

Series: One Wire Braid Hose-DIN EN 853 1SN

Model: EN 853 1SN

Inner Tube: oil resistant synthetic rubber

Reinforcement: one high tensile steel wire braid

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range(medium): -40°Cto +121°C



Nominal Diameter		Inside diameter		Reinforcement Diameter		Outside diameter		working pressure	Test pressure	burst pressure	Min. bend Radius	Recommend Fittings	
mm	Inch	mm	mm	mm	mm	mm	mm	MPa	MPa	MPa	mm	ferrule	insert
		Min	Max	Min	Max	Min	Max			Min			
5	3/16	4.6	5.4	9.0	10.0	11.1	12.5	25.0	50.0	100.0	90	00110-03	xxxx1-xx-03
6.3	1/4	6.2	7.0	10.6	11.6	12.7	14.1	22.5	45.0	90.0	100	00110-04	xxxx1-xx-04
8	5/16	7.7	8.5	12.1	13.3	14.3	15.7	21.5	43.0	85.0	115	00110-05	xxxx1-xx-05
10	3/8	9.3	10.1	14.5	15.7	16.7	18.1	18.0	36.0	72.0	125	00110-06	xxxx1-xx-06
12.5	1/2	15.5	13.5	17.5	19.1	19.8	21.4	16.0	32.0	64.0	180	00110-08	xxxx1-xx-08

16	5/8	12.3	16.7	20.6	22.2	22.9	24.5	13.0	26.0	52.0	205	00110-10	xxxx1-xx-10
19	3/4	18.6	19.8	24.6	26.2	26.9	28.5	10.5	21.0	42.0	240	00110-12	xxxx1-xx-12
25	1	25.0	26.4	32.5	34.1	34.6	36.6	8.8	17.5	35.0	300	00110-16	xxxx1-xx-16
31.5	1.1/4	31.4	33.0	39.3	41.7	42.2	44.8	6.3	12.5	32.0s	420	00110-20	xxxx1-xx-20
38	1.1/2	37.7	39.3	45.6	48.0	49.1	52.1	5.0	10.0	20.0	500	00110-24	xxxx1-xx-24
51	2	50.4	52.0	58.7	61.7	62.5	65.5	4.0	8.0	16.0	630	00110-32	xxxx1-xx-

Series: Two Wire Braid Hose-DIN EN 853 2SN



Model: EN 853 2SN

Inner Tube: oil resistant synthetic rubber

Reinforcement: Two high tensile steel wire braid

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range(medium): -40°Cto +100°C

Nominal Diameter		Inside diameter		Reinforcement Diameter		Outside diameter		working pressure	Proof pressure	burst pressure	Min. bend Radius	Recommend Fittings	
mm	inch	mm		mm		mm		MPa	MPa	MPa	mm	ferrule	insert
		Min	Max	Min	Max	Min	Max	Max		min			
5	3/16	4.6	5.4	10.6	11.6	12.7	14.1	41.5	83	165	90	00210-03	xxxx1-xx-03
6.3	1/4	6.2	7.0	12.1	13.3	14.3	15.7	40	80	160	100	00210-04	xxxx1-xx-04
8	5/16	7.7	8.5	13.7	14.9	15.9	17.3	35	70	140	115	00210-05	xxxx1-xx-05
10	3/8	9.3	10.1	16.1	17.3	18.3	19.7	33	66	132	125	00210-06	xxxx1-xx-06
12.5	1/2	15.5	13.5	19.0	20.6	21.4	23.0	27.5	55	110	180	00210-08	xxxx1-xx-08
16	5/8	12.3	16.7	22.2	23.8	24.6	26.2	25	50	100	205	00210-10	xxxx1-xx-10
19	3/4	18.6	19.8	26.2	27.8	28.5	30.1	21.5	43	85	240	00210-12	xxxx1-xx-12
25	1	25.0	26.4	34.1	35.7	37.3	38.9	16.5	32.5	65	300	00210-16	xxxx1-xx-16
31.5	1.1/4	31.4	33.0	43.2	45.6	47.1	49.5	12.5	25	50	420	00210-20	xxxx1-xx-20
38	1.1/2	37.7	39.3	49.6	52.0	53.3	55.9	9	18	36	500	00210-24	xxxx1-xx-24
51	2	50.4	52.0	62.3	64.7	66.0	68.6	8	16	32	630	00210-32	xxxx1-xx-32

