

# GRIFLEX

hose & ducting solutions

## Also Available

- CUL - Standard Medium Duty Suction and Delivery Hose
- CU - Premium Medium Suction and Delivery Hose
- CSAS - Anti-Static, Heavy Duty Suction and Delivery Hose
- SF - Springflex™ Clear/Wire Reinforced Hose



## CS

## Heavy Duty Suction and Delivery Hose

A heavy duty PVC hose, reinforced with a rigid crush resistant PVC helix. Designed to operate under severe working conditions, this hose is tough, flexible and extremely durable under normal operating conditions. It has outstanding resistance to the effects of weather. Minimum frictional loss is achieved by the smooth bore.

### Applications

Suction and delivery of water, sewage, slurries and powders. This product is particularly popular in the agricultural, construction and for general industrial applications. Heavy duty suction hose is supplied in straight lengths with polished aluminium alloy couplings for fire brigade applications.

### Construction

Crush resistant anti-shock PVC spiral helix encapsulated in a grey flexible PVC cover, with a smooth inside wall.

### Colour

Standard - Grey  
Dark Green

### Temperature Range

-10°C to +55°C

### Size Range

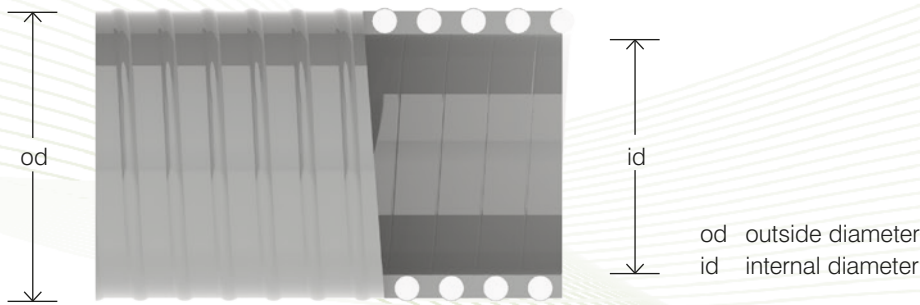
1" to 8"  
28mm to 140mm

### Standard Length

30m Coils up to 6"  
50m Coils also available up to 80mm  
10m Straight cured lengths over 6"

### Special Features

- Optimum flow is maintained by the smooth bore
- Robust, heavy duty construction
- Withstands a full vacuum
- Outstanding resistance to the effects of weather



### CS - Heavy Duty Suction and Delivery Hose

Product Ref.	Internal Dia. Inches	Internal Dia. mm	External Dia. mm	Wall Thickness Overall mm	Weight kg/m	Min. Bend Radius mm	Vacuum m of H <sub>2</sub> O	Working Pressure Bar	Coil Length Metres
CS10	1"	25.4	34.4	4.5	0.53	160	9	13.3	30 / 50
CSM28	Metric	28	37.2	4.6	0.61	180	9	11.5	30 / 50
CSM30	Metric	30	39.2	4.6	0.65	190	9	10.1	30 / 50
CS12	1¼"	32	41.2	4.6	0.67	200	9	10.0	30 / 50
CSM35	Metric	35	44.6	4.8	0.77	220	9	8.8	30 / 50
CS15	1½"	38	48.2	5.1	0.89	230	9	8.7	30 / 50
CSM40	Metric	40	50.8	5.4	0.96	260	9	7.9	30 / 50
CSM45	Metric	45	55.8	5.4	1.15	280	9	7.5	30 / 50
CS20	2"	51.6	62.8	5.6	1.28	300	9	7.3	30 / 50
CSM60	Metric	60	72.0	6.0	1.45	380	9	5.8	30 / 50
CS25	2½"	63.5	75.7	6.1	1.58	370	9	6.0	30 / 50
CS30	3"	76	89.2	6.6	1.93	450	9	5.7	30 / 50
CSM80	Metric	80	93.0	6.5	2.2	530	9	4.8	30 / 50
CS35	3½"	90	104.0	7.0	2.23	550	9	5.0	30
CS40	4"	102	118.0	8.0	3.58	630	9	4.3	30
CS50	5"	127	144.2	8.6	4.76	850	8	4.0	30
CSM140	5½"	140	159.6	9.8	5.97	1000	8	3.7	30
CS60	6"	152	172.4	10.2	6.72	1100	8	3.7	30
CS80	8"	204	227.0	11.5	10.14	2030	8	3.3	10
CS100	10"	254	282.0	14.0	15	2540	8	3.0	10

All sizes are nominal and normal manufacturing tolerances apply.

Special Sizes are available on request but may be subject to Minimum Order Quantities and Leadtimes.

- (i) Maximum working pressure is based on a factor of safety of 3:1 on short term burst pressure at 20°C. If the temperature increases, please refer to the temperature pressure charts.
- (ii) Lengths detailed above are as standard, however variations may be available subject to minimum order quantities. Weights are approximate dependent upon working tolerance and density of materials.
- (iii) Bending diameter information is intended as a guide to the minimum bend radius at 20°C ambient temperature without restricting the bore. It does not mean that the hose cannot be bent below the given dimensions but restriction is likely to occur.

