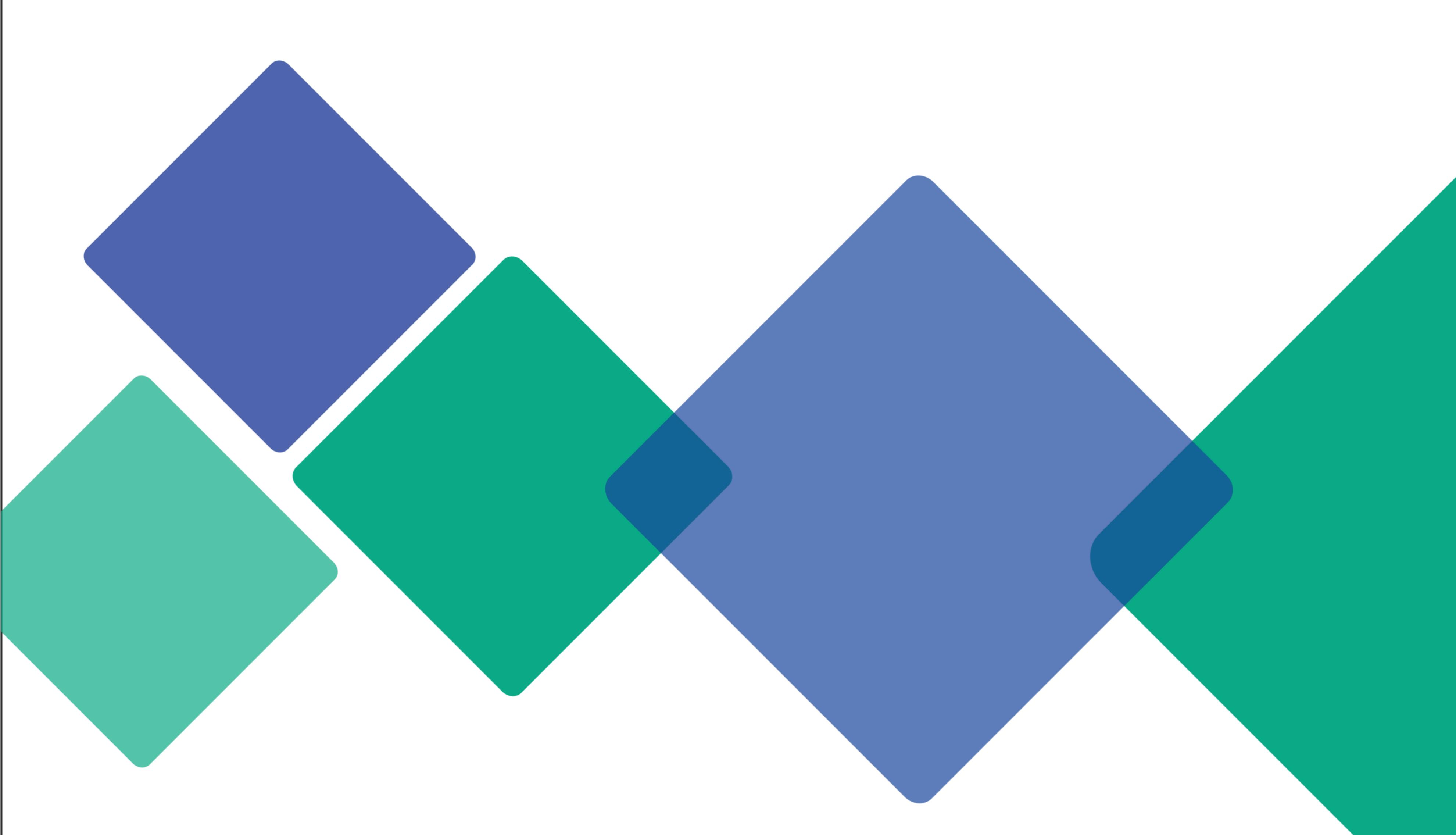
Make pipe plugging more convenient

Make pipeline plugging safer



HEBEI GUCHEN ENGINEERING RUBBER CO., LTD

河北古晨工程橡胶有限公司



Consistent security

High-pressure sealing airbag

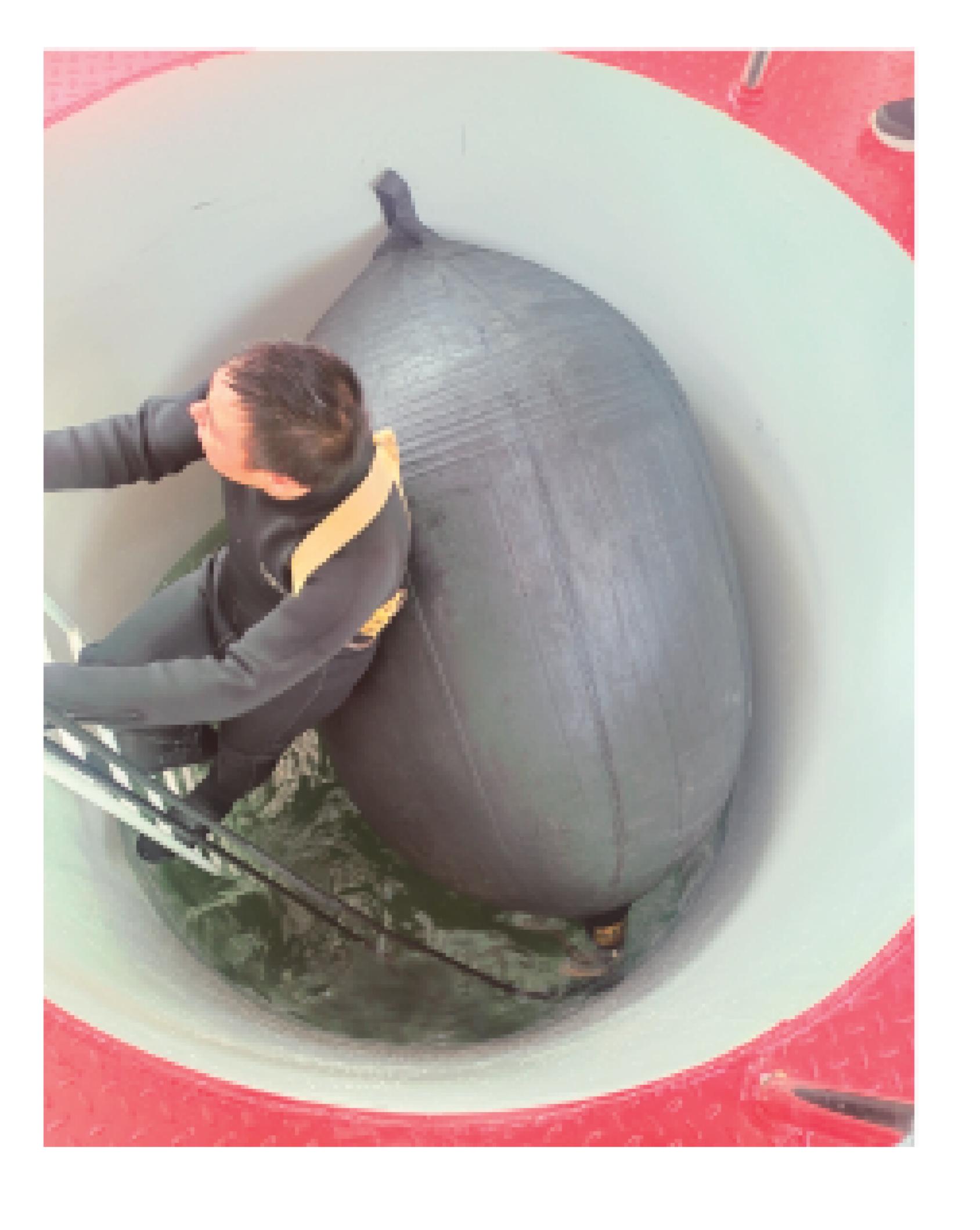
It is interwoven with imported rubber and high tensile fiber, with strong compression resistance, high safety factor, high abrasion resistance, flexibility, aging resistance and excellent sealing performance.

