.5	15.7	19.0	20.6	18.1	18	2610	36	5220	72	10440	5.12	130	0.36
EB31-13	12.5	1/2	-8	12.3	13.5	17.5	19.1	22.2	23.8	21.4	16	2320	32	4640	64	9280	7.09	180	0.45
EB31-16	16	5/8	-10	15.5	16.7	20.6	22.2	25.4	27.0	24.5	13	1885	26	3770	52	7540	7.87	200	0.52
EB31-19	19	3/4	-12	18.6	19.8	24.6	26.2	29.4	31.0	28.5	10.5	1520	21	3045	42	6090	9.45	240	0.65
EB31-25	25	1	-16	25.0	26.4	32.5	34.1	37.1	39.1	36.6	8.8	1280	17.5	2540	35	5075	11.81	300	0.91
EB31-32	31.5	1-1/4	-20	31.4	33.0	39.3	41.7	44.4	47.6	44.8	6.3	910	12.5	2175	25	3625	16.54	420	1.30
EB31-38	38	1-1/2	-24	37.7	39.3	45.6	48.0	50.8	54.0	52.1	5	725	10	1450	20	2900	19.69	500	1.70
EB31-51	51	2	-32	50.4	52.0	58.7	61.7	65.1	68.3	65.5	4	580	8	1160	16	2320	24.80	630	2.00

# EB32 (EN 853-2)

Wire Braided Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, two steel wire braid reinforcement, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~100°C.

TYPE	Metric SIZE	SIZE	SAE	I.D.		W.D.		O.D.			W.P.		P.P.		B.P.		minB.R.		W.T
				Min	Max	Min	Max	1ST	1SN	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm		
																		Min	
EB32-05	5	3/16	-3	4.6	5.4	10.6	11.6	15.1	16.7	14.1	41.5	6020	83	12035	165	23925	3.54	90	0.32
EB32-06	6.3	1/4	-4	6.2	7.0	12.1	13.3	16.7	18.3	15.7	40	5800	80	11600	160	23200	3.94	100	0.36
EB32-08	8	5/16	-5	7.7	8.5	13.7	14.9	18.3	19.9	17.3	35	5075	70	10150	140	20300	4.53	115	0.45
EB32-10	10	3/8	-6	9.3	10.1	16.1	17.3	20.6	22.2	19.7	33	4785	66	9570	132	19140	5.12	130	0.54
EB32-13	12.5	1/2	-8	12.3	13.5	19.0	20.6	23.8	25.4	23.0	27.5	3990	55	7975	110	15950	7.09	180	0.68
EB32-16	16	5/8	-10	15.5	16.7	22.2	23.8	27.0	28.6	26.2	25	3625	50	7250	100	14500	7.87	200	0.80
EB32-19	19	3/4	-12	18.6	19.8	26.2	27.8	31.0	32.6	30.1	21.5	3120	43	6235	85	12325	9.45	240	0.94
EB32-25	25	1	-16	25.0	26.4	34.1	35.7	38.5	40.9	38.9	16.5	2390	32.5	4710	65	9425	11.81	300	1.35
EB32-32	31.5	1-1/4	-20	31.4	33.0	43.3	45.7	49.2	52.4	49.5	12.5	1810	25	3625	50	7250	16.54	420	2.15
EB32-38	38	1-1/2	-24	37.7	39.3	49.6	52.0	55.6	58.8	55.9	9	1305	18	2610	36	5220	19.69	500	2.65
EB32-51	51	2	-32	50.4	52.0	62.3	64.7	68.2	71.4	68.6	8	1160	16	2320	32	4640	24.80	630	3.42

# EB41 (EN 854-1TE)

Textile Reinforced Hydraulic Rubber Hose

### CONSTRUCTION:

This hose shall consist of an oil and water resistant synthetic rubber lining, one of suitable textile yarn and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

Hydraulic fluids in accordance with ISO6743-4 with the exception of HRD R, HFD S and HFD T at temperature range of -40°C~ +100°C

TYPE	Metric SIZE	SIZE	SAE	I.D		O.D		W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	
EB41-051TE	5	3/16	-3	4.4	5.2	10	11.6	2.5	363	5	725	10	1450	1.378	35	0.093
EB41-061TE	6	1/4	-4	5.9	6.9	11.6	13.2	2.5	363	5	725	10	1450	1.772	45	0.114
EB41-081TE	8	5/16	-5	7.4	8.4	13.1	14.7	2	290	4	580	8	1160	2.559	65	0.133
EB41-101TE	10	3/8	-6	9	10	14.7	16.3	2	290	4	580	8	1160	2.953	75	0.15
EB41-121TE	12	1/2	-8	12.1	13.3	17.7	19.7	1.6	232	3.2	464	6.4	928	3.543	90	0.19
EB41-161TE	16	5/8	-10	15.3	16.5	21.9	23.9	1.6	232	3.2	464	6.4	928	4.528	115	0.277

