

HOW TO SELECT A HYDRAULIC HOSE FOR YOUR PROJECT



One Wire Braid Hose - SAE100 R1AT / 1SN

Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: 1 One Single Wire Braid Reinforcement Cover: Oil And Weather Resistant Synthetic

Mineral oils, vegetable and rapeseed oils, glycol and- polyglycol based oils,

Synthetic ester based oils, oils in aque- ous emulsion, water.

Temperature Range: -40°C~+100°C. with peak of +125°C



HOSE	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MAX W.P.		BURST PRESS		MIN.BEND RADIUS	Weight
PART NO.	mm	DASH	inch	mm	mm	Bar	Psi	Bar	Psi	mm	kg/m
1SN-04	6	-04	1/4"	6.4	13.4	225	3260	900	13050	102	0.23
1SN-05	8	-05	5/16"	7.9	15	215	3118	860	12473	115	0.31
1SN-06	10	-06	3/8"	9.5	17.4	180	2610	720	10440	127	0.32
1SN-08	12	-08	1/2"	12.7	20.7	160	2320	640	9280	178	0.41
1SN-10	16	-10	5/8"	15.9	23.9	130	1885	520	7540	203	0.52
1SN-12	20	-12	3/4"	19.1	27.8	105	1520	420	6090	241	0.66
1SN-16	25	-16	1"	25.4	35.6	88	1275	350	5075	305	1.02
1SN-20	32	-20	1.1/4"	31.8	43.5	63	910	252	3654	419	1.35
1SN-24	40	-24	1.1/2"	38.1	50.6	50	200	200	2900	508	1.60
1SN-32	50	-32	2"	50.8	64.0	40	160	160	2320	635	2.00

Two Wire Braid Hose - SAE100 R2AT / 2SN

Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: 2 Two Single Wire Braid Reinforcement Cover: Oil And Weather Resistant Synthetic

Mineral oils, vegetable and rapeseed oils, glycol and- polyglycol based oils,

Synthetic ester based oils, oils in aque- ous emulsion, water.

Temperature Range: -40°C~+100°C. with peak of +125°C



HOSE	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MAX W.P.		BURST PRESS		MIN.BEND RADIUS	Weight
PART NO.	mm	DASH	inch	mm	mm	Bar	Psi	Bar	Psi	mm	kg/m
2SN-04	6	-04	1/4"	6.4	15.0	400	5800	1600	23200	122	0.35
2SN-05	8	-05	5/16"	7.9	16.6	350	5076	1400	20305	130	0.45
2SN-06	10	-06	3/8"	9.5	19	330	4785	1320	19140	148	0.50
2SN-08	12	-08	1/2"	12.7	22.2	275	3985	1100	15950	197	0.63
2SN-10	16	-10	5/8"	15.9	25.4	250	3625	1000	14500	225	0.76
2SN-12	20	-12	3/4"	19.1	29.3	215	3120	850	12325	260	0.95
2SN-16	25	-16	1"	25.4	38.1	165	2390	650	9425	325	1.40
2SN-20	32	-20	1.1/4"	31.8	48.3	125	1810	500	7250	438	1.92
2SN-24	40	-24	1.1/2"	38.1	55	90	1300	360	5220	528	2.47
2SN-32	50	-32	2"	50.8	67	80	1160	320	4640	655	2.90

Wire Braid Hose 4SP & 4SH - EN 856

Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: 4 Four High Wire Braid Reinforcement Cover: Oil And Weather Resistant Synthetic

Mineral oils, vegetable and rapeseed oils, glycol and- polyglycol based oils,

Synthetic ester based oils, oils in aque- ous emulsion, water.

