

Welcome

Wey Valve High Performance Knife Gate Valves

The Right Choice for the Job

2 April 2025

Wey Sales Team

Company Profile

165 employees

**50+ years of
experience**

Wey Valve Inc. in Shannon MS, USA
– 40,000 Sq. Foot Manufacturing
Facility

Headquarters
Sistag AG in Eschenbach, Switzerland



THE BEST OF BOTH WORLDS

We combine Swiss engineering and precision with American ingenuity and service culture.



ENGINEERING WITH ATTENTION TO DETAIL

We devote our full attention to each component, even before we start designing a workpiece. All the way down to the smallest detail.



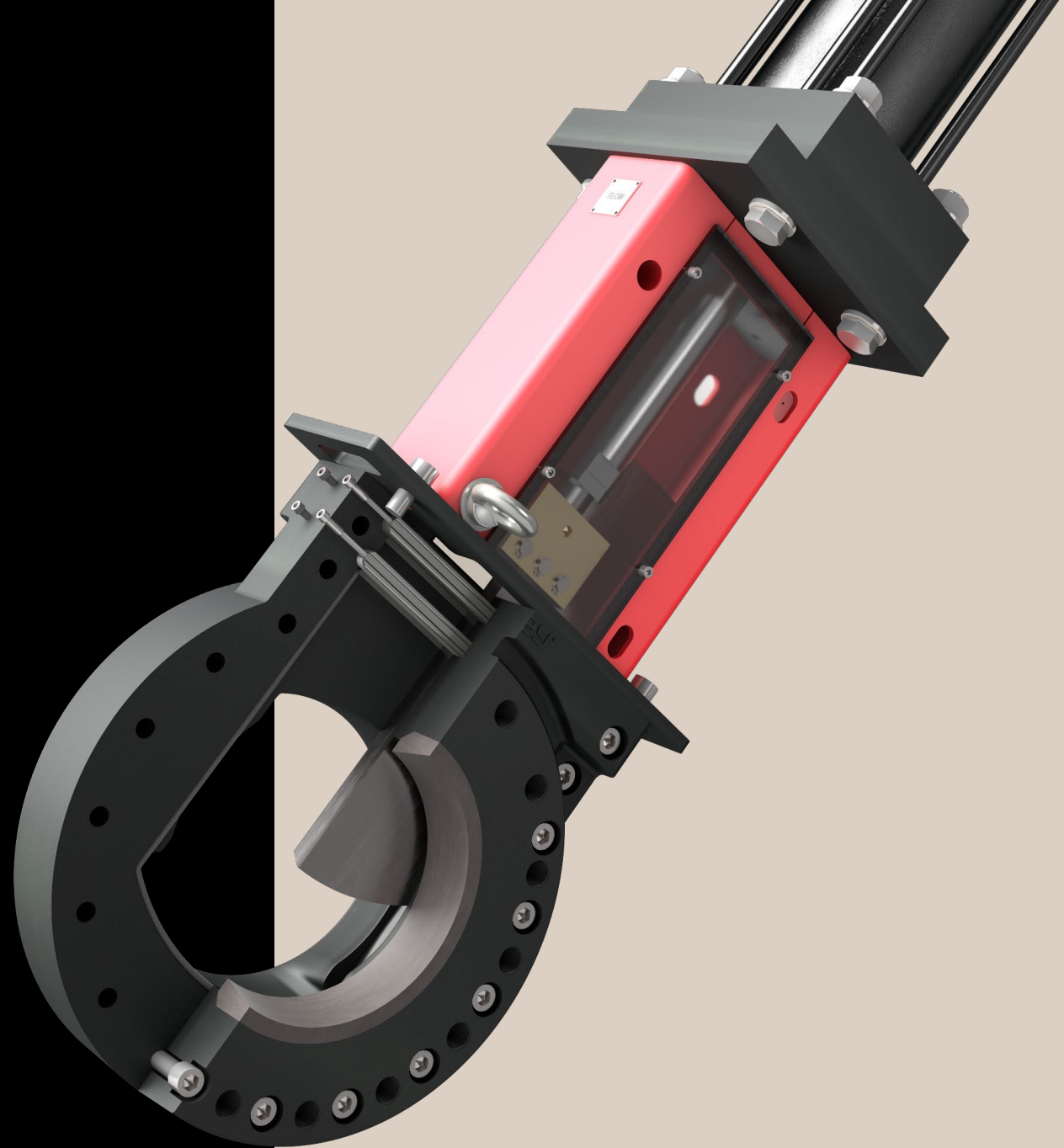
THE
TRUSTED
ORIGINAL
SINCE

1956



OFTEN COPIED NEVER EQUALED

Wey knife gate valves are equipped with the “Original Wey Design”, our unique sealing system. We’ve continuously developed and perfected this innovation, which had a patent registered in 1956. That’s why our sealing system is still the market leader today.



