



Fire sleeve - F88 SC

The extruded fire sleeve with silicone coating, high resistance and material density. Available in the standard colour red, but also in other colour coding.

Certifications

DIN EN 45545-2:2013-08-R22/R23-HL3
ISO 15540:2016
Type Approval DNV-GL
certified to IP54 protection class*

Technical data

Backing material	ISO 2078 mineral fibre
Coating	Silicone - ISO 1629 MVQ/VMQ
Temperature Range	Continuous temperature: -60 to +300 °C Short-term with fire exposure up to 1200 °C Short-term partial overheating up to 1600 °C
Technical values	Wall thickness: 3,5 - 4,0 mm Weight: 4,9 kg/m ²
Available sizes	Available lengths 25 m, standard DN65 and over, 5 m

Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

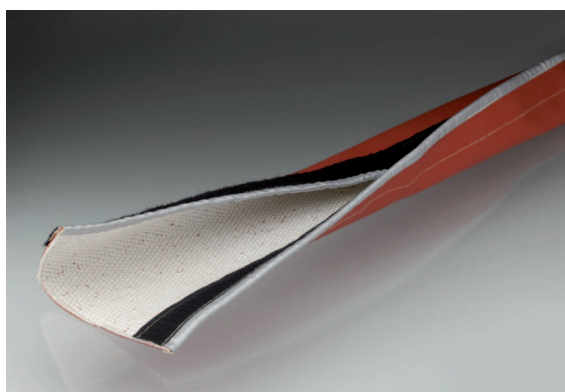
*in combination with original SB-IT fittings;
on request

Product details

DN	product number	approx. weight g/m
12	4488 8 012	190
15	4488 8 015	220
20	4488 8 020	300
25	4488 8 025	360
30	4488 8 030	420
35	4488 8 035	480
40	4488 8 040	550
45	4488 8 045	600
50	4488 8 050	640

DN	product number	approx. weight g/m
55	4488 8 055	750
60	4488 8 060	820
65	4488 8 065	1330
70	4488 8 070	1425
75	4488 8 075	1540
80	4488 8 080	1630





Fire sleeve - F88 SC · Model KV

Silicone-coated fire sleeve with Velcro fastener for subsequent assembly.

Certifications DIN EN 45545-2:2020 R22/R23-HL3

Technical data

Source material	Fire sleeve F88 SC
Fastening	Velcro fastener flame retardant, DIN 75200 / ISO 3795
Technical values	Velcro fastener width to DN90 = 30 mm; from DN100 = 38 mm Kevlar® strips type KV290 as edge protection
Available sizes	Available lengths on demand, maximum 25 m not a stock item; delivery time after consultation

Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant
- Puncture strength DIN EN 60684 >10kv

Product details

DN	product number	approx. weight g/m
30	4499 8 030	520
40	4499 8 040	615
50	4499 8 050	715
60	4499 8 060	810
70	4499 8 070	930
80	4499 8 080	1040
90	4499 8 090	1135
100	4499 8 100	1230
110	4499 8 110	1330
120	4499 8 120	1440

DN	product number	approx. weight g/m
130	4499 8 130	1550
140	4499 8 140	1630
150	4499 8 150	1750
160	4499 8 160	1850
170	4499 8 170	1945
180	4499 8 180	2045
190	4499 8 190	2160
200	4499 8 200	2270
220	4499 8 220	2460
250	4499 8 250	2755





Fire sleeve - F88 SC · Model KK

Silicone-coated fire sleeve with spherical head fastener for subsequent assembly.

