

HYDRAULIC HOSE

Intraflex Rubber Hose

SAE 100R1AT / DIN EN 1SN



Application: Medium pressure hydraulic applications including mobile, machine tool and agricultural applications, using petroleum or water based hydraulic fluids.

Inner Tube: Nitrile

Reinforcement: One braid of high-tensile steel wire

Cover Compound: Neoprene

Temperature Range: -40°C ~ +100°C

Specification:

Part No.	Hose Side ID		Hose Side OD		Working Pressure		Bend Radius		Burst Pressure		Weight (kg/mtr)
	Inch	mm	Inch	mm	psi	Mpa	Inch	mm	psi	Mpa	
I103	3/16	4.8	0.47	11.9	3630	25	3.5	89	14520	100.1	0.16
I104	1/4	6.4	0.534	13.6	3270	22.5	4	102	13080	90.2	0.23
I105	5/16	7.9	0.595	15.1	3120	21.5	4.5	114	12480	86	0.26
I106	3/8	9.5	0.689	17.5	2615	18	5	127	10460	72.1	0.33
I108	1/2	12.7	0.813	20.7	2320	16	7	178	9280	64	0.43
I110	5/8	15.9	0.938	23.8	1890	13	8	203	7560	52.1	0.49
I112	3/4	19	1.096	27.8	1530	10.5	9.5	241	6120	42.2	0.62
I116	1	25.4	1.408	35.8	1280	8.8	12	305	5120	35.3	0.92
I120	1 1/4	31.8	1.696	43.1	920	6.3	16.5	419	3680	25.4	1.25
I124	1 1/2	38.1	1.971	50.1	730	5	20	508	2920	20.1	1.61
I132	2	50.8	2.503	63.6	580	4	25	635	2320	16	2.00

HYDRAULIC HOSE

Intraflex Rubber Hose

SAE 100R2AT / DIN EN 2SN



Application: High pressure hydraulic oil lines used in construction, machine tool and agricultural applications using petroleum or water based hydraulic fluids.

Inner Tube: Nitrile

Reinforcement: Two braids of high-tensile steel wire

Cover Compound: Neoprene

Temperature Range: -40°C ~ +100°C

Specification:

Part No.	Hose Side ID		Hose Side OD		Working Pressure		Bend Radius		Burst Pressure		Weight (kg/mtr)
	Inch	mm	Inch	mm	psi	Mpa	Inch	mm	psi	Mpa	
I203	3/16	4.8	0.484	12.3	6000	41.4	3.5	89	24000	165.5	0.30
I204	1/4	6.4	0.593	15.1	5800	40	4	102	23200	160	0.36
I205	5/16	7.9	0.649	16.5	5075	35	4.5	114	20300	140	0.43
I206	3/8	9.5	0.753	19.1	4800	33.1	5	127	19200	132.4	0.49
I208	1/2	12.7	0.875	22.2	4000	27.6	7	178	16000	110.3	0.66
I210	5/8	15.9	1	25.4	3630	25	8	203	14520	100.1	0.75
I212	3/4	19	1.157	29.4	3120	21.5	9.5	241	12480	86	0.92
I216	1	25.4	1.5	38.1	2400	16.5	12	305	9600	66.2	1.31
I220	1 1/4	31.8	1.877	47.7	1820	12.5	16.5	419	7280	50.2	1.94
I224	1 1/2	38.1	2.129	54.1	1310	9	20	508	5240	36.1	2.40
I232	2	50.8	2.627	66.7	1160	8	25	635	4640	32	2.95

HYDRAULIC HOSE

Intraflex Rubber Hose

DIN EN 856 4SP



Application: Very high pressure, pulsating applications used for petroleum based hydraulic fluids.

Inner Tube: Neoprene

Reinforcement: Four alternating layers of spiraled high-tensile steel wire

Cover Compound: Neoprene

Temperature Range: -40°C ~ +100°C

Specification:

Part No.	Hose Side ID		Hose Side OD		Working Pressure		Bend Radius		Burst Pressure		Weight (kg/mtr)
	Inch	mm	Inch	mm	psi	Mpa	Inch	mm	psi	Mpa	
4SPI-04	1/4	6.4	0.705	17.9	6500	45.2	6	152	26200	180.6	0.59
4SPI-06	3/8	9.5	0.843	21.4	6450	44.5	7	178	25800	177.9	0.75
4SPI-08	1/2	12.7	0.969	24.6	6000	41.4	9	229	24000	165.5	0.89
4SPI-10	5/8	15.9	1.11	28.2	5000	34.5	10	254	20000	137.9	1.08
4SPI-12	3/4	19	1.268	32.2	5000	34.5	12	305	20000	137.9	1.44
4SPI-16	1	25.4	1.563	39.7	4000	27.6	13.5	343	16000	110.3	1.97

HYDRAULIC HOSE

Intraflex Rubber Hose

DIN EN 856 4SH



Application: Very high pressure, pulsating applications used for petroleum based hydraulic fluids.

