

HILCOFLEX AGRO

Rubber covered agricultural hose, heavy duty type



GOLLMER & HUMMEL

— Die Schlauchfabrik —



Applications

- linear and travelling irrigation
- sludge and slurry disposal
- liquid manure handling
- waste water distribution systems
- heavy duty water transport

Features

- excellent resistance to weathering, UV and ozone
- superior abrasion resistance, suitable for all ground conditions
- no biodegradation, excellent resistance to agricultural chemicals and fertilizers
- minimum pressure loss, very low elongation
- supreme adhesion level between rubber and textile reinforcement
- very durable and hardwearing for long service life

Construction

Textile reinforcement

- warp: high tenacity polyester, heavy duty construction, ultra-high tensile strength
- weft: polyamide/polyester; circular woven
- the special weaving design offers a superior adhesion level and flow performance compared to an all polyester weave
- very low elongation due to a special manufacturing process
- 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 and very thick for excellent abrasion resistance

Individual Solutions

- HILCOFLEX AGRO NYLON, supreme bending radius
- colour according to customer specification
- professional binding of all international coupling systems

Bore size (mm) (inch)	Weight (gr/m) (lbs/ft)	Wall thickness (mm) (inch)	Working pressure (Bar) (PSI)	Working pressure max. (Bar) (PSI)	Bursting pressure (Bar) (PSI)	Breaking strength (kg) (lbs)	Article code
HILCOFLEX AGRO							
65 2 1/3	850 0.57	3.2 0.10	16 250	20 300	50 750	6,500 9,000	20500-065000
76 3	950 0.63	3.2 0.10	16 250	20 300	50 750	8,500 14,300	20500-076000
90 3 1/2	1,100 0.73	3.4 0.10	16 250	20 300	50 750	9,000 18,700	20500-090000
102 4	1,350 0.90	3.4 0.10	16 250	20 300	50 750	11,000 20,900	20500-102000
114 4 1/2	1,450 0.97	3.4 0.12	15 225	18 260	45 675	12,000 24,200	20500-114000
127 5	1,700 1.14	3.5 0.12	15 225	18 260	45 675	13,500 26,400	20500-127000
152 6	1,950 1.31	3.5 0.12	14 200	17 245	42 600	17,000 30,800	20500-152000
203 8	3,500 2.35	4.3 0.17	11 165	14 200	35 500	23,800 52,460	20500-203000
HILCOFLEX AGRO EXTRA							
102 4	1,600 1.07	3.8 0.15	16 250	20 300	50 750	11,000 24,200	20550-102000
127 5	1,900 1.27	3.8 0.15	14 200	17 245	42 600	13,500 29,700	20550-127000
152 6	2,200 1.47	3.8 0.15	14 200	17 245	42 600	17,000 37,400	20550-152000
HILCOFLEX AGRO EXTRA GLATT (smooth outer cover)							
65 2 1/2	900 0.60	3.5 0.14	16 250	20 300	50 750	6,500 9,400	20560-065000
76 3	1,000 0.67	3.5 0.14	16 250	20 300	50 750	8,500 14,300	20560-076000
90 3 1/2	1,150 0.77	3.5 0.14	16 250	20 300	50 750	9,000 18,700	20560-090000
HILCOFLEX AGRO EXTRA HP							
127 5	1,900 1.27	3.8 0.15	20 300	24 350	60 900	18,100 39,900	20570-127000
152 6	2,200 1.47	3.8 0.15	16 250	20 300	50 750	19,500 43,000	20570-152000
203 8	4,000 2.55	4.6 0.18	14 200	17 245	42 600	28,800 63,500	20570-203000

Attention, important notice!

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: 100/200 m (330/660 ft), other lengths on request

Standard colour: black

Service temperature: -20°C (-4°F) up to + 100°C (212°F) for water and + 75°C (167°F) for air

Change in technical specification without prior notice.