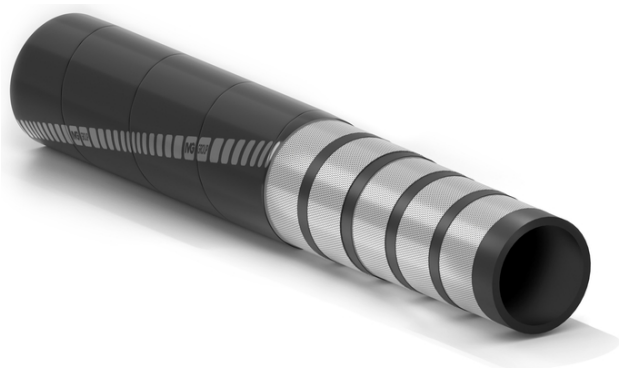
ivg colbachini spa

DREDGE

Dragasteel

Discharge line hose in dredging operations





Application:
heavy duty steel cord hose used as a flexible connection in discharge lines. Used in heavy-duty applications for delivery of sand, gravel and debris mixed with water.
Also available with: enlarged ends or built-in fittings with rubber protected flanges.
Possible to order with: portions of integrated flotation or fully integrated flotation.

Plies of steel wire cord
Resistant to abrasion and sea water
Heavy duty

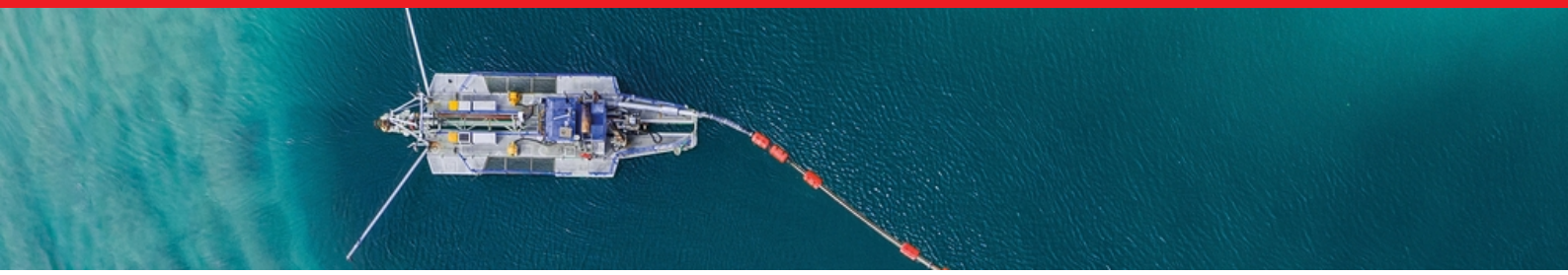
Tube:
black, smooth, SBR/NR rubber with excellent resistance to abrasion and lacerations.

Reinforcement:
plies of steel wire cord divided by layers of rubber to improve the hose flexibility.

Cover:
black, smooth (wrapped finish), synthetic rubber, highly resistant to sea water, weathering and abrasion.

Temperature:
from -40°C (-40°F) to +70°C (+158°F).

Dragasteel



Code	Inside diameter		Outside diameter		Working pressure		Burst pressure		Weight nominal		Flexibility	Length max	
	mm	inch	mm	inch	bar	psi	bar	psi	kg/m	lbs/ft	°/m	m	ft
1397338	200	8	246	9,69	15	225	45	675	20,69	13,90	38	12	40
1272233	254	10	310	12,21	15	225	45	675	31,31	21,04	35	12	40
1327852	300	12	354	13,95	15	225	45	675	34,74	23,35	32	12	40
1360523	350	14	401	15,80	15	225	45	675	40,93	27,51	29	12	40
1210254	400	16	446	17,57	15	225	45	675	41,84	28,31	27	12	40
1204645	450	18	496	19,54	15	225	45	675	46,76	31,65	22	12	40
1211285	500	20	559	22,02	15	225	45	675	75,74	50,90	17	12	40
1362259	590	23,25	666	26,24	15	225	45	675	108,41	72,85	12	12	40

Variants available on request:

1.Different diameters.

10/11/26 - Above technical data are referring to applications at room temperature (+20°C). IVG Colbachini is not liable for the use that differs from what is confirmed in their catalogues, product sheets, offers, order confirmations and contained recommendations. For a correct use refer to “Recommendations for the selection, storage, use and maintenance of rubber hoses” by Assogomma, available on www.ivgspa.it. With the aim to improve the product, IVG reserves the right to modify the hose specifications without giving any prior notice.

