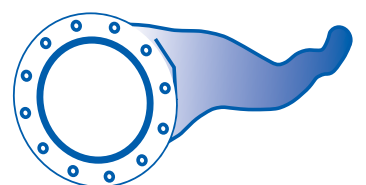


SPECIALISTS IN TRANSMISSION AND FLUID HANDLING



Industrial spills and leaks are a disaster for the economy, for security and for the environment. **INOXSA** offers a range of products that guarantee the secure transfer of fluids without spills.



**Industrial hoses and
couplings**



INOXSA is highly specialized in conduction and transmission fluids, providing a full range of hoses, couplings and specialized products for industries such as the chemical, petrochemical, steel, shipbuilding, marine terminals, food / pharmaceutical, transport tanks, etc..

INOXSA has sales offices in Vitoria-Gasteiz, Seville and Las Palmas de Gran Canaria (Spain), Lisbon (Portugal), Casablanca (Morocco) and Oran (Algeria), and has manufacturing facilities in Toledo (Spain), Rotterdam (Netherlands) and Vicenza (Italy).

We have also just created **INOXSA FENDER**, a division dedicated to providing fenders for docks and boats.

Our philosophy is total customer satisfaction, with particular focus of our strategic development on:

- Specialization.
- Commitment to quality.
- Geographical expansion.

The transformation achieved in recent years has resulted in a sharp increase in turnover, creating new jobs and significant expansion, both domestically and internationally, based on committed and collaborative relationships with our overseas partners.

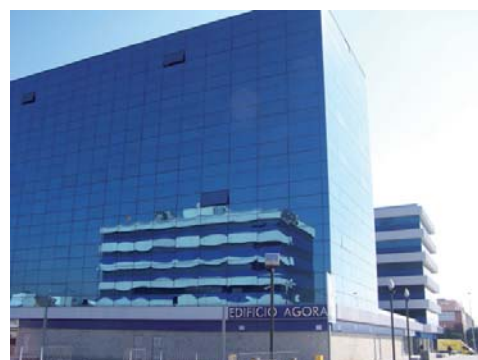
During this process of continued growth and increased competitiveness a prominent role has been played by our strategic development policy.



Certificates ISO 9001:2008.



Vitoria-Gasteiz commercial office



Sevilla commercial office

Reliability, Quality and Efficiency

is what makes us leaders in products, training systems and transmission fluids.



Factories and warehouse



Manufactures

Tecman Group



workshops

Our philosophy of total customer satisfaction makes **INOXSA** one of the companies at the forefront of the industry, which allows us to tackle the challenges of the 21st century.

FLEXIBLE RUBBER HOSES.

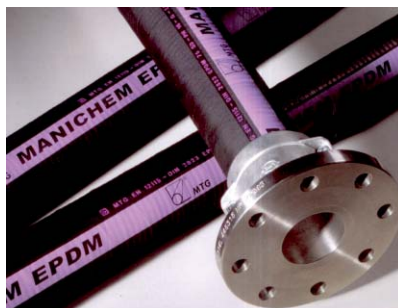
1. INDUSTRIAL.

INOXSA RUBBER HOSES are synonymous with reliability, safety and durability.

Our experience in elastomers, in the most severe conditions, has contributed to our know-how.



The full range of rubber hoses for industrial applications.



Rubber hoses for the transport of chemicals.



Rubber hoses for cooling furnaces in steel mills.



GHIBLI SYSTEM.

Rubber hoses for the transport of abrasive products.

Rubber hoses for high quality food, pharmaceutical and cosmetic industries



2. MARINE TERMINAL.



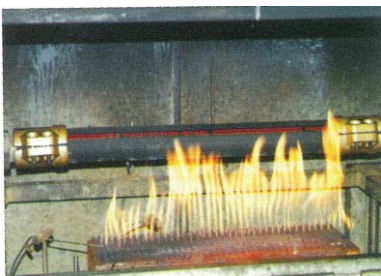
large diameter hoses.