Technical data

Source material
Fastening

Fire sleeve F88 SC
Spherical head made of brass, nickel-plated
dimensions 20 mm diameter, height 10 mm
Distance between spherical heads: 100 mm

Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

Technical values

Kevlar® strips type KV290 to prevent thermal bridges on metal fasteners

Available sizes

Available lengths on demand, maximal 25 m
not a stock item;
Delivery time after consultation

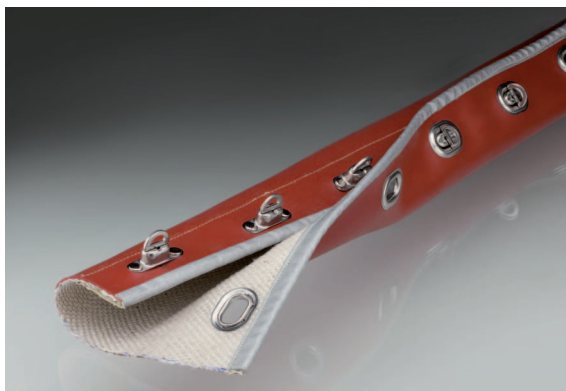
Product details

DN	product number	approx. weight g/m
30	4499 8 630	520
40	4499 8 605	675
50	4499 8 607	775
60	4499 8 609	870
70	4499 8 611	990
80	4499 8 613	1100
90	4499 8 615	1195
100	4499 8 617	1290
110	4499 8 619	1390
120	4499 8 621	1500

DN	product number	approx. weight g/m
130	4499 8 623	1610
140	4499 8 625	1690
150	4499 8 627	1810
160	4499 8 629	1910
170	4499 8 631	2005
180	4499 8 633	1205
190	4499 8 635	2220
200	4499 8 637	2330
220	4499 8 639	2520
250	4499 8 641	2815

Status as of 09/2024 · Technical changes in the course of development reserved.





Fire sleeve - F88 SC · Model DV

Silicone-coated fire sleeve with hook-and-loop fastener for subsequent assembly.

Technical data

Source material
Fastening

Fire sleeve F88 SC
Hook-and-loop fastener made of stainless steel or brass, nickel-plated
Dimensions 22 x 13 mm, height 16 mm
Distance between hook-and-loop fasteners: 100 mm

Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

Technical values

Kevlar® strips type KV290 to prevent thermal bridges on metal fasteners as well as edge protection

Available sizes

Available lengths on demand, maximum 25 m
not a stock item; delivery time after consultation

Product details

DN	product number	approx. weight g/m
30	4499 7 030	640
40	4499 7 040	740
50	4499 7 050	840
60	4499 7 060	940
70	4499 7 070	1045
80	4499 7 080	1160
90	4499 7 090	1255
100	4499 7 100	1350
110	4499 7 110	1450
120	4499 7 120	1560

DN	product number	approx. weight g/m
130	4499 7 130	1670
140	4499 7 140	1750
150	4499 7 150	1870
160	4499 7 160	1970
170	4499 7 170	2070
180	4499 7 180	2065
190	4499 7 190	2270
200	4499 7 200	2370
220	4499 7 220	2590
250	4499 7 250	2880

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Fire sleeve - F88 SC · Model DK

Silicone-coated fire sleeve with snap fastener for subsequent assembly.

Technical data

Source material
Fastening

Fire sleeve F88 SC
Snap fastener made of brass, nickel-plated
dimensions 15 mm diameter, height 3 mm
distance between hook-and-loop fasteners: 80 mm

Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

Technical values

Kevlar® strips type KV290 to prevent thermal bridges on metal fasteners as well as edge protection

Available sizes

Available lengths on demand, maximum 25 m
not a stock item; delivery time after consultation

Product details

DN	product number	approx. weight g/m
30	4499 9 030	580
40	4499 9 040	675
50	4499 9 050	775
60	4499 9 060	870
70	4499 9 070	990
80	4499 9 080	1100
90	4499 9 090	1195
100	4499 9 100	1290
110	4499 9 110	1390
120	4499 9 120	1500

DN	product number	approx. weight g/m
130	4499 9 130	1610
140	4499 9 140	1690
150	4499 9 150	1810
160	4499 9 160	1910
170	4499 9 170	2005
180	4499 9 180	2105
190	4499 9 190	2220
200	4499 9 200	2330
220	4499 9 220	2520
250	4499 9 250	2815

Status as of 09/2024 · Technical changes in the course of development reserved.





Fire sleeve - F88 SC Flex

The extruded and flexible fire sleeve with silicone coating for easy installation.

