**Types:**

FG-S-O  
 FG-S-G  
 FG-S-B  
 FG-S-K  
 FG-E-K

**Application:**

Universal exhaust air, extraction and conveying hose, e.g. for smoke, shavings and waste gases

**Properties:**

- flexible
- resistant to torsion

**Design:**

- stripwound metal hose
- interlocked profile
- polygonal cross-section

**Materials:**

- steel, hot-dip galvanised (1.0226)
- stainless steel (1.4301)

**Versions:**

- without seal – O
- with rubber seal – G
- with cotton seal – B
- with ceramic seal – K

**Operating temperature:**

- galvanised, with rubber seal: 60° C
- galvanised, with cotton seal: 120° C
- galvanised, with ceramic seal: 400° C
- stainless steel, with ceramic seal: 600° C

**Production lengths:**

- In extended position
- up to DN 180: max. 25 m
  - DN 200 and above: max. 20 m
  - DN 350 and above: max. 8 m

**Supplied in the following forms:**

Bundled in rings

**Order specifications:**

- extraction hose, galvanised steel, without seal  
Type FG-S-O
- extraction hose, galvanised steel, with cotton seal  
Type FG-S-B
- extraction hose, galvanised steel, with rubber seal  
Type FG-S-G
- extraction hose, galvanised steel, with ceramic seal  
Type FG-S-K
- extraction hose, stainless steel, with ceramic seal  
Type FG-E-K

## Extraction, exhaust and conveying hoses

### Type FG-S-O, FG-S-G, FG-S-B, FG-S-K, FG-E-K

Galvanised steel or stainless steel, with choice of seals

DN	Inside diameter	Outside diameter	Permissible tolerance		Minimum bending radius	Weight approx.
			d	D		
—	d	D	mm	mm	r <sub>min</sub>	—
—	mm	mm	mm	mm	mm	kg/m
<b>20</b>	20.0	24.0	±0.3	±0.5	100	0.350
<b>25</b>	25.0	29.0	±0.3	±0.5	110	0.430
<b>30</b>	30.0	34.0	±0.4	±0.6	130	0.510
<b>32</b>	32.0	36.0	±0.4	±0.6	140	0.545
<b>35</b>	35.0	39.0	±0.4	±0.6	150	0.590
<b>38</b>	38.0	42.0	±0.4	±0.6	155	0.645
<b>40</b>	40.0	44.5	±0.4	±0.5	155	0.675
<b>45</b>	45.0	49.5	±0.4	±0.5	165	0.755
<b>50</b>	50.0	54.5	±0.5	±0.6	180	0.835
<b>60</b>	60.0	65.5	±0.5	±0.8	215	1.01
<b>63</b>	63.0	68.5	±0.6	±1.0	225	1.06
<b>65</b>	65.0	70.5	±0.6	±1.0	230	1.09
<b>70</b>	70.0	75.5	±0.6	±1.0	240	1.17
<b>71</b>	71.0	76.5	±0.6	±1.0	245	1.19
<b>75</b>	75.0	80.5	±0.6	±1.0	255	1.25
<b>80</b>	80.0	85.5	±0.8	±1.2	270	1.34
<b>81</b>	81.5	87.0	±0.8	±1.2	275	1.36
<b>85</b>	85.0	90.5	±0.8	±1.2	275	1.42
<b>90</b>	90.0	97.0	±0.8	±1.2	280	1.85
<b>100</b>	100.0	107.0	±0.8	±1.2	300	2.04
<b>102</b>	102.0	109.0	±0.8	±1.2	300	2.08
<b>110</b>	110.0	117.0	±0.8	±1.2	330	2.24
<b>112</b>	112.0	119.0	±0.8	±1.2	340	2.28

Please quote when ordering: type of hose, material, nominal diameter (DN), length