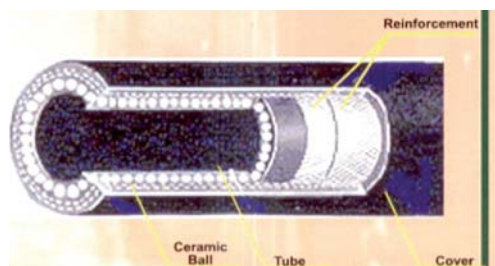
Special hoses for loading and unloading of ships at sea terminals, petroleum products, chemicals, asphalt, abrasives, etc



3. SPECIAL RUBBERS.



Special rubber hose for cooling electric furnaces up to 1,100 ° C.



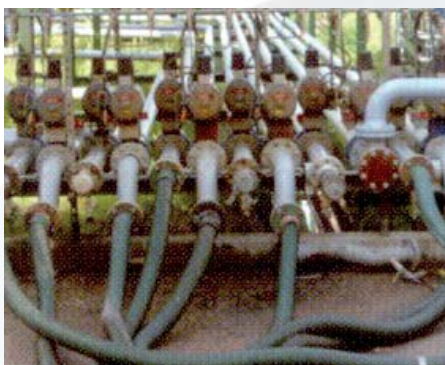
Rubber hose with in-laid ceramic balls for the transportation of abrasive materials.

FLEXIBLE COMPOSITE.

COMPOSITE HOSE FOR CHEMICALS, OIL AND GAS LIQUIDS: TRANSPORT TANKS, PLANTS AND LOADING / UNLOADING OF MARINE VESSEL OPERATIONS, MANUFACTURED AND CERTIFIED IN ACCORDANCE WITH INTERNATIONAL STANDARDS IN 13765:2003, EN 13766:2003 and IMO IBC Code.



GREEN MULTI-CHEM. Hoses for chemicals, designed with interior polypropylene and stainless steel inner coil 316. There are three different types of each model, depending on the pressure and application.



RED MULTI-CHEM. Hoses for chemicals, designed with interior spiral PTFE and 316 stainless steel interior. There are three different types of each model, depending on the pressure and application.



BLACK MULTI-CHEM. Hoses for chemicals designed with interior steel coil polypropylene interior covered polypropylene. There are three different types of each model, depending on the pressure and application.



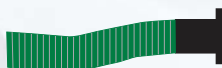
BLACK MULTI-CHEM - PG.



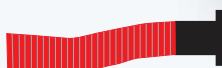
BLACK MULTI-CHEM - PS.



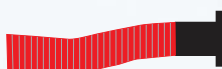
GREEN MULTI-CHEM - SG.



GREEN MULTI-CHEM - SS.



RED MULTI-CHEM - SG.



RED MULTI-CHEM - SS.



YELLOW MULTI-VAPOR. Specially designed for chemicals, as well as for hydrocarbon vapour recovery, on ships and marine terminals.

They can also be used for vapour recovery tanks and transport tanks.

YELLOW MULTI-VAPOR.



MULTI-OIL BLUE. Hoses designed for hydrocarbons, solvents, 100% aromatics, etc. There are three different types of each model, depending on the pressure and application.



MULTI-OIL BLUE - GG.

MULTI L.P.G. WHITE. Specially designed for cryogenic products below -50 degrees C, on ships and marine terminals. In applications with the following products: Ammonia, Acetaldehyde, butadiene, butane, propane, butylene, dimethylamide, Ethylamine, Ethyl Chloride, Methyl Acetylene, Methyl, Bromide Propane, Propadiene, Propylene, Vinyl Chloride, Gas refrigerants.



MULTI L.P.G. WHITE - SS.

MULTI-L.N.G. WHITE. Specially designed for cryogenic products below -196 ° C, for trains, trucks, plants, ships and platforms.



MULTI L.N.G. WHITE - SS.



MULTI-CHEM WHITE. Hose specially designed to be submerged in chemicals. There are three different types of each model, depending on the pressure and application.



MULTI-CHEM WHITE - SWS.

STAINLESS STEEL FLEXIBLE TUBES.

1. CORRUGATED STAINLESS METAL TUBES AISI 316, 304, 321.



The highest quality, flexible stainless steel tubes are supplied with **INOXSA** accessories and assemblies made with precision techniques for applications in standard or user-specific designs. All tubes are tested in our workshop with computer-processed results to ensure total reliability. Innovative production techniques developed for a diverse clientele and a program that offers high-quality, cost-competitive products with very short delivery times.



