



 **GH BLIZZARD**

# B

## PU-COATED SNOW HOSE IN DOUBLE JACKET CONSTRUCTION, RIBBED

### APPLICATIONS

- Feeder hose for snow-making systems
- High-pressure, heavy duty industrial hose

### FEATURES

- Continuous high working pressure, sufficient reserves for pressure peaks
- Good visibility in snow, even in twilight
- Very resistant to abrasion, tough and durable
- Outstanding resistance to ageing, UV and ozone
- Very good flexibility at low temperatures
- Mildew and rotproof

### CONSTRUCTION

Jacket lining:

- High-tenacity polyester yarn, circular woven in twill weave
- Reinforced double jacket construction, high-pressure design yet lightweight and flexible

Lining:

- High-grade EPDM rubber, specially designed to be flexible at low temperatures
- Co-extruded CR rubber adhesive layer, penetrates during steam vulcanisation almost completely

into the weaving structure

- Excellent adhesion between the rubber and jacket, very smooth for minimum pressure loss
- Reinforced design: eliminates coupling binding leaks

Outer coating:

- Highly abrasion-resistant, ribbed polyurethane in signal colour
- Protection against mechanical damage on the jacket, dirt- and water-repellent
- Maintains good grip in the snow

### PRESSURES

In accordance with EN ISO 7751 specifications for water.

Please note that for compressed air a minimum ratio of 1: 4 must be maintained between the working pressure and the burst pressure.

Pressure specifications apply only to hose lines with couplings extruded by us – otherwise only to the hose.

### STANDARD LENGTH

20, 30, 40, 60 m, cut to length for a surcharge

### STANDARD COLOR

Orange

**TEMPERATURE**

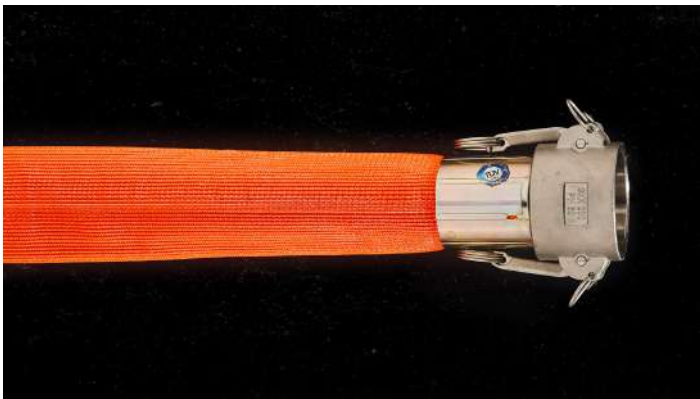
-40°C to +80°C (specifications apply to water)

**INDIVIDUAL SOLUTIONS**

- Colour according to customer specification and continuous marking with customer logo

Please note that special designs are available for an additional charge from approx. 1,000 m per cut. Production short lengths and overproduction up to 10% of the total order quantity must be accepted.

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Proof pressure in bar / PSI	Bursting pressure in bar / PSI
38	460	4	60 / 870	90 / 1305	150 / 2175
52	660	4	60 / 870	90 / 1305	150 / 2175





 **GH HERKULES 2F**

# H2F

## COATED FIRE AND INDUSTRIAL HOSE

### APPLICATIONS

- Fire brigades
- Industry
- Shipping
- Military
- Disaster relief
- Construction
- Agriculture

### FEATURES

- Very lightweight and highly flexible (also at extremely low temperatures)
- Excellent resistance to heat, ageing and ozone
- Lining extremely resistant to seawater and a wide range of chemicals (see resistance table)
- Tough and durable
- Mildew and rotproof
- Easy to repair

### CONSTRUCTION

#### Jacket:

- High-tenacity polyester yarn, circular woven in twill weave (much more resistant to abrasion than plain weave)
- 2-ply warp threads, lightweight, tough and flexible

#### Lining:

- High-grade EPDM rubber, flexible at low temperatures, suitable also for hot water, wall thickness 0.8 mm
- Excellent resistance to seawater, chemicals, UV radiation and ozone (much better than e.g. SBR)
- Co-extruded adhesive layer (0.2 mm wall thickness), penetrates during vulcanisation almost completely into the weaving structure
- This type of rubber guarantees a very smooth lining with low friction loss and excellent adhesion between the rubber and jacket

#### Outer coating:

- Highly abrasion-resistant synthetic coating for better resistance against heat, oil and chemicals
- Extra mechanical protection against jacket damage

## PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

## STANDARD LENGTH

Up to 60 m

## STANDARD COLOR

Red

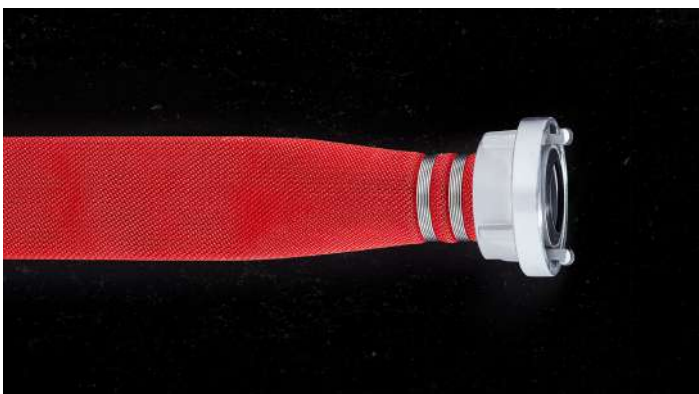
## TEMPERATURE

-40°C to +80°C (specifications apply to water)

## INDIVIDUAL SOLUTIONS

- Single lengths longer than 60 m
- Other inner diameters
- Personalised marking also with your company logo
- Professional assembly of all coupling systems suited to layflat hoses

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI
25	160	1,6	16 / 230	20 / 290	50 / 725
32	170	1,6	16 / 230	20 / 290	50 / 725
38	195	1,6	16 / 230	20 / 290	50 / 725
45	240	1,6	16 / 230	20 / 290	50 / 725
52	285	1,8	16 / 230	20 / 290	50 / 725
65	340	1,8	16 / 230	20 / 290	50 / 725
70	405	1,8	16 / 230	20 / 290	50 / 725
75	440	1,8	16 / 230	20 / 290	50 / 725
90	565	2,2	10 / 145	12 / 175	30 / 435
102	705	2,2	10 / 145	12 / 175	30 / 435
127	870	2,2	10 / 145	12 / 175	30 / 435
152	1.150	2,2	10 / 145	12 / 175	30 / 435





 **GH HERKULES 3F**

# H3F

## COATED FIRE AND INDUSTRIAL HOSE

### APPLICATIONS

- Fire brigades
- Industry
- Shipping
- Military
- Disaster relief
- Construction
- Agriculture

### FEATURES

- Very lightweight and highly flexible (also at extremely low temperatures)
- Excellent resistance to heat, ageing and ozone
- Lining extremely resistant to seawater and a wide range of chemicals (see resistance table)
- Tough and durable
- Mildew and rotproof
- Easy to repair

### CONSTRUCTION

#### Jacket:

- High-tenacity polyester yarn, circular woven in twill weave (much more resistant to abrasion than plain weave)
- 3-ply warp threads, heavy duty construction for better abrasion resistance and increased pressure parameters

#### Lining:

- High-grade EPDM rubber, flexible at low temperatures, suitable also for hot water, wall thickness 0.8 mm
- Excellent resistance to seawater, chemicals, UV radiation and ozone (much better than e.g. SBR)
- Co-extruded adhesive layer (0.2 mm wall thickness), penetrates during vulcanisation almost completely into the weaving structure
- This type of rubber guarantees a very smooth lining with low friction loss and excellent adhesion between the rubber and jacket

#### Outer coating:

- Highly abrasion-resistant synthetic coating for better resistance against heat, oil and chemicals
- Extra mechanical protection against jacket damage

## PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

## STANDARD LENGTH

Up to 60 m

## STANDARD COLOR

Red

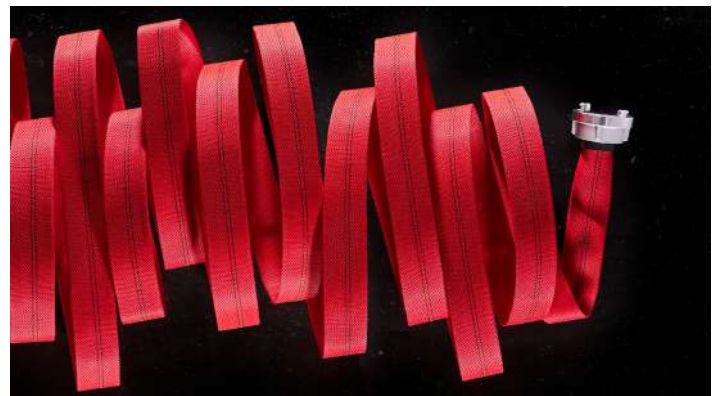
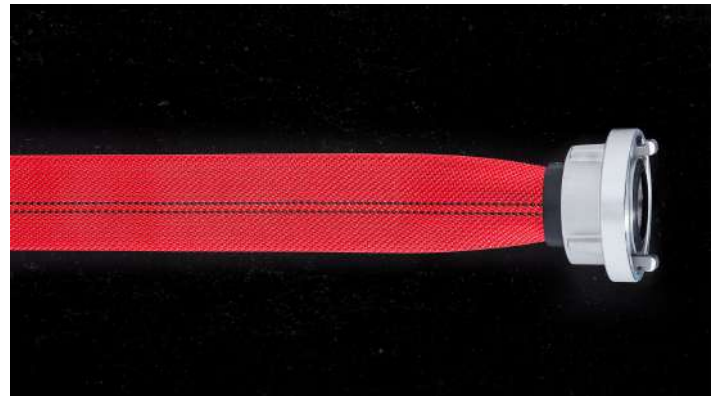
## TEMPERATURE

-40°C to +80°C (specifications apply to water)

## INDIVIDUAL SOLUTIONS

- Single lengths longer than 60 m
- Other inner diameters
- Personalised marking also with your company logo
- Professional assembly of all coupling systems suited to layflat hoses

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Bursting pressure in bar / PSI
25	160	1,9	16 / 230	60 / 870
38	235	2,1	16 / 230	60 / 870
40	255	2,1	16 / 230	60 / 870
42	270	2,1	16 / 230	60 / 870
45	290	2,1	16 / 230	60 / 870
52	325	2,1	16 / 230	60 / 870
55	355	2,1	16 / 230	60 / 870
65	450	2,2	16 / 230	60 / 870
70	500	2,2	16 / 230	60 / 870
75	540	2,2	16 / 230	60 / 870
110	860	2,3	12 / 175	36 / 520
152	1.270	2,3	12 / 175	36 / 520





 **GH HILCOFLEX**

**H**

## MULTI-PURPOSE HOSE WITH RUBBERISED LINING AND JACKET

### APPLICATIONS

- Construction and industry
- Agriculture and mining
- Liquids (incl. hot water) and compressed air
- Irrigation and liquid manure distribution
- Sewer cleaning and cable protection
- For heavy duty

### FEATURES

- Resistant to abrasion, tough and durable
- Resistant to oil, petrol and chemicals (see resistance table)
- Resistant to heat, ageing and ozone
- Very low pressure loss and low elongation
- Very lightweight, flexible and pressure-resistant compared to mandrel-wound industrial hoses
- For heavy duty

### CONSTRUCTION

Jacket lining:

- Warp: high-tenacity polyester

Weft: polyamide/polyester; circular woven

- The special jacket construction ensures low elongation, outstanding adhesion and much lower pressure loss compared to a 100% polyester jacket lining
- Totally embedded in the rubber, offering optimum protection against mechanical damage

Rubberised lining and jacket:

- Very high-grade NBR/PVC compound, extruded through the weave in a special one-step production process
- Special additives in the compound guarantee outstanding resistance to ageing and ozone
- Lining: very smooth for minimum pressure loss
- Cover: ribbed for excellent abrasion resistance, protection against contact heat

## PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly. For compressed air, the maximum working pressure is 25% of the burst pressure.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

## BREAKING STRENGTH

The maximum tensile load in continuous use should not exceed 1/3 of the breaking strength.

