



## TERMINALMASTER COMPOSITE HOSE FOR HYDROCARBONS

**CTS Terminalmaster** hoses are designed for conveying hydrocarbons, solvents, aromatics, etcetera. There are three different types, depending on pressure and application, as follows:

### Light duty

**(LD, operating pressure maximum 7 bar):**

Manual handling, tank truck and rail car loading and unloading. The flexibility of the hose is greater as for heavier duty hoses. Weight per unit of length is also lower.

### Medium duty

**(MD, operating pressure maximum 10 bar):**

Suitable for hoses facing heavier circumstances and higher pressures, not only suitable for tank truck and railway car transfer but also for in-plant transfer of hydrocarbons.

### Heavy duty

**(HD, operating pressure maximum 14 bar):**

Hoses suitable for heavy duty marine operations, like ship to shore loading and unloading. Used in areas where hoses are frequently moved by cranes or other mechanical handling devices.

### Terminalmaster Hose Features:

- very light and flexible hose
- excellent reliability, each hose is pressure tested and certified prior to shipment
- compatible with all common hydrocarbons, including 100% aromatics
- can be equipped with different connections according to requirements
- customer specific identification available against minimum costs
- complies with all relevant international standards as IMO, USCG, Lloyds, DNV and many others
- successfully used globally by many major oil and tank storage companies



## Terminalmaster Hose specifications:

	Standard service	Chemical service
<b>Colour:</b>	Black	Green
<b>Inner helix:</b>	Galvanised steel	Polypropylene coated steel or Stainless steel
<b>Tube:</b>	Polypropylene	Polypropylene
<b>Outer helix:</b>	Galvanised steel	Stainless steel
<b>Safety factor:</b>	5 : 1 (hoses will be able to deal with pressures equal to 5 times the maximum working pressure)	

## Terminalmaster LD

Bore diameter		Max. working pressure		Min. bending radius		Weight		Maximum manufacturing length	
(inches)	(mm)	(psi)	(bar)	(inches)	(mm)	(lbs/ft)	(kg/m)	(ft)	(m)
1.0	28	100	7	4.00	100	0.55	0.85	65	20
1.5	40	100	7	5.12	130	0.75	1.15	65	20
2.0	50	100	7	5.50	140	0.85	1.30	65	20
2.5	65	100	7	6.75	170	1.45	2.20	65	20
3.0	80	100	7	8.00	200	1.80	2.70	65	20
4.0	100	100	7	12.00	300	2.95	4.40	65	20

## Terminalmaster MD

Bore diameter		Max. working pressure		Min. bending radius		Weight		Maximum manufacturing length	
(inches)	(mm)	(psi)	(bar)	(inches)	(mm)	(lbs/ft)	(kg/m)	(ft)	(m)
1.0	28	150	10.5	4.75	120	0.65	0.95	65	20
1.5	40	150	10.5	5.12	140	1.15	1.70	65	20
2.0	50	150	10.5	7.12	180	1.20	1.80	65	20
2.5	65	150	10.5	8.00	200	1.95	2.90	65	20
3.0	80	150	10.5	10.75	270	2.35	3.50	65	20
4.0	100	150	10.5	15.00	380	3.65	5.50	65	20

## Terminalmaster HD

Bore diameter		Max. working pressure		Min. bending radius		Weight		Maximum manufacturing length	
(inches)	(mm)	(psi)	(bar)	(inches)	(mm)	(lbs/ft)	(kg/m)	(ft)	(m)
3.0	80	200	14	12.00	300	3.00	4.50	65	20
4.0	100	200	14	16.00	400	5.25	7.90	65	20
5.0	125	200	14	19.00	475	6.45	9.70	65	20
6.0	150	200	14	22.00	550	8.25	12.40	65	20
8.0	200	200	14	29.00	725	14.55	21.80	65	20
10.0	250	150	10.5	36.00	900	17.80	26.70	40	12
12.0	300	100	10.5	45.20	1,150	21.10	32.00	32	10



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