



GOLLMER & HUMMEL
— Die Schlauchfabrik —

HILCOFLEX SPEZIAL

Rubber covered multipurpose hose, heavy duty type



The extruded
layflat hose for
tough applications!

Applications

- construction sites and industry
- mining
- high pressure water transfer and compressed air
- for heavy duty service under tough conditions

Features

- excellent wear resistant and durable for long service life
- 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
- flexible and lightweight compared to mandril built hoses, good handling
- no cleaning and drying required

Construction

Textile reinforcement:

- warp: high tenacity polyester
- weft: polyamide; circular woven
- the special weaving design offers a high pressure performance, 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: heavy ribbing for superior 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
HILCOFLEX SPEZIAL								
45	1 3/4	460	3.3	20	24	60	4.000	20100-045000
52	2	550	3.4	20	24	60	4.800	20100-052000
65	2 1/2	750	3.7	20	24	60	6.900	20100-065000
75	3	980	4.0	20	24	60	9.500	20100-076000
HILCOFLEX SPEZIAL 90								
20	3/4	190	2.5	30	36	90	1.200	20111-020000
26	1	230	2.5	30	36	90	1.400	20111-026000
32	1 1/4	290	2.7	30	36	90	2.000	20111-032000
38	1 1/2	400	3.2	30	36	90	2.700	20111-038000
52	2	600	3.5	30	36	90	5.300	20111-052000
HILCOFLEX SPEZIAL 120								
20	3/4	200	2.6	40	48	120	1.250	20121-020000
26	1	240	2.6	40	48	120	1.500	20121-026000
HILCOFLEX SPEZIAL 150 Orange, smooth cover								
52	2	950	4.5	50	60	150	7.500	20176-052000

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.

Fittings:

We recommend to use the Lüdecke "FlatLock" system to guarantee a safe connection between hose and fittings.

Ready assembled lengths on request!

Standard length: 100 m, other lengths on request

Standard color: yellow

Service temperature: -20°C up to +80°C for water
+75°C for air

Change in technical specification without prior notice.

Special options:

- colour according to customer specification
- cold flexible version HILCOFLEX SPEZIAL POLAR down to -30°C (-22°F)
- other dimensions

Change in technical specification without prior notice.

