

HIGH PRESSURE HYDRAULIC HOSES

DEEP-JYOTI HYD. ENGG. CO. SAE 100 R-1



Dash Size	Hose I. D.		Hose O.D.		Working Pressure		Minimum Burst Pressure		Minimum Burst Radius	
	mm	Inch	mm	Inch	Bar	PSI	Bar	PSI	mm	Inch
01-3	4.9	0.19	12.7	0.50	250	3625	840	12180	88.9	3.50
01-4	6.4	0.25	15.8	0.62	230	3335	770	11165	101.6	4.00
01-5	7.9	0.31	17.6	0.69	230	3120	700	10150	114.3	4.50
01-6	9.7	0.38	19.9	0.78	210	3045	630	9135	127.0	5.00
01-8	12.7	0.50	23.2	0.91	175	2538	560	8120	177.8	7.00
01-10	15.8	0.62	26.2	1.03	145	2103	420	6090	203.2	8.00
01-12	19.1	0.75	30.3	1.19	125	1813	350	5075	241.3	9.50
01-16	25.4	1.00	38.1	1.50	100	1450	280	4060	304.8	12.00
01-20	31.8	1.25	46.0	1.81	75	1088	175	2538	419.1	16.50
01-24	38.1	1.50	52.4	2.06	50	725	140	2030	508.0	20.00
01-32	50.8	2.00	66.6	2.62	42	609	105	1523	635.0	25.00

CONSTRUCTION : Oil resistant synthetic rubber inner tube, single wire braid reinforcement and an oil and weather resistant synthetic rubber outer cover.

APPLICATION : For hydraulics, air, gasoline, crude, fuel and lubricating oils.

CONFORMS TO : SAE J 517 d-100 R1 ISO 1436-1978 Type-1 IS 7651 - 1979 Type 1

DEEP-JYOTI HYD. ENGG. CO. SAE 100 R-2



02-3	4.9	0.19	15.7	0.62	345	5000	1400	20300	88.9	3.50
02-4	6.4	0.25	17.5	0.69	400	5800	1400	20300	101.6	4.00
02-5	7.9	0.31	19.0	0.75	293	4250	1172	17000	127.0	4.50
02-6	9.7	0.38	21.3	0.84	350	5075	1120	16240	127.0	5.00
02-8	12.7	0.50	24.6	0.97	300	4350	980	14210	177.8	7.00
02-10	15.8	0.62	27.7	1.09	245	3553	770	11165	203.2	8.00
02-12	19.1	0.75	31.8	1.25	225	3263	630	9135	241.3	9.50
02-16	25.4	1.00	39.6	1.56	175	2538	560	8120	304.8	12.00
02-20	31.8	1.25	50.8	2.00	165	2393	455	6598	419.1	16.50
02-24	38.1	1.50	57.2	2.25	135	1958	350	5075	508.0	20.00
02-32	50.8	2.00	69.90	2.75	95	1378	315	4568	635.0	25.00

CONSTRUCTION : Oil resistant synthetic rubber inner tube, double wire braid reinforcement and an oil and weather resistant synthetic rubber outer cover.

APPLICATION : For high pressure hydraulics subjected to high surge peaks.

CONFORMS TO : SAE J 517 d-100 R2 ISO 1436-1978 Type-2 IS 7651-1979 Type-2

DEEP-JYOTI HYD. ENGG. CO. SAE 100 R-4




04-12	19.1	0.75	34.9	1.375	21	300	84	1200	127.0	5.00
04-16	25.4	1.00	41.3	1.625	18	250	70	1000	152.4	6.00
04-20	31.8	1.25	50.8	2.000	14	200	56	800	203.2	8.00
04-24	38.1	1.50	57.1	2.250	11	150	42	600	254.0	10.00
04-32	50.8	2.00	69.8	2.750	7	100	28	400	304.8	12.00

CONSTRUCTION : Oil resistant synthetic rubber inner tube, double textile braid reinforcement with a suitable spiral of body wire and an oil and weather resistant synthetic rubber outer cover.