Series:Four Wire Spiral Hose-EN 856 4SP

Model: EN 856 4SP



Inner Tube: oil resistant synthetic rubber

Reinforcement: four high tensile steel wire spiral layers

Cover:abrasion, ozone and weather resistant synthetic rubber

Temperature range(medium): -40°Cto +100°C(125°C discontinuous)

Nominal		Inside	Wire	Outside	Working pressure		Test pressure	Burst pressure	Bend radius	Weight	Recommend Fittings	
mm	inch	mm	mm	mm	bar	psi	bar	bar	mm	kg/m	ferrule	insert
10	3/8	9.5	17.5	21.4	445	6455	1070	1780	180	0.78	00400-06	xxxx2-xx-06
12	1/2	12.7	20.2	24.6	425	6165	1020	1700	230	0.93	00400-08	xxxx2-xx-08
16	5/8	15.9	23.8	28.2	350	5075	840	1400	250	1.17	00400-10	xxxx2-xx-10
19	3/4	19.0	28.2	32.2	350	5075	840	1400	300	1.48	00400-12	xxxx2-xx-12
25	1	25.4	35.3	39.7	280	4060	670	1120	340	2.02	00400-16	xxxx2-xx-16
31	1.1/4	31.8	46.0	50.8	210	3045	500	840	460	3.05	00400-20	xxxx2-xx-20
38	1.1/2	38.1	52.4	57.2	185	2685	445	740	560	3.52	00400-24	xxxx2-xx-24
51	2	50.8	65.3	69.8	165	2395	395	660	660	5.20	00400-32	xxxx2-xx-32

Series:Four Wire Spiral Hose-EN 856 4SH



Model: EN 856 4SH

Inner Tube: oil resistant synthetic rubber

Reinforcement: four high tensile steel wire spiral layers

Cover:abrasion, ozone and weather resistant synthetic rubber

Temperature range(medium): -40°Cto +100°C(125°C discontinuous)

Nominal		Inside	Reinforcement	Outside	Working pressure		Test pressure	Burst pressure	Bend radius	Weight?	Recommend Fittings	
mm	inch	mm	mm	mm	bar	psi	bar	bar	mm	kg/m	ferrule	insert
19	3/4	19.0	28.4	32.2	420	6090	1000	1680	280	1.53	00400-12	xxxx2-xx-12
25	1	25.4	35.2	38.7	380	5510	910	1520	340	2.06	00400-16	xxxx2-xx-16
31	1.1/4	31.8	41.9	45.5	345	5000	830	1380	460	2.46	00400-20	xxxx2-xx-20
38	1.1/2	38.1	48.8	53.5	290	4205	695	1160	560	3.35	00401-24	xxxx2-xx-24
51	2	50.8	63.2	68.1	250	3625	600	1000	700	4.55	00401-32	xxxx2-xx-32

Series: One Wire Braid Hose- SAE 100R1AT



Model: SAE 100R1AT

Inner Tube: oil resistant synthetic rubber

Reinforcement: one high tensile steel wire braid

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range(medium): -40°C to +121°C

Nominal		Inside	Braid	Outside	Working pressure		Test pressure	Burst pressure	Bend radius	Weight	Recommend Fittings	
mm	inch	mm	mm	mm	bar	psi	bar	bar	mm	kg/m	Ferrule	Fittings
5	3/16	4.8	9.5	11.8	250	3625	600	1000	90	0.91	00110-03	xxxx1-xx-03
6	1/4	6.4	11.1	13.4	225	3265	540	900	100	0.21	00110-04	xxxx1-xx-04
8	5/16	7.9	12.7	15.0	215	3120	510	850	115	0.24	00110-05	xxxx1-xx-05
10	3/8	9.5	15.1	17.4	180	2610	430	720	125	0.33	00110-06	xxxx1-xx-06
12	1/2	12.7	18.3	20.6	160	2320	385	640	180	0.41	00110-08	xxxx1-xx-08
16	5/8	15.9	21.4	23.7	130	1885	310	520	200	0.45	00110-10	xxxx1-xx-10
19	3/4	19.0	25.4	27.7	105	1525	250	420	240	0.58	00110-12	xxxx1-xx-12

