

# SAE 100 R4

## Hydraulic oil suction and delivery hose



**Application:**

hardwall hose used for the suction and delivery of oil in hydraulic systems.

For hydraulic systems  
Long lifespan  
According to standard

**Specifications:**

SAE J517, type SAE 100 R4



**Tube:**

black, smooth, synthetic rubber, oil resistant (except ester base).

**Reinforcement:**

high strength synthetic cord plus steel helix wire.

**Cover:**

black, smooth (wrapped finish), synthetic rubber, weathering resistant.

**Temperature:**

from -40°C (-40°F) to +100°C (+212°F).

**Branding:**

continuous embossed marking "IVG SAE 100 R4 / quarter and year of production".



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Code	Inside diameter		Outside diameter		Working pressure		Burst pressure		Weight nominal		Bending radius		Vacuum	Length max	
	mm	inch	mm	inch	bar	psi	bar	psi	kg/m	lbs/ft	mm	inch		bar	m
1368559	16	5/8	27	1,06	21	315	84	1260	0,57	0,38	112	4,4	0,9	120	400
1453394	19	3/4	29,5	1,16	21	315	84	1260	0,59	0,40	120	4,7	0,9	120	400
1452800	25	1	35,5	1,40	17	255	68	1020	0,74	0,49	145	5,7	0,9	120	400
1407953	30	1-3/16	40,5	1,60	17	255	68	1020	0,79	0,53	180	7,1	0,9	120	400
1453610	32	1-1/4	42,5	1,67	14	210	56	840	0,9	0,60	195	7,7	0,9	120	400
1453149	38	1-1/2	49	1,93	10,5	158	42	630	1,11	0,74	228	9,0	0,9	120	400
1456652	40	1-37/64	51	2,01	10	150	40	600	1,16	0,78	240	9,5	0,9	120	400
1404962	45	1-49/64	56	2,21	7	105	28	420	1,26	0,85	270	10,6	0,9	120	400
1453378	51	2	62	2,44	7	105	28	420	1,43	0,96	300	11,8	0,9	120	400
1347179	60	2-3/8	72,5	2,86	4	60	16	240	2,12	1,43	335	13,2	0,9	120	400
1397869	63,5	2-1/2	76	2,99	4	60	16	240	2,14	1,46	355	14,0	0,9	120	400
1407783	76	3	88	3,47	4	60	16	240	2,56	1,75	455	17,9	0,9	120	400
1397850	90	3-35/64	103	4,06	3	45	12	180	3,37	2,26	530	20,9	0,9	120	400
1397842	102	4	115	4,53	2,5	38	10	150	3,78	2,58	610	24,0	0,9	120	400

**Variants available on request:**

1. Different diameters.

**Recommended Couplings:**



Thread coupling EN 14420-5 (DIN 2817)



Flanges



Giroexp/S

## SPECIAL DETAILS

### SAFETY INFORMATION – USER RESPONSIBILITIES

The service life of rubber hoses mainly depends on the dedicated use. Equipment and systems where the hose is installed must be designed safely. Since our hose can be designed for different applications, **IVG Colbachini** cannot guarantee the proper functioning of the product for all situations.

The analysis of the technical aspects related to specific uses must be performed by the users when choosing the product that meets their requirements. So, in relation to the variety of operating conditions and applications of the IVG hose, the user is solely responsible for the final choice of the product deemed suitable to satisfy the performance and safety requirements called for the application.

The information and technical data shown in the product data sheets must be examined by users with appropriate technical skills. IVG Colbachini is not responsible for other uses, identified by the end user, that are different from the one shown in its catalogues, product sheets, offers, order confirmations and any recommendations attached.

An inappropriate choice of the product or a failure to follow the procedures of installation, use, maintenance and storage of the hoses may lead to a hose break and cause material damage and/or serious injury to people.

For the selection and proper use of the IVG products you can also refer to the document "Recommendations for selection, storage, use and maintenance of rubber hoses" provided by Assogomma and available on [www.ivgspa.it](http://www.ivgspa.it). These recommendations are according to the international standard ISO 8331, "Plastic and rubber hoses and hose assemblies - Guidelines for selection, storage, use and maintenance."

**For safety reasons, never exceed the working pressure indicated in the product data sheet.**

For specific applications of rubber hoses, please refer to the legal requirements or specific standards; moreover, additional recommendations for particularly critical applications are available.

For further information, contact the Marketing department ([marketing@ivgspa.it](mailto:marketing@ivgspa.it)).