

TYPE APPROVAL CERTIFICATES

Approval Types of Semperit Hoses:

Off-shore	DNV GL	Det Norske Veritas – Germanischer Lloyd
	ABS	American Bureau of Shipping
	RINA	Registro Italiano Navale
	BV	Bureau Veritas
Mining & Special	MSHA	Mine Safety and Health Administration
	OPAVA	Technical Laboratories OPAVA
	LOBA	Landesoberbergamt NRW
	DSK	Oberbergamt für das Saarland und Rheinland-Pfalz
	MA	Mining Certificate China
	GOST	Gossudarstwenny Standart

Management System Certificate



SPECIFICATION OF HYDRAULIC HOSE LENGTH IN ONE SHIPMENT

If no specific hose lengths have been agreed on, the percentage of different lengths in any given delivery shall be as follows:

According to EN 853 – 857:

min. 80% in lengths over 20 m
 max. 20% in lengths over 10 m to 20 m
 max. 3% in lengths over 1 m to 10 m
 no length of hose may be less than 1 m
 tolerance of the specified coil length is $\pm 2\%$



SEMPERIT standard:

min. 90% in lengths over 25 m
 max. 10% in lengths over 5 m to 25 m
 no length of hose is less than 5 m
 tolerance of the specified coil length is $\pm 2\%$

SPECIFICATION OF PRESSURE WASHER HOSE LENGTH IN ONE SHIPMENT

- Multiples of 10 m or according to specifications – prices on request
- Fixed lengths, cut and coiled, ready for crimping – prices on request

GENERAL INFORMATION ON THE USE OF OUR PRODUCTS

The choice of the correct type of hose is very important for proper and safe use in service.

Please check the suitability of the chosen product for the customer's specific applications, and instruct your customers accurately about the functional range of our products and their limitations.

Please note that the suitability of a chosen product for the customer's specific application can only be determined in individual cases and is dependent on the specific installation situation (especially the hose curvature), the combination with a coupling, and the compatibility of the medium with the inner surface of the hose (inner liner).

Please consult our home page www.semperflex.com for further information in detail. This brief overview does not replace specific advice in individual cases.

Please obtain specific advice in the event of any uncertainty!

The number of potential operating hours decreases if the hose is used under unfavourable operating conditions. These include maximum operational pressure, maximum temperature, and minimum bending radius. When several of these factors coincide, the product deteriorates more rapidly and therefore must be replaced sooner.

Therefore please verify operating conditions regularly, and adapt your replacement cycle to them.

Additionally: not suitable for aerial vehicles

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. In order to always have the latest product and safety information make sure you visit our website (www.semperflex.com) regularly or contact one of our specialist dealers or a Semperit application engineer. All contracts with Semperflex are exclusively subject to our general terms and conditions (available at www.semperitgroup.com).

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 indicated in the product catalogue. 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 the continuous observance of all specifications and restrictions in our written product information, applicable laws and standards. 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. Unless specified otherwise, all hoses are manufactured according to EN853, 856, 857 and SAE J 517.

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IMPORTANT INFORMATION:

Incorrect product selection or improper installation of hoses can result in damage to or failure of the hose, (often serious) material damage, and personal injury. Particularly in applications with high operational pressures, non-compliance with specifications can result in a serious risk of injury! Therefore, in case of doubt, please seek specific advice!

CERTIFICATE



The Certification Body
of TÜV Management Service GmbH
certifies that

Semperit AG Holding
Modecenterstraße 22
A-1031 Wien

including the companies see enclosure

has established
and applies a Quality System for

see enclosure

An audit was performed, Report No. **70036964**
Proof has been furnished that the requirements
according to

standards see enclosure

are fulfilled. The certificate is valid until **see enclosure**

Certificate Registration No. **12 100 17906 TMS**

Munich, 2002-12-17

Certification Body
of TÜV Management Service GmbH
Unternehmensgruppe TÜV Süddeutschland



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