

## SUCTION HOSE COMPOSIT

INTEGRATED ONTO THE DREDGER'S FRAME TO ENSURE THE REQUIRED SLOPE-ANGLE OF THE TRESTLE



### DESCRIPTION

In order to provide the necessary radial stiffness and stability the suction hose COMPOSIT incorporates the reinforcing elements which carry the main load and annul collapsing of the suction rubber hose.

A frame structure of this suction hose COMPOSIT has a triple margin of safety.

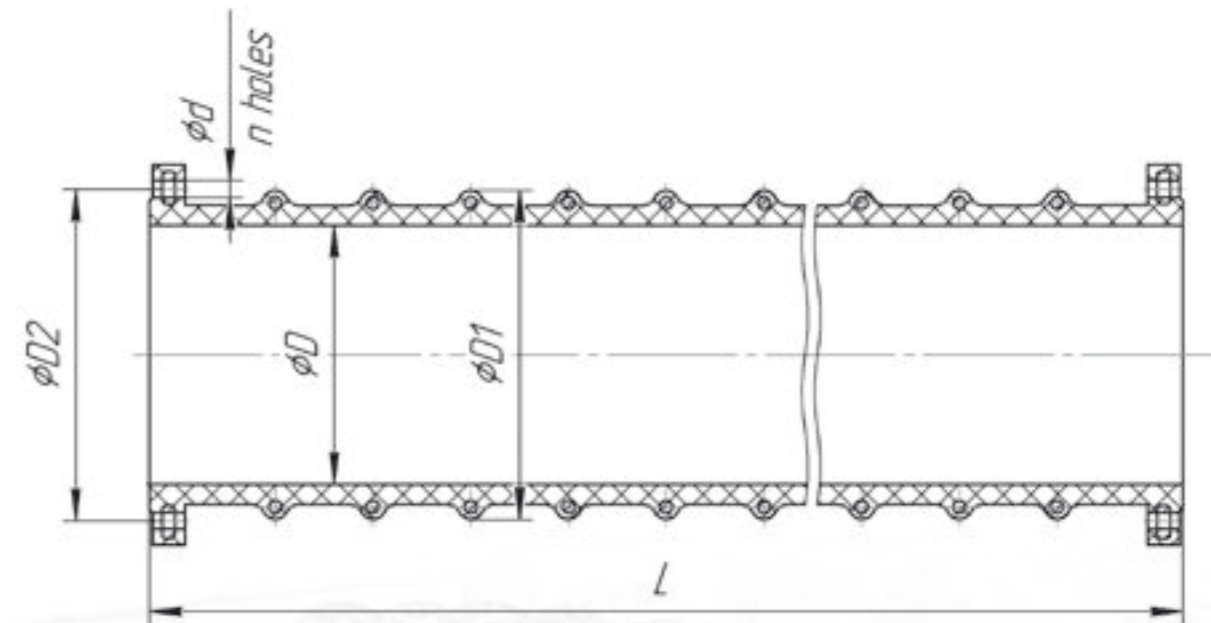
There are 2 variations of the suction hose COMPOSIT:

- corrugated suction hose COMPOSIT with the bending angle up to 90° resulted from its structural features.
- plain suction hose COMPOSIT of standard design with the bending angle of 60°.

The internal wear-resistant liner of the suction hose COMPOSIT is made of superior synthetic rubber. The external rubber-based outer cover protects the suction hose COMPOSIT from external mechanical, physical and environmental effects.

### ADVANTAGES

- superior hydrodynamics
- threefold safety margin
- enhanced wear-resistance
- economic & operational benefit
- lack of creases in use
- high flexibility up to 90°
- rapid and easy installation
- reliable and sound connectivity of sections



### BASIC DIMENSIONS OF SUCTION HOSE COMPOSIT

Part No	Inner diameter of hose		Outer diameter of float		Mounting dimensions of flanges/ the diameter of the bolt holes/ number of bolts		Vacuum		Min bending radius		Hose weight per meter	
	D		D1		D2 / d / n				m	ft	kg	pound
	mm	inch	mm	inch	mm / mm / pcs	inch / inch / pcs	Mpa	%				
TB-Φ-300	300	11 <sup>13</sup> / <sub>16</sub>	398	15 <sup>21</sup> / <sub>32</sub>	400 / 22 / 12	15 <sup>3</sup> / <sub>4</sub> / <sup>7</sup> / <sub>8</sub> / 12	0.08	до 80	1.350	4.43	46.00	101.41
TB-Φ-325	325	12 <sup>25</sup> / <sub>32</sub>	422	16 <sup>5</sup> / <sub>8</sub>	450 / 22 / 16	1 <sup>23</sup> / <sub>32</sub> / <sup>7</sup> / <sub>8</sub> / 16	0.08	до 80	1.463	4.80	49.40	108.91
TB-Φ-351	351	13 <sup>13</sup> / <sub>16</sub>	447	17 <sup>19</sup> / <sub>32</sub>	470 / 22 / 16	18 <sup>1</sup> / <sub>2</sub> / <sup>7</sup> / <sub>8</sub> / 16	0.08	до 80	1.580	5.18	52.90	116.62
TB-Φ-377	377	14 <sup>27</sup> / <sub>32</sub>	474	18 <sup>21</sup> / <sub>32</sub>	490 / 22 / 16	19 <sup>9</sup> / <sub>32</sub> / <sup>7</sup> / <sub>8</sub> / 16	0.08	до 80	1.697	5.57	56.40	124.34
TB-Φ-402	402	15 <sup>13</sup> / <sub>16</sub>	497	19 <sup>9</sup> / <sub>16</sub>	550 / 22 / 16	21 <sup>21</sup> / <sub>32</sub> / <sup>7</sup> / <sub>8</sub> / 16	0.08	до 80	1.809	5.94	59.70	131.61
TB-Φ-426	426	16 <sup>25</sup> / <sub>32</sub>	520	20 <sup>15</sup> / <sub>32</sub>	660 / 22 / 16	21 <sup>21</sup> / <sub>32</sub> / <sup>7</sup> / <sub>8</sub> / 16	0.08	до 80	1.917	6.29	62.90	138.67
TB-Φ-530	530	20 <sup>7</sup> / <sub>8</sub>	645	25 <sup>13</sup> / <sub>32</sub>	550 / 22 / 20	26 / <sup>7</sup> / <sub>8</sub> / 20	0.08	до 80	2.385	7.82	102.00	224.87
TB-Φ-630	630	24 <sup>13</sup> / <sub>16</sub>	755	29 <sup>23</sup> / <sub>32</sub>	785 / 30 / 20	30 <sup>29</sup> / <sub>32</sub> / <sup>13</sup> / <sub>16</sub> / 20	0.08	до 80	2.835	9.30	126.30	278.44
TB-Φ-720	720	28 <sup>11</sup> / <sub>32</sub>	865	34 <sup>1</sup> / <sub>16</sub>	895 / 33 / 24	35 <sup>1</sup> / <sub>4</sub> / <sup>15</sup> / <sub>16</sub> / 24	0.08	до 80	3.240	10.63	171.70	378.53

Manufacturing as per the Customer's individual drawings and specifications based on specific operation condition is acceptable.