Technische Daten

Backing material	ISO 2078 mineral fibre
Coating	Silicone - ISO 1629 MVQ/VMQ
Temperature Range	Continuous temperature: -60 to +300 °C Short-term with fire exposure up to 1200 °C Short-term partial overheating up to 1600 °C
Technical values	Wall thickness: 3,0 - 3,5 mm, Weight: 4,5 kg/m ²
Available sizes	Available lengths 25 m; 50 m on request

Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

Product details

DN	product number	approx. weight g/m
5-7	44688005	140
8-10	44688008	150
11-13	44688011	190
14-16	44688014	220
17-19	44688017	270
20-22	44688020	360

DN	product number	approx. weight g/m
23-25	44688023	370
26-30	44688026	440
30-32	44688030	480
35-37	44688035	530
40-42	44688040	590
45-47	44688045	660





Fire sleeve - F88 VIGOSIL

The cost-effective, round-dipped fire sleeve with silicone coating.

Certifications DIN EN 45545-2:2020 R22/R23-HL3
ISO 15540:2016

Technical data

Backing material ISO 2078 mineral fibre, Woven fabric up to DN40,
knitted fabric up to DN100

Coating Silicone - ISO 1629/LSR

Temperature Range Continuous temperature: -60 to +300 °C
Short-term with fire exposure up to 1200 °C
Short-term partial overheating up to 1600 °C

Technical values Wall thickness: 3,0 - 4,0 mm
Weight: 4,5 kg/m²

Available sizes Available lengths 40 m up to DN40,
25 m up to DN100

Key characteristics

- excellent mechanical protection
- halogen-free flame protection
- free of softeners
- free of heavy metals
- REACH-compliant

Product details

DN	product number	approx. weight g/m
6	4448 8 006	204
8	4448 8 008	228
10	4448 8 010	249
13	4448 8 013	262
15	4448 8 015	281
20	4448 8 020	304
22	4448 8 022	321
25	4448 8 025	342
30	4448 8 030	394
32	4448 8 032	416
35	4448 8 035	436
38	4448 8 038	450

DN	product number	approx. weight g/m
40	4448 8 040	461
44	4448 8 044	492
50	4448 8 050	438
57	4448 8 057	581
60	4448 8 060	610
65	4448 8 065	740
70	4448 8 070	800
75	4448 8 075	895
80	4448 8 080	1215
90	4448 8 090	1367
100	4448 8 100	1418

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Strips and Pads F88 SC

Strips and pads cut to measure with a width of up to 950 mm and a length of up to 25 m are available. Fire sleeves can be connected to the fittings on hoses or cables by wrapping thin self-welding silicone tape several times around the sleeves. Besides being wrapped around several times, care should be taken that the ends overlap adequately and well.

Technical data · Strips

Backing material	ISO 2078 mineral fibre
Coating	Silicone - ISO 1629 MVQ/VMQ
Temperature range	Continuous temperature: -60 bis +300 °C Short-term with fire exposure up to 1200 °C Short-term partial overheating up to 1600 °C
Technical values	Wall thickness: 3,5 - 4,0 mm Weight: 4,9 kg/m ² REACH konform

Product details

Strips and Pads		
width	product number	approx. weight g/m
20	4499 0 020	140
30	4499 0 030	165
40	4499 0 040	198
50	4499 0 050	245
60	4499 0 060	314
70	4499 0 070	372
80	4499 0 080	438
90	4499 0 090	502
100	4499 0 100	585

Connections · self-welding		
width	product number	weight in g per 15 m roll
25	4490 0 025	255

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Screw fittings for fire sleeve F88 SC and F88 SC Flex

Hose systems are an important installation and organisation criteria for bundling individual cables. The use of fire sleeves makes this system flame-resistant according to existing standards and guarantees a high retention of function in the event of a fire. The fittings are absolutely watertight in the force-fit connection to the hose. We assemble the required hose line after provision of the cables, which we are also happy to do in our own workshop if you so require.

Technical data

Connections metric thread according to EN 60423 or PG DIN 40430

Certifications Certified to IP54 protection class*
EN 60529:1991

*in combination with F88 SC; on request.

