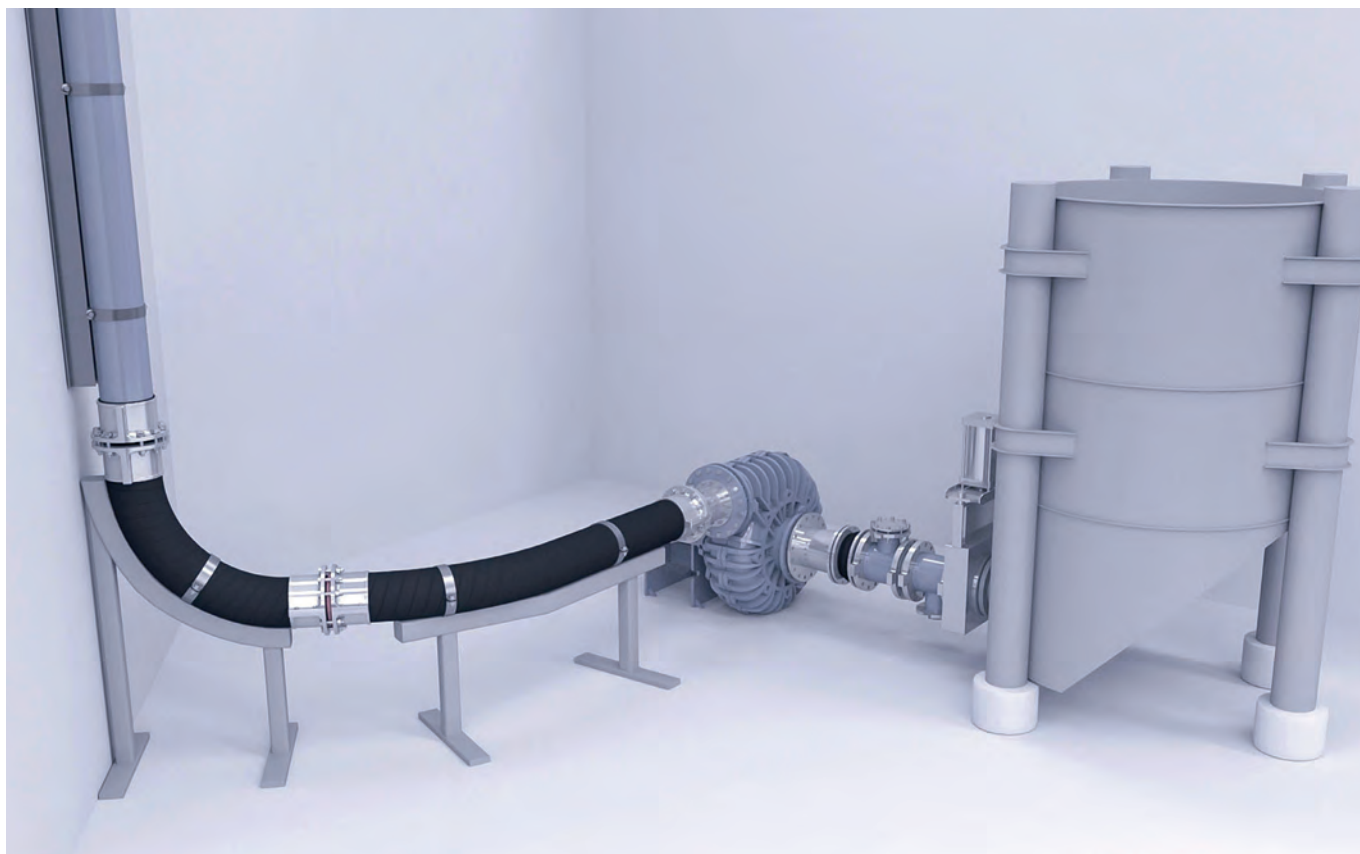


Slurry hose system



Simple
and durable
solutions





Principle figure showing Metso slurry hose system with support beam.

