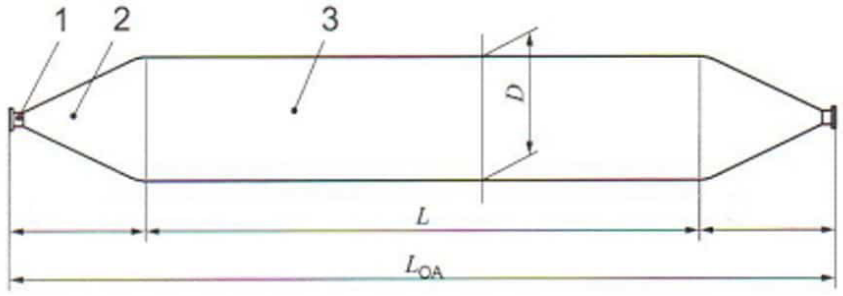
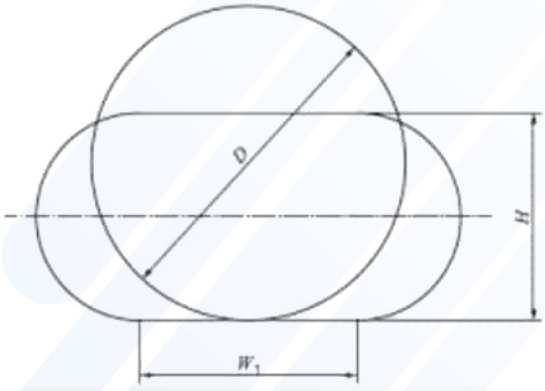
SHIP LAUNCHING AIRBAG SPECIFICATION

Technical Specifications



D:Bag Diameter
LOA:Effective Length
L:Total Length
1. Mouth
2. Head
3. Body

The core indicators of ship launching airbag quality comes from Rated Working Pressure, Bearing Capacity and Minimum Burst Pressure. These datas are calculated by specific calculation formulas. Another important indicator is SUNHELM ship launching airbag safety factor could reach at least 4.5 times. The formula is as follows:



F=PS, S=π x (D-H)/2

F: Bearing Capacity (Unit:N)
P: Working Pressure (Unit:Pa)
S: Contact Area (Unit:m2)
D: Airbag Diameter (Uncompressed)
H: Height after airbag compressed

According to the size (width, length) and weight of different ships, the selection of ship launching airbags need to be designed and calculated (if you need selection and specific data, please contact us). Therefore, the airbag parameters of some models are listed here for reference. (Layers: The numbers of synthetic tire cord layers)

Airbag Layers	Diameter (D)	Rated Working Pressure	Bearing Capacity at 70% Compress Deformation	Minimum Burst Pressure
	m	kPa	KN/m	kPa
6 Layers	1.2	197	260	887
	1.5	157	259	709
	1.8	131	259	591
7 Layers	1.2	229	302	1031
	1.5	183	302	824
	1.8	152	301	687
8 Layers	1.2	260	343	1172
	1.5	208	343	937
	1.8	173	342	781
9 Layers	1.2	291	384	1311
	1.5	233	384	1049
	1.8	194	384	874

The above parameters are the dimensions and parameters of standard ship launching airbags.However,ship launching airbags formulate different product plans according to different project requirements.The project party needs to provide corresponding ship type,size,and weight.SunHelm Technology Department issues the project product plan,or the project party can directly provide the required airbag model specifications.