The pressure of the product ranges from 0.15 mpa to 0.25 mpa, which is more than ten times the pressure of the ordinary airbag, and the safety is extremely high.

The water depth used can be blocked from about 1 to 15 meters according to different specifications.



PRODUCT DISLLAY

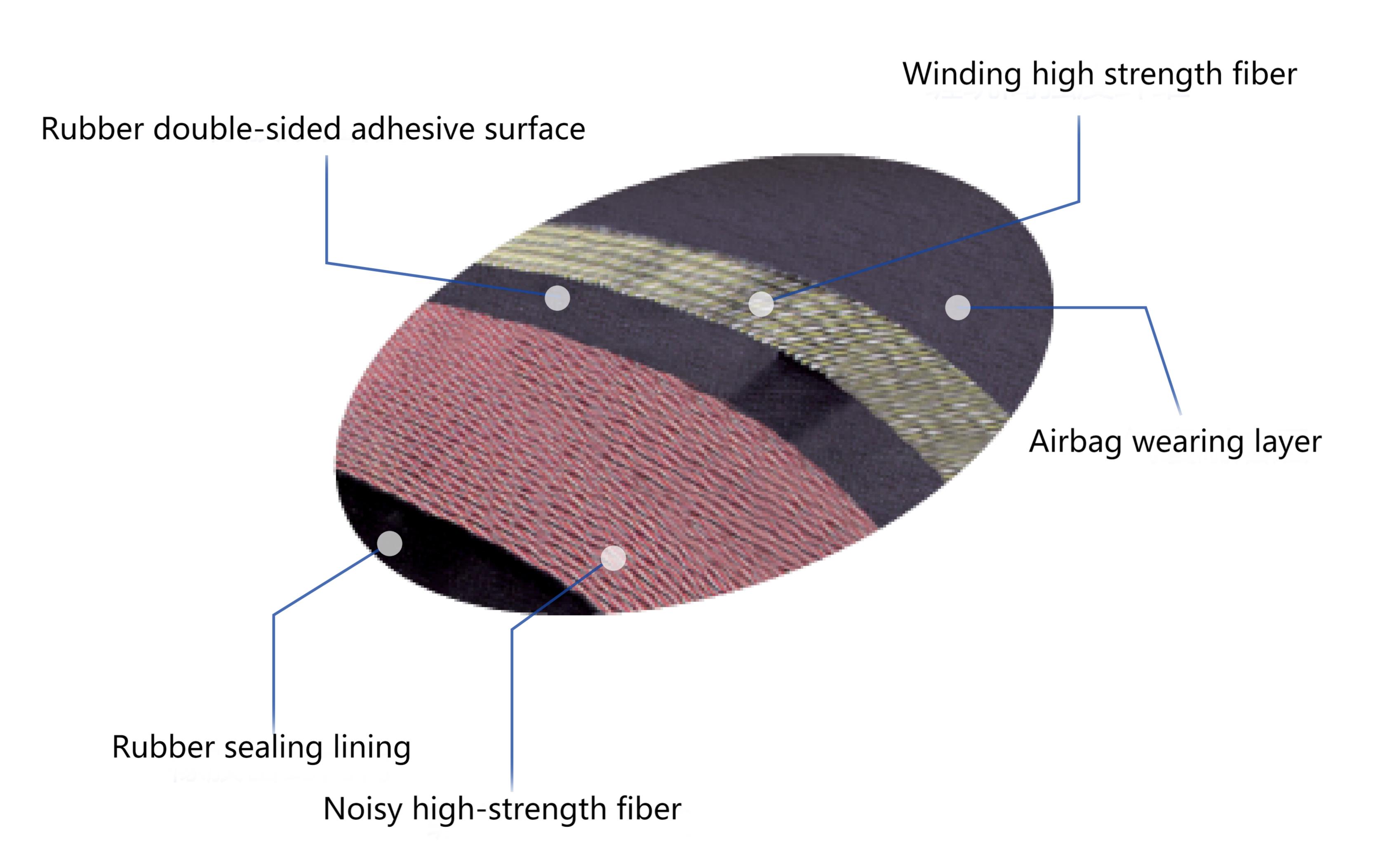








Section structure drawing



Product parameters

Specifications	Length/M	Weight/KG	Specifications	Length/M	Weight/KG
300mm	0.8	6	1400mm	2.6	70
400mm	1	8	1500mm	2.8	80
500mm	1. 2	10	1600mm	3. 2	110
600mm	1. 3	14	1650mm	3. 3	120
800mm	1. 7	22	1800mm	3.6	150
1000mm	2.0	35	2000mm	4.0	180
1200mm	2. 2	42	2200mm	4. 4	210
1350mm	2.6	65	2400mm	4.8	230

Specifications	Delivery pressure ≤ Mpa	Test pressure ≤ Mpa	Usable pressure ≤ Mpa	Plugging water depth ≤ M
300-600	0. 15	0. 15-0. 16	0. 1-0. 15	5
800-1200	0. 15	0. 15-0. 16	0. 1-0. 15	5
1350-2200	0. 15	0. 15-0. 16	0. 1-0. 13	5
300-600	0. 2	0. 2-0. 21	0. 1-0. 2	10
800-1200	0. 2	0. 2-0. 21	0. 1-0. 18	10
1350-2200	0. 2	0. 2-0. 21	0. 1-0. 17	10
300-600	0. 25	0. 25-0. 26	0. 1-0. 25	15
800-1200	0. 25	0. 25-0. 26	0. 1-0. 22	15
1350-2200	0. 25	0. 25-0. 26	0. 1-0. 22	15