Components and system description

The system

Metso slurry hose systems are designed to meet customer specifications. The standard components are easily exchangeable and manufactured to meet strict quality and safety standards.

Our hoses, couplings, bends, reducers, gaskets and rubber lined pipes offer superior wear resistance when handling abrasive slurry material.

We've installed our systems on many applications in the mining industry. These installations expand globally from concentration plants, sand, lime and glass plants to quarries, coal preparation plants and many more. This extensive and unique knowledge, gives us a qualified position in the field of slurry handling solutions.





Material handling slurry hose's T40 and T60

Material handling hoses are used for slurry handling in the mineral processing industry, coal refinement plants, power plants in the steel and cement industries and other applications where high wear resistance combined with flexibility and vibration reduction is required.

Material handling slurry hose T40

Product description

The material handling slurry hose is made from Trellex natural rubber. It is reinforced with cord and embedded galvanized steel wire spirals.

Areas of use

Transport of extremely abrasive materials. T40 is used for slurries containing particles up to 10 mm in size.

Material handling slurry/bulk hose T60

Product description

The material handling slurry/bulk hose is made from Trellex SBR rubber and are reinforced with cord and embedded galvanized steel wires.

Areas of use

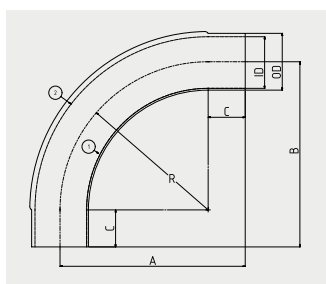
Transport of abrasive material over 10 mm in size or pneumatic bulk service.





3xD Bends 90° and 45°

3xD Bends 90° are used for slurry handling in heavy wear applications in the mining processing industry, coal refinement plants, power plants in the steel and cement industries and other applications where high wear resistance is required.

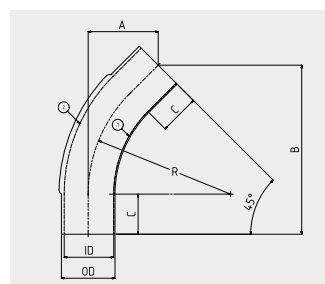


Product description

3xD bends 90° are made completely of Trellex rubber, cord reinforced and with a fully embedded galvanized steel wire spiral.

Areas of use

3xD bends 90° are intended for use in tight spaces where ordinary Trellex hoses can't be bent enough. For optimum wear economy, the outer bend has a >30% thicker wear tube than the inner bend. Can be straightened to 60°.



Product description

3xD bends 45° are made completely of Trellex rubber, cord reinforced and with a fully embedded galvanized steel wire spiral.

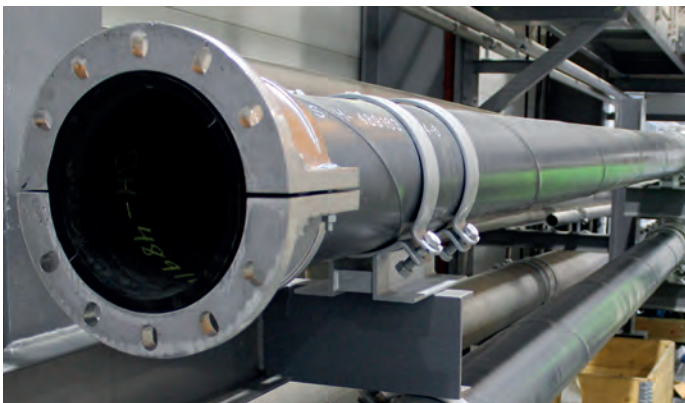
Areas of use

3xD bends 45° are intended for use in tight spaces where ordinary Trellex hoses can't be bent enough. For optimum wear economy, the outer bend has a >30% thicker wear tube than the inner bend. Can be bent to 55°.