APPLICATION : For use in low pressure and vacuum applications with petroleum and water base hydraulic fluids.

CONFORMS TO : Suitable between -40°C and + 93°C (-40°F and + 200°F)

HIGH PRESSURE HYDRAULIC HOSES

DEEP-JYOTI HYD. ENGG. CO. SAE 100 R-3	Dash Size	Hose I. D.		Hose O.D.		Working Pressure		Minimum Burst Pressure		Minimum Burst Radius	
		mm	Inch	mm	Inch	Bar	PSI	Bar	PSI	mm	Inch
			03-3	4.8	0.188	12.7	0.500	104	1500	414	6000
	03-4	6.3	0.250	14.3	0.563	87	1250	345	5000	76.2	3.00
	03-5	7.9	0.312	17.5	0.687	83	1200	332	4800	101.6	4.00
	03-6	9.5	0.375	19.1	0.750	78	1125	311	4500	101.6	4.00
	03-8	12.7	0.500	23.8	0.937	69	1000	276	4000	127.0	5.00
	03-10	15.9	0.625	27.0	1.063	61	875	242	3500	139.7	5.50
	03-12	19.1	0.750	31.8	1.250	52	750	207	3000	152.4	6.00
	03-16	25.4	1.000	38.1	1.500	39	565	156	2250	203.2	8.00
	03-20	31.8	1.250	44.4	1.750	26	375	104	1500	254.0	10.00

CONSTRUCTION : Oil resistant synthetic rubber inner tube, double textile braid reinforcement and an oil and weather resistant synthetic rubber outer cover.

APPLICATION : For hydraulics, gasoline, crude, fuel and lubricating oils.

CONFORMS TO : SAE J 517 d-100 R3 ISO 4079-1978

DEEP-JYOTI HYD. ENGG. CO. SAE 100 R-5



5R-4	4.8	0.188	13.2	0.519	210	3045	840	12180	76.2	3.000
5R-5	6.3	0.250	14.8	0.581	210	3045	840	12180	85.7	3.375
5R-6	7.9	0.312	17.2	0.676	160	2320	630	9135	101.6	4.000
5R-8	10.3	0.406	19.4	0.766	140	2030	560	8120	117.5	4.625
5R-10	12.7	0.500	23.4	0.922	125	1812	490	7105	139.7	5.500
5R-12	15.9	0.625	27.4	1.078	105	1522	420	6090	165.1	6.500
5R-16	22.2	0.875	31.4	1.234	56	812	225	3262	187.3	7.375
5R-20	28.6	1.125	38.10	1.500	45	652	175	2537	228.6	9.000
5R-24	34.9	1.375	44.4	1.750	35	507	140	2030	266.7	10.500
5R-32	46.10	1.812	56.4	2.319	25	362	100	1450	336.5	13.250

CONSTRUCTION: Synthetic rubber tube, textile inner braid, single wire braid reinforcement and synthetic rubber outer cover.

APPLICATION : Hydraulics, gasoline, crude, fuel and lubricating oils, air and weather.

CONFORMS TO : SAE J 517 d-100 R5

DEEP-JYOTI HYD. ENGG. CO. SAE 100 R-6



06-3	4.8	0.188	11.1	0.437	35	500	138	2000	50.8	2.00
06-4	6.3	0.250	12.7	0.500	28	400	111	1600	63.5	2.50
06-5	7.9	0.312	14.3	0.563	28	400	111	1600	76.2	3.00
06-6	9.5	0.375	15.9	0.625	28	400	111	1600	76.2	3.00
06-8	12.7	0.500	19.8	0.781	28	400	111	1600	101.6	4.00
06-10	15.9	0.625	23.0	0.906	25	350	97	1400	127.0	5.00

CONSTRUCTION: Oil resistant synthetic rubber inner tube, single textile braid reinforcement and an oil and weather resistant synthetic rubber outer cover.

APPLICATION : For hydraulics, gasoline, crude, fuel and lubricating oils.

CONFORMS TO : SAE J 517 d-100 R6 ISO 4079-1978