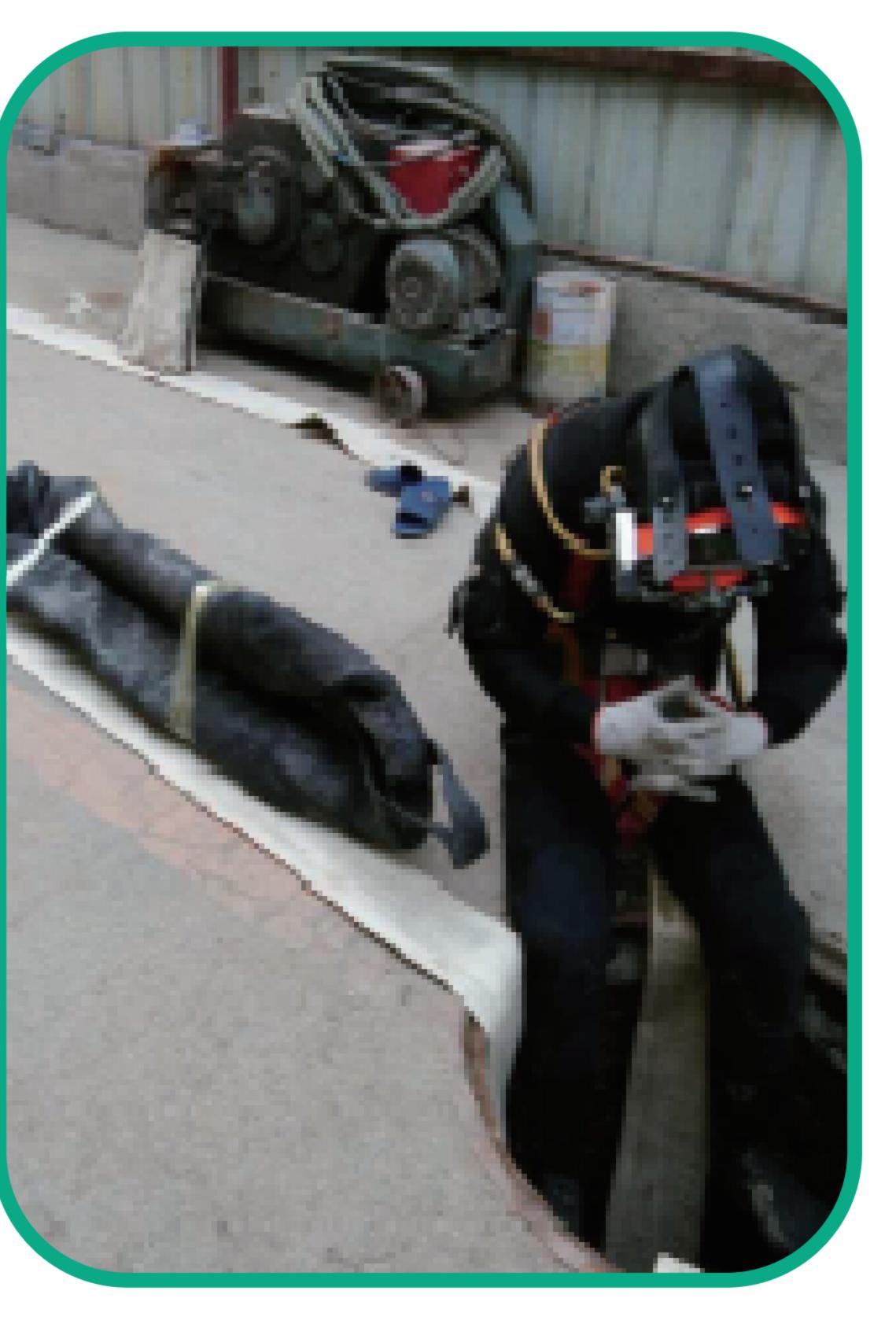
pressure airbag



Airbag connection mode



Airbag inflation static diagram



Diver construction drawing DN1800mm shrinkage size



It is made of imported rubber and high molecular aramid, which has the characteristics of sustainable expansion. The variable-diameter air bag adopts mechanical die-casting integrated vulcanization mode, with high rubber density and extremely high bearing pressure of 0.25mpa. One specification of air bag can block several pipes of different specifications, such as DN300mm-600mm can block all pipes of 300-600. Convenient, fast and safe.



Variable diameter airbag



Specifications	Applicable pipe diameter mm	Inflation pressure mpa	Use water depth ≤ m	Initial diameter mm	lengthmm	weight/Kg
u150-300	150-300	0.2	10	135	500	2.5
u200-400	200-400	0.2	10	180	600	4
u200-500	200-500	0.2	10	180	750	5
u300-600	300-600	0.15	8	280	750	10
u400-800	400-800	0.15	8	380	900	18
u500-1000	500-1000	0.15	5	460	1050	25

Blocking air bag of box culvert

The box culvert plugging air bag is mainly designed for the complex and difficult plugging before the maintenance of large square drainage culverts and ditches in China. On the basis of the traditional round pipe sealing the air bag, the imported polymer rubber with super tensile force is used. When the air bag inflation pressure reaches the set pressure, the air bag can change with the shape of the pipe, thus realizing the sealing of square and other special-shaped pipes and box culverts. The airbag can be placed into the pipe and box culvert through the inspection well with the folding size not exceeding 600mm before delivery. For the low water level box culvert within 3m x 3m, it can completely replace the brick wall plugging to achieve safe, convenient and economic construction. Especially for the temporary plugging of typhoon emergency prevention at the coastal outfall along the river, the dredging treatment of large box culvert has excellent effect.

