

# SIGMA® plus FS 3320

SIGMA - 10 bar - S&D



## SPECIFICATIONS

<b>Application</b>	A premium suction and delivery hose for the pneumatic and hydraulic conveying of abrasive materials, such as cement, sand, phosphates, quartz, dolomite, waste glass, dry mixed animal feed, grain, bark, wood shavings, etc.
<b>Feature</b>	<p>The entire feed system is very easy to assemble due to a specially designed coupling system.</p> <p>Average wear of the tube 50 mm<sup>3</sup> [according to DIN ISO 4649:2021].</p> <p>Colored wear indicator – for early detection that a replacement is required.</p> <p>MSHA approved cover: MSHA IC-08/24.</p> <p>External, segmented coupling system allows easy replacement of hose. Couplings can normally be reused.</p>
<b>Temperature range</b>	-35°C / +80°C.
<b>Safety factor</b>	3,2 : 1
<b>Tube</b>	NR/BR/SBR, black, abrasion resistant, electrically conductive, colored wear indicator.
<b>Reinforcement</b>	Textile wrapped, zinc plated wire helix.
<b>Cover</b>	EPDM/SBR, black, resistant to ozone and weather, abrasion resistant, electrically conductive, corrugated with cloth impression.
<b>Marking</b>	continuous blue mylartape, white letters: „SEMPERIT [S] SIGMA® plus FS 3320 S&D WP 10 bar Made in Europe // // // // //“.
<b>Notice</b>	<p>ATTENTION: Please refer to the Semperit resistance list or, in case of doubt, contact Semperit.</p> <p>ATTENTION: Please see the special handling and storage guidelines for our Sigma® system. On request: reducers, elbow fittings, branches, adaptors, shut-off valves, etc.</p>

# 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
64574 5140	50.8	2	12.0	74.8	10	2	250	3.35	40
64574 6340	63.5	2 1/2	12.0	87.5	10	2	300	4.0	40
64574 7640	76.2	3	19.0	114.2	10	2	350	8.40	40
64574 8240	82.0	3 1/4	16.1	114.2	10	2	350	7.50	40
64574 0040	101.6	4	15.5	132.6	10	2	500	9.00	40
64574 1202	127.0	5	17.5	162.0	10	4	650	12.05	20
64574 1502	152.4	6	18.0	188.4	10	4	750	14.70	20
64574 2020	203.2	8	19.0	241.2	10	4	1250	19.6	20

Vacuum resistance up to 152mm ID -0.9 bar; bigger sizes -0.7 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.