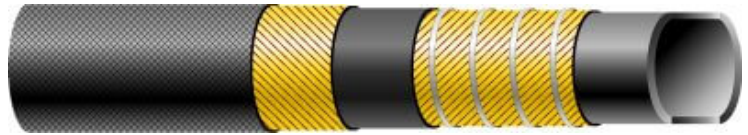


TMR4-Flex-MSHA

Oil - S&D - SAE R4 MSHA cover



SPECIFICATIONS

| | |
|--------------------------|---|
| Application | Suitable for use as an oil return hose according to SAE 100/R4. |
| Feature | Thanks to special helix construction very flexible and small bending radius. |
| Standard/Approval | SAE J517 Type: SAE 100/R4:2017. MSHA approved cover: MSHA IC-8/19. |
| Temperature range | -40°C / +100°C. |
| Safety factor | 4 : 1 |
| Tube | NBR, black, antistatic, smooth. |
| Reinforcement | Textile wrapped, zinc plated double steel wire helix. |
| Cover | SBR/EPDM, black, resistant to ozone and weather, abrasion resistant, limited resistant to oil, cloth impression. |
| Marking | continuous embossed tape: "SEMPERIT [S] TMR4 flex ÖV/Oil SD SAE100/R4-ID MAX. W.P. MPa bar MSHA IC-8/19 XQ/YY". |
| Notice | Hose is only suitable for oils according to SAE 100/R4. ATTENTION: It is vital to be aware of the different working pressures. |

TECHNICAL DETAILS

| Article number | Internal-Ø | | Wall width | External-Ø | Work. pressure (max.) | Number of inserts | Bending radius (min.) | Weight approx. | Coil length (max.) |
|----------------|------------|-------|------------|------------|-----------------------|-------------------|-----------------------|----------------|--------------------|
| | mm | inch | mm | mm | bar | | mm | kg/m | m |
| 48815 1941 | 19.0 | 3/4 | 5.0 | 29.0 | 21 | 2 | 40 | 0.40 | 40 |
| 48815 2541 | 25.0 | 1 | 5.0 | 35.0 | 17 | 2 | 45 | 0.45 | 40 |
| 48815 3241 | 32.0 | 1 1/4 | 5.0 | 42.0 | 14 | 2 | 60 | 0.60 | 40 |
| 48815 3841 | 38.1 | 1 1/2 | 5.5 | 49.1 | 10 | 2 | 90 | 0.75 | 40 |
| 48815 5141 | 51.0 | 2 | 5.5 | 62.0 | 7 | 2 | 160 | 0.90 | 40 |

Vacuum resistance up to -0.9 bar

Please note: Before using our products with new or untested media, or for applications that are not clearly indicated in the product information, written advice must be obtained from a specialist dealer or a Semperit application engineer. For safety reasons, all products must be inspected regularly for operational safety and replaced in the event of any damage [especially of the cover] or unusual signs of wear and tear. All products must be stored, handled, and maintained in accordance with all our respective instructions and DIN 7716:1982. The information in our catalogue as well as each individual datasheet is subject to change at any time without notice since we are constantly developing and improving our products and due to constant technical developments after the latest release date of the catalogue and/or individual datasheets. To always have the latest product and safety information make sure you visit our website [hoses.semperitgroup.com] regularly or contact one of our specialist dealers or a Semperit application engineer. All contracts concluded with us are exclusively subject to our general terms and conditions [available at semperitgroup.com]. Additional important general information about the range, choice and safe use of our products can be found at our website [hoses.semperitgroup.com] and must be followed without exception.

Important notice: Our catalogue and any individual datasheet have been prepared with great care in order to provide you with all the information you need. The information contained therein is based on the state-of-the-art industrial technology and many years of experience and testing; whenever indicated for a certain product, we also confirm conformity with the resistance requirements of the media listed in ISO TR 7620:2005(E). However, the individual conditions of storage, maintenance and use decisively affect the safe and durable use of each product. The quality and safety of our products as indicated in the catalogue or individual datasheets are therefore strictly subject to your continuous observance of all specifications and restrictions in our written product information and applicable laws and standards, the specifications regarding resistance to chemicals and our cleaning procedures. We reject any liability for safety issues or other consequences due to improper product choice, maintenance, or handling [e.g. squashing, rupturing, stretching, or filling with non-approved media]. Our products must not be used in airplanes or other aerial vehicles under any circumstance. Products delivered by us to the USA are manufactured according to IRPM-

IP2, unless specified otherwise. All other hoses are manufactured according to EN ISO 1307:2008, unless specified otherwise. Our products are not designated for the sale to the general public and do not fulfill the conditions for "GS-certification", unless stated otherwise in the product datasheet.