

Valmet Sluice Gate Seals

A waterproof choice



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Over sixty years' experience in sluice gate seals

Valmet manufactures reliable and high-quality rubber seals for sluice gates in dams and canals. Power and water utilities, maritime administration, canal operators and sluice gate constructors require seals with accurate tolerances as well as absolute wear resistance to ensure that they withstand the extreme weather conditions of the arctic. In these customers' demanding sealing needs, Valmet is the choice for waterproof solutions.

Valmet Corporation is a leading global developer and supplier of services and technologies for the pulp, paper and energy industries. Our 11,000 professionals around the world work close to our customers and are committed to moving our customers' performance forward - every day.

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Technically reliable seals

Valmet's rubber seals feature optimum friction and wear resistance, as well as accurate tolerances. The friction resistance means high availability: Thanks to reliably functioning seals, gates can be opened and closed without problems. Due to the stable quality of our materials, our seals withstand extensive, up to 70-degree, temperature variations. Their accurate tolerances ensure dependable sealing despite high water pressures and flow rates.

Valmet's reliable sluice gate seals – the optimum choice for sealing needs

- **High availability:** One investment ensures operational reliability for up to 20 years
- **A risk-free solution:** Reliable sealing – a necessity in water flow management



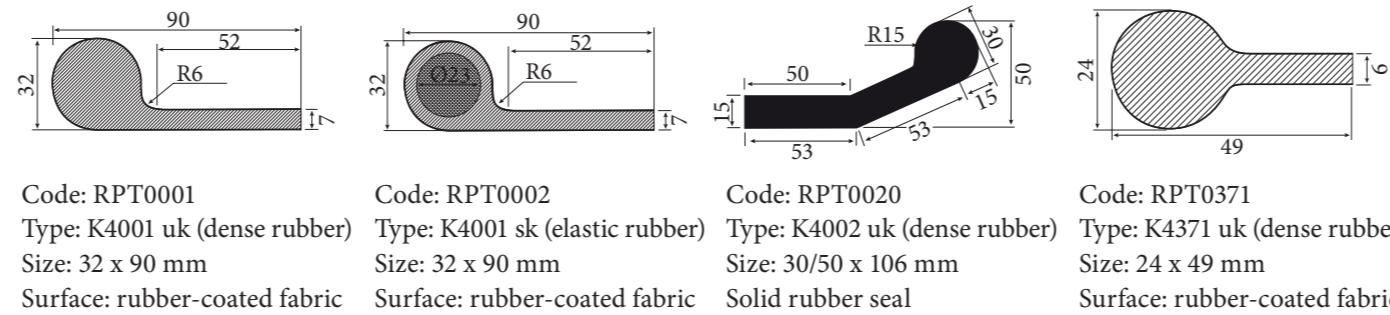


Seal types according to customer needs

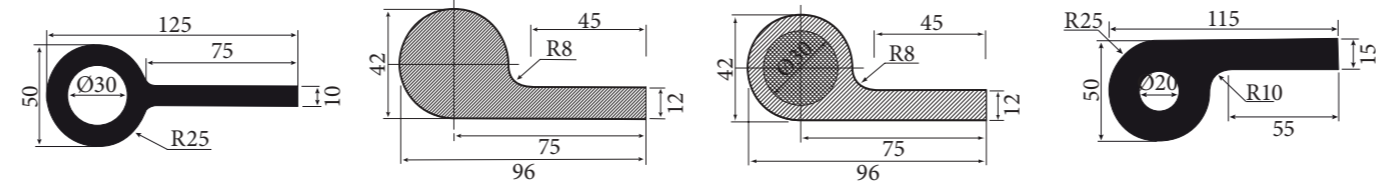
Our seal products comprise side and bottom seals, as well as corner sealing solutions.

A major part of our deliveries are side seals assembled by our customers' subcontractors on both sides of sluice gates at a dam or canal destination. The bottom seals are typically delivered by the meter. Tailored sealing solutions with ready-vulcanized corners are completely manufactured in our own production facility.