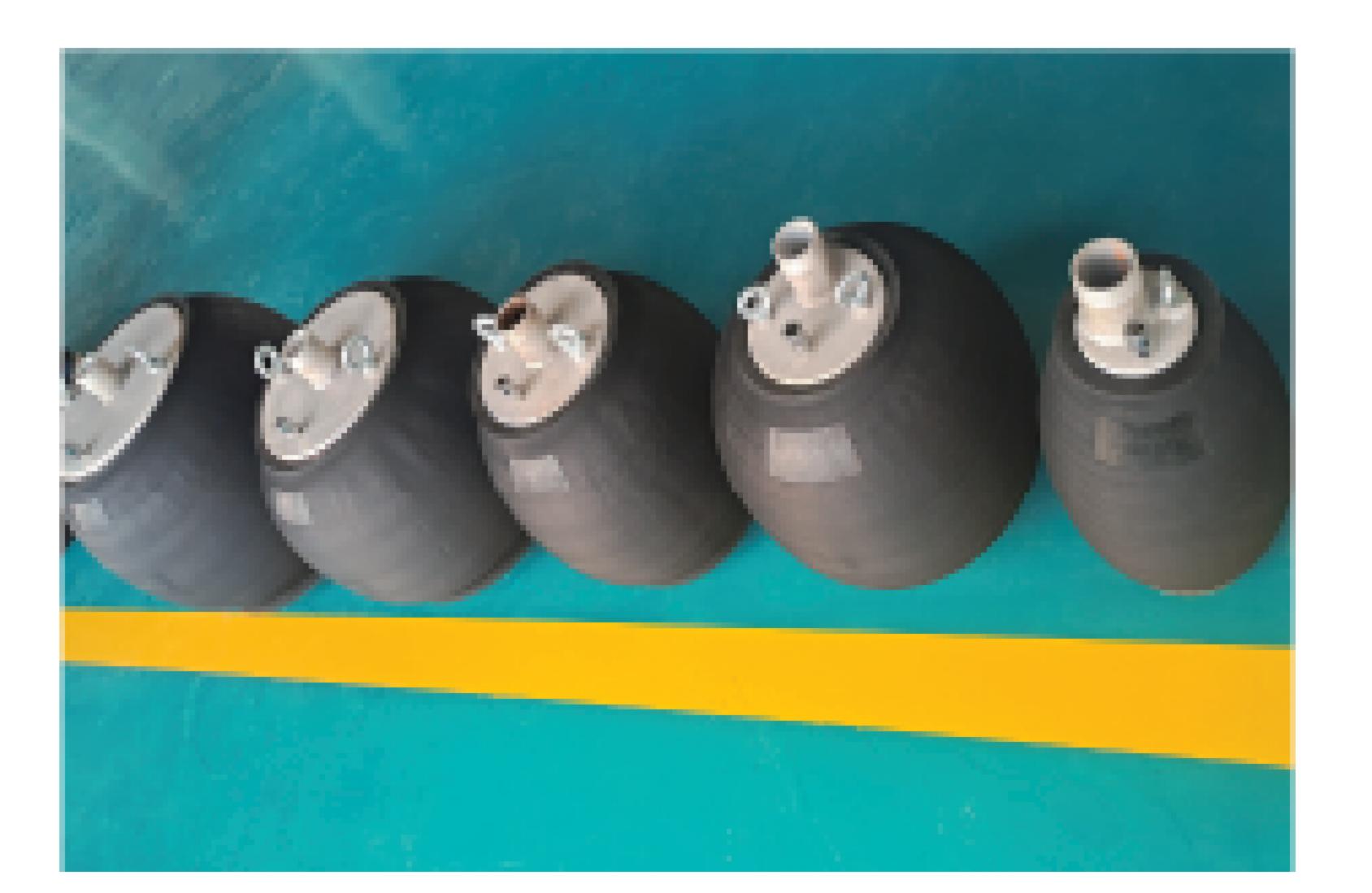






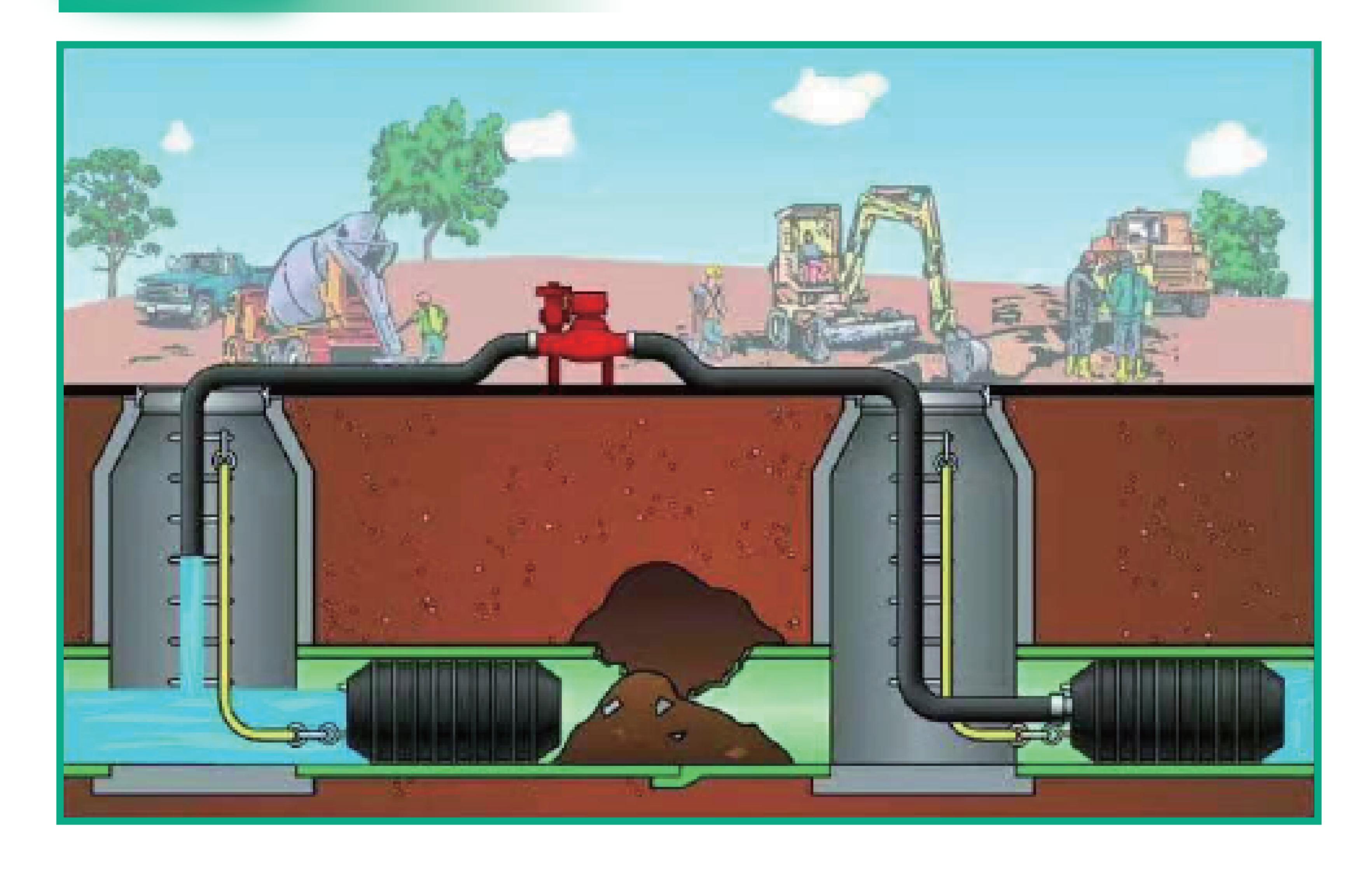
FIPP thermoplastic sealed airbag

It can be used for plugging both ends of pipes in FIPP thermoplastic repair process. The backflow hole set in the middle of the air bag can also be widely used in the closed air and water test of the pipeline. The airbag can withstand high temperature, aging and pressure up to 0.5mpa





Structure diagram



Conventional pipeline repair airbag

The air bag for pipeline repair is made of imported special rubber combined with double-layer high-strength elastic fiber structure, which is extruded and vulcanized. Both ends of the air bag are fixed with metal structure panels and equipped with wheels with symmetrical angles to ensure the air bag can pass through the pipeline stably and can be connected with CCTV. It is applicable to cracks, water leakage, dislocation and partial corrosion of different pipelines. It is applicable to pipes of various materials from 200 mm to 1200 mm.



Short hollow diversion repair airbag

The short hollow guide air bag is suitable for point-like repair in narrow space. The overall length of the airbag is relatively short, and the total length is not more than 700mm. This type of airbag uses Kevlar fiber, and the maximum service pressure can reach 0.5mpa/5bar, which is especially suitable for small (200-800mm) pipes.