Even when the **INOXSA** stainless steel tubes carry chemical or petroleum products, super-heated steam or almost any liquids and gases the tubes remain flexible, absorb vibrations and provide protection against fire. Easy to adjust, a flexible stainless steel tube eliminates expansion problems, offering the ideal solution for the treatment of liquids and gases in modern today's industry.



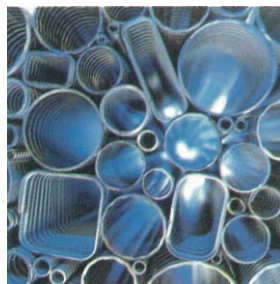
A comprehensive range of flanges, annular threaded connectors, tube end or individually designed accessories can be welded to the flexible tube by TIG welding with stainless steel injection chamber protected by Argon.

THE FIXED PRODUCTION PROCESS GUARANTEES METAL TUBES WITH LONG DURABILITY. THE INDIVIDUALLY CONTROLLED PROCESS ALLOWS THE EXACT HOSE FLEXIBILITY REQUIRED TO BE SELECTED AND, THEREFORE, TO HAVE THE PERFECT PRODUCT FOR EVERY APPLICATION.

2. SPECIAL CRIMPED TUBES. (SPECIAL SECTIONS).

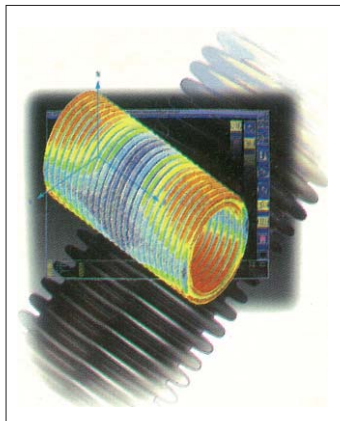


Recognized in international markets for their quality, used in the automotive, electrical, sanitary and construction industries.



3. STAINLESS EXPANSION JOINTS.

Multi-walled expansion joints made for axial, lateral and angular movements. Up to 12,000 mm in diameter.

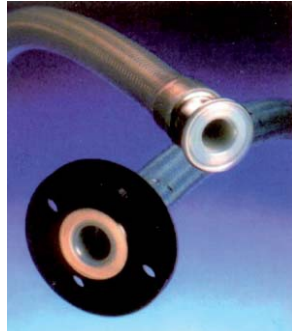


PTFE TUBING.

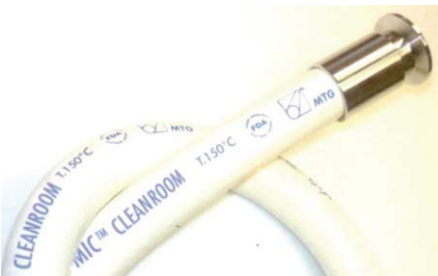
1. PTFE. SMOOTH AND CORRUGATED.



Extruded, seamless PTFE tube.
Minimum porosity and maximum
flexibility. (-70 ° C to + 260 ° C).



Corrugated PTFE hose capable of self-emptying.
It is internationally regarded as one of the best flexible hoses lined with PTFE. It is particularly suited in applications that require the flexible transfer of pharmaceutical products, corrosive chemicals, cosmetics, resins, paints, food and steam.



DYNAMIC ⁺ CLEANROOM.

A Universal hygiene hose specially designed to ensure the highest purity during the transfer of pharmaceutical, cosmetic, food and chemicals in aseptic areas. Built to combine the technical advantages of a PFA fluoropolymer resin with elasticity and thermal resistance of silicone materials. A Fluorinated, ultra-smooth, latest generation hose.



DYNAMIC FLEX TM PTFE .

A Universal health hose designed to carry food products, cosmetics, pharmaceuticals and chemicals. Designed specifically to withstand the dynamic tension that occurs during the transfer of high-purity products. The highly flexible structure makes it an ideal solution particularly for filling machines.

The inert PTFE ensures high impermeability and hygiene, and a contamination-free environment.



PHARMAFLÓN.