Rubber lined steel pipe

Rubber lined steel pipes are used in the mining processing industry, coal refinement plants, power plants in the steel and cement industries and other applications where high wear resistance is required.



Product description

Rubber lined steel pipes for hydraulic applications are lined with a natural rubber of quality Trellex T50.

Areas of use

Pumping of extremely abrasive materials.



Branch pipes Y45, Y60 and K45

Branch pipes are used in the mining processing industry, coal refinement plants, power plants in the steel and cement industries and other applications where high wear resistance is required.

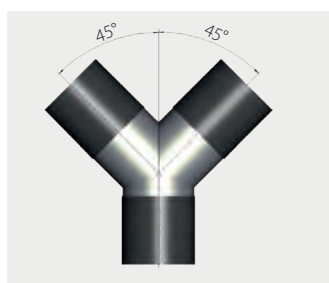


Product description

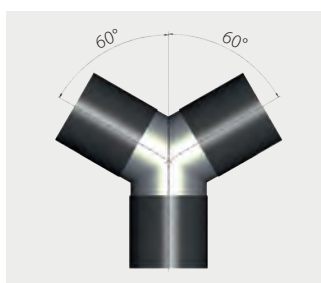
Branch pipes Y45, Y60 and K45 are lined with a natural rubber of quality Trellex T50. The pipes are prepared to fit Trellex couplings.

Areas of use

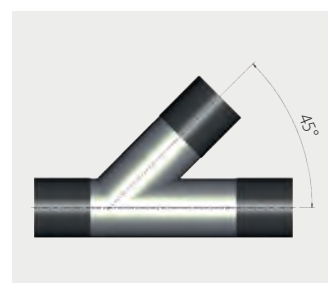
Pumping of extremely abrasive materials.



Branch pipe Y45



Branch pipe Y60



Branch pipe K45

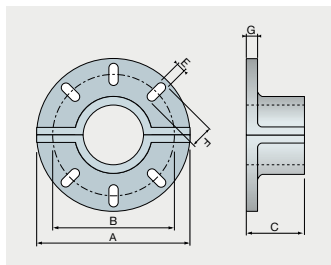


Couplings

Couplings are designed for use with hoses, bends and rubber lined steel pipes for slurry handling in heavy wear applications.

Product description

The split flange couplings are made of high strength aluminum from Trellex. The couplings consist of two or four identical segments which are mounted mechanically on the smooth hose.



Areas of use

Pumping of extremely abrasive materials.

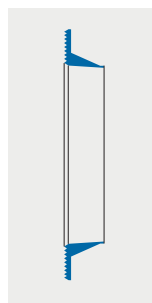


Gaskets

Gaskets are designed for use with couplings, together with hoses, bends and rubber lined steel pipes for slurry handling in heavy wear applications.

Product description

The conical gasket is designed for use together with Trellex hoses, bends and rubber lined steel pipes. Together with the



coupling, the gasket ensures completely sealed couplings while retaining full inner diameter.

Areas of use

Pumping of extremely abrasive materials.



Clamps

Clamps are used to mount material handling hoses and rubber lined steel pipes in the mineral processing industry, coal refinement plants, power plants and cement factories.

Product description

Clamps are made of galvanized steel.

Area of use

Steel clamps are used to fix hoses or pipes to the support beam. It is particularly important for the hose to be fixed to the supporting beam at bends and wherever long lengths of hose are used.

Sliding clamps

Sliding clamps are used to mount rubber lined steel pipes in the mineral processing industry, coal refinement plants, power plants and cement factories.