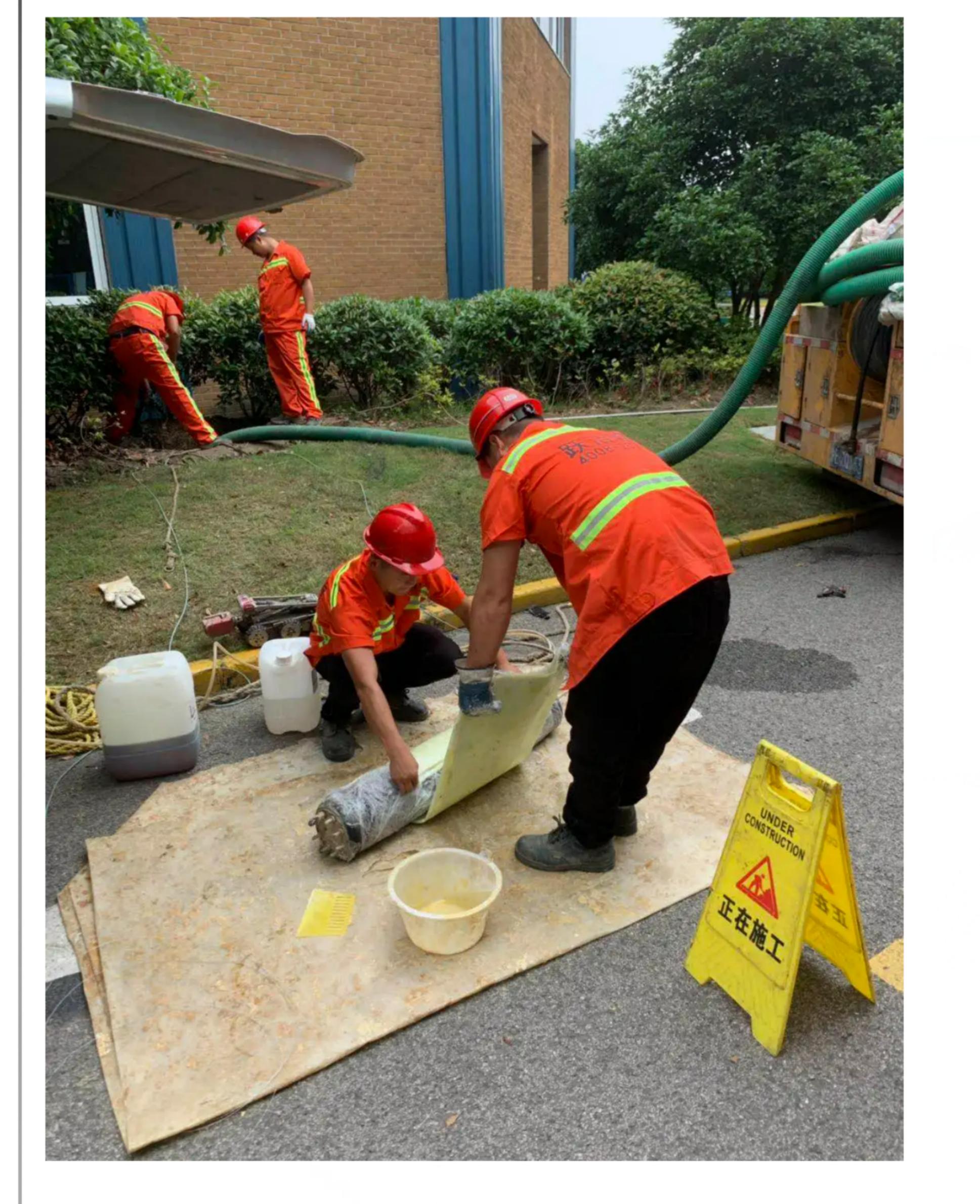


Quick-lock jacking airbag

This type of airbag is suitable for repairing small pipes with quick lock, and can also jack up other primary collapses. It has the advantages of high pressure (the maximum operating pressure can be 0.5 mpa, 5 bar for a short time), easy operation, anti-aging, etc.



Case presentation







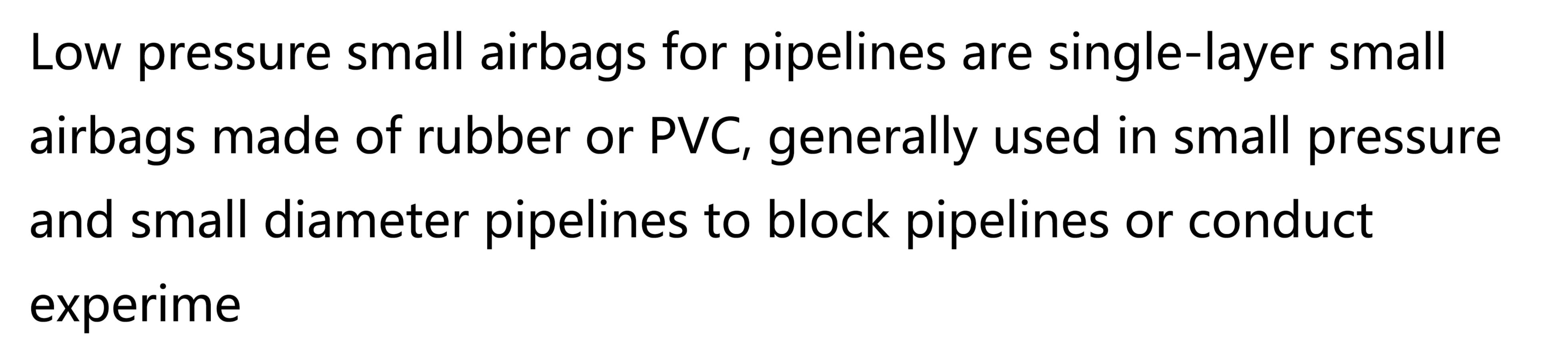
Rubber low-pressure airbag

Low pressure rubber pipe sealing airbag is a device used to seal pipes or pipe leaks. It is usually made of soft rubber material that can be expanded by inflating or injecting liquid to fill the space inside the pipeline and prevent liquid or gas leakage. This type of airbag is commonly used in low-pressure piping systems, such as water supply pipelines, drainage pipelines, chemical pipelines, etc. They can play a role in pipeline maintenance, emergency sealing, or temporary closure of pipelines.