Product details · F88 SC

DN	thread EN 60423	product number fitting	smallest internal diameter mm	SW 1 · SW 2 mm	for F88 SC product number
10	M 16 x 1,5	44405 3 410	11,5	23/25	4488 8 010
15	M 20 x 1,5	44405 3 415	16,0	27/29	4488 8 015
20	M 25 x 1,5	44405 3 420	21,0	34/36	4488 8 020
30	M 32 x 1,5	44405 3 425	27,5	43/45	4488 8 030
40	M 40 x 1,5	44405 3 440	35,0	52/54	4488 8 040
50	M 50 x 1,5	44405 3 450	45,0	63/66	4488 8 050

Product details · F88 SC Flex

DN	thread EN 60423	product number fitting	smallest internal diameter mm	SW 1 · SW 2 mm	for F88 SC product number
10	M 16 x 1,5	44405 3 410	11,5	23/25	4488 8 010
15	M 20 x 1,5	44405 3 415	16,0	27/29	4488 8 015
20	M 25 x 1,5	44405 3 420	21,0	34/36	4488 8 020
30	M 32 x 1,5	44405 3 425	27,5	43/45	4488 8 030
40	M 40 x 1,5	44405 3 440	35,0	52/54	4488 8 040
50	M 50 x 1,5	44405 3 450	45,0	63/66	4488 8 050

Tolerances of the coating thickness may cause increased assembly expenditure.





Feuerschutzschlauch - Typ F88 Basalt *eco*

The fire sleeve type F88 Basalt eco made of braided basalt fibres was developed for extremely heat-exposed workplaces, e.g. induction furnaces.

Carrier material is an environmentally compatible basalt fibre knit with high temperature resistance (up to +700°C). The basalt fibre is extracted from a natural rock and produced in an environmentally friendly production process with low CO₂ emissions into the atmosphere.

Technical data

Carrier Material Braided basalt fiber

Coating Silicone

Temperature Range Continuous temperature: -50°C to +260°C
Short-term heat resistance up to bis +300°C
Good protection against short-term partial overheating, like metal splash (up to 1600°C)
Good protection against short-term exposure to flame (up to 1200°C)

Product details

DN	product number	Innen-Ø mm
6	4488 1 006	6,00
10	4488 1 010	10,00
12	4488 1 012	12,00
15	4488 1 015	15,00
20	4488 1 020	20,00
25	4488 1 025	25,00
30	4488 1 030	30,00
35	4488 1 035	35,00
40	4488 1 040	40,00

DN	Artikelnummer	Innen-Ø mm
50	4488 1 050	50,00
55	4488 1 055	55,00
60	4488 1 060	60,00
65	4488 1 065	65,00
70	4488 1 070	70,00
75	4488 1 075	75,00
80	4488 1 080	80,00
100	4488 1 0100	100,00

Status as of 09/2024 · Technical changes in the course of development reserved.





Pyrotexx® IS - Fire Sleeve

Pyrotexx® fire sleeve is used to protect employees from burns due to hot hoses or pipes, while reducing costly heat energy losses. It provides excellent resistance to intense radiant heat, sparks, molten metal splashes and occasional flame.

Technical Data

Carrier material	Braided glass fiber
Coating	Silicone
Temperature Range	-60°C up to +260°C short term exposure up to 1.100°C max. short term exposure: 1.600°C
Properties	Very good flexibility Water and oil resistant

Fields of application

- Metallurgy
- Incineration plants
- Steam and oil lines
- Injection molding machines
- Drawing presses

Product details

DN	product number	roll length m
6	4470 0 006	20
8	4470 0 008	20
10	4470 0 010	20
13	4470 0 013	20
15	4470 0 015	20
19	4470 0 019	20
25	4470 0 025	20
30	4470 0 030	20
32	4470 0 032	20
35	4470 0 035	20
40	4470 0 040	20
45	4470 0 045	20
50	4470 0 050	20

DN	product number	roll length m
57	4470 0 057	20
60	4470 0 060	20
64	4470 0 064	20
70	4470 0 070	20
76	4470 0 076	20
80	4470 0 080	15
85	4470 0 085	15
90	4470 0 090	15
95	4470 0 095	15
100	4470 0 100	15
110	4470 0 110	10
125	4470 0 125	10

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