

FEATURES

- tough, durable and very abrasion resistant
- resistance to oil, fuel and a wide range of chemicals (see resistance table in technical appendix)
- resistance to heat, UV and ozone
- very low friction loss and low elongation
- excellent adhesion between rubber and textile
- no cleaning and drying required
- easy to repair

APPLICATIONS

- refineries
- chemical industry
- military
- fire brigades
- marine and offshore installations
- fire hose for usage under tough conditions

MADE IN GERMANY



Bore size (mm) (inch)	Weight (gr/m) (lbs/ft)	Wall thickness (mm) (inch)	Working pressure* (Bar) (PSI)	Proof pressure (Bar) (PSI)	Bursting pressure (Bar) (PSI)	Article code
19 3/4"	160 0.11	2.0 0.08	25 360	50 720	75 1,100	20600-019000
25 1"	180 0.12	2.0 0.08	25 360	50 720	75 1,100	20600-025000
38 1 1/2"	270 0.18	2.0 0.08	16 250	32 500	50 750	20600-038000
40 1 3/5"	290 0.19	2.0 0.08	16 250	32 500	50 750	20600-040000
42 1 2/3"	320 0.22	2.2 0.09	16 250	32 500	50 750	20600-042000
45 1 3/4"	340 0.23	2.2 0.09	16 250	32 500	50 750	20600-045000
52 2"	390 0.26	2.2 0.09	16 250	32 500	50 750	20600-052000
55 2 1/6"	410 0.28	2.2 0.09	16 250	32 500	50 750	20600-055000
64 2 1/2"	470 0.32	2.2 0.09	16 250	32 500	50 750	20600-064000
70 2 3/4"	600 0.40	2.3 0.09	16 250	32 500	50 750	20600-070000
75 3"	650 0.44	2.3 0.09	16 250	32 500	50 750	20600-075000
PROGRESS 60 (minimum order quantity 1,000 m / 3,300 ft)						
38 1 1/2"	300 0.20	2.2 0.09	20 300	40 600	60 900	20800-038000
52 2"	430 0.29	2.3 0.09	20 300	40 600	60 900	20800-052000
64 2 1/2"	520 0.35	2.3 0.09	20 300	40 600	60 900	20800-064000
75 3"	720 0.48	2.5 0.10	20 300	40 600	60 900	20800-075000
PROGRESS 90 (minimum order quantity 1,000 m / 3,300 ft)						
38 1 1/2"	320 0.22	2.3 0.09	30 435	60 870	90 1,300	20810-038000
52 2"	470 0.28	2.5 0.10	30 435	60 870	90 1,300	20810-052000
64 2 1/2"	560 0.38	2.5 0.10	30 435	60 870	90 1,300	20810-064000

Standard lengths : 15, 20 m (50 , 66 ft), in bore size 38 / 45 / 64 and 70 mm also 18, 23 and 30 m (60, 75, 100 ft), other length on request

Standard colour : red

Service temperature: -20°C up to +100°C (-4°F up to 212°F), based on water

Valid standards : BS 6391 / Type 3, DIN 14811, NFPA 1961 and other national standards

Tolerances can be found in the technical appendix

Change in technical specification without prior notice

10 Bar = 1 MPa

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

TITAN

Uncoated single jacket fire and industrial hose



GOLLMER & HUMMEL

— Die Schlauchfabrik —



MADE IN GERMANY

Applications

- industrial and municipal fire brigades
- military
- commercial and civil engineering
- mill hose
- agriculture

Features

- very lightweight and highly flexible (even at low temperature)
- small coil diameter
- excellent resistance to weathering and ozone
- inner lining excellent resistant to sea water and a wide range of chemicals (see resistance table in technical appendix)
- mildew and rotproof
- easy to repair

Construction

Jacket:

- high tenacity multifilament polyester yarn, circular woven in twill weave (substantially higher abrasion resistance compared to plain weave)
- 2F: 2-ply warp threads, lightweight, durable and flexible
- 3F: 3-ply warp threads, heavy duty construction for better abrasion resistance and higher pressure rating