## Extraction, exhaust and conveying hoses

### Type FG-S-O, FG-S-G, FG-S-B, FG-S-K, FG-E-K

Galvanised steel or stainless steel, with choice of seals

DN	Inside diameter	Outside diameter	Permissible tolerance		Minimum bending radius	Weight approx.
			d	D		
—	d	D	mm	mm	r <sub>min</sub>	—
—	mm	mm	mm	mm	mm	kg/m
<b>120</b>	120.0	127.0	±0.8	±1.2	380	2.44
<b>122</b>	122.5	129.5	±0.8	±1.2	390	2.49
<b>125</b>	125.0	132.0	±0.8	±1.2	400	2.54
<b>130</b>	130.0	138.5	±1.0	±1.5	410	2.92
<b>140</b>	140.0	148.5	±1.0	±1.5	430	3.13
<b>150</b>	150.0	158.5	±1.0	±1.5	460	3.35
<b>160</b>	160.0	168.5	±1.0	±1.5	490	3.57
<b>175</b>	175.0	184.0	±1.0	±1.5	530	3.90
<b>180</b>	180.0	189.0	±1.0	±1.5	540	4.01
<b>200</b>	200.0	210.5	±1.5	±2.0	560	5.51
<b>210</b>	210.0	220.5	±1.5	±2.0	585	5.78
<b>224</b>	224.0	234.5	±1.5	±2.0	625	6.15
<b>225</b>	225.0	235.5	±1.5	±2.0	630	6.18
<b>250</b>	250.0	260.5	±1.5	±2.0	700	6.85
<b>275</b>	275.0	285.5	±1.5	±2.0	770	7.52
<b>280</b>	280.0	291.0	±1.5	±2.0	800	7.66
<b>300</b>	300.0	311.0	±2.0	±2.5	850	8.20
<b>315</b>	315.0	326.0	±2.0	±2.5	890	8.60
<b>350</b>	350.0	367.5	±2.0	±2.5	1420	14.0
<b>355</b>	355.0	327.5	±2.0	±2.5	1440	14.2
<b>400</b>	400.0	417.5	±3.0	±3.5	1620	16.0
<b>450</b>	450.0	467.5	±3.0	±3.5	1820	17.9
<b>500</b>	500.0	517.5	±3.0	±3.5	2020	19.9

Larger nominal diameters available on request

Please quote when ordering: type of hose, material, nominal diameter (DN), length

## Conveying hoses

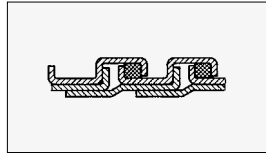
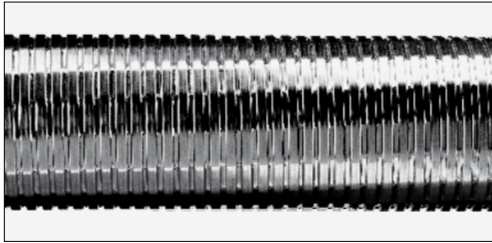
With interior abrasion protection

## Type FS

## Conveying hoses

With interior abrasion protection

## Type FS



### Types:

FS-S-G  
FS-S-B  
FS-S-K  
FS-E-K

### Application:

Conveying hose with smooth interior surface, e.g. suitable for granulates, grain and abrasive materials

### Properties:

- flexible
- resistant to torsion
- low wear and tear
- good tightness

### Design:

- stripwound metal hose
- interlocked profile
- polygonal cross-section
- with inserted coil as abrasion protection

### Materials:

- hot-dip galvanised steel (1.0226)
- stainless steel (1.4301)

### Versions:

- also available on request in the combination: galvanised steel with stainless-steel interior helix
- with rubber seal – G
- with cotton seal – B
- with ceramic seal - K

### Operating temperature:

- galvanised, with rubber seal: 60° C
- galvanised, with cotton seal: 120° C
- galvanised, with ceramic seal: 400° C
- stainless steel, with ceramic seal: 600° C

### Production lengths:

- In extended position
- up to DN 180: max. 25 m
  - DN 200 and above: max. 20 m
  - DN 350 and above: max. 8 m