25	1	25.4	33.3	35.6	88	1275	210	350	300	0.88	00110-16	xxxx1-xx-16
31	1-1/4	31.8	40.5	43.5	63	915	150	250	420	1.23	00110-20	xxxx1-xx-20
38	1-1/2	38.1	46.8	50.0	50	725	120	200	500	1.51	00110-24	xxxx1-xx-24
51	2	50.8	60.2	64.0	40	580	96	160	630	1.97	00110-32	xxxx1-xx-32

Series: Two Wire Braid Hose-SAE 100 R2AT



Model: SAE 100 R2AT

Inner Tube: oil resistant synthetic rubber

Reinforcement: Two high tensile steel wire braid

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range(medium): -40°Cto +100°C

Nominal Diameter		Inside diameter		Reinforcement Diameter		Outside diameter		working pressure	Proof pressure	burst pressure	Min. bend Radius	Recommend Fittings	
mm	inch	mm		mm		mm		MPa	MPa	MPa	mm	ferrule	insert
		Min	Max	Min	Max	Min	Max	Max		min			
5	3/16	4.6	5.4	10.6	11.7	15.1	16.7	35.0	70.0	140.0	90	03310-03	xxxx1-xx-03
6.3	1/4	6.2	7.0	12.1	13.3	16.7	18.3	35.0	70.0	140.0	100	03310-04	xxxx1-xx-04
8	5/16	7.7	8.5	13.7	14.9	18.3	19.8	29.7	59.4	118.8	115	03310-05	xxxx1-xx-05
10	3/8	9.3	10.1	16.1	17.3	20.6	22.2	28.0	56.0	112.0	125	03310-06	xxxx1-xx-06
12.5	1/2	15.5	13.5	19.0	20.6	23.8	25.4	24.5	49.0	98.0	180	03310-08	xxxx1-xx-08
16	5/8	12.3	16.7	22.2	23.8	27.0	28.6	19.2	38.4	76.8	205	03310-10	xxxx1-xx-10
19	3/4	18.6	19.8	26.2	27.8	31.0	32.5	15.7	31.4	62.8	240	03310-12	xxxx1-xx-12
25	1	25.0	26.4	34.1	35.7	38.5	40.9	14.0	28.0	56.0	300	03310-16	xxxx1-xx-16
31.5	1.1/4	31.4	33.0	43.2	45.6	49.2	52.4	11.3	22.6	45.2	420	03310-20	xxxx1-xx-20
38	1.1/2	37.7	39.3	49.6	52.0	55.6	58.7	8.7	17.4	34.8	500	03310-24	xxxx1-xx-24
51	2	50.4	52.0	62.3	64.7	68.3	71.4	7.8	15.5	31.0	630	03310-32	xxxx1-xx-32

Series: Two Wire Braid Hose-**SAE 100 R4**

Model: SAE 100 R4



Inner Tube: oil resistant synthetic rubber

Reinforcement: Two textile reinforcements with anti-flattening steel spiral

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range(medium): -40°Cto +100°C(125°C discontinuous)

Nominal		inside	Braid	Outside	Working pressure		Test pressure	Burst pressure	Bend radius	Weight	Recommend Fittings	
mm	inch	mm	mm	mm	bar	psi	bar	bar	mm	kg/m	ferrule	insert
19	3/4	19.0	-	29.0	21	300	41	84	95	0.70	00210-12	xxxx1-xx-12
25	1	25.4	-	35.4	17	250	34	68	125	0.80	00210-16	xxxx1-xx-16
31	1 1/4	31.8	-	41.8	14	20	28	56	160	1.00	00210-20	xxxx1-xx-20
38	1 1/2	38.1	-	9.0	10	40?	20	40	200	.20	00210-24	xxxx1-xx-24
51	2	51.0	-	62.0	10	140	20	40	55	1.50	00210-32	xxxx1-xx-32
63	2 1/2	63.5	-	76.5	10	140	20	40	315	2.20	00210-40	xxx1-xx-40
76	3	76.2	-	89.2	10	140	20	40	380	2.60	00210-48	xxxx1-xx-48
89	3 1/2	89.0	-	102.0	10	140	20	40	400	3.10	00210-56	xxxx1-xx-56
102	4	102.0	-	116.0	10	140	20	40	510	3.50	00210-64	xxxx1-xx-64



Series: one Fiber Thermoplastic Hose-SAE 100 R7

Model Applicable Specs: SAE 100 R7, EN 855 R7

Main Applications: Medium pressure thermoplastic hose with a perforated cover.