Temperature Range: -40°C~+100°C. with peak of +125°C



HOSE	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MAX W.P.		BURST PRESS		MIN.BEND RADIUS	Weight
PART NO.	mm	DASH	inch	mm	mm	Bar	Psi	Bar	Psi	mm	kg/m
4SP-06	10	-06	3/8"	9.5	22.2	445	6450	1780	25810	180	0.75
4SP-08	12	-08	1/2"	12.7	25.4	415	6020	1660	24070	230	0.80
4SP-10	16	-10	5/8"	15.9	29.0	350	5075	1400	20300	250	1.10
4SH-12	20	-12	3/4"	19.1	33	420	6090	1680	24360	280	1.70
4SH-16	25	-16	1"	25.4	40	380	5510	1520	22040	340	2.50
4SH-20	32	-20	1.1/4"	31.8	47	325	4710	1300	18850	460	3.0
4SH-24	40	24	1.1/2"	38.1	55	290	4205	1160	16820	560	3.60
4SH-32	50	-32	2"	50.8	69	250	3625	1000	14500	700	5.0

Wire Braid Hose - SAE 100 EN 856 R15

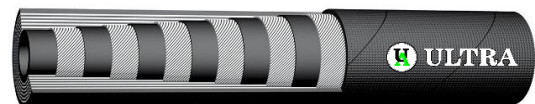
Inner Tube: Oil Resistant Synthetic Rubber

Reinforcement: 6 Six High Wire Braid Reinforcement Cover: Oil And Weather Resistant Synthetic

Mineral oils, vegetable and rapeseed oils, glycol and- polyglycol based oils,

Synthetic ester based oils, oils in aque- ous emulsion, water.

Temperature Range: -40°C~+100°C. with peak of +125°C



HOSE	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MAX W.P.		BURST PRESS		MIN.BEND RADIUS	Weight
PART NO.	mm	DASH	inch	mm	mm	Bar	Psi	Bar	Psi	mm	kg/m
R15-20	32	-20	1.1/4"	31.8	50	420	6090	1680	24366	445	3.8
R15-24	40	-24	1.1/2"	38.1	57	420	6090	1680	24366	530	4.6
R15-24	50	-24	1.1/2"	51.1	71	420	6090	1680	24366	600	8.0

JACK HOSE 10.000 Psi & 20.000 Psi

Inner Tube: Thermoplastic Elastomer

Reinforcement: Double wire Braids

Black colour, synthetic rubber resistant to abrasion and weather, oil & ozone. Available in wrap and smooth finish*

Hydraulic jacking system with petroleum and water based fluids. 10,000 PSI Static Pressure Only

Temperature Range: -40°C~+100°C. with peak of +125°C



HOSE	DN	HOSE SIZE		HOSE I.D.	HOSE O.D.	MAX W.P.		BURST PRESS		MIN.BEND RADIUS	Weight
PART NO.	mm	DASH	inch	mm	mm	Bar	Psi	Bar	Psi	mm	kg/m
JK-04	6	-4	1/4"	6.4	13.2	700	10000	1400	20300	50	0.33
JK-06	10	-6	3/8"	9.5	17.4	700	10000	1400	20300	70	0.48
JK-08	12	-8	1/2"	13	21.8	700	10000	1400	20300	180	0.75
JKS-04	6	-4	1/4"	6.4	13.2	1400	20000	2800	40610	50	0.33
JKS-06	10	-6	3/8"	9.5	17.4	1400	20000	2800	40610	70	0.48
JKS-08	12	-8	1/2"	13	21.8	1400	20000	2800	40610	180	0.75

HYDRAULIC HOSE



HYDRAULIC HOSE

SAE 100R14

Inner Smooth Bore Hose

Construction:

Tube:100% PTFE resin

Cover:single or double AISI 304 or 316 stainless steel wire braid

Application:Design being used in automotive, fluid handling, chemical transfer, paint,pharmaceutical, food & beverage processing, cosmetics and general-purpose applications.



Inner Corrugated Hose

Construction :

Tube:100% PTFE resin

Cover:single or double AISI 304 or 316 stainless steel wire braid

Application:It features excellent flexibility and kink resistance for superior performance in chemical transfer, high temperature hydraulics, and hose applications requiring tight routings, high temperature media transfer and general-purpose applications.