## STANDARD LENGTH

100 m, cut to length for a surcharge

## STANDARD COLOR

Black for all dimensions;  
yellow Ø 20, 26, 38, 52, 65, 76, 102, 127

## TEMPERATURE

Continuous use -20°C to +80°C (water), Temporary up to +100°C (water)

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
20	180	2	25 / 365	30 / 435	75 / 1090	1.000
26	210	2,2	25 / 365	30 / 435	75 / 1090	1.200
32	240	2,2	20 / 290	24 / 350	60 / 870	1.600
35	250	2,2	16 / 230	20 / 290	50 / 725	1.600
38	300	2,3	16 / 230	20 / 290	50 / 725	1.700
40	310	2,3	16 / 230	20 / 290	50 / 725	1.700
45	340	2,3	16 / 230	20 / 290	50 / 725	3.000
52	400	2,5	16 / 230	20 / 290	50 / 725	3.900
55	420	2,5	16 / 230	20 / 290	50 / 725	3.900
60	550	2,5	16 / 230	20 / 290	50 / 725	4.100
65	540	2,5	16 / 230	20 / 290	50 / 725	4.300
70	600	2,8	16 / 230	20 / 290	50 / 725	6.300
76	650	2,9	16 / 230	20 / 290	50 / 725	6.500
80*	800	3,2	16 / 230	20 / 290	50 / 725	7.500
90	900	3,3	16 / 230	20 / 290	50 / 725	8.500
102	1.000	3,3	16 / 230	20 / 290	50 / 725	9.500
110	1.200	3,3	15 / 220	18 / 260	45 / 655	10.500
120*	1.400	3,5	14 / 205	17 / 245	42 / 610	11.000
127	1.400	3,5	14 / 205	17 / 245	42 / 610	17.000
152	1.800	3,7	14 / 205	17 / 245	42 / 610	17.900
203	2.600	3,9	10 / 145	12 / 175	30 / 435	26.900
254*	4.200	5,2	10 / 145	12 / 175	30 / 435	43.200







 **GH HILCOFLEX AGRO**

# HA

## AGRICULTURAL HOSE WITH RUBBERISED LINING AND JACKET

### APPLICATIONS

- Irrigation, especially pivot systems
- Liquid manure distribution
- Slurry and waste-water distribution
- Transport hose for watering and drainage
- For particularly heavy duty

### FEATURES

- Unbeatable resistance to ageing and ozone
- Outstanding abrasion-resistance properties, even on difficult ground surfaces
- Very good resistance to fertilisers, agricultural chemicals and microorganisms
- Very high tensile strength, low pressure loss and elongation
- Excellent adhesion between the rubber and jacket lining
- Tough and durable

### CONSTRUCTION

Jacket lining:

- Warp: high-tenacity polyester, reinforced design

Weft: polyamide/polyester; circular woven

- The special jacket construction ensures outstanding adhesion, tight bending radii and much lower pressure loss compared to a 100% polyester jacket lining
- Very little elongation under pressure thanks to a special weaving and vulcanisation process
- Totally embedded in the rubber, offering optimum protection against mechanical damage

Rubberised lining and jacket:

- Very high-grade NBR/PVC compound, extruded through the weave in a special one-step production process
- Special additives in the compound guarantee outstanding resistance to ageing and ozone
- Inside: very smooth for minimum pressure loss
- Outside: reinforced cover and strong longitudinal ribs for extremely high abrasion resistance

## PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly. For compressed air, the maximum working pressure is 25% of the burst pressure.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

## BREAKING STRENGTH

The maximum tensile load in continuous use should not exceed 1/3 of the breaking strength.

## STANDARD LENGTH

100/200 m, cut to length for a surcharge

## STANDARD COLOR

Black

## TEMPERATURE

Continuous use -20°C to +80°C (water), Temporary up to +100°C (water)

## INDIVIDUAL SOLUTIONS

- Colour according to customer specification
- Professional assembly of all coupling systems suited to layflat hoses

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
<b>HILCOFLEX AGRO</b>						
52	600	3,3	16 / 230	20 / 290	50 / 725	3.900
65	750	3,3	16 / 230	20 / 290	50 / 725	6.300
76	900	3,3	16 / 230	20 / 290	50 / 725	8.800
90	1.200	3,4	16 / 230	20 / 290	50 / 725	10.900
102	1.350	3,5	16 / 230	20 / 290	50 / 725	12.400
114*	1.450	3,7	15 / 220	18 / 260	45 / 655	12.400
127	1.700	3,9	15 / 220	18 / 260	45 / 655	17.000
154	1.950	3,9	14 / 205	17 / 245	42 / 610	17.900
180*	2.900	4,5	14 / 205	17 / 245	42 / 610	24.000
205	3.500	4,5	10 / 145	12 / 175	30 / 435	26.900
254*	4.200	5,2	10 / 145	12 / 175	30 / 435	43.200
<b>HILCOFLEX AGRO EXTRA</b>						
127	1.950	4,2	15 / 220	18 / 260	45 / 655	17.000
154	2.250	4,2	14 / 205	17 / 245	42 / 610	17.900
<b>HILCOFLEX AGRO EXTRA SUPER HEAVY</b>						
127	2.100	4,5	15 / 220	18 / 260	45 / 655	17.000
150	2.700	4,5	14 / 205	17 / 245	42 / 610	17.900
<b>HILCOFLEX AGRO EXTRA GLATT</b>						
65	900	3,8	16 / 230	20 / 290	50 / 725	6.300
76	1.100	3,8	16 / 230	20 / 290	50 / 725	8.800
90	1.200	3,8	16 / 230	20 / 290	50 / 725	10.900
102*	1.400	3,8	16 / 230	20 / 290	50 / 725	12.400
<b>HILCOFLEX AGRO EXTRA HP</b>						
102*	1.500	4,4	20 / 290	24 / 350	60 / 870	13.500
127*	2.000	4,8	20 / 290	24 / 350	60 / 870	18.100
154*	2.400	4,8	16 / 230	20 / 290	50 / 725	17.900
205*	4.000	5,3	14 / 205	17 / 245	42 / 610	28.800



 **GH HILCOFLEX AQUA**

# HA

## DURABLE POLYURETHANE POTABLE WATER HOSE

### APPLICATIONS

- Municipal waterworks
- Water associations
- Exhibitions, fairs and camp sites
- Potable water supply
- Emergency water and bypass line
- Transfer hose for ships

### FEATURES

- Extremely tough, resistant to wear and durable
- Easy to clean and disinfect, no need to dry hose
- Excellent resistance to all standard disinfectants
- Resistant to ageing and ozone
- Space-saving and easy to use compared to PE or metal pipes
- Very good flexibility at low temperatures

### CONSTRUCTION

Jacket lining:

- High-tenacity polyester yarn, circular woven
- Specially designed for high compressive strength and tight bending radii
- Totally embedded in the polyurethane, offering optimum protection against mechanical damage
- No opportunity for microbe or bacteria growth

Lining and jacket:

- Special potable water polyurethane, extruded through the weave in a one-step production process
- Highly resistant to abrasion, 10 times longer service life than coated hoses
- Inside: very smooth for minimum pressure loss, easy to clean and disinfect
- Outside: very smooth for good flexibility

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

### STANDARD LENGTH

100 m, cut to length for a surcharge

**STANDARD COLOR**

Blue

**TEMPERATURE**

-20°C to +75°C (water)

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
25	160	1,6	16 / 230	50 / 725	1.200
38	280	1,8	16 / 230	50 / 725	1.700
45	330	1,8	16 / 230	50 / 725	3.000
52	500	2,0	16 / 230	50 / 725	3.700
65*	650	2,0	16 / 230	50 / 725	4.300
76	750	2,5	16 / 230	50 / 725	6.500
102*	1.150	2,8	14 / 205	42 / 610	9.500
127*	1.400	2,8	10 / 145	30 / 435	12.000
152*	1.650	2,8	10 / 145	30 / 435	15.000
203*	2.200	3,0	8 / 115	24 / 350	18.500
254*	2.850	3,2	7 / 100	21 / 305	23.500





 **GH HILCOFLEX OIL**

# HO

## ELECTRO-CONDUCTIVE MULTI-PURPOSE HOSE

### APPLICATIONS

- Refineries
- Industry
- Waste disposal
- Military
- Industrial and mine fire services
- Transporting oil, fuel and other flammable liquids
- Ship fuelling
- Tank cleaning
- Firefighting in mines and other potentially explosive areas
- Powder extinguisher hose

### FEATURES

- Excellent resistance to oil, petrol and chemicals
- Resistant to heat, ageing and ozone
- Very durable, suitable for harsh environments
- Excellent adhesion between the rubber and jacket
- Very lightweight compared to mandrel-wound industrial hoses
- No cleaning or drying required

### CONSTRUCTION

Jacket lining:

- High-tenacity polyester/polyamide yarn, circular woven
- Totally embedded in the rubber, offering optimum protection against damage
- Interwoven copper strands for electro-conductivity

Rubberised lining and jacket:

- Special NBR/PVC compound
- Electrical resistance less than  $10^6$  ohms
- Extruded through the weave
- Inside: very smooth for minimum pressure loss
- Outside: ribbed for excellent abrasion and kink resistance, protection against contact heat

### STANDARD LENGTH

100 m

### STANDARD COLOR

Army green

### INDIVIDUAL SOLUTIONS

Single lengths up to 200 m

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
26*	210	2,2	25 / 365	30 / 435	75 / 1090	1.200
38*	300	2,3	16 / 230	20 / 290	50 / 725	1.700
45*	340	2,3	16 / 230	20 / 290	50 / 725	3.000
52*	400	2,5	16 / 230	20 / 290	50 / 725	3.900
65*	540	2,5	16 / 230	20 / 290	50 / 725	4.300
76*	650	2,9	16 / 230	20 / 290	50 / 725	6.500
102	1.000	3,3	16 / 230	20 / 290	50 / 725	9.500
127*	1.400	3,5	14 / 205	17 / 245	42 / 610	17.000
152*	1.800	3,7	14 / 205	17 / 245	42 / 610	17.900
203*	2.600	3,9	10 / 145	12 / 175	30 / 435	26.900





 **GH HILCOFLEX PU**

# HP

## MULTI-PURPOSE POLYURETHANE HOSE

### APPLICATIONS

- Construction, industry, waste disposal
- Agriculture and mining
- Transport of abrasive materials
- Irrigation and liquid manure distribution
- For heavy duty

### FEATURES

- Outstanding abrasion resistance
- Extremely tough, resistant to wear and durable
- Resistant to oil, petrol and chemicals (see resistance table)
- Resistant to ageing and ozone
- Lightweight and flexible compared to mandrel-wound industrial hoses
- Very good flexibility at low temperatures

### CONSTRUCTION

Jacket lining:

- High-tenacity polyester yarn, circular woven
- Specially designed for high continuous working pressures, high tensile strength and low elongation under pressure
- Totally embedded in the polyurethane, offering optimum protection against mechanical damage

Rubberised lining and jacket:

- Thermoplastic polyether polyurethane, extruded through the weave in a special one-step production process
- Highly resistant to abrasion, 4–5 times longer service life than nitrile hoses
- Inside: very smooth for minimum pressure loss
- Outside: very smooth for good flexibility

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly. For compressed air, the maximum working pressure is 25% of the burst pressure.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

### BREAKING STRENGTH

The maximum tensile load in continuous use should not exceed 1/3 of the breaking strength.