THE MOST SUITABLE DREDGING HOSE



Dredging Hose Request Questionnaire

***fields marked with an asterisk must be completed in order to assess feasibility**

1.1 DREDGER TYPE

- Trailing suction hopper dredger
- Cutter suction dredger

1.2 OPERATING SITE*

Sea | River | Submersible pump
Onshore | Onboard | Other: _____

1.3 INFORMATION ON OPERATING SITE AND NATURE OF CONVEYED MATERIAL*

Temperature range _____ Density of conveyed fluid _____
Type of conveyed material _____ Quantity of material to be dredged _____

1.4 HOSE POSITION IN THE SYSTEM*

1 = flexible connection between rigid pipes in the discharge line
2 = flexible hose in the discharge line
3 = self-floating flexible hose in the discharge line
4 = flexible connection between dredger and discharge line
5 = suction hose
6 = jet water hose to the suction head
7 = onshore flexible hose
Other (please specify) _____

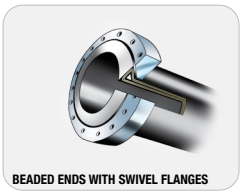
1.5 COUPLING/END TYPE*

Straight ends
Soft ends
Enlarged ends
Beaded ends with swivel flange
Built-in rubber protected couplings
Steel reinforced rubber flanges
Other (please specify) _____


STRAIGHT ENDS


SOFT ENDS


ENLARGED ENDS


BEADED ENDS WITH SWIVEL FLANGES


BUILT-IN RUBBER PROTECTED COUPLINGS

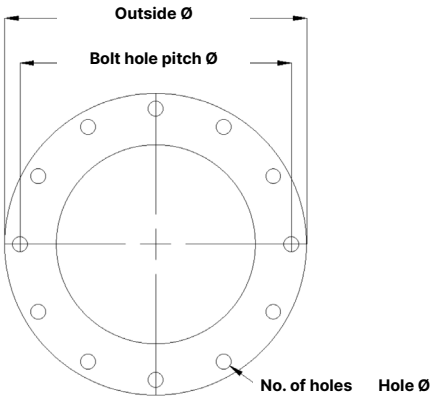

STEEL REINFORCED RUBBER FLANGES

1.6 FLANGE TYPE (IF APPLICABLE)*

Reference standard and classification:

_____

Outside Ø: _____ [mm]
Bolt hole pitch Ø: _____ [mm]
No. of holes: _____
Hole Ø: _____ [mm]



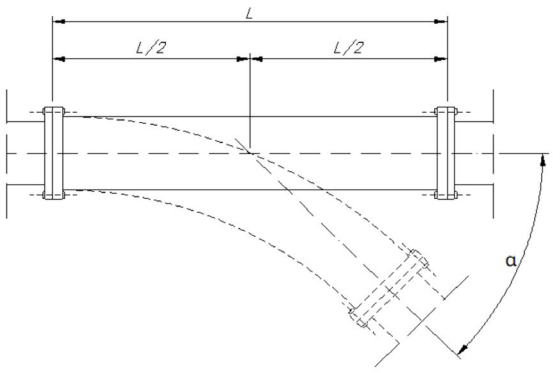
1.7 DIMENSIONS*

Hose inside: _____ [mm]
Hose length (L): _____ [m]

1.8 OPERATING CONDITIONS*

Discharge Max. discharge pressure _____ [bar]
Suction Max. suction pressure _____ [bar]
Discharge + Suction
Max. discharge pressure _____ [bar]
Max. suction pressure _____ [bar]

Max. operating α: _____ [°]
Max. α in accidental conditions _____ [°]



NOTES:

_____

_____

_____

_____

_____

Please return the completed form
to your IVG technical sales contact or email it to info@ivgspa.it

ivg colbachini spa

SPECIAL DETAILS

WARNINGS AND PRECAUTIONS

Rubber hoses have a service life proportional to their usage.

The equipment and systems where the hose is installed must be designed to ensure safe operation. Given the wide range of possible applications, IVG Colbachini does not guarantee suitability for all specific uses. The selection of the most appropriate product for the intended application, ensuring the required performance and safety standards, is the sole responsibility of the user.

IVG Colbachini shall therefore not be held liable for any use other than those indicated in its catalogues, product data sheets, quotations, order confirmations, or any accompanying recommendations.

Improper product selection and/or use, or failure to comply with installation, operation, maintenance, and storage procedures, may result in hose failure and cause damage to property or personal injury.

IVG Colbachini manufactures and markets both assembled hoses and hoses supplied without fittings.

Assembled Hoses

Before being placed on the market, the hose assembly is subjected by IVG to manufacturing control tests carried out by qualified personnel.

IVG declines all responsibility for any subsequent modifications, disassembly, or reinstallation of fittings performed by the user, as well as for uses that differ from those indicated in the product data sheet or in the absence of maintenance programs and periodic inspections.

Hoses and Fittings as spare parts

The user is responsible for assembling the hose and fittings, ensuring proper hose/fitting compatibility and compliance with the technical specifications for use. It is recommended that the hose assembly be subjected to a pressure tightness test carried out by qualified personnel.

IVG declines all responsibility in this regard.

Precautions

For proper selection and correct use of IVG products, reference should also be made to the recommendations issued by Assogomma, available at www.ivgspa.it, in accordance with ISO 8331 regarding installation, maintenance, methods and duration of use, as well as fitting stability and tightness.

For safety reasons, the working pressure indicated in the product technical data sheet must never be exceeded.

In general, continuous operation at maximum allowable pressure and/or temperature may significantly reduce the hose service life. Regular inspections and hydrostatic testing at the specified test pressure must therefore be carried out. Hydrostatic tests must be performed by adequately trained personnel using suitable equipment and in accordance with recognized testing standards.

For specific applications of rubber hoses, reference should be made to applicable legal requirements or compliance standards. Additional recommendations are available for particularly critical applications. For further information, please contact info@ivgspa.it.