# EB42 (EN 854-2TE)

Textile Reinforced Hydraulic Rubber Hose

### CONSTRUCTION:

This hose shall consist of an oil and water resistant synthetic rubber lining, two of suitable textile yarn and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

Hydraulic fluids in accordance with ISO6743-4 with the exception of HRD R, HFD S and HFD T at temperature range of -40°C~ +100°C

TYPE	Metric SIZE	SIZE	SAE	I.D		O.D		W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	
EB42-052TE	5	3/16	-3	4.4	5.2	11	12.6	8	1160	16	2320	32	4640	1.378	35	0.117
EB42-062TE	6	1/4	-4	5.9	6.9	12.6	14.2	7.5	1088	15	2176	30	4352	1.575	40	0.139
EB42-082TE	8	5/16	-5	7.4	8.4	14.1	15.7	6.8	986	13.6	1972	27.2	3944	1.969	50	0.157
EB42-102TE	10	3/8	-6	9	10	15.7	17.3	6.3	914	12.6	1828	25.2	3656	2.362	60	0.183
EB42-122TE	12	1/2	-8	12.1	13.3	18.7	20.7	5.8	841	11.6	1682	23.2	3364	2.756	70	0.222
EB42-162TE	16	5/8	-10	15.3	16.5	22.9	24.09	5	725	10	1450	20	2900	3.543	90	0.316
EB42-192TE	19	3/4	-12	18.2	19.8	26	28	4.5	653	9	1306	18	2612	4.331	110	0.370
EB42-252TE	25	1	-16	24.6	26.2	32.9	35.9	4	580	8	1160	16	2320	5.118	130	0.547

# EB71 (EN 857-1SC)

Wire Braided Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, single steel wire braid reinforcement, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~100°C.

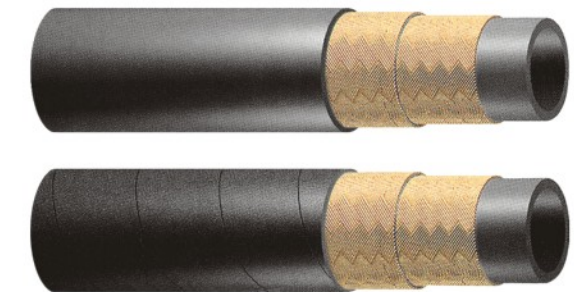
TYPE	Metric SIZE	SIZE	SAE	I.D		W.D		O.D	W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	
EB71-061SC	6.3	1/4	-4	6.1	6.9	9.6	10.8	13.5	22.5	3260	45	6525	90	13050	2.95	75	0.24
EB71-081SC	8	5/16	-5	7.7	8.5	10.9	12.1	14.5	21.5	3120	43	6235	86	12470	3.35	85	0.26
EB71-101SC	10	3/8	-6	9.3	10.1	12.7	14.5	16.9	18	2610	36	5220	72	10440	3.54	90	0.29
EB71-131SC	12.5	1/2	-8	12.3	13.5	15.9	18.1	20.4	16	2320	32	4640	64	9280	5.12	130	0.39
EB71-161SC	16	5/8	-10	15.5	16.7	19.8	21.0	23.0	13	1885	26	3770	52	7540	5.91	150	0.47
EB71-191SC	19	3/4	-12	18.6	19.8	23.2	24.4	26.7	10.5	1520	21	3045	42	6090	7.09	180	0.55
EB71-251SC	25	1	-16	25.0	26.4	30.7	31.9	34.9	8.8	1280	17.6	2550	35.2	5100	9.06	230	0.84

# EB72 (EN 857-2SC)

Wire Braided Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, two braids of steel wire reinforcement, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section cover hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~ +100°C