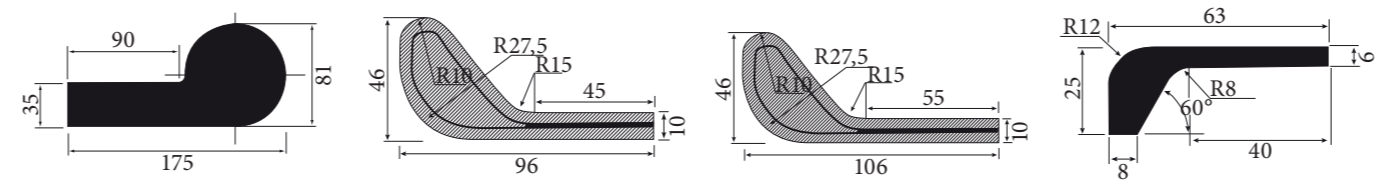
Side seals



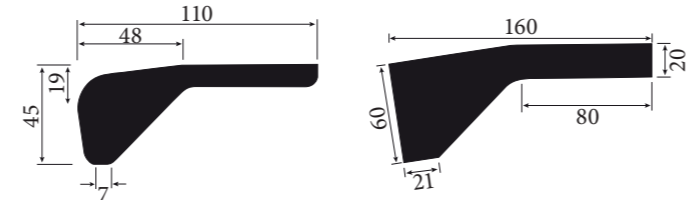
Code: RPT0001 Type: K4001 uk (dense rubber) Size: 32 x 90 mm Surface: rubber-coated fabric
 Code: RPT0002 Type: K4001 sk (elastic rubber) Size: 32 x 90 mm Surface: rubber-coated fabric
 Code: RPT0020 Type: K4002 uk (dense rubber) Size: 30/50 x 106 mm Solid rubber seal
 Code: RPT0371 Type: K4371 uk (dense rubber) Size: 24 x 49 mm Surface: rubber-coated fabric



Code: RPT0019 Type: 512308 (hollow) Size: 50 x 125 mm Solid rubber seal
 Code: RPT0050 Type: K4005 uk (dense rubber) Size: 42 x 96 mm Surface: rubber-coated fabric
 Code: RPT0051 Type: K4005 sk (elastic rubber) Size: 42 x 96 mm Surface: rubber-coated fabric
 Code: RPT0030 Type: 513127 (hollow) Size: 50 x 115 mm Solid rubber seal

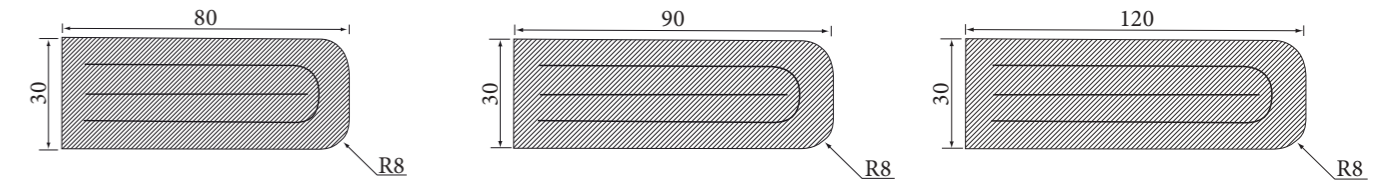


Code: RPT0008 Type: K4008 uk (dense rubber) Size: 81 x 175 mm Solid rubber seal
 Code: RPT0070 Type: K4007 uk (dense rubber) Size: 46 x 96 mm Solid rubber seal with fabric reinforcement
 Code: RPT0075 Type: K4007 uk (dense rubber) Size: 46 x 106 mm Solid rubber seal with fabric reinforcement
 Code: RPT0029 Type: K515688 Size: 25 x 63 mm Solid rubber seal

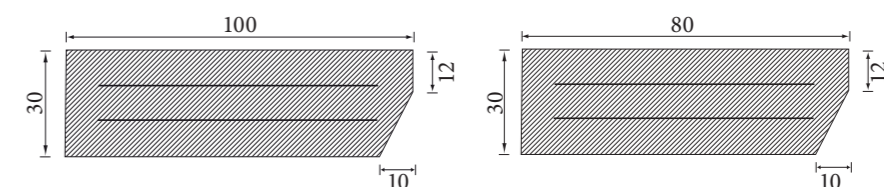


Code: RPT2624 Type: 519074 Size: 45 x 110 mm Solid rubber seal
 Code: RPT0033 Type: 510305 Size: 60/20 x 160 mm Solid rubber seal

