

One Source

FLSmidth® LUDOFLEX™ Rubber and Ceramic Lined Material handling Hoses

Expertise, Quality and Performance



Our superior performing products are designed to suit the harshest applications



FLSmidth Hose and Rubber products are crafted using expert techniques and high quality materials.

FLSmidth LUDOFLEX™ products has long been the provider of choice for many Australian mining operations. Our technicians proudly ensure that our products are manufactured to a precision finish. With more than 100 years' experience, FLSmidth Hose and Rubber is a leading developer and manufacturer of high-quality hoses, hose assemblies and rubber lining products for a broad range of industrial and commercial applications.

Our LUDOFLEX™ mining hoses are reliable and ultra-durable due to the innovative use of modern wear liners, superior rubber and reinforcing materials. While our products are tried and proven, at FLSmidth we believe in pushing the boundaries of innovation and welcome new applications for our products. Our dedicated Customer Service and Product Specialist teams are available to work with our clients to provide quality service and smart cost saving solutions.

Our products can be delivered worldwide and come ready to install on site. All hoses are built to meet the exact requirements of each client.

Materials:

At FLSmidth we believe quality products come from using quality materials.

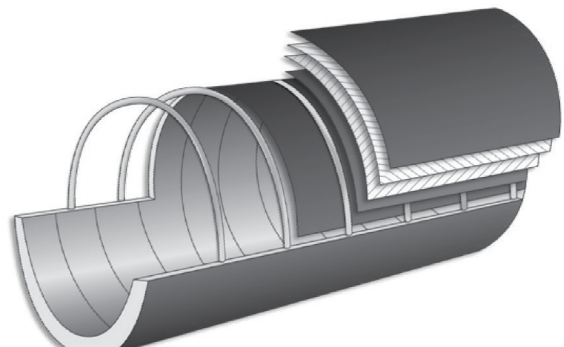
Our various designs use a wide selection of materials to produce superior products. Below are some of the material options available:

- Natural Rubber
- Wear Resistant Liners (Ceramic)
- Fire Resistant (FRAS) Rubber
- Wire and Non Wire Reinforcement
- Neoprene Rubber
- Nitrile Rubber
- Ethylene Propylene Diene Monomer (EPDM) Rubber
- Chlorobutyl Rubber

Our superior performing products are designed to suit the harshest applications.

Material Handling Hoses

FLSmidth manufactures a wide range of high quality, material handling hoses which are suitable for use in a wide range of abrasive slurry applications, from hard rock mining and mineral sands, to waste and refuse handling. We have the hose to suit your needs.



Products & Services

LUDOFLEX™ Ceramic Lined Hoses and Bends

For more arduous applications exposed to extremely high wear, FLSmidth developed a flexible hose with a high alumina ceramic matrix which can achieve the same bend radius as that of standard rubber mine hose.



Optional Extras: LUDOFLEX™ Ceramic Lined Spools / Off-takes / Lifting Lugs

We can custom build a hose for just about anything such as; reducers or hoses with special fittings including branches, off-takes, wear indicator systems or lifting lugs.



Customised Expansion Joints

We offer customised expansion joints to assist in optimising vibration dampening and isolation. They will also accommodate the misalignment of pipeline connections. Some custom designs include:

- Filled or Unfilled Arches
- Single or Multiple Arches
- Customised Flanges and Retaining Rods



Products & Services

LUDOFLEX™ Dredge Hose

FLSmidth manufactures and supplies a wide range of material handling hoses specifically designed to deliver optimal suction or discharge in heavy duty dredging and cement applications.



Muff Coupling Hose

Our muff coupling hose is specifically designed to handle pressure in the transfer of the most abrasive material including bulk, and slurry.



Preformed Hose Bend

FLSmidth manufactures preformed hose that comprise high quality precision-moulded units in a range of diameters, bend angles and radius configurations to suit different suction and discharge needs.

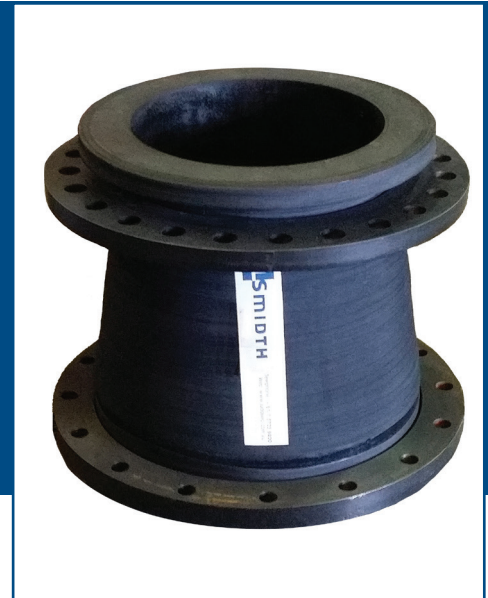


Products & Services

Custom LUDOFLEX™ Hose Reducers

FLSmidth custom manufactures hose reducers to meet client specific requirements. These reducers are available as concentric or eccentric with or without piping off-takes and can also be ceramic lined.