TYPE	Metric SIZE	SIZE	SAE	I.D		W.D		O.D	W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	
EB72-062SC	6.3	1/4	-4	6.1	6.9	10.6	11.7	14.2	40	5800	80	11600	160	23200	2.95	75	0.30
EB72-082SC	8	5/16	-5	7.7	8.5	12.1	13.3	16.0	35	5075	70	10150	140	20300	3.35	85	0.34
EB72-102SC	10	3/8	-6	9.3	10.1	14.4	15.6	18.3	33	4785	66	9570	132	19140	3.54	90	0.42
EB72-132SC	12.5	1/2	-8	12.3	13.5	17.5	19.1	21.5	27.5	3990	55	7975	110	15950	5.12	130	0.54
EB72-162SC	16	5/8	-10	15.5	16.7	20.5	22.3	24.7	25	3625	50	7250	100	14500	6.69	170	0.68
EB72-192SC	19	3/4	-12	18.6	19.8	24.6	26.4	28.6	21.5	3120	43	6235	86	12470	7.87	200	0.80
EB72-252SC	25	1	-16	25.0	26.4	32.5	34.3	36.6	16.5	2390	33	4785	66	9570	9.84	250	1.15

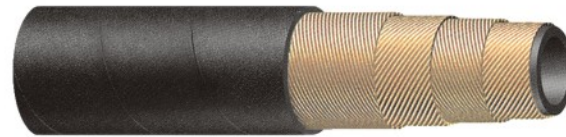


# ES61 (EN 856-4SP)

Wire Spiral Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, four spiral plies of steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~100°C.

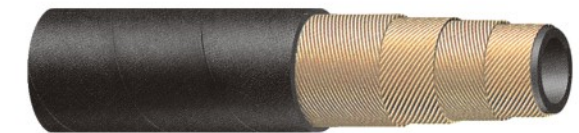
TYPE	Metric SIZE	SIZE	SAE	I.D.		W.D.		O.D.		W.P.		P.P.		B.P.		minB.R.		W.T
				Min	Max	Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	
ES61-064SP	6.3	1/4	-4	6.2	7.0	14.1	15.3	17.1	18.7	45	6525	90	13050	180	26100	5.91	150	0.64
ES61-104SP	10	3/8	-6	9.3	10.1	16.9	18.1	20.6	22.2	44.5	6450	89	12905	178	25810	7.09	180	0.75
ES61-134SP	12.5	1/2	-8	12.3	13.5	19.4	21.0	23.8	25.4	41.5	6020	83	12035	166	24070	9.06	230	0.89
ES61-164SP	16	5/8	-10	15.5	16.7	23.0	24.6	27.4	29.0	35	5075	70	10150	140	20300	9.84	250	1.10
ES61-194SP	19	3/4	-12	18.6	19.8	27.4	29.0	31.4	33.0	35	5075	70	10150	140	20300	11.81	300	1.50
ES61-254SP	25	1	-16	25.0	26.4	34.5	36.1	38.5	40.9	28	4060	56	8120	112	16240	13.39	340	2.00
ES61-324SP	31.5	1-1/4	-20	31.4	33.0	45.0	47.0	49.2	52.4	21	3045	42	6090	84	12180	18.11	460	3.00
ES61-384SP	38	1-1/2	-24	37.7	39.3	51.4	53.4	55.6	58.8	18.5	2680	37	5365	74	10730	22.05	560	3.40
ES61-514SP	51	2	-32	50.4	52.0	64.3	66.3	68.2	71.4	16.5	2390	33	4785	66	9570	25.98	660	4.35

# ES62 (EN 856-4SH)

Wire Spiral Hydraulic Hose

### CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, four spiral plies of steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.



### APPLICATIONS:

This section cover hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~ +100°C

TYPE	Metric SIZE	SIZE	SAE	I.D.		W.D.		O.D.		W.P.		P.P.		B.P.		minB.R.		W.T
				Min	Max	Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Min	Max	MPa	Psi	MPa	Psi	MPa	Psi	inch	
ES62-194SH	19	3/4	-12	18.6	19.8	27.6	29.2	31.4	33.0	42	6090	84	12180	168	24360	11.02	280	1.70
ES62-254SH	25	1	-16	25.0	26.4	34.4	36.0	37.5	39.9	38	5510	76	11020	152	22040	13.39	340	2.50
ES62-324SH	31.5	1-1/4	-20	31.4	33.0	40.9	42.9	43.9	47.1	32.5	4710	65	9425	130	18850	18.11	460	3.00
ES62-384SH	38	1-1/2	-24	37.7	39.3	47.8	49.8	51.9	55.1	29	4205	58	8410	116	16820	22.05	560	3.60
ES62-514SH	51	2	-32	50.4	52.0	62.2	64.2	66.5	69.7	25	3625	50	7250	100	14500	27.56	700	5.00

# 20BAR BLACK AIR HOSE

## CONSTRUCTION:

The inner material is made of spiral-fabric. It is durable and can be subjected to high pressure.

## APPLICATIONS:

For delivery of compressed air and other inert gases at room temperature. Used include connecting pneumatic tools and power machines, etc.