### Supplied in the following forms:

Bundled in rings

### Order specifications:

- conveying hose, galvanised steel, with rubber seal  
Type FS-S-G
- conveying hose, galvanised steel, with cotton seal  
Type FS-S-B
- conveying hose, galvanised steel, with ceramic seal  
Type FS-S-K
- conveying hose, stainless steel, with ceramic seal  
Type FS-E-K

**Conveying hoses****Type FS-S-G, FS-S-B, FS-S-K, FS-E-K**

With interior abrasion protection

Galvanised steel or stainless steel with choice of seals

Inside diameter	Outside diameter	Permissible tolerance	Bending radius ± 20 %	Weight ± 10 %		
				With cotton seal	With ceramic seal	With rubber seal
d <sub>1</sub>	D <sub>2</sub>	±	–	kg/m	kg/m	kg/m
mm	mm	mm	mm	kg/m	kg/m	kg/m
<b>45</b>	53.5	0.5	200	2.030	2.070	2.060
<b>50</b>	58.5	0.5	215	2.255	2.300	2.290
<b>55</b>	63.5	0.5	230	2.480	2.530	2.520
<b>60</b>	68.5	0.5	240	2.705	2.760	2.750
<b>65</b>	73.5	0.7	250	2.920	2.980	2.970
<b>70</b>	78.5	0.7	260	3.155	3.220	3.205
<b>75</b>	83.5	0.7	275	3.360	3.430	3.415
<b>80</b>	89.0	0.7	285	3.595	3.670	3.655
<b>90</b>	99.5	1.0	345	4.230	4.280	4.390
<b>100</b>	109.5	1.0	380	4.700	4.750	4.870
<b>105</b>	114.5	1.0	400	4.880	4.970	4.915
<b>110</b>	120.0	1.0	410	5.260	5.320	5.450
<b>120</b>	130.0	1.0	450	5.640	5.710	5.850
<b>125</b>	135.0	1.0	470	6.080	6.160	6.100
<b>130</b>	140.0	1.0	485	6.110	6.180	6.350
<b>140</b>	150.0	1.0	515	6.580	6.660	6.840
<b>150</b>	162.5	1.5	545	6.960	7.160	7.460
<b>160</b>	172.5	1.5	570	7.390	7.600	7.910
<b>170</b>	182.5	1.5	590	7.840	8.060	8.390
<b>180</b>	192.5	1.5	620	8.300	8.540	8.900
<b>190</b>	202.5	1.5	650	8.770	9.020	9.400
<b>200</b>	212.5	1.5	680	9.230	9.490	9.890
<b>210</b>	223.0	1.5	715	9.690	9.970	10.380

**Conveying hoses****Type FS-S-G, FS-S-B, FS-S-K, FS-E-K**

With interior abrasion protection

Galvanised steel or stainless steel with choice of seals

Inside diameter	Outside diameter	Permissible tolerance	Bending radius ± 20 %	Weight ± 10 %		
				With cotton seal	With ceramic seal	With rubber seal
d <sub>1</sub>	D <sub>2</sub>	±	–	kg/m	kg/m	kg/m
mm	mm	mm	mm	kg/m	kg/m	kg/m
<b>225</b>	238.0	1.5	765	10.400	10.700	11.150
<b>250</b>	265.0	2.0	880	15.470	15.680	16.330
<b>275</b>	290.0	2.0	1010	17.030	17.260	17.980
<b>280</b>	295.0	2.0	1040	17.340	17.570	18.340
<b>300</b>	315.0	2.0	1145	18.590	18.840	19.640
<b>310</b>	325.0	2.0	1200	19.210	19.460	20.270
<b>350</b>	365.0	2.0	1410	21.730	22.020	22.940
<b>380</b>	395.0	2.0	1565	23.580	23.900	24.930
<b>400</b>	415.0	2.0	1670	24.880	25.210	26.260
<b>450</b>	470.0	2.0	1930	28.010	28.420	29.600

*Please quote when ordering: type of hose, material, nominal diameter (DN), length*