Compatible with petroleum, water and synthetic based fluids for mobile equipment, lube lines, blowout preventers, hydraulic lifts and construction machinery.

Tube: Nylon

Cover: high Flexibility Nylon or thermoplastic

Temperature range(medium): -40°Cto +100°C(125°C discontinuous)

Nominal		inside	Braid	Outside	Working pressure		Test pressure	Burst pressure	Bend radius	Weight	Recommend Fittings	
mm	inch	mm	mm	mm	Mpa	psi	Mpa	Mpa	mm	kg/m	ferrule	insert
3	1/8	3.3	-	8.5	21	3050	63	84	25	0.048	00018-02	xxxx1-xx-02
5	3/16	4.8	-	10.8	21	250	63	84	90	0.096	00018-03	xxxx1-xx-03
6	1/4	6.4	-	13	19.2	20	58	76.8	100	0.120	00018-04	xxxx1-xx-04
8	5/16	7.9	-	15.1	17.5	40?	53	60.4	215	0.145	00018-05	xxxx1-xx-05
10	3/8	9.5	-	17.0	15.7	140	48	62.8	125	0.175	00018-06	xxxx1-xx-06

12	1/2	12.7	-	20.7	14.0	140	42	56	180	0.250	002018-08	xxx1-xx-08
16	5/8	15.9	-	24	10.5	140	32	42	205	0.300	00018-10	xxxx1-xx-10
20	3 /4	19.0	-	27.1	8.7	140	27	34.8	240	0.340	00018-12	xxxx1-xx-12
25	1"	25.4	-	34.0	7.0	140	20	28.0	300	0.465	00018-16	xxxx1-xx-16

Series: ONE TEXTILE BRAID AND ONE HIGH TENSILE STEEL BRAID -SAE 100 R5

Model: SAE 100 R5



Inner Tube: oil resistant synthetic rubber

Reinforcement: One textile braid,one high tensile steel braid.

Cover: One black polyester textile braid

Temperature range(medium): -40°Cto +100°C

Nominal	I.D.	O.D.	Working pressure		Test Pressure	Burst Pressure	Bend-Radius	Weight	Recommend Fittings	
			bar	psi	bar	bar	mm		ferrule	insert
1/4	6.4	14.8	210	3000	415	830	86	0.26	00518-04	xxxx8-xx-04
5/16	7.9	17.2	155	2215	310	620	105	0.335	00518-05	xxxx8-xx-05
13/32	10.3	19.5	138	1970	275	550	120	0.395	00518-06	xxxx8-xx-06
1/2	12.7	23.4	120	1715	240	480	140	0.510	00518-08	xxxx8-xx-08
5/8	15.9	27.4	103	1470	207	414	165	0.625	00518-12	xxxx8-xx-12
7/8	22.2	31.4	55	785	110	221	187	0.680	00518-16	xxxx8-xx-16
1 1/8	28.6	38.1	43	625	95	172	229	0.830	00518-20	xxxx8-xx-20

Series: Wire Spiral Hose- SAE 100 R12



Model: SAE 100 R12

Inner Tube: oil resistant synthetic rubber

Reinforcement: four high tensile steel wire spiral layers

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range (medium): -40°C to +100°C (125°C discontinuous)

Nominal		Inside	Reinforcement	Outside	Working pressure		Test pressure	Burst pressure	Bend radius	Weight	Recommend Fitting	
mm	inch	mm	mm	mm	bar	psi	bar	bar	mm	kg/m	ferrule	fittings
10	3/8	9.5	17.2	20.3	280	4060	560	1120	125	0.70	00400-06	XXXX2-XX-06
12	1/2	12.7	20.7	23.8	280	4060	560	1120	180	0.84	00400-08	XXXX2-XX-08
16	5/8	15.9	24.6	27.4	280	4060	560	1120	200	1.10	00400-10	XXXX2-XX-10
20	3/4	19.0	27.7	30.7	280	4060	560	1120	240	1.33	00400-12	XXXX2-XX-12
25	1	25.4	34.9	38.0	280	4060	560	1120	300	1.85	00400-16	XXXX2-XX-16
31	1.1/4	31.8	43.9	47.0	210	3045	420	840	420	2.65	00400-20	XXXX2-XX-20
38	1.1/2	38.1	50.4	53.5	175	2540	350	700	500	3.20	00400-24	XXXX2-XX-24
51	2	50.8	63.7	66.7	175	2540	350	700	630	4.50	00400-32	XXXX2-XX-32