TYPE	I.D		O.D	W.P		B.P		LENGTH/ROLL
	mm	in	mm	Mpa	Psi	Mpa	Psi	
	BA50-0602-S	6.4	1/4	13.5 ± 1.0	2	300	6	
BA50-0802-S	8	5/16	16.0 ± 1.0	2	300	6	900	50
BA50-1002-S	10	3/8	18.5 ± 1.0	2	300	6	900	50
BA50-1302-F	12	1/2	21.8 ± 1.0	2	300	6	900	50
BA20-1602-F	16	5/8	25.0 ± 1.0	2	300	6	900	50
BA20-1902-F	19	3/4	28.5 ± 1.0	2	300	6	900	50
BA50-2502-F	25	1	37.6 ± 1.2	2	300	6	900	50
BA40-3202-F	32	1-1/4	46.0 ± 1.2	2	300	6	900	40
BA40-3802-F	38	1-1/2	52.8 ± 1.2	2	300	6	900	40
BA40-5102-F	51	2	64.0 ± 1.5	2	300	6	900	20

# 300PSI YELLOW AIR HOSE

## CONSTRUCTION:

The inner material is made of spiral-fabric. It is durable and can be subjected to high pressure.

## APPLICATIONS:

For delivery of compressed air and other inert gases at room temperature. Used include connecting pneumatic tools and power machines, etc.



TYPE	I.D		W.P	B.P	LENGTH/ROLL
	mm	in	Psi	Psi	
	YA05-3-F-3	5	3/16	300	
YA06-3-F-3	6	1/4	300	900	50
YA08-3-F-3	8	5/16	300	900	50
YA10-3-F-3	10	3/8	300	900	50
YA12-3-F-3	12	1/2	300	900	50
YA16-3-F-3	16	5/8	300	900	50
YA19-3-F-3	19	3/4	300	900	50
YA25-3-F-3	25	1	300	900	50
YA32-3-F-3	32	1-1/4	300	900	40
YA38-3-F-3	38	1-1/2	300	900	40
YA51-3-F-3	51	2	300	900	20

# 400PSI YELLOW AIR HOSE

## CONSTRUCTION:

The inner material is made of spiral-fabric. It is durable and can be subjected to high pressure.

## APPLICATIONS:

For delivery of compressed air and other inert gases at room temperature. Used include connecting pneumatic tools and power machines, etc.



TYPE	I.D		W.P	B.P	LENGTH/ROLL
	mm	in	Psi	Psi	
YA05-3-F-4	5	3/16	400	1200	50
YA06-3-F-4	6	1/4	400	1200	50
YA08-3-F-4	8	5/16	400	1200	50
YA10-3-F-4	10	3/8	400	1200	50
YA13-3-F-4	12	1/2	400	1200	50
YA16-3-F-4	16	5/8	400	1200	50
YA19-3-F-4	19	3/4	400	1200	50
YA25-3-F-4	25	1	400	1200	50
YA32-3-F-4	32	1-1/4	400	1200	40
YA38-3-F-4	38	1-1/2	400	1200	40
YA51-3-F-4	51	2	400	1200	20

# MULTIPURPOSE HOSE

FUEL & GASOLINE Safety factor: 3:1  
Oil Fuel and Gasoline 2.0MPa / 300PSI (100% rubber hose)

## CONSTRUCTION:

This hose shall consist of an inner tube of seamless oil, fuel and gasoline resistant synthetic rubber, A high resistance synthetic fiber braid reinforcement. And A black wrapped, weather and abrasion resistant synthetic rubber



## APPLICATIONS:

oil, fuel and gasoline on automotive, and service stations Temperature range: - 40°C (- 40°F) + 100°C (+ 212°F)

