

# GUTTELING CHEM RED



## CHEMICALS

Composite hoses/Chemical and corrosive products



## APPLICATIONS

GUTTELING CHEM RED hoses are designed for those chemicals and acids which do not affect the lining and the Stainless steel inner wire. Because of the liquid tight inner layer these hoses are easy to clean. There are three different types, depending on pressure:

<b>Light duty</b>	Tank truck and railcar
<b>Standard duty</b>	Tank truck, railcar and in plant transfer
<b>Heavy duty</b>	Heavy duty marine operations and ship and barge loading and unloading

## PHYSICAL PROPERTIES

- Maximum elongation: 10% on proof pressure
- Electrical resistance: max. 100 Ohm per length
- Maximum twist: 10° p/m
- Vacuum range: 0,9 bar
- Min. burst pressure: 5x working pressure (safety fact 5:1)
- Max. flowrate: on request
- Max. tensile strength: on request
- Pressure losses: on request
- Temperature range: -30°C up to +100°C (-22F up to +212F)

## TECHNICAL DESCRIPTION

<b>Inner wire:</b>	Stainless steel 316
<b>Lining:</b>	PTFE, FEP or ECTFE (hostafion)
<b>Outer cover:</b>	Polyester PVC coated red
<b>Outer wire:</b>	Galvanized- or Stainless steel 316

## STANDARD/APPROVAL

GUTTELING CHEM RED hoses are produced and tested according international standards like

**EN**

EN 13765 and IMO IBC code.

## COMPLEMENTARY INFORMATION

Other inner wire qualities (Stainless steel 304) are available upon request.

Other outer wire qualities (Aluminum, Polypropylene coated steel, Stainless steel 304) are available upon request.

Other cover colors available upon request.

Assembled lengths are delivered with pressure test certificate.





## Light Duty, 7 bar

Bore diameter		Max. work. pressure		Bend radius		Weight		Maximum length	
inches	mm	PSI	bar	inches	mm	lbs/Ft	Kg/m	Ft	m
1	28	100	7	4,9	125	0,55	0,85	100	30
1,5	40	100	7	5,9	150	0,75	1,15	100	30
2	50	100	7	7,9	200	0,85	1,3	100	30
2,5	65	100	7	8,3	210	1,45	2,2	100	30
3	80	100	7	11,8	300	1,8	2,7	100	30
4	100	100	7	15,7	400	2,95	4,4	100	30

## Standard Duty, type 2

Bore diameter		Max. work. pressure		Bend radius		Weight		Maximum length	
inches	mm	PSI	bar	inches	mm	lbs/Ft	Kg/m	Ft	m
1	28	150	10,5	4,9	125	0,65	0,95	100	30
1,5	40	150	10,5	5,9	150	1,15	1,7	100	30
2	50	150	10,5	7,9	200	1,2	1,8	100	30
2,5	65	150	10,5	7,9	200	1,95	2,9	100	30
3	80	150	10,5	11,8	300	2,35	3,5	100	30
4	100	150	10,5	15,7	400	3,65	5,5	100	30

## Heavy Duty, type 3

Bore diameter		Max. work. pressure		Bend radius		Weight		Maximum length	
inches	mm	PSI	bar	inches	mm	lbs/Ft	Kg/m	Ft	m
1	28	200	14	4,9	125	0,65	0,95	100	30
1,5	40	200	14	5,9	150	1,15	1,7	100	30
2	50	200	14	7,9	200	1,2	1,8	100	30
2,5	65	200	14	7,9	200	1,95	2,9	100	30
3	80	200	14	13,8	350	3	4,5	100	30
4	100	200	14	15,7	400	5,25	7,9	100	30
5	125	200	14	20,1	510	6,45	9,7	100	30
6	150	200	14	22,6	575	8,25	12,4	100	30
8	200	200	14	31,5	800	14,55	21,8	100	30
10	250	200	14	39,37	1000	17,8	26,7	100	30
12	300	200	14	47,24	1200	21,1	32	82	25

This information is for guidance only, dimensions and weights shown are approximate.

We reserve the right to alter or amend specifications as deemed necessary.

Digital version