Inner Tube: Neoprene

Reinforcement: Four alternating layers of spiraled high-tensile steel wire

Cover Compound: Neoprene

Temperature Range: -40°C ~ +100°C

Specification:

Part No.	Hose Side ID		Hose Side OD		Working Pressure		Bend Radius		Burst Pressure		Weight (kg/mtr)
	Inch	mm	Inch	mm	psi	Mpa	Inch	mm	psi	Mpa	
4SHI-12	3/4	19	1.268	32.2	6000	41.4	11	279	24000	165.5	1.57
4SHI-16	1	25.4	1.524	38.7	5500	37.9	13.5	343	22000	151.7	1.94
4SHI-20	1 1/4	31.8	1.791	45.5	4700	32.4	18.5	470	18800	129.6	2.46
4SHI-24	1 1/2	38.1	2.106	53.5	4200	29	22.5	572	16800	115.8	3.25
4SHI-32	2	50.8	2.681	68.1	3650	25.2	28	711	14600	100.7	4.66

HYDRAULIC HOSE

Intraflex Rubber Hose

SAE 100R13



Application: Very high pressure applications subject to surges or flexing such as construction equipment, mining and the high performance industrial market.

Reinforcement: Six layers of spiral high-tensile steel wire

Temperature Range: -40°C ~ +120°C

Specification:

Part No.	Hose Side ID		Hose Side OD		Working Pressure		Bend Radius		Burst Pressure		Weight (kg/mtr)
	Inch	mm	Inch	mm	psi	Mpa	Inch	mm	psi	Mpa	
GR13-12	3/4	19	1.264	32.1	5000	34.5	9.5	241	20000	137.9	1.54
GR13-16	1	25.4	1.524	38.7	5000	34.5	12	305	20000	137.9	2.00
GR13-20	1 1/4	31.8	1.961	49.8	5000	34.5	16.5	419	20000	137.9	3.58
GR13-24	1 1/2	38.1	2.256	57.3	5000	34.5	20	508	20000	137.9	4.99
GR13-32	2	50.8	2.799	71.1	5000	34.5	25	635	20000	137.9	6.53

HYDRAULIC HOSE

Intraflex Rubber Hose

2SN HIGH TEMPERATURE HOSE



Inner Tube: high temperature hydraulic oil resistant synthetic rubber

Reinforcement: High tensile 2 steel wire braids

Cover Compound: Oil, abrasion and weather resistant synthetic rubber (Blue Cover)


Temperature Range: -50°C to +135°C (+150°C


max

Part No.	Hose Side ID		Hose Side OD mm	Working Pressure		Bend Radius mm	Burst Pressure		Weight (kg/mtr)
	Inch	mm		psi	bar		psi	bar	
R204HT	1/4	6.4	15	5800	400	102	23200	1600	0.40
R206HT	3/8	9.5	18.9	4785	330	127	19140	1320	0.57
R208HT	1/2	12.7	22.2	3988	275	178	15950	1100	0.68
R212HT	3/4	19	29.2	3118	215	241	12325	850	0.99
R216HT	1	25.4	37.2	2393	165	305	9425	650	1.38
R220HT	1 1/4	31.8	47.3	1813	125	419	7250	500	2.04
R224HT	1 1/2	38.1	53.7	1305	90	508	5220	360	2.28
R232HT	2	50.8	66.7	1131	78	635	4500	310	3.97

HYDRAULIC HOSE


Sae 100 R1AT - 1 Wire Thin Cover DIN 20022 1SN - EN 853 1SN				
Part No	Size	W.P. (Psi)	Price	Visual
I104	¼"	2750		
I106	⅜"	2250		
I108	½"	2000		
I110	⅝"	1500		
I112	¾"	1250		
I116	1"	1000		
I120	1¼"	625		
I124	1½"	500		
I132	2"	375		

4SP - 4 Spiral Black DIN 20023 4SP - EN 856 4SP				
Part No	Size	W.P. (Psi)	Price	Visual
4SPI-04	¼"	6550		
4SPI-06	⅜"	6450		
4SPI-08	½"	6000		
4SPI-10	⅝"	5000		
4SPI-12	¾"	5000		
4SPI-16	1"	4000		
4SPI-20	1¼"	4000		
4SPI-24	1½"	3750		
4SPI-32	2"	3000		

SAE 100 R2AT - 2 Wire Thin Cover DIN 20022 2SN - EN 853 2SN				
Part No	Size	W.P. (Psi)	Price	Visual
I204	¼"	5800		
I206	⅜"	4800		
I208	½"	4000		
I210	⅝"	3630		
I212	¾"	3120		
I216	1"	2400		
I220	1¼"	1820		
I224	1½"	1310		
I232	2"	1160		

4SH - 4 Spiral Black DIN 20023 4SH - EN 856 4SH				
Part No	Size	W.P. (Psi)	Price	Visual
4SHI-12	¾"	6000		
4SHI-16	1"	5500		
4SHI-20	1¼"	5000		
4SHI-24	1½"	4200		
4SHI-32	2"	3650		

Sae 100 R12 - 4 Wire Spiral Hose Grey Sae J517 - EN 856				
Part No	Size	W.P. (Psi)	Price	Visual
P12-06	⅜"	4000		
P12-08	½"	4000		
P12-10	⅝"	4000		
P12-12	¾"	4000		
P12-16	1"	4000		
P12-20	1¼"	3000		
P12-24	1½"	2500		
P12-32	2"	2500		

SAE 100 R13 - 6 Spiral Hose SAE J517 100 R13 EN 856 R13				
Part No	Size	W.P. (Psi)	Price	Visual
R13I-12	¾"	5000		
R13I-16	1"	5000		
R13I-20	1¼"	5000		
R13I-24	1½"	5000		
R13I-32	2"	5000		