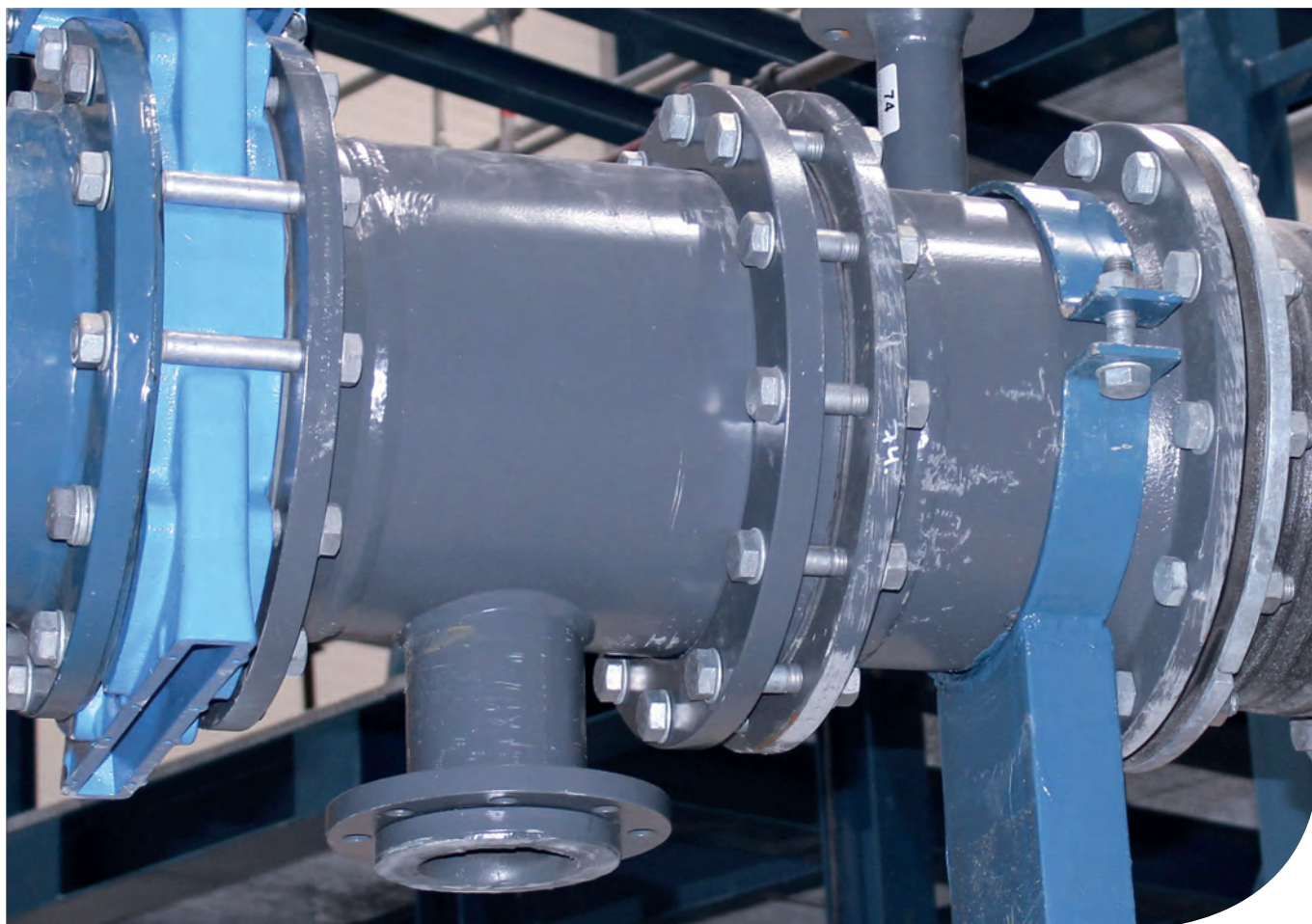
Product description

Sliding clamps are made of galvanized steel.