### STANDARD LENGTH

100/200 m, cut to length for a surcharge

### STANDARD COLOR

Black

Green

### TEMPERATURE

-50°C to +75°C (water)

### INDIVIDUAL SOLUTIONS

- Colour according to customer specification
- Professional assembly of all coupling systems suited to layflat hoses

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
52	430	2,4	16 / 230	20 / 290	50 / 725	5.000
65*	630	2,6	16 / 230	20 / 290	50 / 725	6.300
76	700	2,8	16 / 230	20 / 290	50 / 725	8.800
90	950	2,9	14 / 205	17 / 245	42 / 610	10.900
102	1.150	3,3	14 / 205	17 / 245	42 / 610	13.800
114*	1.300	3,3	14 / 205	17 / 245	42 / 610	13.800
127	1.500	3,4	14 / 205	17 / 245	42 / 610	17.000
152	1.900	3,7	14 / 205	17 / 245	42 / 610	17.900
180	2.500	4,3	14 / 205	17 / 245	42 / 610	31.000
205	3.300	4,7	14 / 205	17 / 245	42 / 610	38.000
254	4.200	5,1	14 / 205	17 / 245	42 / 610	45.000
305	5.400	5,3	10 / 145	12 / 175	30 / 435	55.000
356*	5.600	4,3	4 / 60	5 / 75	12 / 175	42.000







 **GH HILCOFLEX PU DRAG**

# HPD

## TPU HOSES FOR LIQUID MANURE DISTRIBUTION SYSTEMS

### APPLICATIONS

- Transport hose between lagoon and field
- Drag hose to tow behind tractors
- Please note that some HILCOFLEX PU hose sizes can be used for both applications

### FEATURES

- Outstanding abrasion resistance
- Extremely tough, resistant to wear and durable
- Extremely high tensile strength
- Resistant to oil, petrol and chemicals (see resistance table)
- Resistant to ageing and ozone
- Lightweight and easy to use compared to rubber material transport hoses
- Very good flexibility at low temperatures

### CONSTRUCTION

Jacket lining:

- High-tenacity polyester yarn, circular woven
- Specially designed for high tensile strength, tight bending radii and low elongation under pressure
- Totally embedded in the polyurethane, offering optimum protection against mechanical damage

Lining and jacket:

- Thermoplastic polyether polyurethane, extruded through the weave in a special one-step production process
- Highly resistant to abrasion, 5–6 times longer service life than nitrile hoses
- Inside: very smooth for minimum pressure loss
- Outside: very smooth for good flexibility, thick-walled for unbeatable resistance to wear

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly. For compressed air, the maximum working pressure is 25% of the burst pressure.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

### BREAKING STRENGTH

The maximum tensile load in continuous use should not exceed 1/3 of the breaking strength.

**STANDARD LENGTH**

100/200 m, cut to length for a surcharge

**STANDARD COLOR**

Orange

Green

Blue (only HILCOFLEX PU DRAG EXTRA)

**TEMPERATURE**

-50°C to +75°C (water)

**INDIVIDUAL SOLUTIONS**

- Colour according to customer specification
- Professional assembly of all coupling systems suited to layflat hoses

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
<b>HILCOFLEX PU DRAG, Farbe Grün &amp; Orange</b>						
76*	950	3,5	16 / 230	20 / 290	50 / 725	8.800
90	1.100	3,5	15 / 220	18 / 260	45 / 655	10.900
102	1.350	3,8	14 / 205	17 / 245	42 / 610	13.800
114	1.450	3,8	14 / 205	17 / 245	42 / 610	13.800
127	1.850	3,8	14 / 205	17 / 245	42 / 610	20.500
140	1.950	3,9	14 / 205	17 / 245	42 / 610	22.500
152	2.100	4	14 / 205	17 / 245	42 / 610	27.200
180	2.800	4,5	10 / 145	12 / 175	30 / 435	35.000
<b>HILCOFLEX PU DRAG EXTRA, Farbe Blau</b>						
102	1.650	4,5	14 / 205	17 / 245	42 / 610	13.800
114	1.900	4,5	14 / 205	17 / 245	42 / 610	13.800
127	2.300	4,5	14 / 205	17 / 245	42 / 610	20.500





 **GH HILCOFLEX PU KULI**

# HPK

## DURABLE, ELECTRO-CONDUCTIVE MULTI-PURPOSE POLYURETHANE HOSE

### APPLICATIONS

- Refineries
- Industry
- Waste disposal
- Military
- Industrial and mine fire services
- Transporting oil, fuel and other flammable liquids
- Ship fuelling
- Tank cleaning
- Firefighting in mines and other potentially explosive areas
- Powder extinguisher hose

### FEATURES

- Outstanding abrasion resistance
- Extremely tough, resistant to wear and durable
- Resistant to oil, petrol and chemicals (see resistance table)
- Resistant to ageing and ozone
- Lightweight and flexible compared to mandrel-wound industrial hoses
- Very good flexibility at low temperatures

### CONSTRUCTION

#### Jacket lining:

- High-tenacity polyester yarn, circular woven
- Totally embedded in the rubber, offering optimum protection against damage
- Interwoven copper strands for electro-conductivity

#### Lining and jacket:

- Thermoplastic polyether polyurethane, extruded through the weave in a special one-step production process
- Electrical resistance less than  $10^6$  ohms
- Highly resistant to abrasion, 4–5 times longer service life than nitrile hoses
- Inside: very smooth for minimum pressure loss
- Outside: very smooth for good flexibility

### PRESSURES

#### Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly. For compressed air, the maximum working pressure is 25% of the burst pressure.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

### BREAKING STRENGTH

The maximum tensile load in continuous use should not exceed 1/3 of the breaking strength.

### STANDARD LENGTH

100 m

### STANDARD COLOR

Army green

### TEMPERATURE

-50°C to +75°C (depending on medium)

### INDIVIDUAL SOLUTIONS

Single lengths up to 200 m

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
52*	430	2,4	16 / 230	20 / 290	50 / 725	5.000
76*	700	2,8	16 / 230	20 / 290	50 / 725	6.900
102	1.150	3,3	16 / 230	20 / 290	50 / 725	13.800
152	1.900	3,7	14 / 205	17 / 245	42 / 610	17.900
205*	3.300	4,7	14 / 205	17 / 245	42 / 610	38.000





 **GH HILCOFLEX SPEZIAL**

# HS

## HIGH-PRESSURE HOSE WITH RUBBERISED LINING AND JACKET

### APPLICATIONS

- Construction, especially demolition firms
- Industry and mining
- Liquids and compressed air, high pressure
- For especially heavy duty

### FEATURES

- Very resistant to abrasion, tough and durable
- Resistant to oil, petrol and chemicals (see resistance table)
- Resistant to heat, ageing and ozone
- Very low pressure loss and low elongation
- Very lightweight, flexible and pressure-resistant compared to mandrel-wound industrial hoses
- No cleaning or drying required

### CONSTRUCTION

Jacket lining:

- Warp: high-tenacity polyester

Weft: polyamide; circular woven

- The special jacket construction ensures outstanding adhesion and much lower pressure loss compared to a 100% polyester jacket lining
- Totally embedded in the reinforced rubber, offering optimum protection against mechanical damage

Rubberised lining and jacket:

- Very high-grade NBR/PVC compound, extruded through the weave in a special one-step production process
- Special additives in the compound guarantee outstanding resistance to ageing and ozone
- Inside: very smooth for minimum pressure loss
- Outside: ribbed for excellent abrasion resistance, protection against contact heat

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly. For compressed air, the maximum working pressure is 25% of the burst pressure.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

### BREAKING STRENGTH

The maximum tensile load in continuous use should not exceed 1/3 of the breaking strength.

**STANDARD LENGTH**

100 m, cut to length for a surcharge

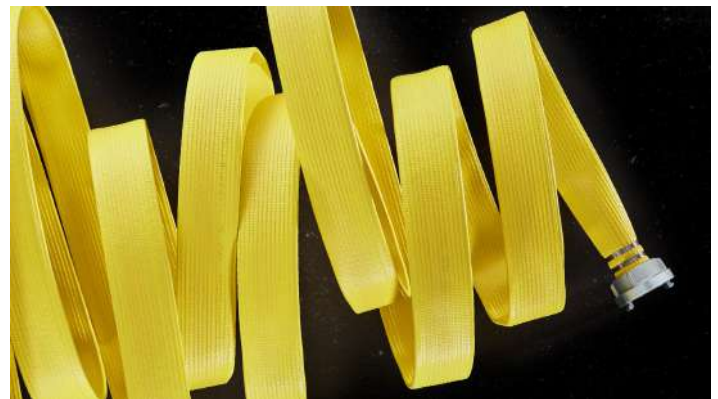
**STANDARD COLOR**

Yellow

**TEMPERATURE**

-20°C to +80°C (water), +75°C (air)

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
<b>HILCOFLEX SPEZIAL</b>						
45	460	3,3	20 / 290	24 / 350	60 / 870	4.000
52	550	3,4	20 / 290	24 / 350	60 / 870	4.800
65	750	3,7	20 / 290	24 / 350	60 / 870	6.900
75	980	4,0	20 / 290	24 / 350	60 / 870	9.500
<b>HILCOFLEX SPEZIAL 90</b>						
20	190	2,5	30 / 435	36 / 520	90 / 1305	1.200
26	230	2,5	30 / 435	36 / 520	90 / 1305	1.400
32	290	2,7	30 / 435	36 / 520	90 / 1305	2.000
38	400	3,2	30 / 435	36 / 520	90 / 1305	2.700
52	600	3,5	30 / 435	36 / 520	90 / 1305	5.300
<b>HILCOFLEX SPEZIAL 120</b>						
20	200	2,6	40 / 580	48 / 695	120 / 1740	1.250
26	240	2,6	40 / 580	48 / 695	120 / 1740	1.500
<b>HILCOFLEX SPEZIAL 150 Orange, glatte Außendecke</b>						
52	950	4,5	50 / 725	60 / 870	150 / 2175	7.500





 **GH ÖL GARANT**

**OG**

## ELECTRO-CONDUCTIVE FIRE AND INDUSTRIAL HOSE

### APPLICATIONS

- Industrial and airport fire services
- Refineries
- Military
- Oil spill hose
- Firefighting in mines and other potentially explosive areas
- Powder extinguisher hose

### FEATURES

- Electro-conductive
- Resistant to oil and petrol
- Lightweight and flexible
- Resistant to heat and ageing
- Tough and durable
- Easy to clean, dirt-repellent

### CONSTRUCTION

Jacket:

- High-tenacity polyester yarn, circular woven in twill weave
- 3 interwoven copper strands

