



sealmatic®

Sealmatic Type CTX-SN Size 53 mm Mechanical Seal Working Efficiently In Coal Mines

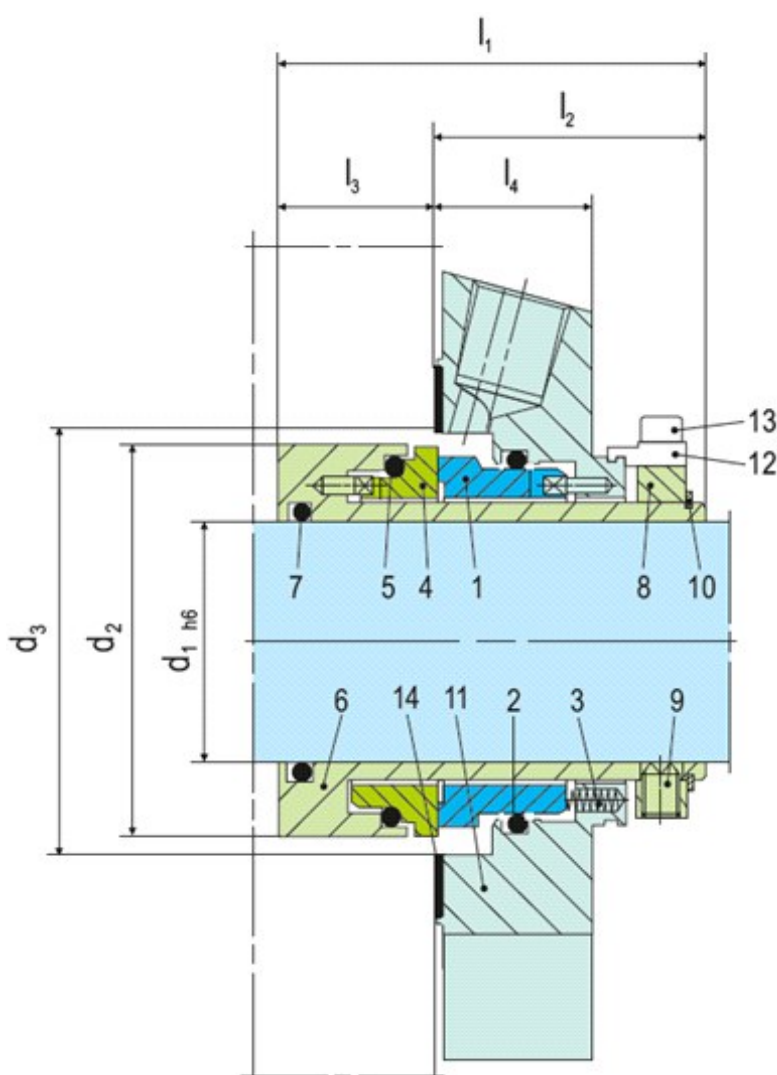
Coal is the most abundant fossil fuel on Earth. Coal mining is the process of extracting coal from the ground. It is valued for its energy content and has been widely employed to generate electricity. Steel and Cement industries employ coal as a fuel for extraction of iron from iron ore and for cement production. The materials employed in the coal mines need to be capable of coping with the large array of media, many of them explosive or toxic and others which could become when mixed. An increased awareness of environmental risks calls for a maximum reliability and operational safety, especially from sealing systems.

Against this background, the sealing systems employed in applications involving what are in many cases explosive, toxic or aggressive media have to ensure optimum tightness. On the other hand, they should also help optimize processes and thus be of advantage where the economic aspects are concerned as well. From non-critical sealing points – for which standard solutions are deployed – right through to highly complex system solutions required where particularly difficult operating conditions are concerned.

We are pleased to inform that Sealmatic type CTX Single Mechanical Seal Size 53mm is working efficiently in coal mines for dewatering applications in ISO pumps. Thus, maximizing the efficiency of the equipment and controlling expenses and conserving vital natural resources. We design application specific mechanisms and offer a wide range of services aimed at reducing the maintenance costs and therefore lowering the total cost of ownership. With decades of experience in serving the mining industries, Sealmatic comprehends the need for greater equipment reliability and maximum performance in the harsh environments.

Sealmatic Mechanical Seal Type CTX SN

Type CTX is a cartridge single and balanced mechanical seal with independent of direction of rotation, ideally employed for process pumps. The O-ring of type CTX SN is dynamically loaded to prevent shaft damage.



Performance Capabilities

Media: Water with coal slurry

Sizes: d = Upto 100 mm (Upto 4.000")
Temperature: t= -40°C ...+220°C (-40°F ...+428°F)

Sliding face material combination BQ1

Pressure: p1 = 25 bar (363 PSI)
Speed = 16 m/s (52 ft/s)

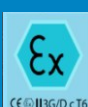
Sliding face material combination Q1Q1 or U2Q1

Pressure: p1 = 12 bar (175 PSI)
Speed = 10 m/s (33 ft/s)
Permissible axial movement: ± 1.0 mm, d1 > 75 mm ± 1.5 mm

Typical Industrial Applications

- Chemical industry
- Food and beverage industry
- Petrochemical industry
- Pharmaceutical industry
- Universally applicable
- Water and waste water technology
- Centrifugal pumps
- Eccentric screw pumps
- Process pumps

API SPEC Q1. ISO 9001:2015. ISO 14001:2015. ISO 45001:2018. EU 1935:2004. ATEX - 2014/ 34/EU. REACH & RoHS. PED-CE. GMP



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