



Hydraulic oil hoses



SAE 100 R4

Suction and delivery hose for hydraulic oil Inner

layer: black synthetic rubber

Reinforcement: synthetic cord, steel spiral

Outer layer Black synthetic rubber

Operating temp: -40°C to +100°C

Robust and flexible suction and delivery hose for low-pressure parts of hydraulic power systems, based on the requirements of SAE J517 100 R4. Used in particular as a suction and oil return hose. Primarily intended for hydraulic fluids based on mineral oil and some synthetic hydraulic fluids. It can also be used for water-based hydraulic fluids and for water with a temperature limitation of +70°C. Suitable for the transfer of many low aromatic petrochemical fluids. Not recommended for petrol, diesel and phosphate ester based oils.

Inner layer of black, smooth, oil-resistant synthetic rubber. Reinforcement is provided by layers of synthetic cord and a steel spiral for high vacuum resistance and very good hose flexibility without kinking. Outer layer of black synthetic rubber, resistant to abrasion, weathering and light oily conditions.

Chemical resistance check: NBR **chemical** resistance table (pre-selection), confirmation of resistance and conditions of use by Tubes International.

Mounting: use industrial hose clamps or hydraulic hose clamps with collets.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
IV-SAE100R4-19	19	30	5,5	21	83	0,9	114	0,61	60 / 120
IV-SAE100R4-25	25	38	6,5	17	69	0,9	150	0,90	60 / 120
IV-SAE100R4-30	30	41	5,5	17	69	0,9	180	0,91	60 / 120
IV-SAE100R4-32	32	43	5,5	14	55	0,9	192	0,96	60 / 120
IV-SAE100R4-35	35	47	6	14	55	0,9	210	1,17	60 / 120
IV-SAE100R4-38	38	49,5	5,75	10	41	0,9	228	1,26	60 / 120
IV-SAE100R4-40X51	40	51	5,5	10	41	0,9	240	1,14	60 / 120
IV-SAE100R4-40	40	53	6,5	10	41	0,9	240	1,44	60 / 120
IV-SAE100R4-42	42	54	6	10	41	0,9	252	1,37	60 / 120
IV-SAE100R4-45	45	56,5	5,75	10	41	0,9	270	1,41	60 / 120
IV-SAE100R4-51	51	64	6,5	7	28	0,9	306	1,78	60 / 120
IV-SAE100R4-63	63,5	76	6,25	4	17	0,9	381	2,14	60 / 120
IV-SAE100R4-76	76	88	6	4	17	0,9	456	2,56	60 / 120
IV-SAE100R4-102	102	115	6,5	2	10	0,9	612	3,78	60 / 120

Note: Indexes highlighted in colour - most commonly used.

SAE 100 R4 DN25 hose with fitted JIC hydraulic fitting with UNF male thread 1.5/8" cone 74° (TI-ZJ110-26-16) clamped with a sleeve (TI-L-39-16).



SAE 100 R4 DN51 hose with CAMLOCK C 2" aluminium coupling (AC-C-200-AX) mounted with two galvanised steel screw clamps (AB-HDC-064-067-W1).