Lining:

- High-grade synthetic rubber
- Antistatic, electrical resistance less than  $10^2 \text{ ?/cm}$
- Very smooth for minimum pressure loss

Outer coating:

- Highly abrasion-resistant synthetic coating for better resistance against heat, oil and chemicals
- Extra mechanical protection against jacket damage

### STANDARD LENGTH

Up to 60 m

### STANDARD COLOR

Black

### TEMPERATURE

-20°C to +60°C

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Bursting pressure in bar / PSI
25	135	1,9	16 / 230	50 / 725
38	235	2,1	16 / 230	50 / 725
42	270	2,1	16 / 230	50 / 725
45	290	2,1	16 / 230	50 / 725
52	325	2,1	16 / 230	50 / 725
65	430	2,2	16 / 230	50 / 725
70	470	2,2	16 / 230	50 / 725
75	500	2,2	16 / 230	50 / 725
102	675	2,3	12 / 175	36 / 520
110	830	2,3	12 / 175	36 / 520







 **GH P-FLEX H**

# PFH

## HEAVYWEIGHT PVC LAYFLAT HOSE

### APPLICATIONS

- Construction and industry
- Agriculture
- Watering and drainage
- For heavy duty

### FEATURES

- Lightweight and flexible
- Small coil diameter
- Resistant to ageing and ozone
- Low elongation
- Much better layer adhesion than conventional PVC layflat hoses

### CONSTRUCTION

Jacket:

- High-tenacity polyester yarn, specially designed for low elongation
- Totally embedded in the PVC, offering optimum protection against mechanical damage

Lining and cover:

- Very high-grade, soft PVC, extruded through the weave in a special one-step production process
- Much more adhesive than conventional PVC layflat hoses due to the special production process, no blistering
- Inside: very smooth for minimum pressure loss
- Outside: very smooth for good flexibility

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C).

The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

### STANDARD LENGTH

100 m

### STANDARD COLOR

Brown

### TEMPERATURE

-10°C to +60°C (specifications apply to water)

## INDIVIDUAL SOLUTIONS

Assembling the fittings:

- The hose tail of the coupling should be machined and free of sharp edges to avoid the inner tube being cut
- If the hose is bound with clamps, another piece of hose should be placed between the clamp and the hose as a means of hose protection
- The bandwidth of the clamp should be dimensioned in such a way that the hose is not squeezed between the ribs of the hose tail

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Bursting pressure in bar / PSI
102	1000	2,5	9 / 130	27 / 390
152	1700	2,9	7 / 100	21 / 305
203	2200	2,9	5 / 75	15 / 220
254	2900	3,0	4 / 60	12 / 175



 **GH P-FLEX L**

# PFL

## LIGHTWEIGHT PVC LAYFLAT HOSE

### APPLICATIONS

- Construction and industry
- Agriculture
- Feeder hose for drip watering
- Watering and drainage
- Protection hose for cables and hydraulic hoses
- For medium-heavy duty

### FEATURES

- Lightweight and flexible
- Small coil diameter
- Resistant to ageing and ozone
- Low elongation
- Much better layer adhesion than conventional PVC layflat hoses

### CONSTRUCTION

Jacket:

- High-tenacity polyester yarn, specially designed for low elongation
- Totally embedded in the PVC, offering optimum protection against mechanical damage

Lining and cover:

- Very high-grade, soft PVC, extruded through the weave in a special one-step production process
- Much more adhesive than conventional PVC layflat hoses due to the special production process, no blistering
- Inside: very smooth for minimum pressure loss
- Outside: very smooth for good flexibility

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C).

The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

### STANDARD LENGTH

100 m

### STANDARD COLOR

Light Blue

### TEMPERATURE

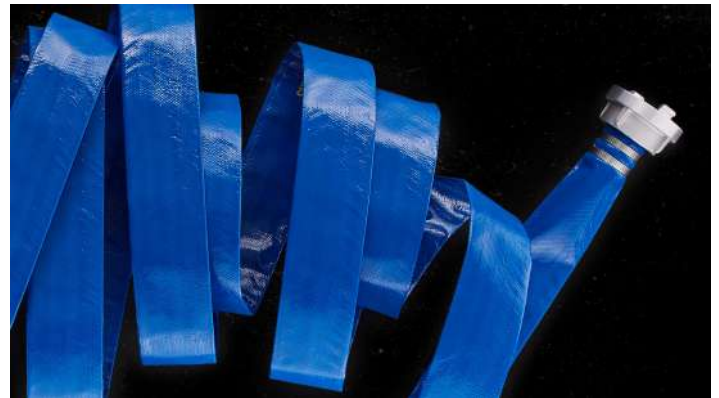
-10°C to +60°C (specifications apply to water)

## INDIVIDUAL SOLUTIONS

Assembling the fittings:

- The hose tail of the coupling should be machined and free of sharp edges to avoid the inner tube being cut
- If the hose is bound with clamps, another piece of hose should be placed between the clamp and the hose as a means of hose protection
- The bandwidth of the clamp should be dimensioned in such a way that the hose is not squeezed between the ribs of the hose tail

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Bursting pressure in bar / PSI
38	205	1,5	5 / 75	15 / 220
52	270	1,3	5 / 75	15 / 220
65	380	1,5	4 / 60	12 / 175
76	530	1,7	4 / 60	12 / 175
102	710	1,8	4 / 60	12 / 175
127	950	1,9	3 / 45	9 / 130
152	1.180	2	3 / 45	9 / 130
203	1.790	2,2	3 / 45	9 / 130
254	2.650	2,7	2 / 30	6 / 85
305	2.910	2,7	2 / 30	6 / 85
356	3.650	2,7	2 / 30	6 / 85
407	4.300	2,7	2 / 30	6 / 85





 **GH P-FLEX M**

# PFM

## MEDIUM-WEIGHT PVC LAYFLAT HOSE

### APPLICATIONS

- Construction and industry
- Agriculture
- Feeder hose for drip watering
- Watering and drainage
- Protection hose for cables and hydraulic hoses
- For medium-heavy duty

### FEATURES

- Lightweight and flexible
- Small coil diameter
- Resistant to ageing and ozone
- Low elongation
- Much better layer adhesion than conventional PVC layflat hoses

### CONSTRUCTION

Jacket:

- High-tenacity polyester yarn, specially designed for low elongation
- Totally embedded in the PVC, offering optimum protection against mechanical damage

Lining and cover:

- Very high-grade, soft PVC, extruded through the weave in a special one-step production process
- Much more adhesive than conventional PVC layflat hoses due to the special production process, no blistering
- Inside: very smooth for minimum pressure loss
- Outside: very smooth for good flexibility

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C).

The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

### STANDARD LENGTH

100 m

### STANDARD COLOR

Blue

### TEMPERATURE

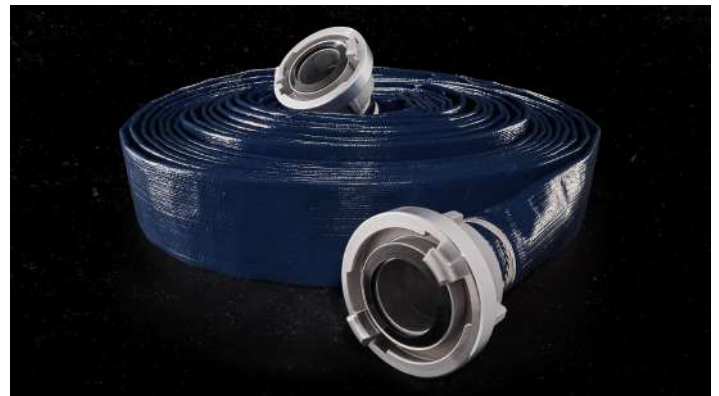
-10°C to +60°C (specifications apply to water)

## INDIVIDUAL SOLUTIONS

Assembling the fittings:

- The hose tail of the coupling should be machined and free of sharp edges to avoid the inner tube being cut
- If the hose is bound with clamps, another piece of hose should be placed between the clamp and the hose as a means of hose protection
- The bandwidth of the clamp should be dimensioned in such a way that the hose is not squeezed between the ribs of the hose tail

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Bursting pressure in bar / PSI
25	165	1,5	7 / 100	21 / 305
32	200	1,5	7 / 100	21 / 305
38	230	1,5	7 / 100	21 / 305
52	340	1,6	7 / 100	21 / 305
65	430	1,7	7 / 100	21 / 305
76	570	1,9	6 / 85	18 / 260
102	880	2,3	6 / 85	18 / 260
127	1.100	2,3	6 / 85	18 / 260
152	1.500	2,6	6 / 85	18 / 260
203	2.100	2,7	4 / 60	12 / 175





 **GH PROGRESS**

**P**

**FIRE HOSE WITH RUBBERISED LINING AND JACKET**

**APPLICATIONS**

- Refineries
- Chemical industry
- Military
- Airport fire services
- Industrial and municipal fire brigades
- Fire hose for tough conditions
- Refineries
- Chemical industry
- Military
- Airport fire services
- Industrial and municipal fire brigades
- Fire hose for tough conditions

**FEATURES**

- Very lightweight and highly flexible (also at extremely low temperatures)
- Small coil diameter
- Excellent resistance to ageing and ozone
- Lining extremely resistant to seawater and a wide range of chemicals (see resistance table)
- Mildew and rotproof
- Easy to repair

**CONSTRUCTION**

Jacket lining:

- Warp: high-tenacity polyester

Weft: polyamide; circular woven

- The special jacket construction ensures outstanding adhesion and much lower pressure loss compared to a 100% polyester jacket lining
- Totally embedded in the rubber, offering optimum protection against mechanical damage

Rubberised lining and jacket:

- Very high-grade NBR/PVC rubber compound, extruded through the weave in a special one-step production process
- Special additives in the compound guarantee outstanding resistance to ageing and ozone

**PRESSURES**

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

DIN 14811 with STORZ couplings:  
Ø 25–75 mm: max. working pressure 16 bar

BS 6391:2009 with British Instantaneous couplings:  
Ø 38–76 mm: max. working pressure 15 bar  
Ø 89: max. working pressure 12 bar

Maximum working pressure:  
Approval can only be given by the manufacturer upon clarification of the exact area of application.