A Universal hose designed for suction and delivery of multiple chemicals, pharmaceuticals, cosmetics and food products within the pharmaceutical and cosmetics, biotech and food industries.

It exceeds the security required for high purity transfer in industrial processes. It is equipped with the most waterproof, ultra-smooth, fluorinated interior available on the market.

The non-toxic exterior prevents pollution in the workplace. Excellent resistance to extreme temperatures and good resistance to mechanical stress.



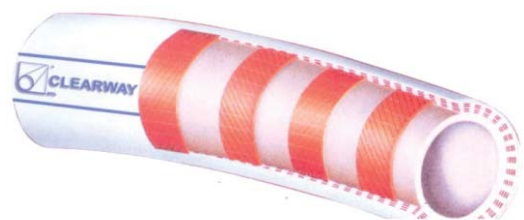
DYNAMIC.™

A Universal health hose designed for the transport of food products, cosmetics and pharmaceutical chemicals.

Built specifically to withstand the dynamic tension of high purity transfer.

Particularly suitable for use on filling machines.

A Fluorinated, ultra-smooth and inert range of the latest generation ensures a high degree of impermeability and an absolutely hygienic and pollution free environment.



CLEARWAY-D.

A Silicone Hose designed to deliver high purity products and food and beverage products with up to 96% concentration.

Usually used in food, pharmaceutical and cosmetic processes.

Because of its application in sterile environments, Clearway hose is manufactured with the utmost care that begins with the accurate selection of high purity ingredients, combined with stock procedures and final treatment of the product after the curing (vulcanization) process to remove any residue.



DYNAMIC™ SAFE-TECH.

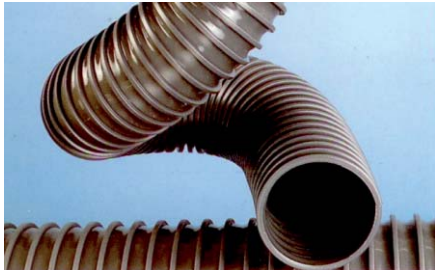
A Universal "Full Ohm" hose designed specifically to carry cosmetic, pharmaceutical and highly flammable chemicals in work areas that require maximum security.

Built to ensure the dissipation of electrostatic currents not only superficially, but also through the wall of the hose. (Resistance: $<10^5$).

A Fluorinated, ultra-smooth, latest generation hose that ensures a high degree of impermeability and dynamic tensile strength, with a hygienic and pollution-free environment.

FLEXIBLE PLASTIC HOSE.

1. THERMOPLASTICS, PLASTICS.



PVC hose reinforced with ribbed and with a squared, rigid PVC exterior.

Able to bend with maximum flexibility.

It comes in diameters from 100 mm to 300 mm.

Utilisation: Suction and discharge of air, smoke, gases and chips.



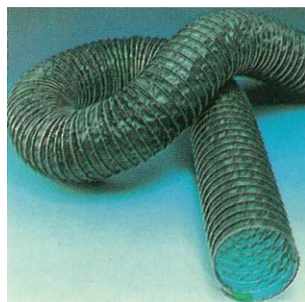
SBR hose with special polymers, antistatic.

Resistant to temperature changes, sunlight, ozone, and humidity.

Utilisation: Suction of dry, very abrasive material, stone, sand, cement, coal, dirt, chips, iron filings.



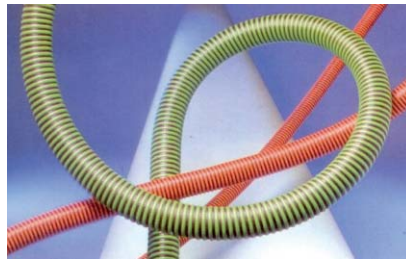
Polyurethane hoses for transporting highly abrasive materials, high resistance to aging, very flexible and transparent.



Special plastic hoses for air, up to 1000 ° C.



Flexible PVC hose with rigid PVC spiral.
Transparent yellow, smooth exterior and interior.
It comes in diameters from 20 M-M to 200 M-M.
Utilisation: Absorption and delivery of liquids, industrial and agricultural irrigation.