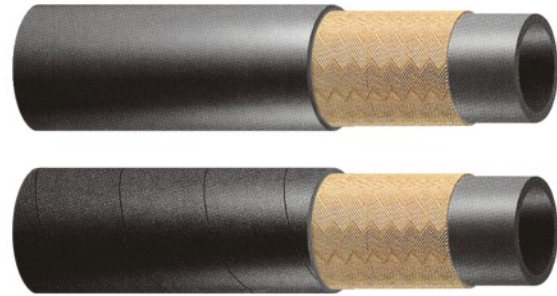
TYPE	Metric SIZE	Metric SAE	I.D		O.D		W.P		B.P		minB.R		W.T
			mm	inch	mm	inch	MPa	Psi	MPa	Psi	mm	inch	
TO1-05	3/16"	-3	4.8	0.19	11.1	0.44	2.0	300	6.0	900	50	2.0	0.10
TO1-06	1/4"	-4	6.4	0.25	14.0	0.55	2.0	300	6.0	900	60	2.4	0.12
TO1-08	5/16"	-5	7.9	0.31	15.5	0.61	2.0	300	6.0	900	80	3.2	0.15
TO1-10	3/8"	-6	9.5	0.37	17.5	0.69	2.0	300	6.0	900	100	3.9	0.16
TO1-13	1/2"	-8	12.7	0.50	22.0	0.87	2.0	300	6.0	900	125	4.9	0.24
TO1-16	5/8"	-10	15.9	0.63	26.5	1.04	2.0	300	6.0	900	160	6.3	0.27
TO1-19	3/4"	-12	19.1	0.75	29.4	1.16	2.0	300	6.0	900	190	7.5	0.40
TO1-25	1"	-16	25.4	1.00	36.2	1.43	2.0	300	6.0	900	254	10.0	0.55
TO1-32	1.1/4"	-20	31.8	1.25	43.5	1.71	2.0	300	6.0	900	320	12.6	1.17
TO1-38	1.1/2"	-24	38.1	1.50	50.5	1.99	2.0	300	6.0	900	380	15.0	1.33
TO1-51	2"	-32	50.8	2.00	63.2	2.49	2.0	300	6.0	900	510	20.1	1.96

# PRESSURE WASH HOSE 1W

High-quality Wire Braided Washing Hose

## CONSTRUCTION:

This hose shall consist of an inner tube of environment resistant synthetic rubber, a single steel wire braid reinforcement, and weather resistant synthetic rubber cover.



## APPLICATIONS:

This section covers hose for use with high pressure water and water blasting within a temperature range of -40°C~135°C.

Color available:black,blue

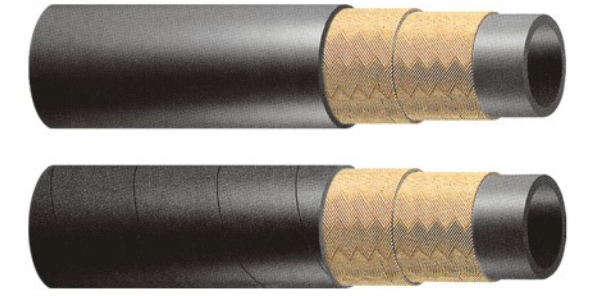
TYPE	Metric SIZE	SIZE	SAE	I.D		W.D		O.D 1W	W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max		MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi
PW31-05	5	3/16	-3	4.6	5.4	9.0	10.0	12.5	25	3625	50	7250	100	14500	3.54	90	0.20
PW31-06	6.3	1/4	-4	6.2	7.0	10.6	11.6	14.1	22.5	3260	45	6525	90	13050	3.94	100	0.25
PW31-08	8	5/16	-5	7.7	8.5	12.1	13.3	15.7	21.5	3120	43	6235	85	12325	4.53	115	0.31
PW31-10	10	3/8	-6	9.3	10.1	14.5	15.7	18.1	18	2610	36	5220	72	10440	5.12	130	0.36
PW31-13	12.5	1/2	-8	12.3	13.5	17.5	19.1	21.4	16	2320	32	4640	64	9280	7.09	180	0.45
PW31-16	16	5/8	-10	15.5	16.7	20.6	22.2	24.5	13	1885	26	3770	52	7540	7.87	200	0.52
PW31-19	19	3/4	-12	18.6	19.8	24.6	26.2	28.5	10.5	1520	21	3045	42	6090	9.45	240	0.65
PW31-25	25	1	-16	25.0	26.4	32.5	34.1	36.6	8.8	1280	17.5	2540	35	5075	11.81	300	0.91

# PRESSURE WASH HOSE 2W

High-quality Wire Braided Washing Hose

## CONSTRUCTION:

This hose shall consist of an inner tube of environment resistant synthetic rubber, a two steel wires braid reinforcement, and weather resistant synthetic rubber cover.



## APPLICATIONS:

This section covers hose for use with high pressure water and water blasting within a temperature range of -40°C~135°C.