Area of use

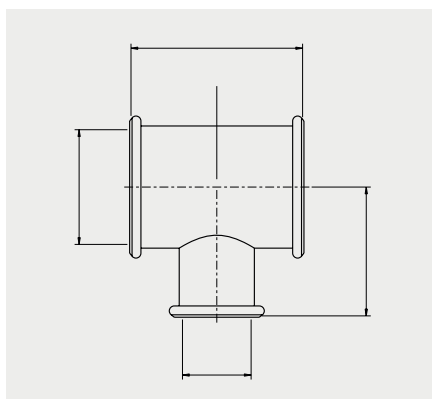
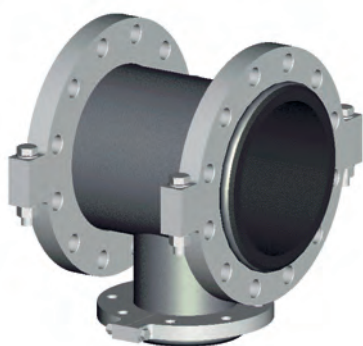
Sliding clamps are used to fix pipes to support beam. It is important that rubber lined steel pipes have the ability to move due to temperature variations.





Branch pipes T90

Branch pipes are used in the mining processing industry, coal refinement plants, power plants in the steel and cement industries and other applications where high wear resistance is required.