Test pressure:  
Maintained for 1 min.:  
In accordance with DIN 14811:  
Ø 25–75: 24 bar

In accordance with BS 6391:2009:

Ø 38–89: 22.5 bar

### STANDARD LENGTH

15, 18, 20, 23, 30 m

### STANDARD COLOR

Red

### TEMPERATURE

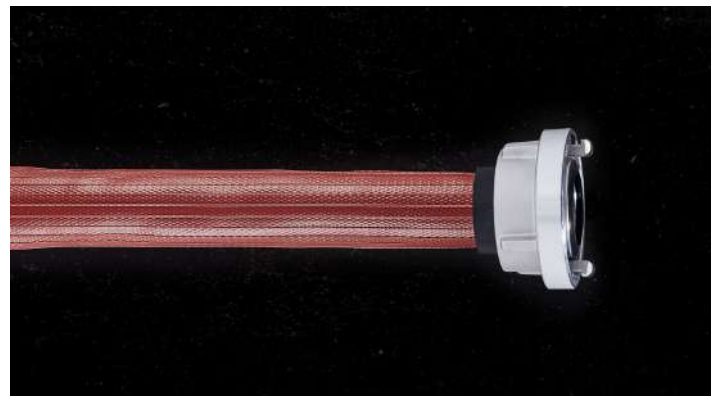
Continuous use –20°C to +80°C (water) Temporary up to +100°C (water)

### INDIVIDUAL SOLUTIONS

Special design options:

- Single lengths up to 200 m
- Colour according to customer specification
- PROGRESS POLAR flexible version down to temperatures of –30°C
- Other inner diameters

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI
<b>Progress</b>					
25	210	2,3	25 / 365	30 / 435	75 / 1090
38	300	2,3	16 / 230	20 / 290	50 / 725
40	310	2,3	16 / 230	20 / 290	50 / 725
42	320	2,3	16 / 230	20 / 290	50 / 725
45	340	2,3	16 / 230	20 / 290	50 / 725
52	400	2,5	16 / 230	20 / 290	50 / 725
55	420	2,5	16 / 230	20 / 290	50 / 725
64	540	2,6	16 / 230	20 / 290	50 / 725
70	600	2,8	16 / 230	20 / 290	50 / 725
75	650	2,9	16 / 230	20 / 290	50 / 725
89	850	3	16 / 230	20 / 290	50 / 725
<b>Progress 60</b>					
38	330	2,5	20 / 290	25 / 365	60 / 870
52	430	2,7	20 / 290	25 / 365	60 / 870
64	560	2,8	20 / 290	25 / 365	60 / 870
75	680	3,1	20 / 290	25 / 365	60 / 870







 **GH PROGRESS PLUS**

# PP

## 100% NYLON FIRE HOSE WITH RUBBERISED LINING AND JACKET

### APPLICATIONS

- Refineries
- Chemical industry
- Military
- Airport fire services
- Industrial and municipal fire brigades
- Fire hose for tough conditions

### FEATURES

- Excellent adhesion between the rubber and jacket
- Very small bending radius and unbeatably low pressure loss
- Resistance to oil, petrol and chemicals (see resistance table)
- Very resistant to abrasion, tough and durable
- Resistant to heat, ageing and ozone
- No cleaning or drying required

### CONSTRUCTION

Jacket lining:

- Warp and weft: polyamide; circular woven
- The special jacket construction ensures outstanding adhesion and much lower pressure loss compared to a 100% polyester jacket lining
- Totally embedded in the rubber, offering optimum protection against mechanical damage

Rubberised lining and jacket:

- Very high-grade NBR/PVC rubber compound, extruded through the weave in a special one-step production process
- Special additives in the compound guarantee outstanding resistance to ageing and ozone
- Inside: very smooth for minimum pressure loss
- Outside: ribbed for excellent abrasion resistance, protection against contact heat

### PRESSURES

Pressure specifications apply only to the hose and not to pre-assembled hose lines with couplings!

### STANDARD LENGTH

Up to 100 m

### STANDARD COLOR

Red

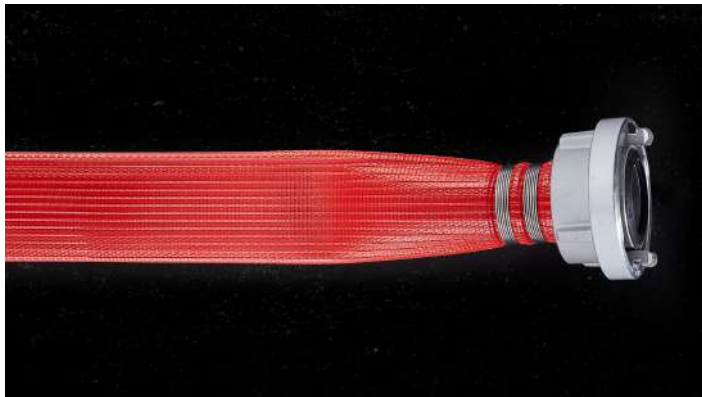
### TEMPERATURE

Continuous use  $-20^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  (water), Temporary up to  $+100^{\circ}\text{C}$  (water)

**INDIVIDUAL SOLUTIONS**

- Coating of cover pinholes PROGRESS PLUSLATEX (avoids penetration of harmful liquids)
- Single lengths up to 200 m
- Colour according to customer specification
- PROGRESS PLUS POLAR flexible version down to temperatures of -30°C
- Other inner diameters

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Proof pressure in bar / PSI	Bursting pressure in bar / PSI
38	290	2,1	16 / 230	32 / 465	50 / 725
45	320	2,2	16 / 230	32 / 465	50 / 725
52	360	2,2	16 / 230	32 / 465	50 / 725
64	490	2,2	16 / 230	32 / 465	50 / 725
70	550	2,3	16 / 230	32 / 465	50 / 725
75	650	2,3	16 / 230	32 / 465	50 / 725





 **GH PROGRESS SPEZIAL**

# PS

## DURABLE FIRE HOSE WITH RUBBERISED LINING AND JACKET

### APPLICATIONS

- Refineries
- Chemical industry
- Military
- Airport fire services
- Industrial and municipal fire brigades
- Fire hose for the toughest conditions

### FEATURES

- Outstanding abrasion resistance, extremely tough and durable
- Resistant to oil, petrol and chemicals (see resistance table)
- Extremely resistant to heat and flames
- Very low pressure loss, minimum elongation
- Resistant to ageing and ozone
- Excellent adhesion between the rubber and jacket
- No cleaning or drying required

### CONSTRUCTION

Jacket lining:

- Warp: high-tenacity polyester

Weft: polyamide; circular woven, reinforced design

- The special jacket construction ensures outstanding adhesion and much lower pressure loss compared to a 100% polyester jacket lining
- Totally embedded in the rubber, offering optimum protection against mechanical damage

Rubberised lining and jacket:

- Very high-grade NBR/PVC rubber compound, extruded through the weave in a special one-step production process
- Special additives in the compound guarantee outstanding resistance to ageing and ozone
- Inside: very smooth for minimum pressure loss
- Outside: wide, thick ribs for maximum abrasion resistance and excellent protection against contact heat

### PRESSURES

Pressure specifications apply only to the hose and not to pre-assembled hose lines with couplings!

### STANDARD LENGTH

Up to 100 m

### STANDARD COLOR

Red

### TEMPERATURE

Continuous use -20°C to +80°C (water), Temporary up to +100°C (water)

### INDIVIDUAL SOLUTIONS

- Single lengths up to 200 m
- Colour according to customer specification
- PROGRESS SPEZIAL POLAR flexible version down to temperatures of -30°C
- Other inner diameters

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
<b>PROGRESS SPEZIAL</b>						
45	460	3,3	20 / 290	24 / 350	60 / 870	4.000
52	550	3,4	20 / 290	24 / 350	60 / 870	4.800
65	750	3,7	20 / 290	24 / 350	60 / 870	6.900
75	980	4,0	20 / 290	24 / 350	60 / 870	9.500
<b>PROGRESS SPEZIAL 90</b>						
20	190	2,5	30 / 435	36 / 520	90 / 1305	1.200
26	230	2,5	30 / 435	36 / 520	90 / 1305	1.400
32	290	2,7	30 / 435	36 / 520	90 / 1305	2.000
38	400	3,2	30 / 435	36 / 520	90 / 1305	2.700
52	600	3,5	30 / 435	36 / 520	90 / 1305	5.300





 **GH PROGRESS SUPPLY**

## SPECIAL WATER SUPPLY HOSE WITH RUBBERISED LINING AND JACKET FOR MAJOR FIRES

### APPLICATIONS

- Refineries and chemical industry
- Military, civil defence, industrial and municipal fire brigades
- Water supply for major fires or large-scale emergencies
- Supply hose for large quantities of water over long distances
- Flood disaster prevention

### FEATURES

- Very high continuous working pressure, high pressure reserves
- Low pressure loss, minimum elongation
- Very resistant to abrasion, tough and durable
- Resistant to oil, petrol and chemicals (see resistance table)
- Resistant to heat, ageing and ozone
- No cleaning or drying required

### CONSTRUCTION

Jacket lining:

- Warp: high-tenacity polyester

Weft: polyamide; circular woven

- The special jacket construction ensures high continuous working pressure, outstanding adhesion and much lower pressure loss compared to a 100% polyester jacket lining
- Very little elongation under pressure thanks to special weaving and vulcanisation process

- Totally embedded in the rubber, offering optimum protection against mechanical damage

Rubberised lining and jacket:

- Very high-grade NBR/PVC rubber compound, extruded through the weave in a special one-step production process
- Special additives in the compound guarantee outstanding resistance to ageing and ozone
- Inside: very smooth for minimum pressure loss
- Outside: ribbed for excellent abrasion resistance, protection against contact heat

### PRESSURES

Pressure specifications apply only to the hose and not to pre-assembled hose lines with couplings!

### STANDARD LENGTH

15, 20 and 30 m, other lengths available on request

### STANDARD COLOR

Red  
Yellow

## TEMPERATURE

Continuous use -20°C to +80°C (water), Temporary up to +100°C (water)

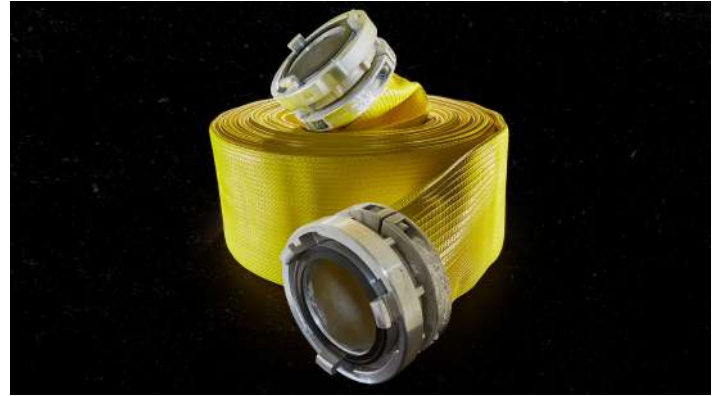
- Colour according to customer specification
- PROGRESS SUPPLY flexible version down to temperatures of -30°C
- Other inner diameters

## INDIVIDUAL SOLUTIONS

- Single lengths up to 200 m

Please note that special designs are available for an additional charge from approx. 1,000 m per cut. Production short lengths and over/underproduction up to 10% of the total order quantity must be accepted.