Lining:

- high grade EPDM rubber, cold flexible, suitable also for hot water; wall thickness 0,8 mm (0.03")
- excellent resistance to sea water; a wide range of chemicals, UV and ozone (significantly better than i.e. SBR)
- coextruded adhesive layer (0.2 mm/0.008" wall thickness) penetrates during vulcanisation completely into the weaving structure
- this style of rubber lining guarantees a smooth inner tube with low friction loss and an excellent adhesion between lining and jacket

Individual Solutions

- single lengths longer than 60 m (200ft)
- other dimensions
- personalized marking also with your company logo
- professional binding of all international coupling systems



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Bore size		Weight		Wall thickness		Working pressure		Working pressure max		Bursting pressure		Article code
(mm)	(inch)	(gr/m)	(lbs/ft)	(mm)	(inch)	(Bar)	(PSI)	(Bar)	(PSI)	(Bar)	(PSI)	
TITAN 2F												
20	¾	100	0.07	1.5	0.06	16	250	20	300	50	750	10000-020000
25	1	120	0.08	1.5	0.06	16	250	20	300	50	750	10000-025000
32	1 ¼	160	0.11	1.5	0.06	16	250	20	300	50	750	10000-032000
38	1 ½	185	0.12	1.5	0.06	16	250	20	300	50	750	10000-038000
42	1 ⅔	215	0.14	1.5	0.06	16	250	20	300	50	750	10000-042000
45	1 ¾	225	0.15	1.5	0.06	16	250	20	300	50	750	10000-045000
52	2	260	0.17	1.7	0.07	16	250	20	300	50	750	10000-052000
65	2 ½	310	0.21	1.7	0.07	16	250	20	300	50	750	10000-065000
70	2 ¾	370	0.25	1.7	0.07	16	250	20	300	50	750	10000-070000
75	3	400	0.27	1.7	0.07	16	250	20	300	50	750	10000-075000
90	3 ½	510	0.34	2.1	0.09	10	150	12	175	30	450	10000-090000
102	4	640	0.43	2.1	0.09	10	150	12	175	30	450	10000-102000
127	5	750	0.50	2.1	0.09	10	150	12	175	30	450	10000-127000
152	6	980	0.66	2.1	0.09	10	150	12	175	30	450	10000-152000
TITAN 3F												
25	1	150	0.10	1.8	0.07	20	300	24	350	60	900	10500-025000
38	1 ½	225	0.15	2.0	0.09	20	300	24	350	60	900	10500-038000
40	1 ⅔	245	0.16	2.0	0.09	20	300	24	350	60	900	10500-040000
42	1 ⅔	255	0.17	2.0	0.09	20	300	24	350	60	900	10500-042000
45	1 ¾	275	0.18	2.0	0.09	20	300	24	350	60	900	10500-045000
52	2	300	0.20	2.0	0.09	20	300	24	350	60	900	10500-052000
55	2 ⅓	310	0.21	2.0	0.09	20	300	24	350	60	900	10500-055000
65	2 ½	420	0.28	2.1	0.09	20	300	24	350	60	900	10500-065000
70	2 ¾	465	0.31	2.1	0.09	20	300	24	350	60	900	10500-070000
75	3	500	0.34	2.1	0.09	20	300	24	350	60	900	10500-075000
102	4	670	0.45	2.2	0.09	12	175	14,5	210	36	525	10500-102000
110	4 ⅓	770	0.52	2.2	0.09	12	175	14,5	210	36	525	10500-110000
127	5	920	0.62	2.2	0.09	12	175	14,5	210	36	525	10500-127000
152	6	1.100	0.74	2.2	0.09	12	175	14,5	210	36	525	10500-152000

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!

Standard length: up to 60 m (200 ft)

Standard colour: white

Service temperature: -40°C up to + 100°C (-40° up to 212° F), based on water

Approvals: TITAN 2F MED 96/98/EC

TITAN 3F DIN 14811, MED 96/98/EC

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