

STAUFFtex

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STAUFFlex

FFLEX

J 517 - W.P. 7 BAR (100 PSI)

3

HYDRAULIC HOSE

MULTI-PURPOSE MINERAL OIL HOSE - TU25

Applications

Flexible hose suitable for industrial oils, unleaded fuels (EN228:2000), diesel oils (EN590:2004) and fuel oils (DIN 51 603 parts 1-5). Applications in industry, garages, filling stations and automobile repair shops. Also suitable for compressed air.

Construction

Core: NBR, black, smooth, electrically conductive.

Reinforcement

Textile spirally laid

Cover

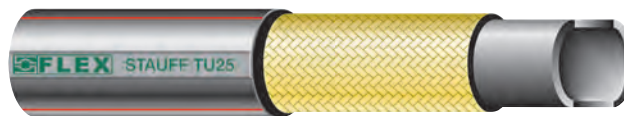
NBR/SBR, black, smooth, abrasion resistant, oil and weather resistant.

Safety Factor

3.15: 1

Temperature Range

-40°C to +80°C (-40°F to +176°F) Not to exceed +70°C for air and water based fluids.



Applications



ORDER CODE	DESCRIPTION	ID			OD MM	WALL THICKNESS MM	WORKING PRESSURE BAR	BEND RADIUS MM	WEIGHT KG/M	COIL LENGTH M
		DASH	INCH	MM						
6100190021	HIS-MPR-06-A-PN25	-4	1/4	6.0	14.0	4.0	25	40	0.17	100
2020039900	HIS-MPR-08-A-PN25	-5	5/16	8.0	16.0	4.0	25	50	0.19	100
6100190025	HIS-MPR-10-A-PN25	-6	3/8	10.0	18.0	4.0	25	60	0.23	50
6100190028	HIS-MPR-13-A-PN25	-8	1/2	13.0	21.0	4.0	25	80	0.28	50
6100190030	HIS-MPR-16-A-PN25	-10	5/8	16.0	25.0	4.5	25	100	0.38	50
6100190032	HIS-MPR-19-A-PN25	-12	3/4	19.0	29.0	5.0	25	120	0.50	50
6100190035	HIS-MPR-25-A-PN25	-16	1"	25.0	36.0	5.5	25	150	0.73	50



NOT TO BE USED AS A PETROL PUMP HOSE

SAE 100 R6 EN 854

Applications

For hydraulic control lines, discharge under low pressure of hydraulic fluids, fuel oil, grease, air and water.

Construction

Tube - hydraulic oil resistant special synthetic rubber.

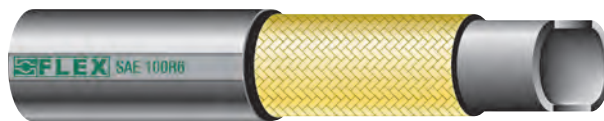
Cover - oil, abrasion, ozone and weather resistant special synthetic rubber.

Reinforcement

1 High tensile synthetic textile braid.

Temperature Range

-40°C to +100°C (-40°F to +212°F)



Applications



ORDER CODE	DESCRIPTION	ID		OD MM	WORKING PRESSURE		BURST PRESSURE BAR	BEND RADIUS MM	WEIGHT G/M
		INCH	MM		BAR	PSI			
6100190060	HIS-R6-05-R-PN30	3/16	4.8	10.7	34	493	250	35	90
2020000166	HIS-R6-06-R-PN30	1/4	6.4	12.3	28	406	200	45	105
2020000180	HIS-R6-08-R-PN30	5/16	8.0	13.9	28	406	200	65	125
2020000219	HIS-R6-10-R-PN30	3/8	9.5	15.5	28	406	200	75	150
2020000253	HIS-R6-12-R-PN30	1/2	12.7	19.5	28	406	200	90	225
2020000269	HIS-R6-16-R-PN25	5/8	16.0	22.6	24	348	140	115	260
2020000289	HIS-R6-19-R-PN25	3/4	19.0	25.8	21	305	130	140	315
2020000308	HIS-R6-25-R-PN25	1"	25.4	33.2	20	290	100	150	470

SAE 100 R3 EN 854

Applications

For hydraulic control lines, discharge under low pressure of hydraulic fluids, fuel oil, grease, air and water.