Inner Smooth Hose (Teflon Standard)

Part Number	I.D		O.D		Wall Thickness		W.P		B.P		Bending Radius
	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	
TF-02	1/8"	3.5	0.138	6.6	0.26	1	4727	326	14613	1007.76	51
TF-03	3/16"	4.8	0.189	8	0.315	0.85	3582	247	10738	740.52	75
TF-04	1/4"	6.4	0.252	9.2	0.362	0.85	3106	214.2	9658	666.06	81
TF-05	5/16"	8	0.315	11	0.433	0.85	2781	191.76	8682	598.74	92
TF-06	3/8"	9.7	0.382	12.8	0.504	0.85	2736	188.7	8223	567.12	131
TF-08	1/2"	12.7	0.5	15.9	0.626	1	1568	108.12	6818	470.22	182
TF-10	5/8"	16	0.63	19.2	0.756	1	1878	129.54	5650	389.64	211
TF-12	3/4"	19	0.748	22.7	0.894	1.2	1154	79.56	3979	274.38	338
TF-14	7/8"	22.2	0.874	26	1.024	1.2	887	61.2	2884	198.9	421
TF16	1"	25	0.984	29.3	0.154	1.5	592	40.8	2263	156.06	539

Inner Corrugated Hose (Teflon Spiral)

Part Number	I.D		O.D		Wall Thickness		W.P		B.P		Bending Radius
	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	
TFS-04	1/4"	6.5	0.256	11.5	0.453	0.8	1929	133	5546	382.5	20
TFS-05	5/16"	8	0.315	12.3	0.484	0.65	1923	132.6	5324	367.2	25
TFS-06	3/8"	10	0.394	14.2	0.559	0.65	1849	127.5	5177	357	33
TFS-08	1/2"	13	0.512	17.2	0.677	0.85	1627	112.2	4881	336.6	42
TFS-10	5/8"	16	0.63	21.6	0.85	0.9	1183	81.6	3560	244.8	60
TFS-12	3/4"	19	0.748	25.3	0.996	1	1035	71.4	3108	214.2	63
TFS-16	1"	25	0.984	31	1.22	1	740	51	2219	153	79
TFS-20	1-1/4"	32	1.26	39	1.535	1.1	710	48.96	2071	142.8	125
TFS-24	1-1/2"	38	1.496	45	1.772	1.45	636	43.86	1775	122.4	145
TFS-32	2"	50	1.969	60	2.362	1.5	503	34.68	1479	102	180

FLEXIBEL METAL HOSE



APPLICATION

Recommended for chemical, petroleumair, synthetics
Hydraulic Oil, ect.



CONSTRUCTION

Core : Corrugated 304/316 stainless steel hose
Reinforcement : Single/double braid of 304/316
series of stainless steel wire

TEMPERATURE RANGE

Continuos : -269°C to +360°C

Code	Dash	DN	Hose I.D		Hose O.D		W.P	B.P	Min. Bend Radius		Weight
			inch	mm	inch	mm			inch	mm	
FHM-08	-8	12	1/2"	12.7	0.827	21	1160	4640	210	8.27	0.235
FHM-12	-12	20	3/4"	19.05	1.181	30	725	2900	240	9.45	0.485
FHM-16	-16	25	1"	25.4	1.535	39	580	2320	250	9.84	0.610
FHM-20	-20	32	1-1/4"	31.75	1.771	45	580	2320	265	10.43	1.040
FHM-24	-24	40	1-1/2"	38.1	2.205	56	464	1856	310	12.2	1.385
FHM-32	-32	50	2"	50.8	2.677	68	464	1856	355	13.98	1.590
FHM-40	-40	65	2-1/2"	63.5	3.386	86	363	1452	415	16.34	2.330
FHM-48	-48	80	3"	76.2	3.858	98	290	1160	475	18.7	3.210
FHM-64	-64	100	4"	101.6	4.724	120	218	872	585	23.03	3.995
FHM-80	-80	125	5"	127	6.654	169	174	696	850	33.46	4.701
FHM-96	-96	150	6"	152.4	6.969	177	145	580	1050	41.34	5.611
FHM-128	-128	200	8"	203.2	8.937	227	145	580	1100	43.31	6.750

STEAM 18 Bar (270 psi) - Steel Braided

Tube: black conductive EPDM.

