

# HILCOFLEX

Rubber covered multipurpose hose



GOLLMER & HUMMEL  
— Die Schlauchfabrik —



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## Applications

- construction sites and industry
- agriculture and mining
- water transfer and compressed air
- irrigation supply and draining
- lightweight sludge supply
- cable cover and protection

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## Features

- hardwearing and very abrasion resistant
- resistance to oil, fuel and a wide range of chemicals (see resistance table in technical appendix)
- resistance to heat, weathering and ozone
- minimum pressure loss, very low elongation
- very flexible and lightweight compared to mandril built hoses
- no cleaning and drying required

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## Construction

### Textile reinforcement:

- warp: high tenacity polyester
- weft: polyamide/polyester, circular woven
- the special weaving design offers a high tensile strength, superior adhesion level and flow performance compared to an all polyester weave
- totally embedded in the rubber compound, excellent protected against mechanical damage

### Lining and cover:

- special high grade formulated NBR/PVC compound extruded "through the weave" in a unique one step production process
- special additives in the compound guarantee superior UV and ageing resistance
- inside: very smooth for minimum friction loss
- outside: ribbed for good abrasion resistance and protection against contact heat



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Bore size (mm) (inch)		Weight (gr/m)	Wall thickness (mm)	Working pressure (Bar)	Working pressure max. (Bar)	Bursting pressure (Bar)	Breaking strength (kg)	Article code
20	3/4"	180	2,0	25	30	75	1.000	20000-020000
26	1"	210	2,2	25	30	75	1.200	20000-026000
32	1 1/4"	240	2,2	20	24	60	1.600	20000-032000
35	1 3/8"	250	2,2	16	20	50	1.600	20000-035000
38	1 1/2"	300	2,3	16	20	50	1.700	20000-038000
40	1 4/7"	310	2,3	16	20	50	1.700	20000-040000
42	1 2/3"	320	2,3	16	20	50	1.700	20000-042000
45	1 3/4"	340	2,3	16	20	50	3.000	20000-045000
52	2"	400	2,5	16	20	50	3.900	20000-052000
55	2 1/6"	420	2,5	16	20	50	3.900	20000-055000
60	2 1/3"	550	2,5	16	20	50	4.100	20000-060000
65	2 1/2"	540	2,5	16	20	50	4.300	20000-065000
70	2 3/4"	600	2,8	16	20	50	6.300	20000-070000
76	3"	650	2,9	16	20	50	6.500	20000-076000
80	3 1/5"	800	3,2	16	20	50	7.500	20000-080000
90	3 1/2"	900	3,3	16	20	50	8.500	20000-090000
102	4"	1.000	3,3	16	20	50	9.500	20000-102000
110	4 1/3"	1.200	3,3	15	18	45	10.500	20000-110000
120	4 2/3"	1.400	3,5	14	17	42	11.000	20000-120000
127	5"	1.400	3,5	14	17	42	17.000	20000-127000
152	6"	1.800	3,7	14	17	42	17.900	20000-152000
203	8"	2.600	3,9	10	12	30	26.900	20000-203000
254	10"	4.200	5,2	10	12	30	43.200	20000-254000

#### Working pressure:

Pressure data are valid for the hose only (medium water, 20°C/68°F). On coupled hose units the working pressure can be lower because of the nominal pressure of the coupling system or the method of coupling binding. With compressed air the minimum safety ratio is 1:4.

#### Working pressure max:

The producer reserves the right to approve the hose for the maximum working pressure only after detailed evaluation of the application. Consult factory for details!

#### Breaking strength:

To obtain maximum lifetime the end pull under working conditions should not exceed 1/3 of the breaking strength.

#### Standard length:

100 m (330 ft),  
other lengths on request

#### Standard color:

black for all dimensions  
Yellow Ø 20, 26, 38, 52, 65, 76, 102, 127

#### Service temperature:

**Continuous duty** → -20°C to +80°C (water),  
**Temporary** → up to +100°C (water)

Change in technical specification without prior notice.