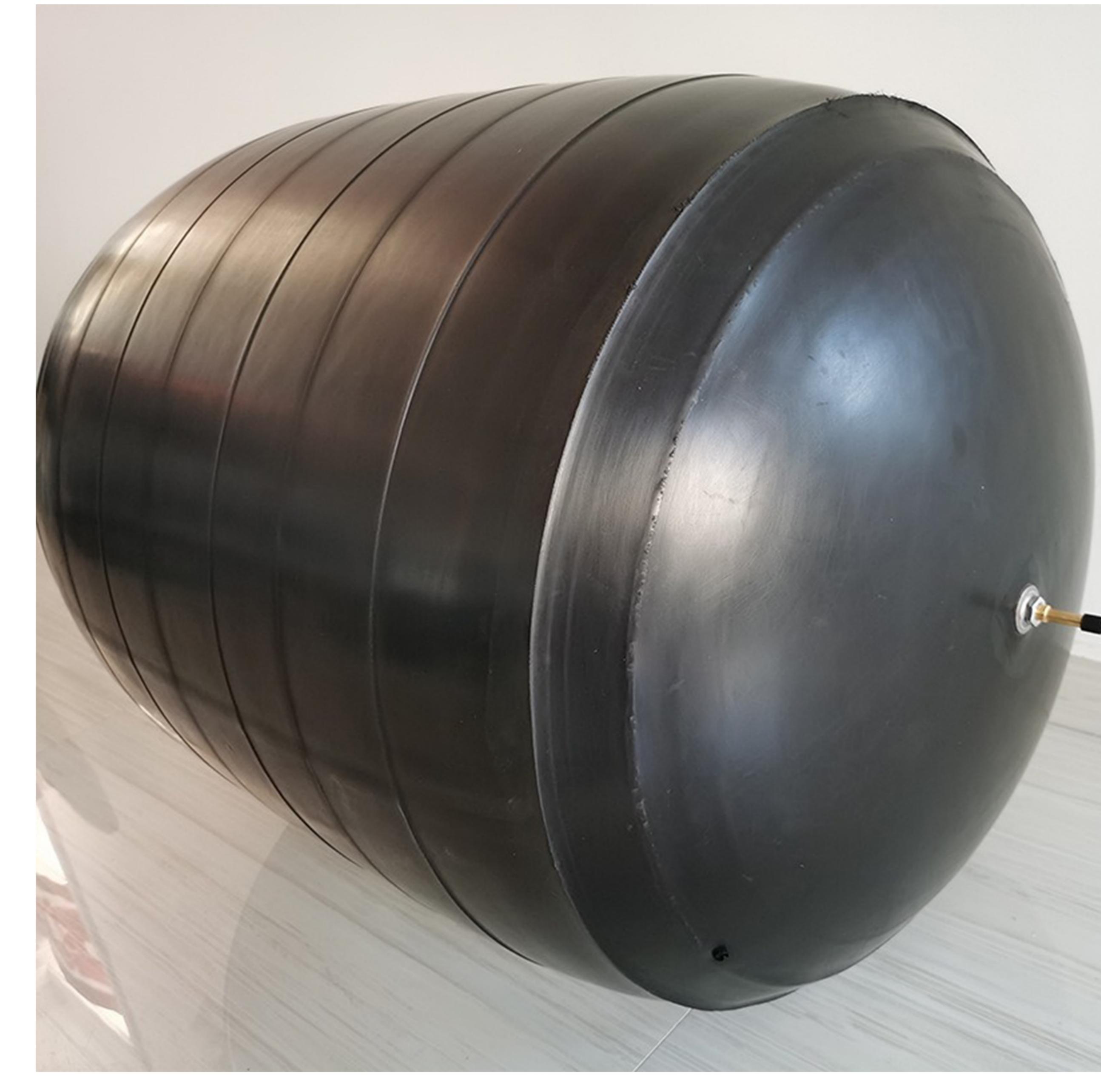






Pipeline small airbag







Quick lock pipeline repair system

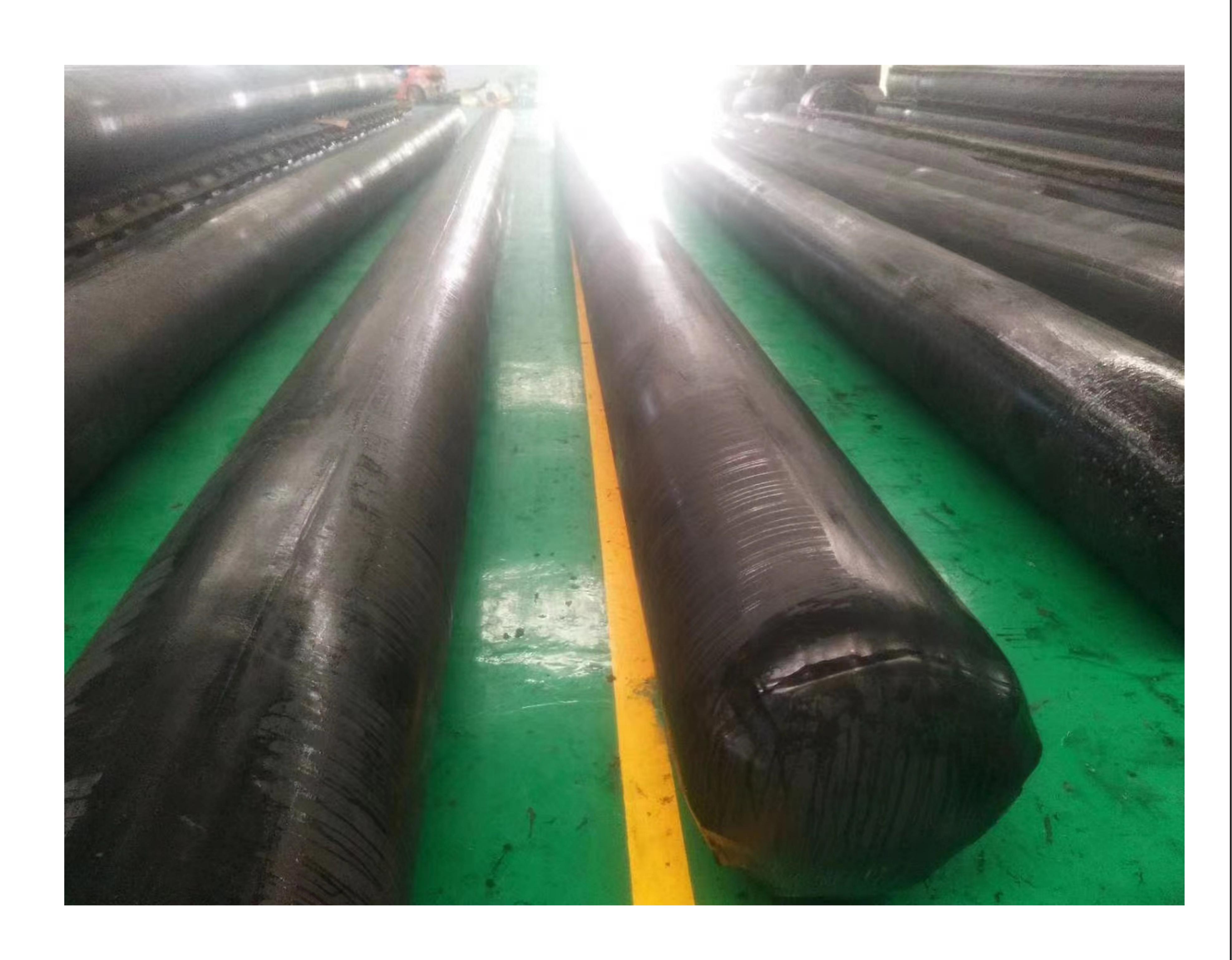
The Quick Lock Pipe Repair System is a device used to quickly repair leaks or damage to pipes. It typically consists of a prefabricated pipe repair kit that can be quickly installed to restore the integrity and functionality of a pipe when it leaks or becomes damaged.

Such systems typically include prefabricated duct kits, sealing materials, fasteners, and installation tools. They are designed for use with a variety of pipe materials and diameters, allowing for quick repairs without lengthy downtime. Quick-lock pipe repair systems are typically easy to install, resistant to corrosion, pressure, and temperature, allowing them to repair pipe leaks quickly and effectively during emergencies.

This kind of system is usually used in industrial pipelines, chemical pipelines, oil pipelines, natural gas pipelines and other occasions that require efficient and rapid repair. They can help companies take quick measures when pipelines leak or are damaged, reduce downtime, reduce losses, and ensure the safe and stable operation of the pipeline system.