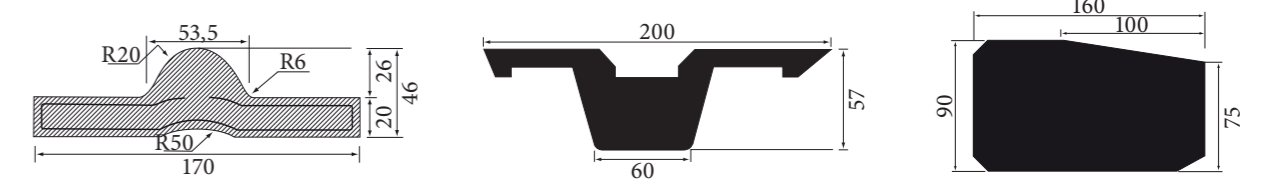
Bottom seals



Code: RPT0080 Type: K4010 uk (dense rubber) Size: 30 x 80 mm Three textile reinforcement layers
 Code: RPT0090 Type: K4010 uk (dense rubber) Size: 30 x 90 mm Three textile reinforcement layers
 Code: RPT0095 Type: K4010 uk (dense rubber) Size: 30 x 120 mm Three textile reinforcement layers



Code: RPT0171 Type: K4171 uk (dense rubber) Size: 12/30 x 100 mm Two textile reinforcement layers
 Code: RPT0172 Type: K4171 uk (dense rubber) Size: 12/30 x 80 mm Two textile reinforcement layers



Code: RPT0482 Type: 7820 Size: 20/46 x 170 mm Solid rubber seal with fabric reinforcement
 Code: RPT0027 Type: 514211 Size: 57 x 200 mm Solid rubber seal
 Code: RPT2628 Type: 362.2113 Size: 90 x 160 mm Solid rubber seal

Corner sealings

Examples of the corner sealing solutions that we have delivered:



Seals for sluice gates in the arctic

Valmet manufactures high-quality rubber seals for targets requiring dependable water flow management. Our products have been designed to withstand the extreme weather conditions of the arctic.

We manufacture seals for all types of sluice gates and shutters located in dams and canals. For power and water utilities, we deliver seals that these customers require for their dam construction projects, rebuilds or scheduled maintenance needs. Maritime administration and canal operators need our seals for their canal construction projects. A growing share of our seal deliveries is included in dam construction companies' total delivery scope.

All water utilities and canals in Finland and Northern Sweden, as well as Finnish-built hydropower plants around the world are provided with our seals – proof of the operational reliability of our products. And, hardly ever wearing, scheduled maintenance is the most common reason for their renewal.

Tailored durability for long-term use

Made of dense or elastic rubber, our products are vulcanized, profile-cast rubber seals with a rubber or textile-reinforced surface.

We deliver our seals either by the meter or in pre-cut lengths according to customers' specifications – also with ready-vulcanized corners. Mounting slots are typically made at the destination site during the assembly stage, but the work can also be included in our delivery scope if needed.

Decades of experience behind quality

The renowned sluice gate seals have been manufactured since the 1950s, initially as part of Nokia Rubber Industry. Production continued with different ownerships over the fol-

lowing decades. In 2010, the business became part of Metso, which acquired the rubber seal production from Camoplast Inc., Canada. As of January 1, 2014, rubber seal production has been part of Valmet which was reborn through the demerger of the pulp, paper and power businesses from Metso Group.

Over the decades, we have delivered more than 100 kilometers of seals to our international customers. The years of accumulated product knowledge continues to be available from our same manufacturing facility and our experts.

Valmet supplies these reliable seals that customers still need with flexible delivery times: We keep ready molds of all our Finnish and Swedish seal deliveries in stock. In addition, we produce reliable seal solutions for new dam destinations and special needs.