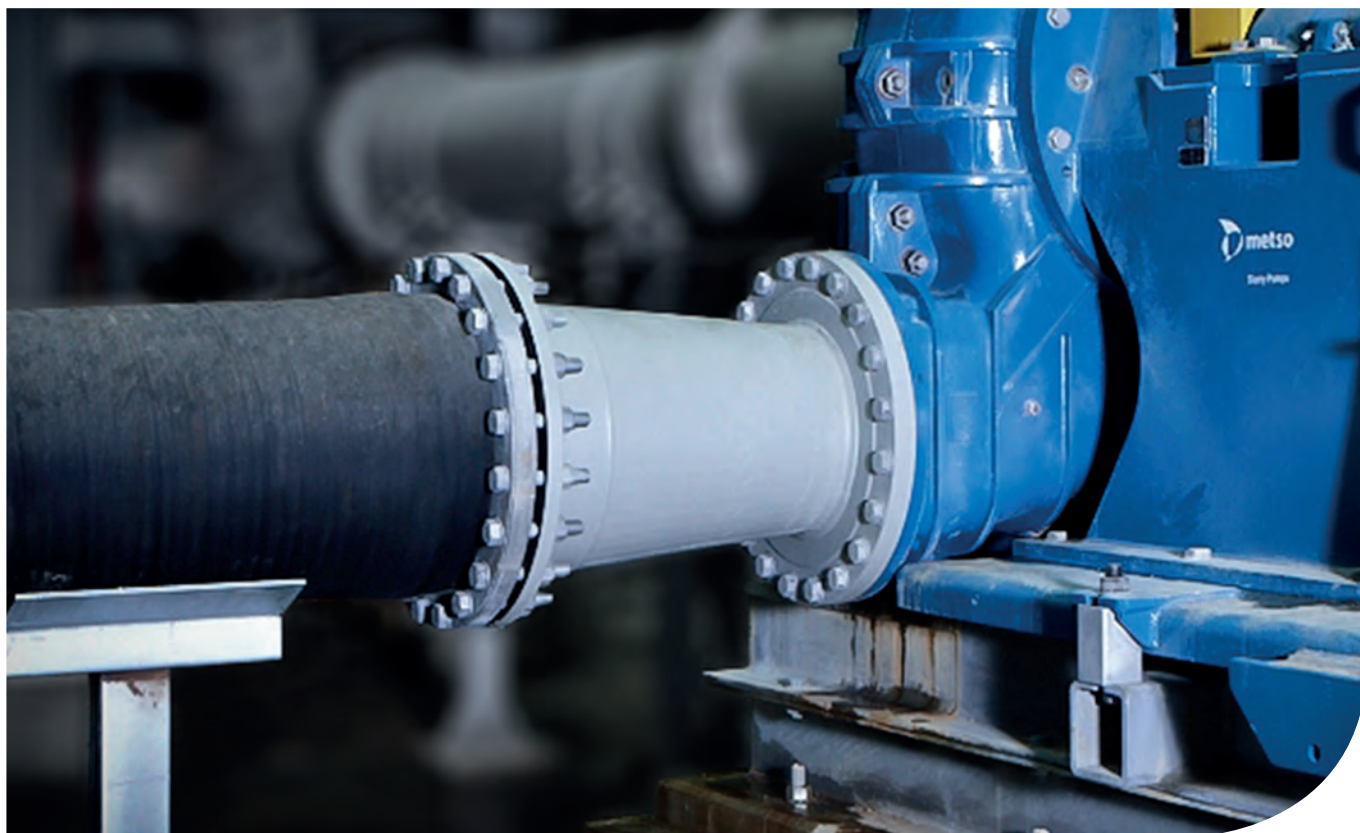


Product description

Branch pipes T90 are lined with a natural rubber of quality Trellex T50.

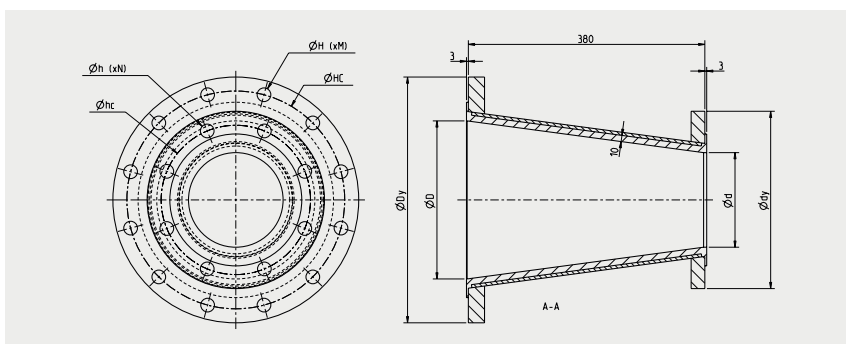
Areas of use

Pumping of extremely abrasive materials.



Concentric DIN and ASME rubber lined steel reducers

Rubber lined steel reducers provide a transition between different diameter pipes or hoses to compensate for changes in flow velocity.