Fiber cloth and resin glue for pipeline repair





Concrete pouring core mold

Various types of airbags











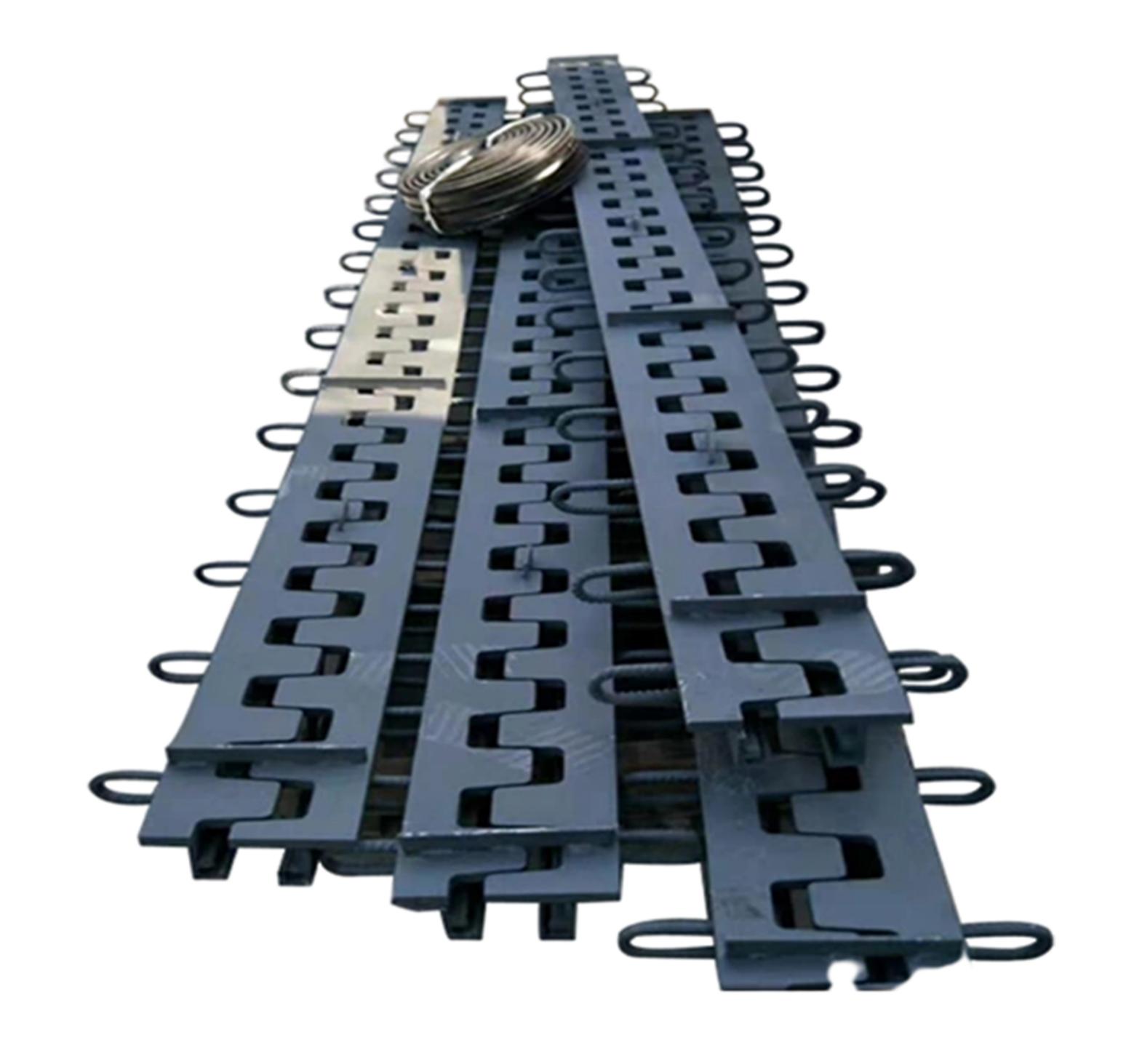




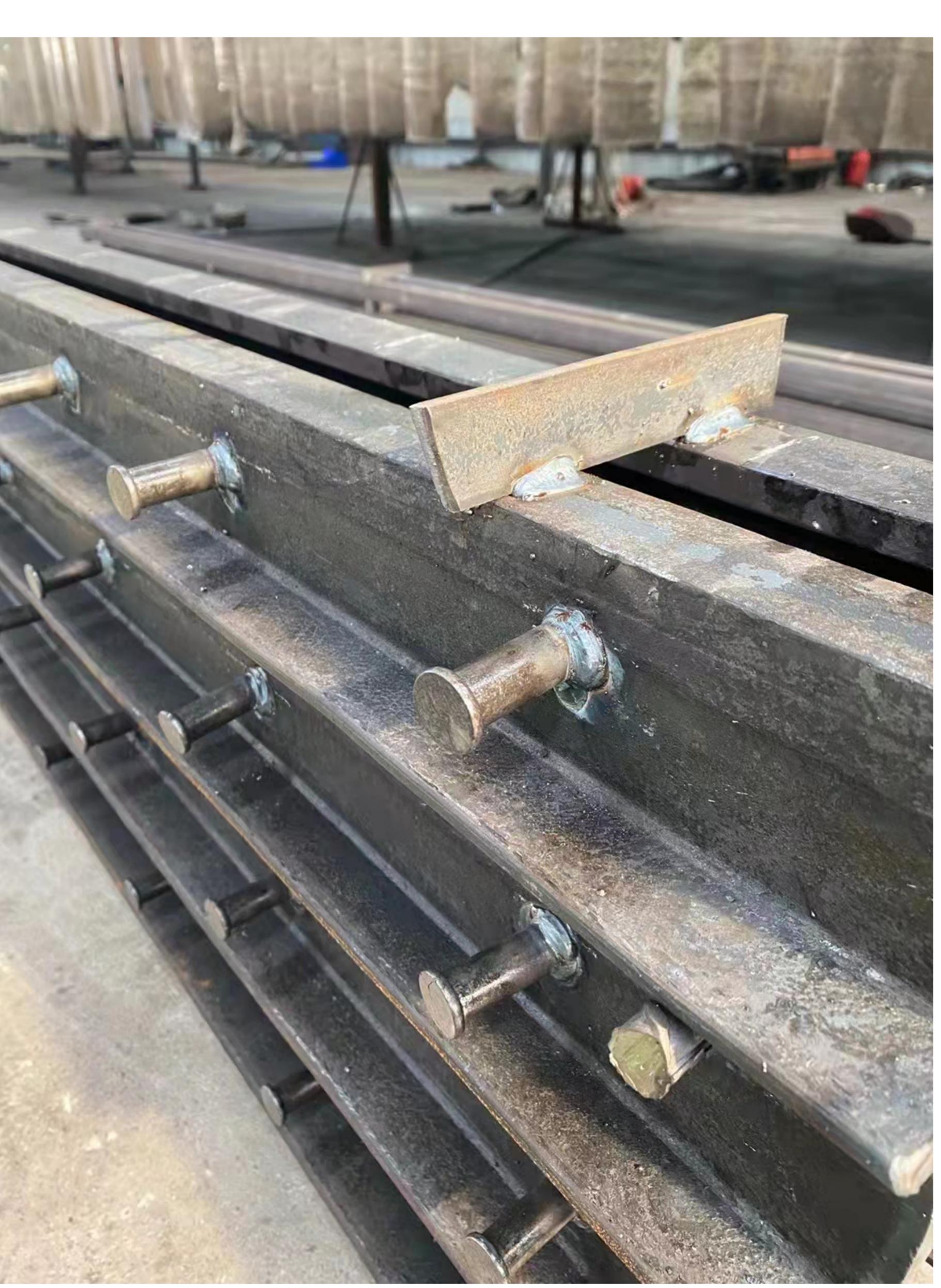
Building isolation rubber pad

Bridge expansion joint









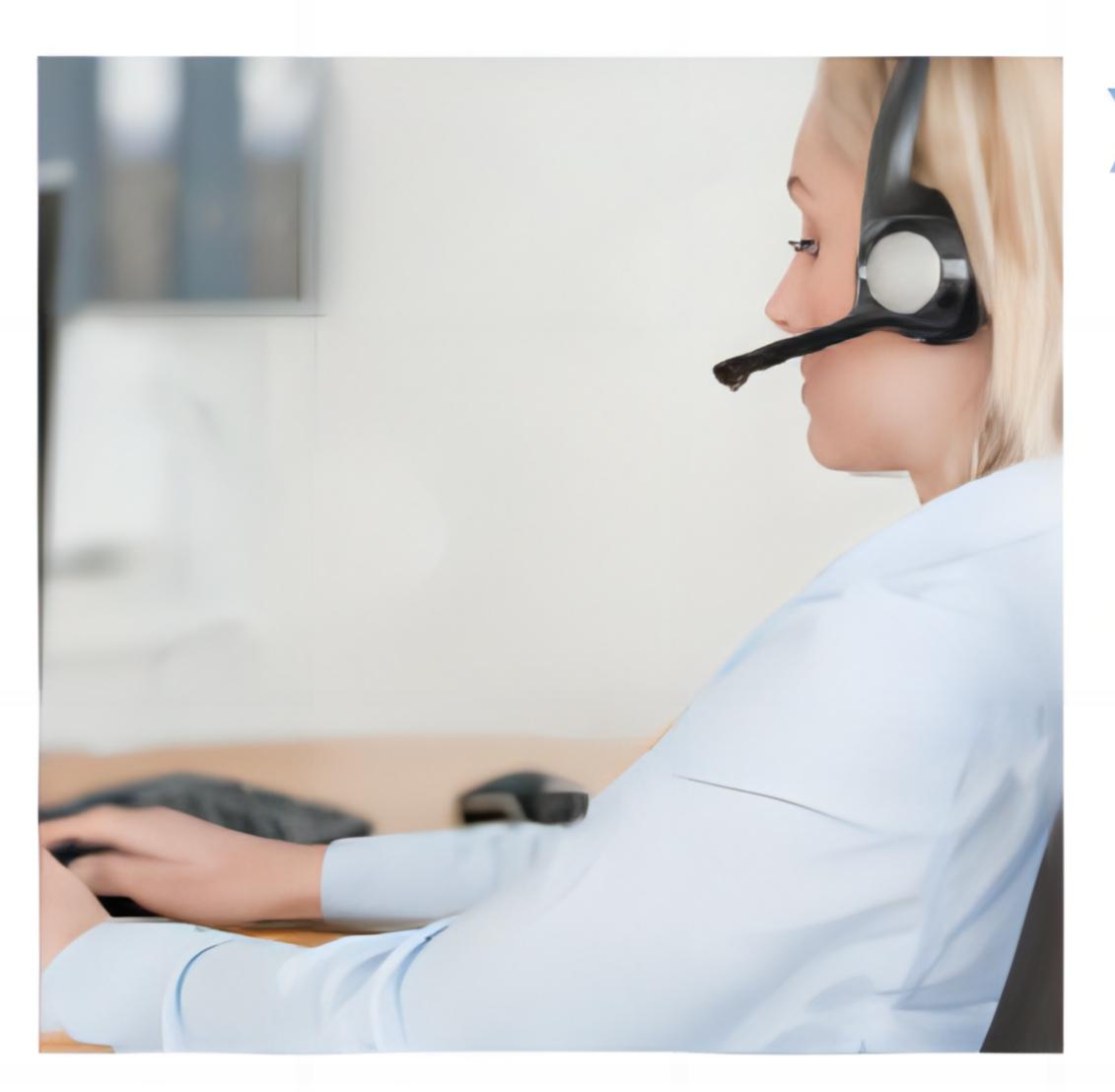
Market expansion





I have been focusing on duct airbag products for 20 years, and committed to providing customers with the best quality products, the most perfect solutions and the most considerate services. At