Construction

Tube - hydraulic oil resistant special synthetic rubber.

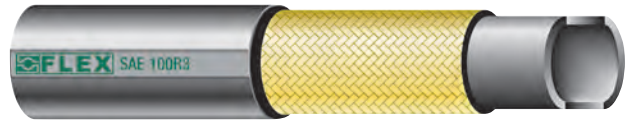
Cover - oil, abrasion, ozone and weather resistant special synthetic rubber.

Reinforcement

2 High tensile synthetic textile braids.

Temperature Range

-40°C to +100°C (-40°F to +212°F)



Applications



ORDER CODE	DESCRIPTION	ID		COVER OD MM	WORKING PRESSURE		BURST PRESSURE BAR	BEND RADIUS MM	WEIGHT KG/M
		INCH	MM		BAR	PSI			
6100190079	HIS-R3-05-R-PN103	3/16	4.8	12.7	103	1494	412	80	0.16
6100190087	HIS-R3-06-R-PN86	1/4	6.4	14.3	86	1247	400	80	0.19
6100190096	HIS-R3-08-R-PN83	5/16	8.0	17.5	83	1204	370	100	0.27
2020076745	HIS-R3-10-R-PN78	3/8	9.5	19.1	78	1131	340	100	0.30
2020050339	HIS-R3-12-R-PN69	1/2	12.7	23.8	69	1000	300	125	0.44
6100190111	HIS-R3-16-R-PN60	5/8	16.0	27.0	60	870	270	140	0.50
6100190112	HIS-R3-19-R-PN52	3/4	19.0	31.8	52	754	240	150	0.70
6100190138	HIS-R3-25-R-PN39	1"	25.4	38.1	39	566	190	205	0.87
6100190146	HIS-R3-31-R-PN26	1.1/4	31.8	44.5	26	377	140	255	1.0
6100190297	HIS-R3-38-R-PN20	1.1/2	38.1	51.0	20	290	110	295	1.17

EN 854 1TE

Applications

For hydraulic control lines, discharge under low pressure of hydraulic fluids, fuel oil, grease, air and water.

Construction

Tube - hydraulic oil resistant special synthetic rubber.

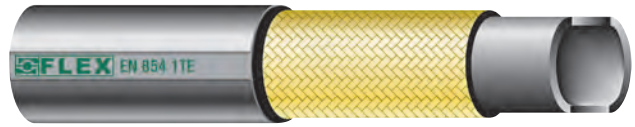
Cover - oil, abrasion, ozone and weather resistant special synthetic rubber.

Reinforcement

1 High tensile synthetic textile braid.

Temperature Range

-40°C to +100°C (-40°F to +212°F)



Applications



ORDER CODE	DESCRIPTION	ID		COVER OD MM	WORKING PRESSURE		BURST PRESSURE BAR	BEND RADIUS MM	WEIGHT KG/M
		INCH	MM		BAR	PSI			
6100190278	HOS-1TE-05-R-STM-PN25	3/16	4.8	10.7	25	363	230	35	0.09
6100190290	HOS-1TE-06-R-STM-PN25	1/4	6.4	12.3	25	363	180	45	0.12
6100190291	HOS-1TE-08-R-STM-PN20	5/16	8.0	13.9	20	290	180	65	0.13
6100190292	HOS-1TE-10-R-STM-PN20	3/8	9.5	15.5	20	290	170	75	0.16
6100190298	HOS-1TE-12-R-STM-PN16	1/2	12.7	19.0	16	232	160	90	0.21
6100190314	HOS-1TE-16-R-STM-PN16	5/8	16.0	22.6	16	232	130	115	0.27
6100190315	HOS-1TE-19-R-STM-PN12	3/4	19.0	25.8	12	174	120	140	0.32
6100190317	HOS-1TE-25-R-STM-PN12	1"	25.4	33.2	12	174	95	150	0.48

EN 854 2TE

Applications

For hydraulic control lines, discharge under low pressure of hydraulic fluids, fuel oil, grease, air and water.