Reinforcement: one or two high tensile steel wire braids.

Cover: Red EPDM - heat, abrasion and ozone resistant - pinpricked.

Application: saturated and superheated steam.

Constant operation: -40 °C +210 °C (-40 °F +410 °F)

intermittent to 232 °C (450 °F)



Code	Dash Size	DN	I.D		O.D		W.P		B.P		Weight
			inch	mm	inch	mm	psi	bar	psi	bar	
FSH-06	-6	10	3/8"	10	0.77	19.5	260	18	2610	180	0.421
FSH-08	-8	12	1/2"	12.5	0.91	23	260	18	2610	180	0.589
FSH-12	-12	19	3/4"	19	1.18	30	260	18	2610	180	0.846
FSH-16	-16	25	1"	25.4	1.45	36.8	260	18	2610	180	1.095
FSH-20	-20	32	1-1/4"	31.5	1.71	43.5	260	18	2610	180	1.505
FSH-24	-24	38	1-1/2"	38	1.95	49.5	260	18	2610	180	1.78
FSH-32	-32	51	2"	51	2.52	64	260	18	2610	180	2.261
FSH-40	-40	63	2-1/2"	63	3.27	83	260	18	2610	180	4.214
FSH-48	-48	76	3"	76	3.86	98	260	18	2610	180	4.962

HOSE PU DUCTING - POLYURETHANE DUCTING

Construction

Wall Polyester Polyurethane

Spiral Spring Steel Wire

Properties Extremely flexible, Light in Weight, High abrasion resistant, Microbe - resistance, Good chemical resistance, Good UV and ozone resistance, Oil / petroleum proof, Increased vacuum and pressure resistance, Anti static if connected with helical wire

Application Suction & transport of abrasive solids, liquids, fine grained particles, such as dust and powder. Used in extraction of oil mist, paper & textile fibers

Note : Length upto 10, 15, 20 meters. Also special sizes are available on request



Part Code	I.D		WT	V.P	Ben Radius	Weight
	inch	mm	mm	bar	mm	kg/m
UA032	1-1/4"	32	0.40	0.45	22	0.426
UA038	1-1/2"	38	0.40	0.45	27	0.501
UA040		40	0.40	0.45	28	0.527
UA045		45	0.40	0.45	32	0.590
UA051	2"	51	0.40	0.45	35	0.667
UA060		60	0.40	0.45	42	0.780
UA063	2-1/2"	63	0.40	0.45	45	0.890
UA065		65	0.40	0.45	46	0.917
UA070		70	0.40	0.45	49	0.986
UA076	3"	76	0.40	0.45	53	1.069
UA080		80	0.40	0.45	56	1.140
UA090	3-1/2"	90	0.40	0.45	62	1.194
UA0102	4"	102	0.40	0.45	70	1.350
UA0110		110	0.40	0.45	84	1.454
UA0120		120	0.40	0.45	85	1.584
UA0127	5"	127	0.40	0.45	88	1.675
UA0130		130	0.40	0.45	91	1.714
UA0140	5-1/2"	140	0.40	0.45	95	1.800
UA0150		150	0.40	0.45	105	1.926
UA0152	6"	152	0.40	0.45	107	1.958
UA0160		160	0.40	0.45	110	2.218
UA0180	7"	180	0.40	0.45	234	2.490
UA0200	7-7/8"	200	0.40	0.45	140	2.763
UA0220		220	0.40	0.45	160	2.956
UA0250	10"	250	0.40	0.45	175	3.353
UA0279	11"	279	0.40	0.45	196	3.738
UA0300	12"	300	0.40	0.45	210	4.017
UA0350	14"	350	0.40	0.45	245	4.109