

HILCOFLEX SPEZIAL

Rubber covered multipurpose hose, heavy duty type



The extruded
layflat hose for
tough applications!

APPLICATIONS

- construction sites and industry
- agriculture and mining
- high pressure water transfer and compressed air
- irrigation and draining
- 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



GOLLMER & HUMMEL

— The Hosefactory —

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Bore size (mm) (inch)		Weight (gr/m) (lbs/ft)		Wall thickness (mm) (inch)		Working pressure* (Bar) (PSI)		Bursting pressure (Bar) (PSI)		Breaking strength** (kg) (lbs)		Article code
45	1 3/4"	460	0.31	3.3	0.13	20	300	60	900	4,000	8,800	20100-045000
52	2 "	530	0.36	3.3	0.13	20	300	60	900	4,800	10,500	20100-052000
65	2 1/2"	700	0.47	3.5	0.14	20	300	60	900	6,900	15,200	20100-065000
76	3 "	920	0.62	3.5	0.14	20	300	60	900	9,500	20,900	20100-076000
HILCOFLEX SPEZIAL 90												
20	3/4"	190	0.13	2.3	0.09	30	435	90	1,300	1,200	2,600	20111-020000
26	1 "	230	0.15	2.5	0.10	30	435	90	1,300	1,400	3,000	20111-026000
38	1 1/2"	400	0.27	3.3	0.13	30	435	90	1,300	2,700	5,900	20111-038000
52	2 "	600	0.40	3.3	0.13	30	435	90	1,300	5,300	11,600	20111-052000
HILCOFLEX SPEZIAL 120 (minimum order quantity 1,000 m / 3,300 ft)												
20	3/4"	200	0.13	2.3	0.09	40	600	120	1,800	1,250	2,800	20121-020000
26	1 "	240	0.16	2.5	0.10	40	600	120	1,800	1,500	3,300	20121-026000

Standard length : 100 m (330 ft), other lengths on request
 Standard colour : red, HILCOFLEX SPEZIAL 90 and 120: yellow
 Service temperature: -20°C up to +100°C (-4°F up to 212°F),
 based on water

Tolerances can be found in the technical appendix

Change in technical specification without prior notice
 10 Bar = 1 MPa

* technical data based on water. For air pressure the minimum safety ratio is 1:4. Depending on the application our product can be operated with a maximum working pressure up to 50% of the bursting pressure. Consult factory for approval!

It is important to note, that the technical data for pressure are only valid for hose and not for hose assembly with couplings!

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

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

SPECIAL OPTIONS

- lengths up to 200 m (660 ft)
- colour according to customer specification
- cold flexible version HILCOFLEX SPEZIAL POLAR down to -30°C (-22°F)
- other dimensions

Note that special options are subject to a higher price and a minimum order of 1,000 m (3,300 ft) per dimension. Production short lengths and over-production up to 10% of the total order quantity have to be accepted.

Enquire for details!

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