Construction

Tube - hydraulic oil resistant special synthetic rubber.

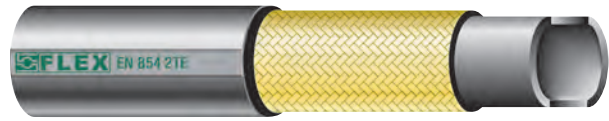
Cover - oil, abrasion, ozone and weather resistant special synthetic rubber.

Reinforcement

1 High tensile synthetic textile braid.

Temperature Range

-40°C to +100°C (-40°F to +212°F)



Applications



ORDER CODE	DESCRIPTION	ID		COVER OD MM	WORKING PRESSURE		BURST PRESSURE BAR	VACUUM BAR	BEND RADIUS MM	WEIGHT KG/M
		INCH	MM		BAR	PSI				
6100190331	HOS-2TE-05-R-STM-PN80	3/16	4.8	11.8	80	1160	410	-0.60	25	0.12
2020044947	HOS-2TE-06-R-STM-PN75	1/4	6.4	13.4	75	1088	400	-0.60	40	0.15
2020065246	HOS-2TE-08-R-STM-PN68	5/16	8.0	14.9	68	986	380	-0.60	50	0.17
2020065247	HOS-2TE-10-R-STM-PN63	3/8	9.5	16.5	63	914	310	-0.60	60	0.20
2020044698	HOS-2TE-12-R-STM-PN58	1/2	12.7	19.7	58	841	280	-0.60	70	0.24
2020040735	HOS-2TE-16-R-STM-PN50	5/8	16.0	23.9	50	725	260	-	90	0.33
2020044697	HOS-2TE-19-R-STM-PN45	3/4	19.0	27.0	45	653	230	-	110	0.38
2020044948	HOS-2TE-25-R-STM-PN40	1"	25.4	34.4	40	580	200	-	150	0.55
2020044945	HOS-2TE-31-R-STM-PN35	1.1/4	31.8	41.4	35	508	180	-	170	0.74
6100190334	HOS-2TE-38-R-STM-PN30	1.1/2	38.1	48.1	30	435	180	-	190	0.87

EN 854 3TE

Applications

For hydraulic control lines, discharge under medium pressure of hydraulic fluids, fuel oil, grease, air and water.

Construction

Tube - hydraulic oil resistant special synthetic rubber.

Cover - oil, abrasion, ozone and weather resistant special synthetic rubber.

Reinforcement

2 High tensile synthetic textile braids.

Temperature Range

-40°C to +100°C (-40°F to +212°F)



Applications



ORDER CODE	DESCRIPTION	ID		COVER OD MM	WORKING PRESSURE		BURST PRESSURE BAR	VACUUM BAR	BEND RADIUS MM	WEIGHT KG/M
		INCH	MM		BAR	PSI				
6100190336	HOS-3TE-05-R-STM-PN160	3/16	4.8	12.8	160	2320	700	-0.80	40	0.14
6100190337	HOS-3TE-06-R-STM-PN145	1/4	6.4	14.4	145	2103	630	-0.80	45	0.17
6100190338	HOS-3TE-08-R-STM-PN130	5/16	8.0	16.9	130	1885	580	-0.80	55	0.22
6100190339	HOS-3TE-10-R-STM-PN110	3/8	9.5	18.5	110	1595	500	-0.80	70	0.25
6100190357	HOS-3TE-12-R-STM-PN93	1/2	12.7	21.7	93	1349	440	-0.80	85	0.31
6100190365	HOS-3TE-16-R-STM-PN80	5/8	16.0	25.9	80	1160	380	-0.80	105	0.41
6100190378	HOS-3TE-19-R-STM-PN70	3/4	19.0	29.0	70	1015	330	-0.60	130	0.47
6100190390	HOS-3TE-25-R-STM-PN55	1"	25.4	35.9	55	798	280	-0.60	150	0.63
6100190391	HOS-3TE-31-R-STM-PN45	1.1/4	31.8	42.3	45	653	220	-0.60	190	0.76
6100190395	HOS-3TE-38-R-STM-PN40	1.1/2	38.1	49.6	40	580	190	-	240	0.96
6100190396	HOS-3TE-51-R-STM-PN33	2"	50.8	62.3	33	479	160	-	300	1.28