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
102	1.000	3,3	16 / 230	20 / 290	50 / 725	9.500
110	1.200	3,3	15 / 220	18 / 260	45 / 655	10.500
127	1.400	3,5	14 / 205	17 / 245	42 / 610	17.000
152	1.800	3,7	14 / 205	17 / 245	42 / 610	17.900
203	2.600	3,7	10 / 145	12 / 175	30 / 435	26.900





 **GH PROTECTOFLEX**

# PF

## DURABLE PROTECTIVE HOSE WITH EXTRUDED POLYURETHANE COVER

### APPLICATIONS

- Protective hose for wire ropes, standard ropes and ship's ropes
- Protective hose for hydraulic hoses
- Protective hose for slings, lifting straps and chains
- Cable protection hose
- Bundle hose for hoses and cables

### FEATURES

- Outstanding abrasion resistance
- Extremely tough, resistant to wear and durable
- Resistant to oil, petrol and chemicals
- Silicone free
- Resistant to ageing and ozone
- Easy to assemble thanks to low frictional resistance of inner structure
- Very good flexibility at low temperatures

### CONSTRUCTION

Jacket lining:

- High-tenacity polyester yarn, circular woven
- Specially designed for high tensile strength
- Low frictional resistance when covering

Outer coating:

- Thermoplastic polyether polyurethane, almost inextricably bound with the weave through a special extrusion process
- Wall thickness of cover approx. 1.0 mm for much better resistance to wear than protective hoses with dipped PU coatings or made of rubber
- Completely sealed inside and out against fluids (important e.g. for burst or leaking hydraulic hose lines)

### STANDARD LENGTH

100 m

### STANDARD COLOR

Black

### TEMPERATURE

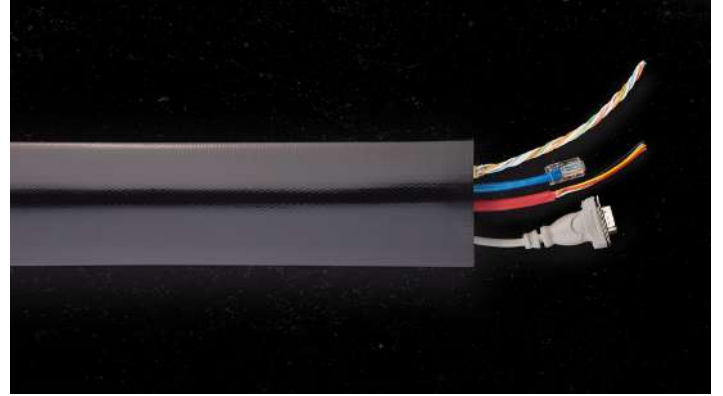
-50°C to +90°C (briefly up to +100°C)

### INDIVIDUAL SOLUTIONS

- Single lengths longer than 100 m
- Continuous customer marking

Please note that special designs are available for an additional charge from approx. 2,000 m per cut. Production short lengths and over/underproduction up to 10% of the total order quantity must be accepted.

Bore size in mm	Weight in g/m	Wall strength in mm
52	300	1,6
65	320	1,6
76	370	1,6
90	430	1,6
102	500	1,7
114	600	1,7
127	700	1,7
152	900	1,7







 **GH PROTECTOFLEX EPDM**

# PE

## DURABLE PROTECTIVE HOSE WITH HIGH-GRADE EPDM RUBBER COVER

### APPLICATIONS

- Protective hose for wire ropes, standard ropes and ship's ropes
- Protective hose for hydraulic hoses
- Protective hose for slings, lifting straps and chains
- Cable protection hose
- Bundle hose for hoses and cables

### FEATURES

- High abrasion resistance
- Extremely tough, resistant to wear and durable
- Resistant to oil, petrol and chemicals
- Resistant to ageing and ozone
- Easy to assemble thanks to low frictional resistance of inner structure
- Very good flexibility at low temperatures

### CONSTRUCTION

Jacket lining:

- High-tenacity polyester yarn, circular woven
- Specially designed for high tensile strength
- Low frictional resistance when covering

Outer coating:

- High-grade EPDM rubber

### STANDARD LENGTH

100 m

### STANDARD COLOR

Black

### TEMPERATURE

-50°C to +80°C

Bore size in mm	Weight in g/m	Wall strength in mm
38*	185	1,5
52	260	1,7
60	290	1,7





 **GH SILO**

**S**

**SPECIAL HOSE FOR LOOSENING BULK CARGO**

**APPLICATIONS**

- Industry
- Loosening bulk cargo or granulated materials in silos

**FEATURES**

- Permeable on one side
- Available in continuous lengths
- Totally mildew and rotproof

**CONSTRUCTION**

Jacket lining:

- High-tenacity polyester yarn, circular woven in plain weave
- Special setting for optimum air flow

Outer coating:

- Polyurethane on one side for air permeability on the uncoated side

**STANDARD LENGTH**

Up to 500 m

**STANDARD COLOR**

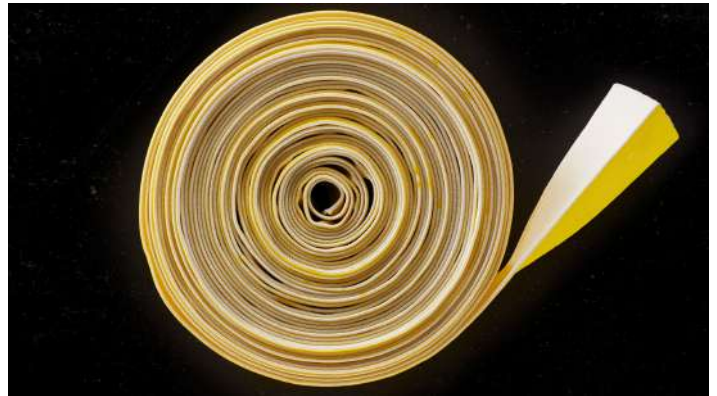
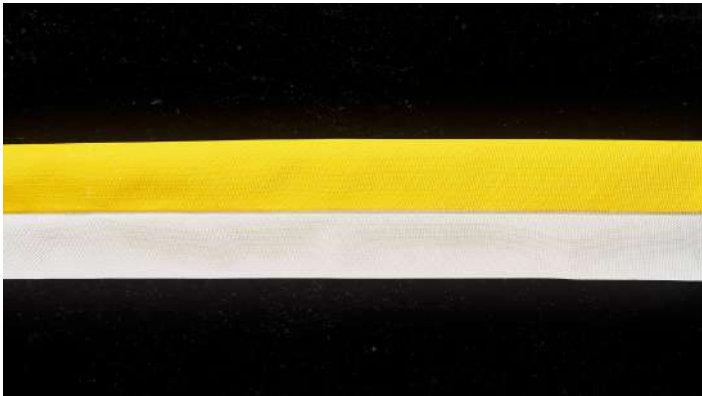
White-yellow

**INDIVIDUAL SOLUTIONS**

Special design options:

- Single lengths longer than 500 m
- Other dimensions

Bore size in mm	Weight in g/m
51	140
71	200





 **GH SNOWBLAST**

# SB

## COATED SNOW HOSE IN DOUBLE JACKET CONSTRUCTION

### APPLICATIONS

- Feeder hose for snow-making systems
- High-pressure, heavy duty industrial hose

### FEATURES

- Continuous high working pressure, sufficient reserves for pressure peaks
- Good visibility in snow, even in twilight
- Very resistant to abrasion, tough and durable
- Outstanding resistance to ageing, UV and ozone
- Very good flexibility at low temperatures
- Mildew and rotproof

### CONSTRUCTION

Jacket lining:

- High-tenacity polyester yarn, circular woven in special weave
- Reinforced double jacket construction, high-pressure design yet lightweight and flexible

Lining:

- High-grade EPDM rubber, specially designed to be flexible at low temperatures
- Co-extruded adhesive layer, penetrates during steam vulcanisation almost completely into the weaving structure
- Excellent adhesion between the rubber and jacket, very smooth for minimum pressure loss

- Reinforced design: eliminates coupling binding leaks

Outer coating:

- Abrasion-resistant special coating in signal colour
- Protection against mechanical damage on the jacket, dirt- and water-repellent
- Maintains good grip in the snow

### PRESSURES

In accordance with EN ISO 7751 specifications for water.

Please note that for compressed air a minimum ratio of 1: 4 must be maintained between the working pressure and the burst pressure.

Pressure specifications apply only to hose lines with couplings extruded by us – otherwise only to the hose.

### STANDARD LENGTH

20, 30, 40, 60 m, cut to length for a surcharge

### STANDARD COLOR

Yellow

### TEMPERATURE

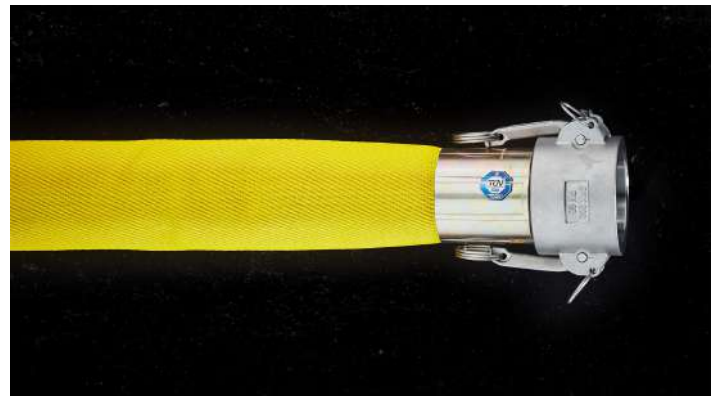
-40°C to +80°C (specifications apply to water)

## INDIVIDUAL SOLUTIONS

- Colour according to customer specification and continuous marking with customer logo

Please note that special designs are available for an additional charge from approx. 1,000 m per cut. Production short lengths and overproduction up to 10% of the total order quantity must be accepted.

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Bursting pressure in bar / PSI
38	500	4,0	60 / 870	150 / 2175
52	700	4,0	60 / 870	150 / 2175
65	960	4,8	60 / 870	150 / 2175





 **GH SNOWSTORM**

# ST

## PU-COATED SNOW HOSE IN DOUBLE JACKET CONSTRUCTION

### APPLICATIONS

- Feeder hose for snow-making systems
- High-pressure, heavy duty industrial hose

### FEATURES

- Continuous high working pressure, sufficient reserves for pressure peaks
- Good visibility in snow, even in twilight
- Very resistant to abrasion, tough and durable
- Outstanding resistance to ageing, UV and ozone
- Very good flexibility at low temperatures
- Mildew and rotproof

### CONSTRUCTION

Jacket lining:

- High-tenacity polyester yarn, circular woven in twill weave
- Reinforced double jacket construction, high-pressure design yet lightweight and flexible

Lining:

- High-grade EPDM rubber, specially designed to be flexible at low temperatures
- Co-extruded CR rubber adhesive layer, penetrates during steam vulcanisation almost completely into the weaving structure
- Excellent adhesion between the rubber and jacket, very smooth for minimum pressure loss

- Reinforced design: eliminates coupling binding leaks

Outer coating:

- Highly abrasion-resistant polyurethane in signal colour
- Protection against mechanical damage on the jacket, dirt- and water-repellent
- Maintains good grip in the snow

### PRESSURES

In accordance with EN ISO 7751 specifications for water.

Please note that for compressed air a minimum ratio of 1: 4 must be maintained between the working pressure and the burst pressure.

Pressure specifications apply only to hose lines with couplings extruded by us – otherwise only to the hose.

### STANDARD LENGTH

20, 30, 40, 60 m, cut to length for a surcharge

### STANDARD COLOR

Orange

### TEMPERATURE

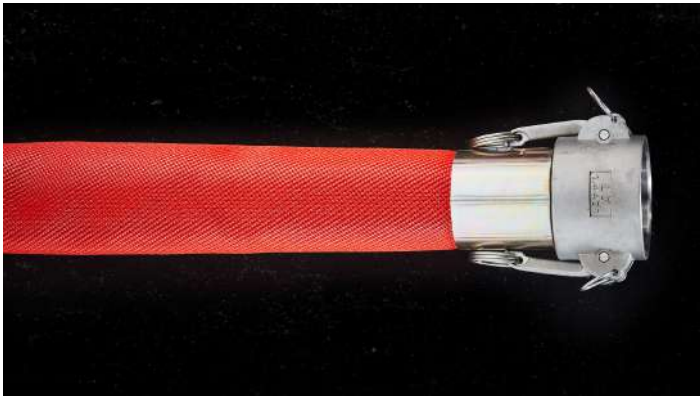
-40°C to +80°C (specifications apply to water)

## INDIVIDUAL SOLUTIONS

- Colour according to customer specification and continuous marking with customer logo

Please note that special designs are available for an additional charge from approx. 1,000 m per cut. Production short lengths and overproduction up to 10% of the total order quantity must be accepted.