Color available:black,blue

TYPE	Metric SIZE	SIZE	SAE	I.D		W.D		O.D 2W	W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max		MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi
PW32-05	5	3/16	-3	4.6	5.4	10.6	11.6	14.1	41.5	6020	83	12035	165	23925	3.54	90	0.32
PW32-06	6.3	1/4	-4	6.2	7.0	12.1	13.3	15.7	40	5800	80	11600	160	23200	3.94	100	0.36
PW32-08	8	5/16	-5	7.7	8.5	13.7	14.9	17.3	35	5075	70	10150	140	20300	4.53	115	0.45
PW32-10	10	3/8	-6	9.3	10.1	16.1	17.3	19.7	33	4785	66	9570	132	19140	5.12	130	0.54
PW32-13	12.5	1/2	-8	12.3	13.5	19.0	20.6	23.0	27.5	3990	55	7975	110	15950	7.09	180	0.68
PW32-16	16	5/8	-10	15.5	16.7	22.2	23.8	26.2	25	3625	50	7250	100	14500	7.87	200	0.80
PW32-19	19	3/4	-12	18.6	19.8	26.2	27.8	30.1	21.5	3120	43	6235	85	12325	9.45	240	0.94
PW32-25	25	1	-16	25.0	26.4	34.1	35.7	38.9	16.5	2390	32.5	4710	65	9425	11.81	300	1.35

# EXTREMELY HIGH TEMPERATURE EPDM PRESSURE WASH HOSE 1W

High-quality Wire Braided Washing Hose

## CONSTRUCTION:

This hose shall consist of an inner tube of environment resistant synthetic rubber, a single steel wire braid reinforcement, and weather resistant synthetic rubber cover.



## APPLICATIONS:

This section covers hose for use with high pressure water and water blasting within a temperature range of -40°C~155°C.

Color available:black,blue

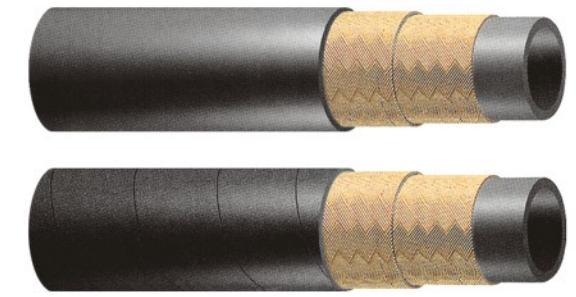
TYPE	Metric SIZE	SIZE	SAE	I.D		W.D		O.D 1W	W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max		MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi
PW31-05	5	3/16	-3	4.6	5.4	9.0	10.0	12.5	25	3625	50	7250	100	14500	3.54	90	0.20
PW31-06	6.3	1/4	-4	6.2	7.0	10.6	11.6	14.1	22.5	3260	45	6525	90	13050	3.94	100	0.25
PW31-08	8	5/16	-5	7.7	8.5	12.1	13.3	15.7	21.5	3120	43	6235	85	12325	4.53	115	0.31
PW31-10	10	3/8	-6	9.3	10.1	14.5	15.7	18.1	18	2610	36	5220	72	10440	5.12	130	0.36
PW31-13	12.5	1/2	-8	12.3	13.5	17.5	19.1	21.4	16	2320	32	4640	64	9280	7.09	180	0.45
PW31-16	16	5/8	-10	15.5	16.7	20.6	22.2	24.5	13	1885	26	3770	52	7540	7.87	200	0.52
PW31-19	19	3/4	-12	18.6	19.8	24.6	26.2	28.5	10.5	1520	21	3045	42	6090	9.45	240	0.65
PW31-25	25	1	-16	25.0	26.4	32.5	34.1	36.6	8.8	1280	17.5	2540	35	5075	11.81	300	0.91

# EXTREMELY HIGH TEMPERATURE EPDM PRESSURE WASH HOSE 2W

High-quality Wire Braided Washing Hose

## CONSTRUCTION:

This hose shall consist of an inner tube of environment resistant synthetic rubber, a two steel wires braid reinforcement, and weather resistant synthetic rubber cover.



## APPLICATIONS:

This section covers hose for use with high pressure water and water blasting within a temperature range of -40°C~155°C.

Color available:black,blue

TYPE	Metric SIZE	SIZE	SAE	I.D		W.D		O.D 2W	W.P		P.P		B.P		minB.R		W.T
				Min	Max	Min	Max		MPa	Psi	MPa	Psi	MPa	Psi	inch	mm	
				mm	inch	1/16	Min	Max	Min	Max	Max	MPa	Psi	MPa	Psi	MPa	Psi
PW32-05	5	3/16	-3	4.6	5.4	10.6	11.6	14.1	41.5	6020	83	12035	165	23925	3.54	90	0.32
PW32-06	6.3	1/4	-4	6.2	7.0	12.1	13.3	15.7	40	5800	80	11600	160	23200	3.94	100	0.36
PW32-08	8	5/16	-5	7.7	8.5	13.7	14.9	17.3	35	5075	70	10150	140	20300	4.53	115	0.45
PW32-10	10	3/8	-6	9.3	10.1	16.1	17.3	19.7	33	4785	66	9570	132	19140	5.12	130	0.54
PW32-13	12.5	1/2	-8	12.3	13.5	19.0	20.6	23.0	27.5	3990	55	7975	110	15950	7.09	180	0.68
PW32-16	16	5/8	-10	15.5	16.7	22.2	23.8	26.2	25	3625	50	7250	100	14500	7.87	200	0.80
PW32-19	19	3/4	-12	18.6	19.8	26.2	27.8	30.1	21.5	3120	43	6235	85	12325	9.45	240	0.94
PW32-25	25	1	-16	25.0	26.4	34.1	35.7	38.9	16.5	2390	32.5	4710	65	9425	11.81	300	1.35