They accommodate misalignment and vibration issues with current pipework and are ideal for retro-fitted pump applications.



Victaulic Spigots Ends

Victaulic spigot ends offer a faster installation and are designed for reliable operation. Couplings connect to your existing infrastructure via grooved and shouldered pipes.

Victaulic ends are reusable and can be easily disconnected for rotation which increases wear life or for reuse elsewhere.

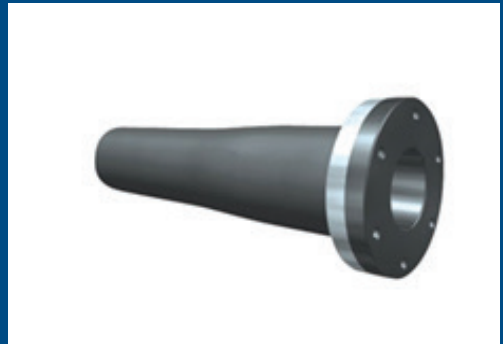


End Connections

FLSmidth® Krebs® can manufacture hoses with many types of end connections. If you don't see what you need in this brochure contact us for more information on end connections.

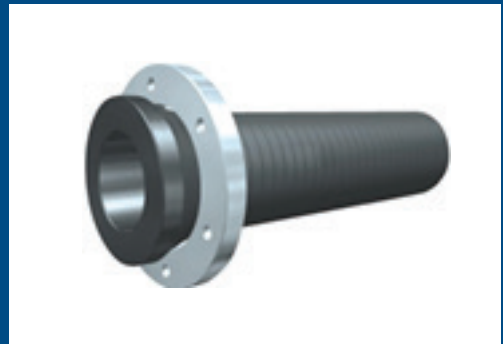
Fixed Flanges

FLSmidth fixed flanges provide quick, economical and hard-wearing connections in medium to high pressure applications. The reinforcing plies and tube liner are vulcanised to the outer face of the steel flange to securely seal connections between the hose and other fittings. The flange can also be enclosed with reinforcing ply and rubber as a safeguard in corrosive applications.



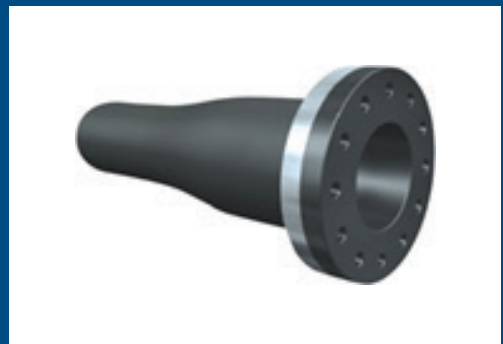
Beaded Flanges

Our beaded flanges allow the flange or hose to be rotated in place on site. This ensures simple bolt hole alignment and better management of abrasive wear to optimize hose life.



Reinforced Spigot Flanges

Reinforced spigot flanges are especially suited for high pressure, heavy duty applications in mining and dredging. The tube liner, reinforcing and outer cover are vulcanised to the in-built outer tail, ensuring that the hose is able to withstand substantial end pull.



Square Flange

FLSmidth Square flanges provide alternative connection options and in medium to high pressure applications. They can be supplied as Square to Round or Square to Square.



FLSmidth LUDOFLEX™ Hose and Rubber Products: Expertise, Quality and performance

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All of our hoses are custom made to your requirements. If your hose is outside of the below specifications or you have further enquiries please contact our Product Specialists for information.

Nominal Bore- ID Inside Diameter	Rubber Min/Max NB: 40mm - 1200mm
	Ceramic Min/Max NB: 60mm - 1200mm
Safety Factor	4:1
Hose Length	Maximum Length: 12m
Working Pressure	Maximum kPa: up to 3150 (452Psi)
Construction Materials	Natural Rubber
	Neoprene Rubber
	Fire Resistant (FRAS) Neoprene Rubber
	Nitrile Rubber
	Ethylene Propylene Diene Monomer (EPDM) Rubber
	Chlorobutyl Rubber
	Poly Urethane
High Alumina Ceramic	

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For more information about our Hose and Rubber products please contact our **Queensland Sales Office**

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