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Proof pressure in bar / PSI	Bursting pressure in bar / PSI
38	500	4	60 / 870	90 / 1305	150 / 2175
52	700	4	60 / 870	90 / 1305	150 / 2175
65	950	4	60 / 870	90 / 1305	150 / 2175







 **GH TEXFLEX FIRE**

# TF

## SEMI-RIGID LIGHTWEIGHT HOSE ACCORDING TO DIN EN 694 FOR WALL HYDRANTS

### APPLICATIONS

in wall hydrants according to DIN EN 671-1

### FEATURES

- Exceptionally lightweight, anti-kinking and highly flexible (even at low temperatures)
- Excellent handling even for untrained persons
- Sliding properties on all surfaces are much better compared to rubber or PVC hoses
- Very thin wall – requires less space
- Excellent resistance to ageing and ozone

### CONSTRUCTION

Jacket:

- High-tenacity polyester yarn, circular woven
- Monofilament coil in weft keeps hose semi-rigid

Lining:

- High-grade EPDM rubber, flexible at low temperatures, suitable also for hot water, excellent resistance to seawater, chemicals, UV radiation and ozone
- Co-extruded CR rubber adhesive layer, penetrates during vulcanisation almost completely into the weaving structure

- This type of rubber guarantees a very smooth lining with low friction loss and excellent adhesion between the rubber and jacket

### PRESSURES

The ratio between the working, test and burst pressure is in line with EN 694 specifications.

Pressure specifications apply only to the hose and not to pre-assembled hose lines.

### STANDARD LENGTH

25, 30 m

### STANDARD COLOR

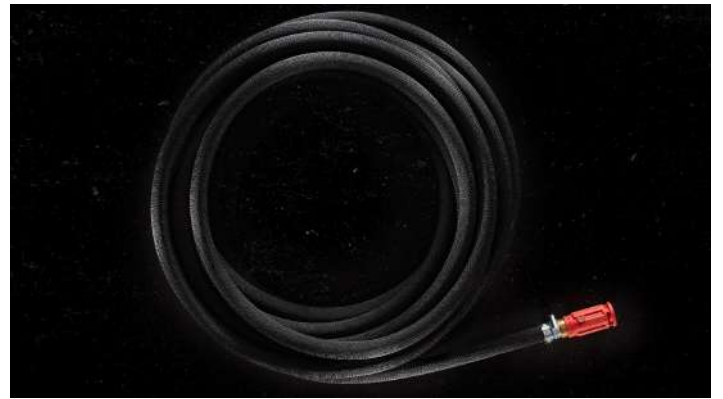
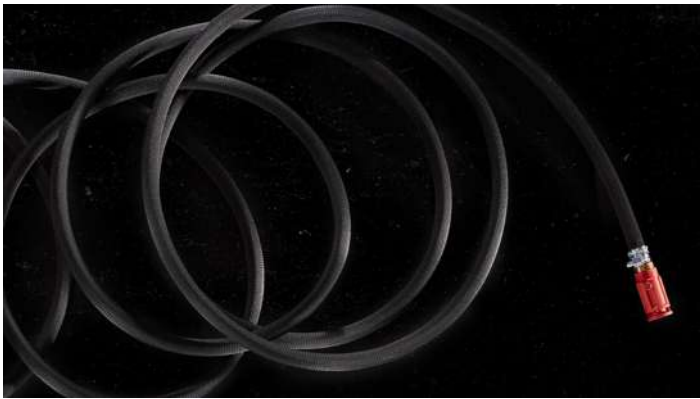
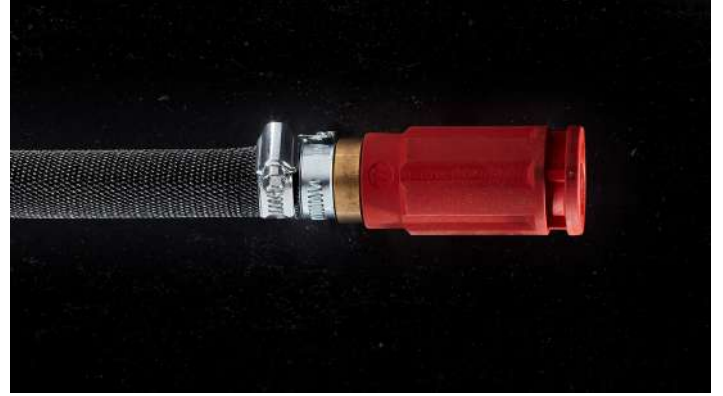
White

Black

### TEMPERATURE

–40°C to +100°C (specifications apply to water)

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Proof pressure in bar / PSI	Bursting pressure in bar / PSI	Bend radius in mm
19	250	1,8	12 / 175	24 / 350	42 / 610	20
25	150	1,8	12 / 175	24 / 350	42 / 610	20





 **GH TEXFLEX INDUSTRIAL**

**TI**

**SEMI-RIGID LIGHTWEIGHT HOSE FOR INDUSTRIAL APPLICATIONS**

**APPLICATIONS**

- Construction and industry
- Agriculture
- Reelable industrial water hose (also suitable for hot water)
- Reelable lightweight compressed air hose

**FEATURES**

- Exceptionally lightweight, anti-kinking and highly flexible (even at low temperatures)
- Very high continuous working pressure possible
- Very long single lengths available
- Very thin wall – requires less space, reelable
- Excellent resistance to ageing and ozone

**CONSTRUCTION**

Jacket:

- High-tenacity polyester yarn, dyed, circular woven
- Monofilament coils in weft keep hose semi-rigid
- Specially designed for high pressures and very tight bending radii

Note: The weaving structure is identical for both designs (WATER and AIR).

Lining:

TEXFLEX INDUSTRIAL WATER

- High-grade EPDM rubber, flexible at low temperatures, suitable also for hot water, excellent resistance to seawater, chemicals, UV radiation and ozone
- Co-extruded CR rubber adhesive layer, penetrates during vulcanisation almost completely into the weaving structure

TEXFLEX INDUSTRIAL AIR

- High-grade NBR rubber, excellent resistance to aromatics and chemicals
- Co-extruded NBR rubber adhesive layer, penetrates during vulcanisation almost completely into the weaving structure

Both types of rubber lining guarantee a smooth inner tube with low friction loss and excellent adhesion between the rubber and jacket.

**PRESSURES**

- Specifications apply to medium water, for compressed air the minimum working pressure to burst pressure ratio is 1:4, in certain cases, our product may also be approved for a working pressure of up to 50% of the burst pressure. Please enquire for details!
- Article code for TEXFLEX INDUSTRIAL AIR 18200-Pressure specifications apply only to the hose and not to pre-assembled hose lines with couplings!

### STANDARD LENGTH

60 m

### STANDARD COLOR

Black with blue stripes (WATER)

Black with white stripes (AIR)

### TEMPERATURE

-30°C to +100°C (WATER), -30°C to +80°C (AIR)

### INDIVIDUAL SOLUTIONS

- Other inner diameters

Please note that special designs are available for an additional charge from approx. 1,000 m per cut. Production short lengths and overproduction up to 10% of the total order quantity must be accepted.

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Bursting pressure in bar / PSI	Bend radius in mm
20	150	2	40 / 580	120 / 1740	12
26	230	2	33 / 480	100 / 1450	14
32	280	3,3	33 / 480	100 / 1450	17





 **GH TITAN 2F**

# T2F

## UNCOATED CONSTRUCTION AND INDUSTRIAL HOSE

### APPLICATIONS

- Fire brigade
- Industry
- Shipping
- Military
- Disaster relief
- Construction
- Agriculture

### FEATURES

- Very lightweight and highly flexible (also at extremely low temperatures)
- Small coil diameter
- Excellent resistance to ageing and ozone
- Lining extremely resistant to seawater and a wide range of chemicals (see resistance table)
- Mildew and rotproof
- Easy to repair

### CONSTRUCTION

Jacket:

- High-tenacity polyester yarn, circular woven in twill weave (much more resistant to abrasion than plain weave)
- 2F: 2-ply warp threads, lightweight, tough and flexible

Lining:

- High-grade EPDM rubber, flexible at low temperatures, suitable also for hot water, wall thickness 0.8 mm
- Excellent resistance to seawater, chemicals, UV radiation and ozone (much better than e.g. SBR)
- Co-extruded adhesive layer (0.2 mm wall thickness), penetrates during vulcanisation almost completely into the weaving structure
- This type of rubber guarantees a very smooth lining with low friction loss and excellent adhesion between the rubber and jacket

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

**STANDARD COLOR**

White

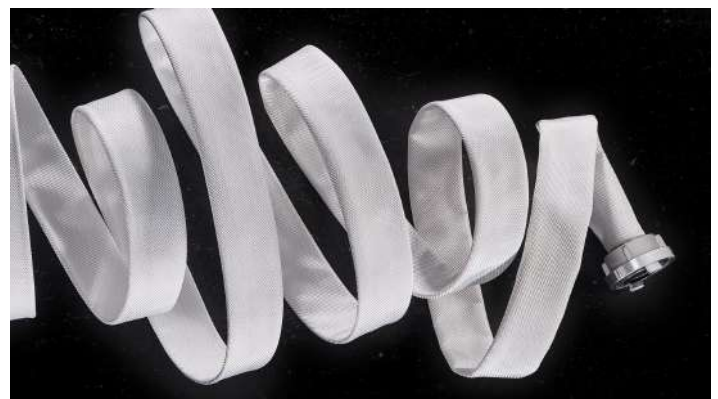
**TEMPERATURE**

-40°C to +80°C (specifications apply to water)

**STANDARD LENGTH**

Up to 100 m Other lengths available on request

Bore size in mm	Weight in g/m	Wall strength in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI
20	100	1,5	16 / 230	20 / 290	50 / 725
25	150	1,5	16 / 230	20 / 290	50 / 725
32	160	1,5	16 / 230	20 / 290	50 / 725
38	185	1,5	16 / 230	20 / 290	50 / 725
45	225	1,5	16 / 230	20 / 290	50 / 725
52	260	1,7	16 / 230	20 / 290	50 / 725
65	310	1,7	16 / 230	20 / 290	50 / 725
70	350	1,7	16 / 230	20 / 290	50 / 725
75	400	1,7	16 / 230	20 / 290	50 / 725
90	510	2,1	10 / 145	12 / 175	30 / 435
102	640	2,1	10 / 145	12 / 175	30 / 435
127	750	2,1	10 / 145	12 / 175	30 / 435
152	980	2,1	10 / 145	12 / 175	30 / 435





 **GH TITAN 3F**

# T3F

**THE CLASSIC. TRIED AND TRUSTED FOR DECADES. UNCOATED FIRE HOSE  
ACCORDING TO DIN 14811**

## APPLICATIONS

- Fire brigade
- Industry
- Shipping
- Military
- Disaster relief
- Construction
- Agriculture

## FEATURES

Tough, very flat lying and fully in accordance with the relevant standards, it is perfectly designed to meet the requirements of a hose carrying basket.