STAUFF TEX R4-X FLEXIBILITY

Applications

In oil return lines of hydraulic systems of industrial and agricultural applications.

Construction

Tube - hydraulic oil resistant special NBR rubber.

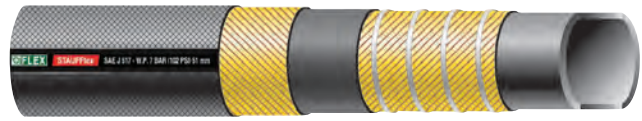
Cover - oil, heat, abrasion, ozone and weather resistant special CR rubber.

Reinforcement

High tensile synthetic textile and steel wire helix.

Temperature Range

-40°C to +100°C (-40°F to +212°F)



Applications



ORDER CODE	DESCRIPTION	ID		OD MM	WORKING PRESSURE		BURST PRESSURE BAR	VACUUM BAR	BEND RADIUS MM	WEIGHT KG/M
		INCH	MM		BAR	PSI				
6100190399	HIS-OSD-19-R-PN84	3/4	19.0	29.0	21	305	84	-0.80	50	0.52
6100190400	HIS-OSD-25-R-PN68	1"	25.4	35.0	17	247	68	-0.80	65	0.64
6100190401	HIS-OSD-31-R-PN56	1.1/4	31.8	42.0	14	203	56	-0.80	85	0.83
6100190405	HIS-OSD-38-R-PN40	1.1/2	38.1	49.0	10	145	40	-0.80	95	1.08
6100190407	HIS-OSD-45-R-PN40	1 3/4	44.5	56.0	10	145	40	-0.80	110	1.40
6100190408	HIS-OSD-51-R-PN28	2"	50.8	62.0	7	102	28	-0.80	135	1.54
6100190409	HIS-OSD-63-R-PN16	2.1/2	63.5	75.5	4	58	16	-0.80	180	2.02
6100190410	HIS-OSD-76-R-PN16	3"	76.2	88.0	4	58	16	-0.80	225	2.51
6100190413	HIS-OSD-88-R-PN12	3.1/2	88.9	103.0	3	44	12	-0.80	270	3.16
6100190414	HIS-OSD-102-R-PN8	4"	101.6	115.0	2	29	8	-0.80	390	3.64

SAE J1402 / DIN 74310 AIR BRAKE

Applications

Medium pressure hose lines. Used in automotive air brake systems.

Construction

Special synthetic rubber.

Reinforcement

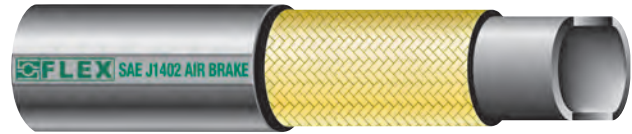
High tensile synthetic textile.

Cover

Abrasion, ozone and weather resistant special black synthetic rubber.

Temperature Range

-40°C to +80°C (-40°F to +176°F)



Applications



ORDER CODE	DESCRIPTION	ID			OD MM	WORKING PRESSURE		BURST PRESSURE BAR	BEND RADIUS MM	WEIGHT G/M
		DASH	INCH	MM		BAR	PSI			
2020000185	HIS-J1402-10-R-PN20.7	-06	3/8	9.5	19	20.7	300	62	89	0.26
2020000229	HIS-J1402-12-R-PN20.7	-08	1/2	13	22.2	20.7	300	62	102	0.33
2020065269	HIS-J1402-16-R-PN20.7	-10	5/8	16	26.9	20.7	300	62	114	0.48