Textile-reinforced EPDM hose with polyethylene spiral exterior.
Non-toxic, resistant to abrasion, withstands greater pressure with more flexibility whilst being lightweight.
If it collapses, it recovers 90% of the original shape.
It comes in diameters from 32 M-M to 100 M-M.
Utilisation: Transfer of liquids.



Flexible PVC hose with rigid PVC spiral.
Gray, reinforced, with smooth interior.
Resistant to abrasion, corrosion and weather effects.
It comes in diameters from 40 M-M to 200 M-M.
Utilisation: Suction and discharge of granular material, slurry solids and liquids.



Flexible PVC hose with rigid PVC spiral, blue, completely smooth interior.
It comes in diameters from 30 M-M to 200 M-M.
Utilisation: Transfer of oil, foodstuffs, non-toxic materials.



Transparent flexible PVC hose reinforced with steel spiral embedded in the wall, for the suction and discharge of fluids containing material.



Telescopic flexible hoses, made of fireproof, coloured sheets (yellow or black), wire mesh support thermoplasticized on polyester and reinforced with spiral wire externally coated steel welded to the hose itself.

These hoses are designed for suction and discharge of large volumes of air at low pressure and are used to gravity-transfer bulk powders such as cement, gypsum, lime, etc.. Up to a maximum temperature range of + 50 ° C.



Also available for GAS
at 20 bar operating
pressure.



QUICK LINKS. .

TODOMATIC.

Ensure the transfer of fluids without spills. Couplings are used in petroleum industries, paints, food, aerospace and generally all applications that require safe, economical and environmentally friendly liquid handling.



SNAPLOCK.

Cam Action Links are probably the most used quick-release couplings in the world because of their wide variety of applications. Flexibility, security and speed. Used in any industry that uses fluids, powders or gases.



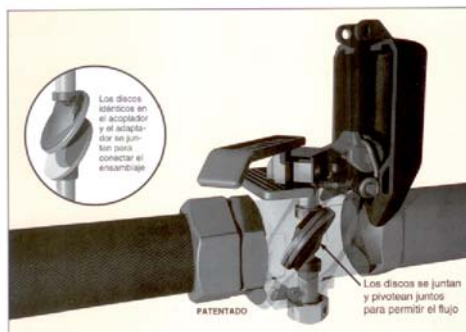
Snaplock
Safety Links.

Snaplock Cleanbreak.

To make Quick and easy dry disconnects.

Dry Coupling Link.

Coupling without dripping.



DRY-LINK.

A drip-free coupling ideal for use with high viscosity fluids, as well as vertical lines, because of their total safety.

BARCELONA.

They are used in fire-fighting services such as fire hydrants, in hoses and nozzles for fire brigade.



EXPRESS.

These symmetrical fittings are used for applications involving compressed air or general uses.



VK AND MK.

Tank truck coupling according to DIN 28450



GUILLEMIN.

Symmetric coupling in aluminum, stainless steel, bronze (brass) and polypropylene.



BALL AND SCOKET JOINT.

They are suitable for applications in agriculture, industry, public construction, transportation and drawing-off water.



QUICK LINKS.

A fast connection, an immediate solution without losses.

Materials:

High-strength steel, bronze, aluminum, stainless steel and plastic.



STORZ.

They are used for applications in oil, powders, irrigation, submersible pumps, and pumps in fire-fighting applications.



Multi-walled expansion joints made for axial, lateral and angular movements.

Expansion Joints are components that maintain their flexibility to permanently separate when installed in pipe and duct systems, absorbing the expansions which arise as a result of temperature differences.

Expansion Joints are flexible, and depending on their construction materials and thickness, they can work from high temperatures to below zero degrees centigrade. They can carry reasonably chemically-aggressive fluids and remain operational under vacuum or internal system pressure.

The pressures of the bellows can reach PN 63 depending on their diameter.

Application temperatures depend on the material used in their manufacture.

The standard manufacture of the bellows is from stainless steel W.Nr. 1.4541 (TP 321), but it can also be made from W.Nr. 1.4571 (TP 316 Ti), W.Nr. 1.4404 (TP 316), the material W.Nr. 1.4828 is for temperatures above 550 ° C, and Inconel 625 and Incoloy 825 for special applications depending on their metallic properties.