- Very lightweight and highly flexible (also at extremely low temperatures)
- Small coil diameter
- Excellent resistance to ageing and ozone
- Lining extremely resistant to seawater and a wide range of chemicals (see resistance table)

## CONSTRUCTION

- High-tenacity polyester yarn, circular woven in twill weave
- Exclusively spun-dyed polyester yarn is used for coloured hoses to ensure colour fastness

- 3-ply warp threads, heavy duty construction for better abrasion resistance and pressure parameters
- High-grade, smooth EPDM rubber lining with excellent resistance to foaming agents and a wide range of chemicals

## PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

## STANDARD LENGTH

Up to 60 m Other lengths available on request

## STANDARD COLOR

TITAN 3F – white

TITAN 3F NEON – neon yellow

TITAN 3F RED – red

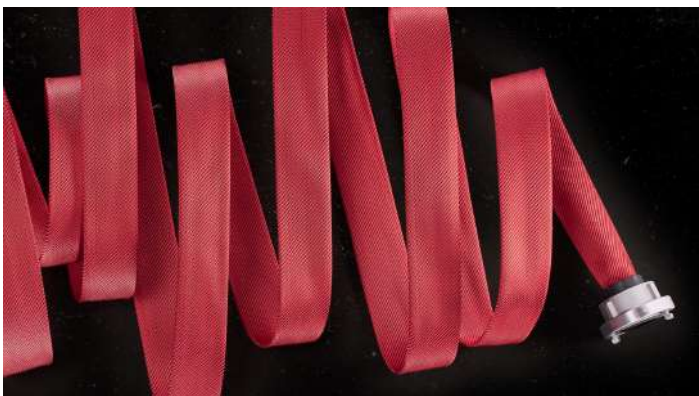
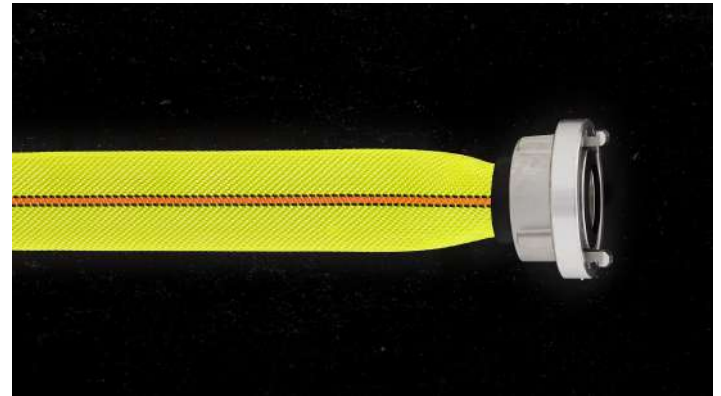
**TEMPERATURE**

-40°C to +80°C (specifications apply to water)

**INDIVIDUAL SOLUTIONS**

Customised inkjet marking

Bore size in mm	Weight in g/m	Working pressure in bar / PSI	Bursting pressure in bar / PSI	DIN number	DIN level
<b>Titan 3F</b>					
25	150	16 / 230	60 / 870		ZPC 10083
38	225	16 / 230	60 / 870	L2	ZPC 10045
40	245	16 / 230	60 / 870		
42	255	16 / 230	60 / 870	L1	ZPC 10108
45	275	16 / 230	60 / 870	L2	ZPC 10123
52	300	16 / 230	60 / 870	L1	ZPC 10047
55	310	16 / 230	60 / 870		
65	420	16 / 230	60 / 870	L3	ZPC 10109
70	465	16 / 230	60 / 870	L3	ZPC 10166
75	500	16 / 230	60 / 870	L2	ZPC 10086
110	770	12 / 175	36 / 520		ZPC 10126
152	1100	12 / 175	36 / 520		
<b>Titan 3F Neon</b>					
25	150	16 / 230	60 / 870		
40	245	16 / 230	60 / 870		
42	255	16 / 230	60 / 870	L1	ZPC 10085-2
52	300	16 / 230	60 / 870	L1	ZPC 10047-2
55	310	16 / 230	60 / 870		
75	500	16 / 230	60 / 870	L2	ZPC 10086-2
<b>Titan 3F Rot</b>					
42	265	16 / 230	60 / 870	L2	ZPC 10085-1
52	320	16 / 230	60 / 870	L2	ZPC 10047-1
55	340	16 / 230	60 / 870		
75	520	16 / 230	60 / 870	L3	ZPC 10086-1







 **GH TITAN COMBAT**

# TC

## BEST IN CLASS

### APPLICATIONS

- Fire brigade
- Industry
- Military
- Disaster relief

### FEATURES

- Small bending radius resulting in less kinking
- Longer lifespan + higher flow rates
- Better abrasion resistance due to special G&H 4Z system, well above standard requirements
- High burst pressures for high performance reserves
- High-grade, smooth EPDM rubber lining with excellent resistance to foaming agents/chemicals
- Supple, flexible properties
- Made from high-tenacity, spun-dried polyester Colour fastness

The combination of special rubber, the G&H 4Z system and flatline vulcanisation leads to much greater flexibility and optimised use for hose carrying baskets and hose packs.

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

### STANDARD LENGTH

Up to 60 m

### STANDARD COLOR

White

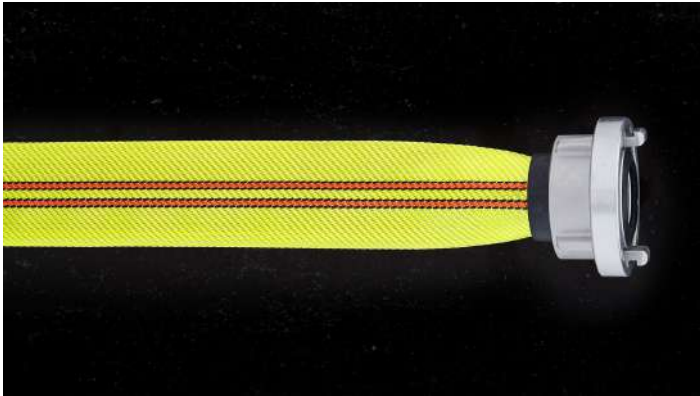
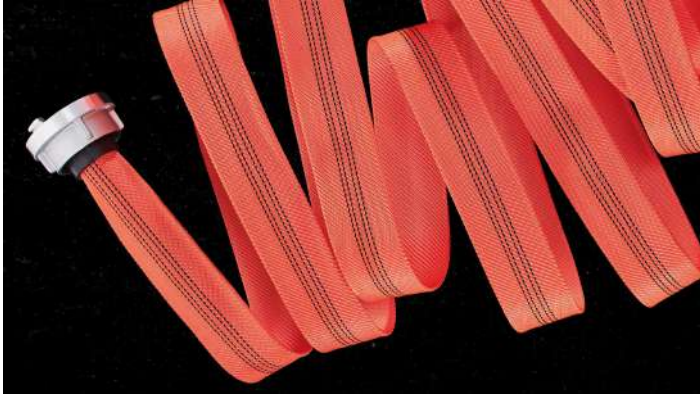
Neon yellow

Neon orange

### TEMPERATURE

-40°C to +80°C (specifications apply to water)

Bore size in mm	Weight in g/m	Working pressure in bar / PSI	Bursting pressure in bar / PSI	Bend radius in mm	DIN level
42	240	16 / 230	75 / 1090	520	2
52	310	16 / 230	75 / 1090	750	2
75	460	16 / 230	75 / 1090	1.120	3





 **GH TITAN REEL**

# TR

## UNCOATED LAYFLAT HOSE FOR ALL HYDRANTS ACCORDING TO DIN EN 14540

### APPLICATIONS

in wall hydrants according to DIN EN 14540

### FEATURES

- Very lightweight and highly flexible (also at extremely low temperatures)
- Small coil diameter
- Excellent resistance to ageing and ozone
- Lining extremely resistant to seawater and a wide range of chemicals (see resistance table)
- Mildew and rotproof
- Easy to repair

### CONSTRUCTION

Jacket:

- High-tenacity polyester yarn, circular woven in twill weave (much more resistant to abrasion than plain weave)
- 2-ply warp threads, lightweight, tough and flexible

Lining:

- High-grade EPDM rubber, flexible at low temperatures, suitable also for hot water, wall thickness 0.8 mm
- Excellent resistance to seawater, chemicals, UV radiation and ozone (much better than e.g. SBR)
- Co-extruded adhesive layer (0.2 mm wall thickness), penetrates during vulcanisation almost completely into the weaving structure
- This type of rubber guarantees a very smooth lining with low friction loss and excellent adhesion between the rubber and jacket

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

### STANDARD LENGTH

Up to 100 m Other lengths available on request

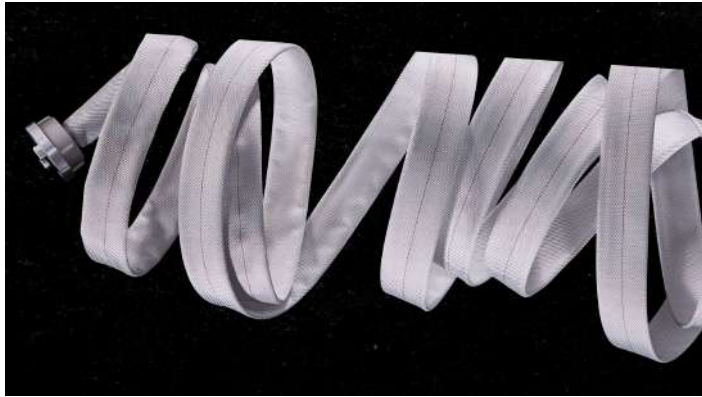
**STANDARD COLOR**

White

**TEMPERATURE**

-40°C to +80°C (specifications apply to water)

Bore size in mm	Weight in g/m	Bursting pressure in bar / PSI
42	215	50 / 725
52	260	50 / 725





 **GH TITAN X-TREME**

# TX

## HIGH-PERFORMANCE HOSE, IN ACCORDANCE WITH DIN 14811 LEVEL 3

### APPLICATIONS

- Fire brigade
- Industry
- Military
- Disaster relief

### FEATURES

- Burst pressure over 80 bar for high performance reserves
- Very small bending radius resulting in less kinking = longer lifespan
- The perfect C-hose for indoor firefighting
- Extremely high abrasion resistance thanks to special G&H 4Z system
- Distinctive design for high visibility in indoor firefighting through contrasting weave
- Clearly exceeds level 3 requirements (DIN 14811/A2) for abrasion
- Standard G&H HOSE GUARD protects against coupling defects
- Stainless-steel wire hose binding
- Less susceptible to tangling and stretching
- Suitable for all types of hose washing systems
- High-grade EPDM rubber lining, flexible at low temperatures, suitable also for hot water
- This type of rubber guarantees a very smooth lining with low friction loss
- Very good adhesion between the rubber and jacket

The combination of special rubber, the G&H 4Z system and flatline vulcanisation leads to much greater flexibility and optimised use for hose carrying baskets and hose packs.

### PRESSURES

Working pressure:

Specifications apply only to the hose (medium water, 20°C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly.

Maximum working pressure:

Approval can only be given by the manufacturer upon clarification of the exact area of application.

### STANDARD LENGTH

Up to 60 m

### STANDARD COLOR

Neon yellow  
Neon orange

### TEMPERATURE

-40°C to +80°C (specifications apply to water)

Bore size in mm	Weight in g/m	Bursting pressure in bar / PSI	Bend radius in mm	DIN level
25	160	100 / 1450	300	
42	265	85 / 1235	420	3
52	330	90 / 1305	600	3
75	545	80 / 1160	905	3
110	810	55 / 800	1.360	