present, our products have been sold to more than 70 countries around the world and have won the unanimous recognition of users from all countries.

Perfect after-sales service



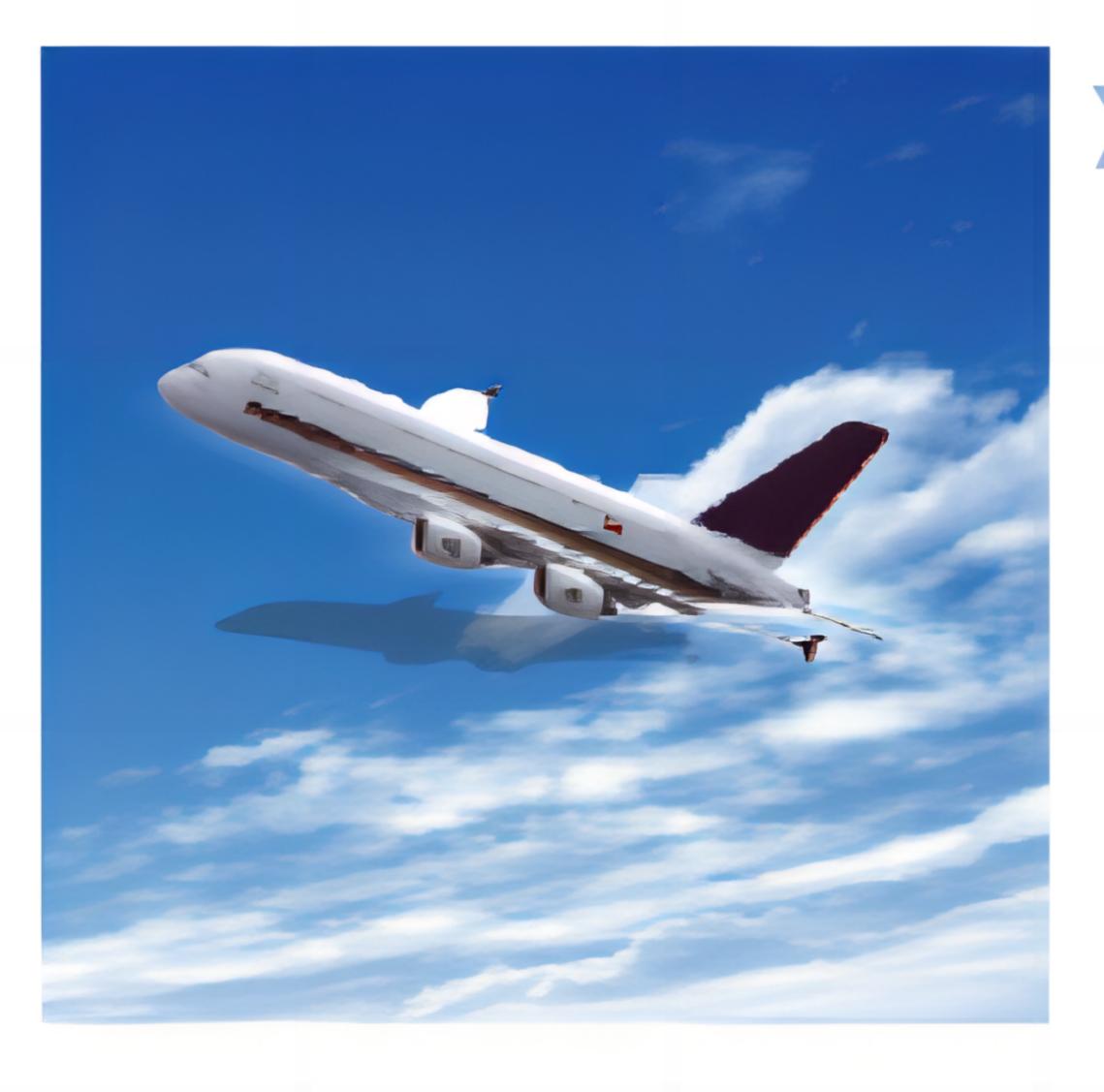


A strong after-sales service team will provide you with perfect after-sales service and solve all kinds of problems for you at the first time.

Mature logistics system









Full range of logistics services by sea, land and air, adjacent to ports and airports, provide you with the best transportation plan.