## THE DIRECTION FOR USING HOSE

### A. When choosing hose, please pay attention to the followings:

Working Environment: Working temperature, weather, and the connection with other materials;  
 Conveyable Matter: Liquid, gases, solid, or the mixture of above matters;  
 Convey Ways: Delivery matter under the pressure, delivery and suction under vacuum;  
 Working Condition: The pressure and temperature for conveying matter, Use frequency, impulse and movements;  
 Installation: Bending, vibration of the system, the risk of damaged caused by hitting and friction, application of the right connecting mode.

### B. There is a limited life for hose assembly; please pay attention that the followings would reduce the hose useful life:

- Make the bend radius smaller than the min bend radius;
- Twisting, stretching, weld line, squeeze or corrode the hose;
- To be used at exceeded max temperature or lower the min temperature;
- To be used under the impulse pressure exceeding the max working pressure (the impulse pressure means the rapid rise of pressure);
- The quality of fitting is not up to the standard and assembling is not well.

## INSTALLING FLEXIBLE HOSE

The length of hose assembly should be according to the necessity of installation. We should take it in our consideration that the hose would be shorter or longer under the pressure according to the standard regulation.

In order not to reduce the useful life caused by the load, the hose assembly installation should meet following requirements:

- Before installing the hose and the hose assembly, you should check the inner, and make sure they are clean and no stem. And there must not be foreign impurity or small thing in the fittings. Surface defects, especially the hose fitting mandril's, would cause a dangerous of leakiness, we should be avoid of using it;
- It should not be twisted (see illustrations 1);
- Except itself weight, reduce the additional tension while the hose is working. (see illustrations 2);
- It is not allowed to install under the bend radius is less than the stipulated minimum bend radius. (see illustrations 3);
- In the installation, the hose length should be at least in 1.5 times diameters of the hose, or it will become hinged bearing. (see illustrations 4);

### C. Requirements for using hose:

- The pressure (including the impulse pressure) filled in the hose must not be exceeded the max working pressure;
- Hose can not be used under the temperature not stipulated or suggested including the conveyable matter's temperature and environment temperature;
- Hose can not be used under the bend radius that is smaller than min bend radius stipuated or suggested, or it will block the matter passing, and reduce the hose useful life. The hose should be precent from twisting or warping around the connection part, because the bending for this part will damage the reinforcement, as a result, the hose will be damaged quickly;
- The hose can not be used when it is twisted;
- The edge of hose fitting should be smooth; the size of mandril, sleeve or other accessory must be in confirmed. Less or more control of assembling power will also damage the assembly.
- There is a limited life for hose, please check and change it regularly.

6. Do some relevant measure to avoid the damage caused by external equioment. (see illustrations 5);

7. Avoiding addition load to the hose via using suitable fittings or connections. (see illustrations 6);

8. When there is movement or bend on one plane on hose, please do some reasonable installation to avoid its twisting. (see illustrations 7);

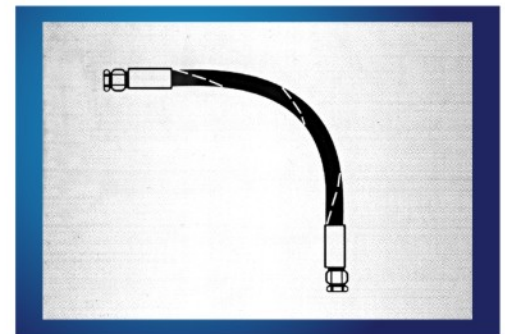
9. When put some active components use in hose assembly, the bend radius can not be less than the min bend radius and can not add addition tension during the whole movement. (see illustrations 8)

10. When infibulating hose, can not use the infibulated mode that obstruct the normal movement and change hose length. (see illustrations 9)