Expansion Joints are regularly workshop tested, undergoing seal, pneumatic or hydrostatic tests and welding tests by means of dye penetration.

EXPANSION JOINTS.

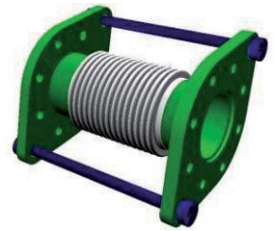
1. STAINLESS STEEL EXPANSION COMPENSATOR.



ARTICULATED
BY BOLTS



SHAFT



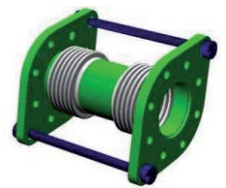
INDIVIDUAL WITH
TIE RODS



INDIVIDUAL
WITHOUT
TIE RODS

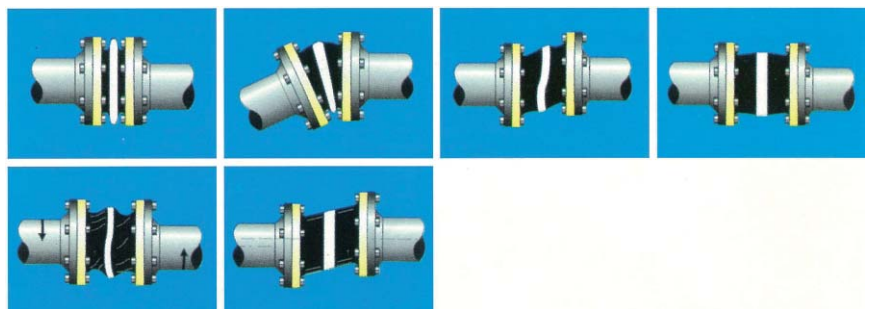


UNIVERSAL

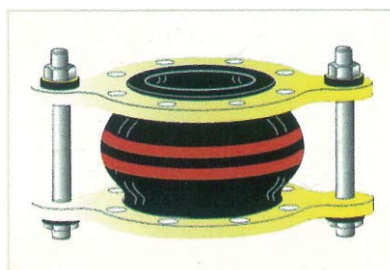


UNIVERSAL WITH
TIE RODS

2. RUBBER EXPANSION COMPENSATORS .

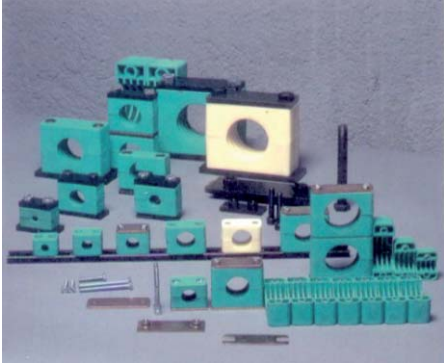


DN 32 / DN 300 570 psi 500 mm Hg vacuum.
Absorption of vibration, noise and linear movements.



OTHER PRODUCTS.

1. CLAMPS.



Rigid pipe clamps.
Manufactured in polypropylene,
polyamide, aluminum, according to
DIN 3015, series light, heavy and in
double.

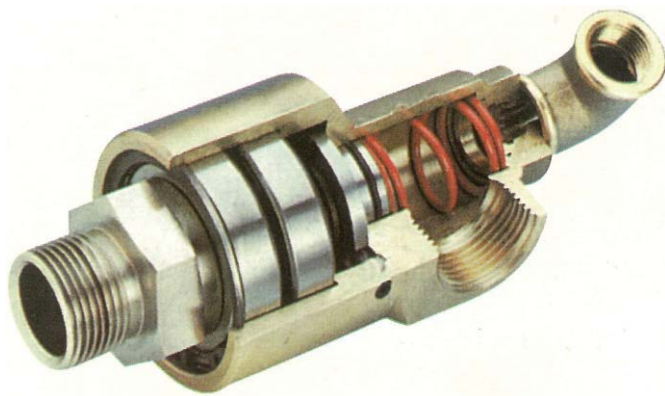


Security Clamp Couplings to DIN
2826 and DIN 2817.