Series: Multi Spiral Hydraulic Hose- SAE 100 R13



Model: SAE 100 R13

Inner Tube: oil resistant synthetic rubber

Reinforcement: four or six high tensile steel wire spiral layers (4 W/S 6 W/S)

Cover: abrasion, ozone and weather resistant synthetic rubber

Temperature range(medium): -40°Cto +100°C(125°C discontinuous)

Nominal		Inside	Reinforcement	Spiral layers	Outside	Working pressure		Test pressure	Burst pressure	Bend radius	Weight	Recommend Fittings	
mm	inch	mm	mm		mm	bar	psi	bar	bar	mm	kg/m	ferrule	insert
19	3/4	19.0	29.2	4	32.0	350	5075	700	1400	240	1.65	00621-12	xxxx3-xx-12
25	1	25.4	35.9	4	39.2	350	5075	700	1400	300	2.25	00621-16	xxxx3-xx-16
31	1-1/4	31.8	46.8	6	49.8	350	5075	700	1400	420	3.60	00621-20	xxxx3-xx-20
38	1-1/2	38.1	54.0	6	57.3	350	5075	700	1400	500	4.75	00621-24	xxxx3-xx-24
51	2	50.8	68.4	6	71.9	350	5075	700	1400	630	6.90	00621-32	xxxx3-xx-32

Series:Multi Spiral Hydraulic Hose- SAE 100 R15



Model: SAE 100 R15

Inner Tube: oil resistant synthetic rubber

Reinforcement: four or six high tensile steel wire spiral layers (4 W/S 6 W/S)

Cover:abrasion, ozone and weather resistant synthetic rubber

Temperature range(medium): -40°Cto +100°C(125°C discontinuous)

Nominal		Inside	Reinforcement	Spiral layers	max.Outside	Working pressure		Test pressure	Burst pressure	Bend radius	Weight	Recommend Fittings	
mm	inch	mm	mm		mm	bar	psi	bar	bar	mm	kg/m	ferrule	insert
19	3/4	19.0	32.9	4	36.1	420	6090	840	1680	265	1.50	00621-12	xxxx3-xx-12
25	1	25.4	38.9	4	42.9	420	6090	840	1680	330	2.10	00621-16	xxxx3-xx-16
31	1.1/4	31.8	48.4	6	51.5	420	6090	840	1680	445	3.60	00621-20	xxxx3-xx-20
38	1.1/2	38.1	56.3	6	59.6	420	6090	840	1680	530	5.10	00621-24	xxxx3-xx-24
50	2	50.8	67	6	71	420	6090	840	1680	530	10.2	00621-32	xxxx3-xx-32



Series: PTFE Hose Teflon hose stainless steel plastic hose

Inner Tube: PTFE, Teflon Plastic

Cover: A single Braid of Stainless Steel 304

Temperature Range:-54°C- +204°C

Hose Part No	Hose ID	Hose OD	Min Burst Pres	Max W.P	Min Bend Rad	Recommend Fittings	
	mm	mm	Mpa	Mpa	mm	ferrule	insert
3051	5.1	8	79.3	26.4	63	00TF0-04	xxxx1-xx-04
3067	6.7	9	67.2	22.4	76	00TF0-05	xxxx1-xx-05
3084	8.4	11	62.1	20.7	101	00TF0-06	xxxx1-xx-06
1106	9.5	12.5	69.0	23.0	127	00TF0-07	xxxx1-xx-07
3134	13.4	16.5	48.3	16.1	152	00TF0-08	xxxx1-xx-08
3166	16.6	20	34.5	11.0	178	00TF0-012	xxxx1-xx-12
3198	19.8	23	31.0	10.3	203	00TF0-014	xxxx1-xx-14
3261	26.1	29.5	24.1	8.0	305	00TF0-016	xxxx1-xx-16



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