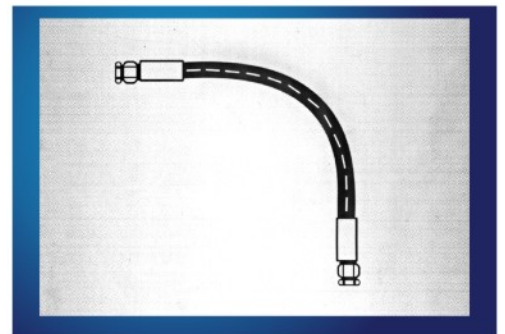
11. It should reduce the power caused by the vibrating to minimum, and it is better to be prevent from it. If the hose assembly is connected to the hard component, it should adopt suitable hoop and fit it near to the connection.

12. Be avoiding heat radiation; for example, be not near the exhausting system. The hose can be protected by the thermal-protective coating or adiabatic material.

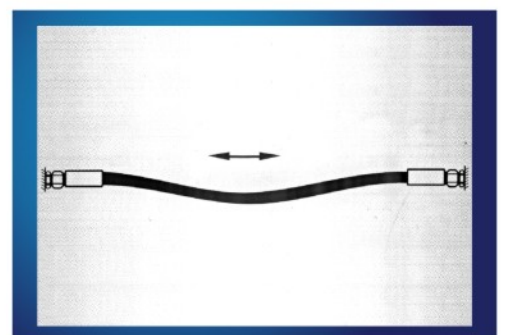
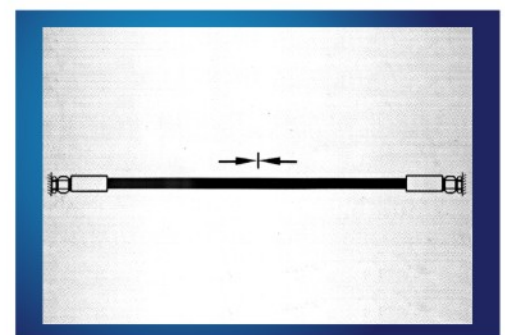
WRONG



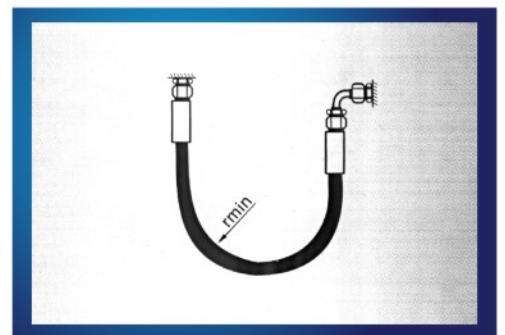
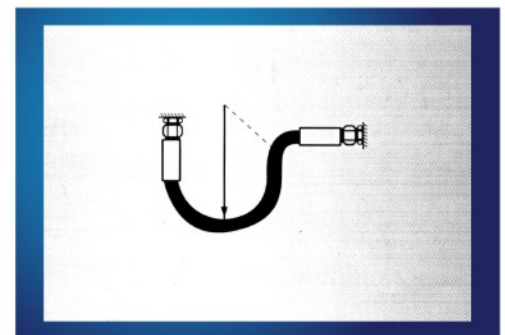
CORRECT



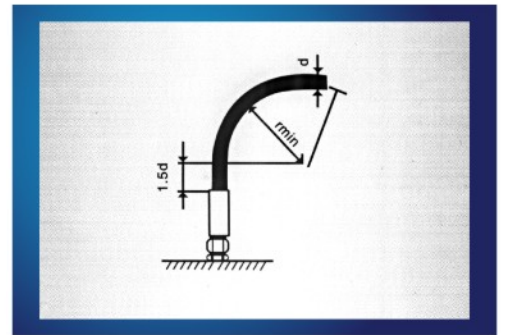
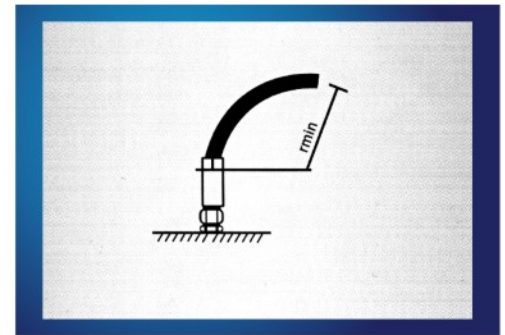
Illustrations 1: Can not be twisting



Illustrations 2: Reduce the tension while it's working



Illustrations 3: The bend radius can not be less than the u bend radius



Illustrations 4: Avoiding the hinged bearing