2. ROTARY JOINTS.

Diameters from 1/4 to 5 "
Water up to 315 ° C
Oil to 315 ° C
Steam to 315 ° C
Air to 175 ° C

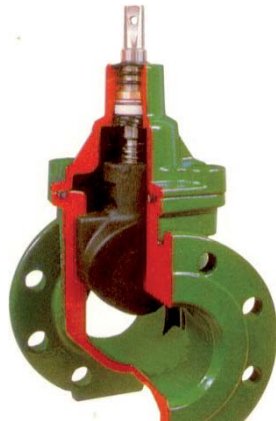


OTHER PRODUCTS.

3. VALVES.

GATE VALVES.

Elastic closure BV-05-47.
Heating, cooling and drinking water,
and wastewater applications.



WAFFER TYPE BUTTERFLY VALVE, LUG, ETC...



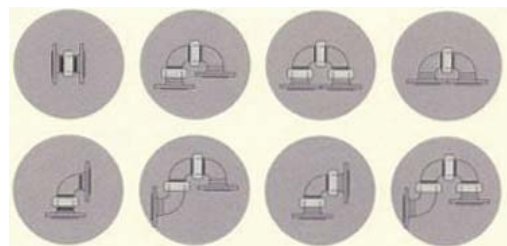
BALL VALVES.

2-3 way ball valves. Full bore, reduced bore,
brass and stainless steel.



4. BALL AND SOCKET JOINTS.

Diameters from 1 "to 8"
Pressures to 1000 psi.
Wide range of end combinations.



OTHER PRODUCTS.

4. TECHNICAL PROTECTION.

THERMAL PROTECTIVE COVER.

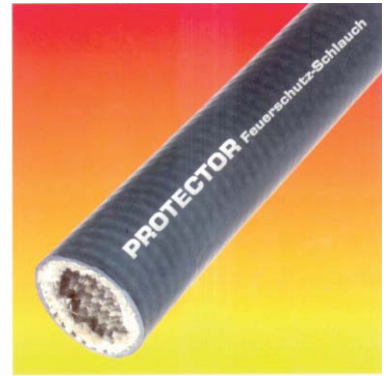
SILICATE.

Silicate products (1200 ° C):
Blankets, band, tubular
sheaths, cords, etc



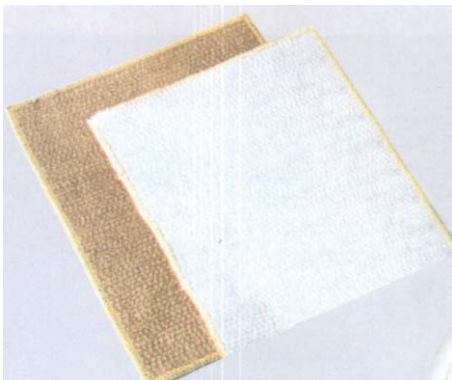
THERMAL PROTECTIVE COVER.

Resistant to constant temperatures of > 700 ° C.



CERAMIC FIBERS. (+900° C):

Blankets, cords, gaskets,
tubular sheaths, etc...



FIBERGLASS. (+500° C):

Bands, blankets, gaskets, cords, etc...



NAVAL DIVISION.

5. FENDERS FOR DOCKS AND BOATS (TUG FENDERS).

FENDER INOXSA is a division dedicated to providing Docks and Boat Fenders: Tug fenders, Tyres, hydropneumatic, Nova Cone, Cell, Type Z, Arco, Keystone and roll, and Offshore and Marine Buoys products.

AIR DEFENSE TYPE HPF.



6. LOADING ARMS

INOXSA offers a wide range of loading arms, according to the client's needs.



Included in this category are bottom loading arms, top loading arms, carbon steel arms, AISI 304, AISI 316, vapor recovery, floating, Telescopic, LPG stations, LPG arms, asphalt and marine arms.



- Oil-loading arms with vapor recovery system (API couplers).
- Valves, fittings and safety components.
- Loading arms for transferring fuels, liquefied gas and oil.
- Loading arms for the chemical and food industry.
- Equipment for tank truck and rail.
- Marine.

Our industry-specific knowledge of fluid dynamics is the best solution to the challenges raised by the constant manipulation of flexible pipes and couplings.