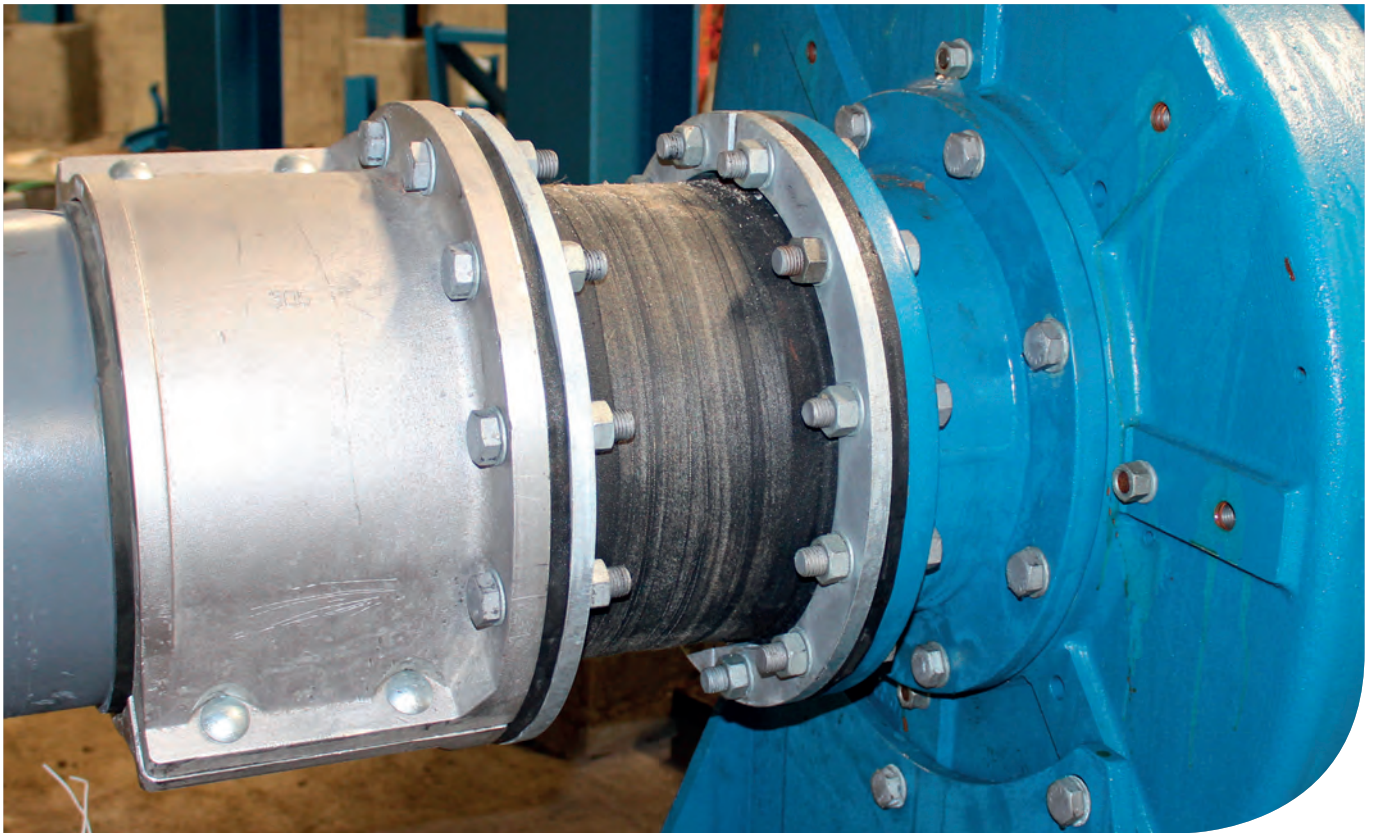


Product description

Rubber lined steel reducers are fabricated from rolled and welded steel sheets, lined with Trellex T50 rubber.

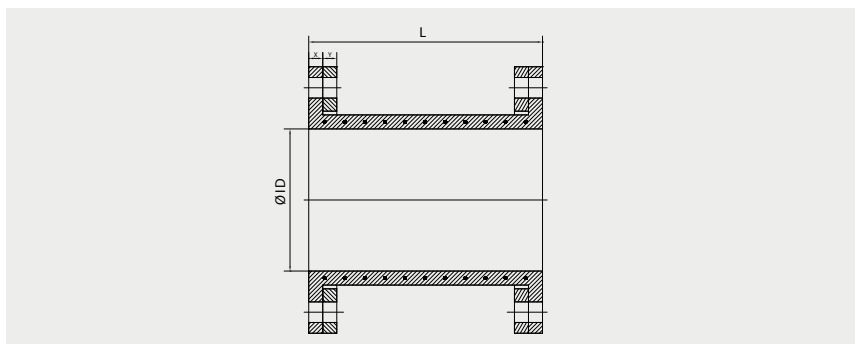
Areas of use

Pumping of extremely abrasive materials.



Rubber compensators

Rubber compensators are used to eliminate vibrations, noise, compensate for misalignments and length deviations when rubber hose or rubber reducers are not used e.g. between sump and pump in slurry handling.



Product description

Rubber compensators are made completely of Trellex rubber, reinforced with cord and a steel spiral.

Areas of use

Typically used for flexibility between sump and pump. Flexibility is necessary at suction side of pump for disassembly during maintenance.

pump-info@metso.com
Pumps information at
www.metso.com/pumps

Subject to alteration without prior notice