WEY DESIGN

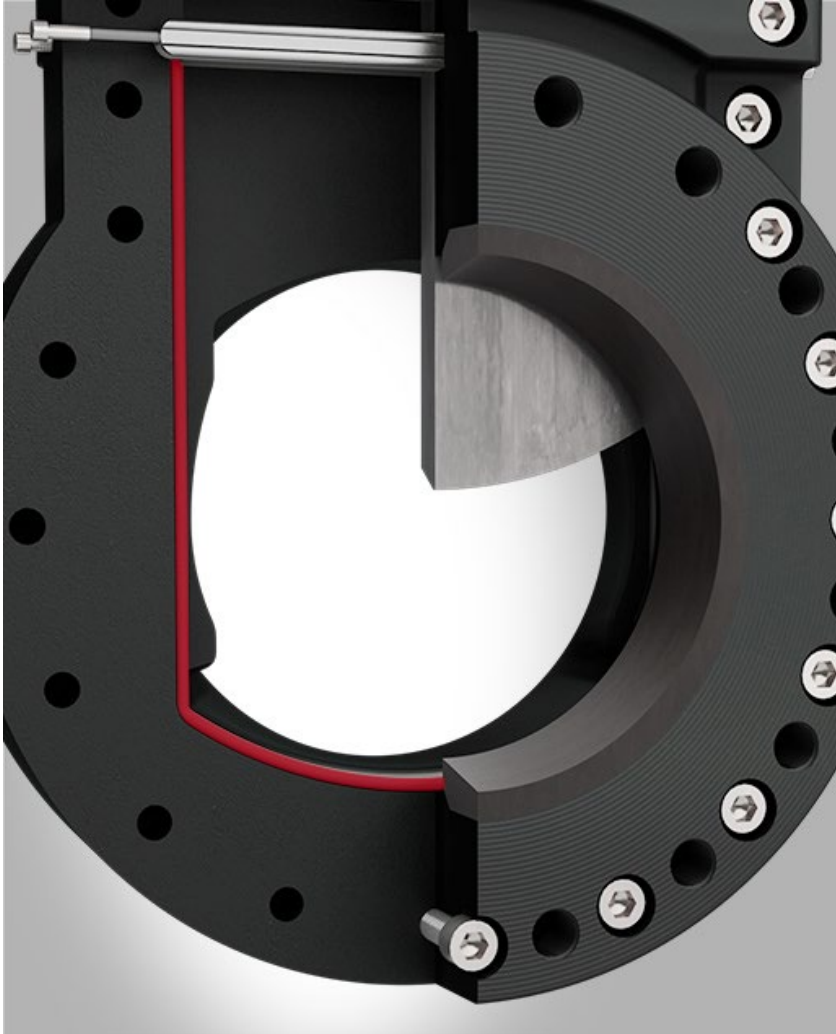
ORIGINAL





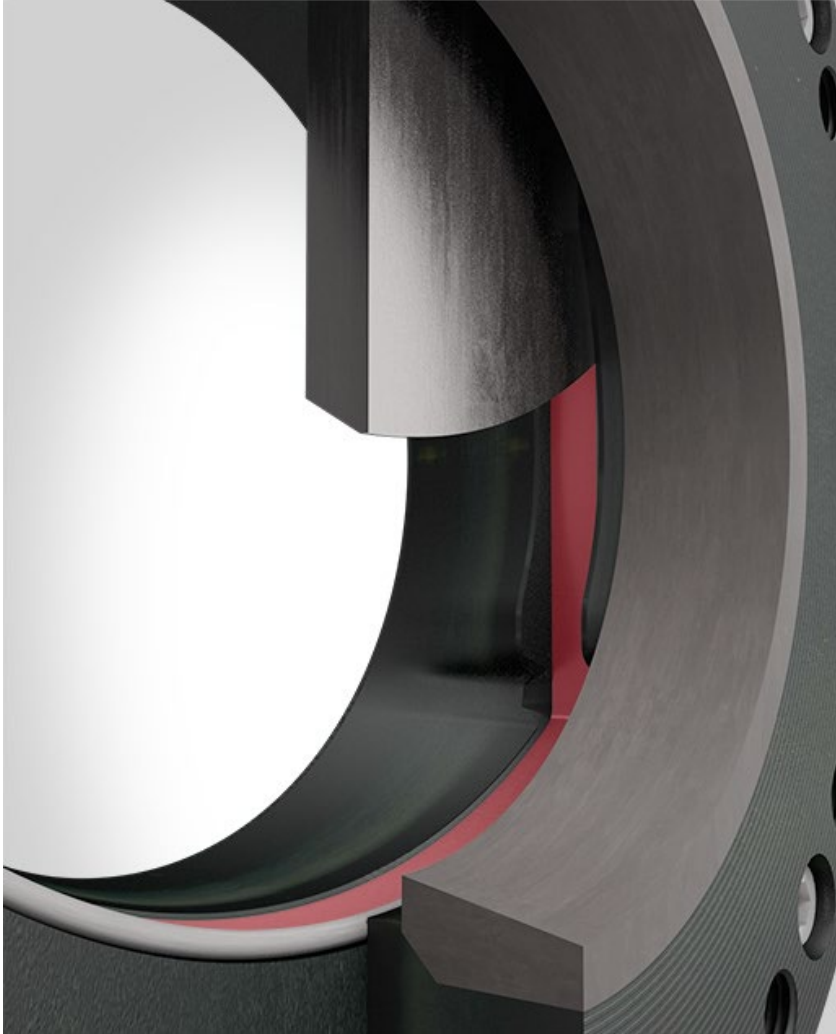


The Original Wey Design



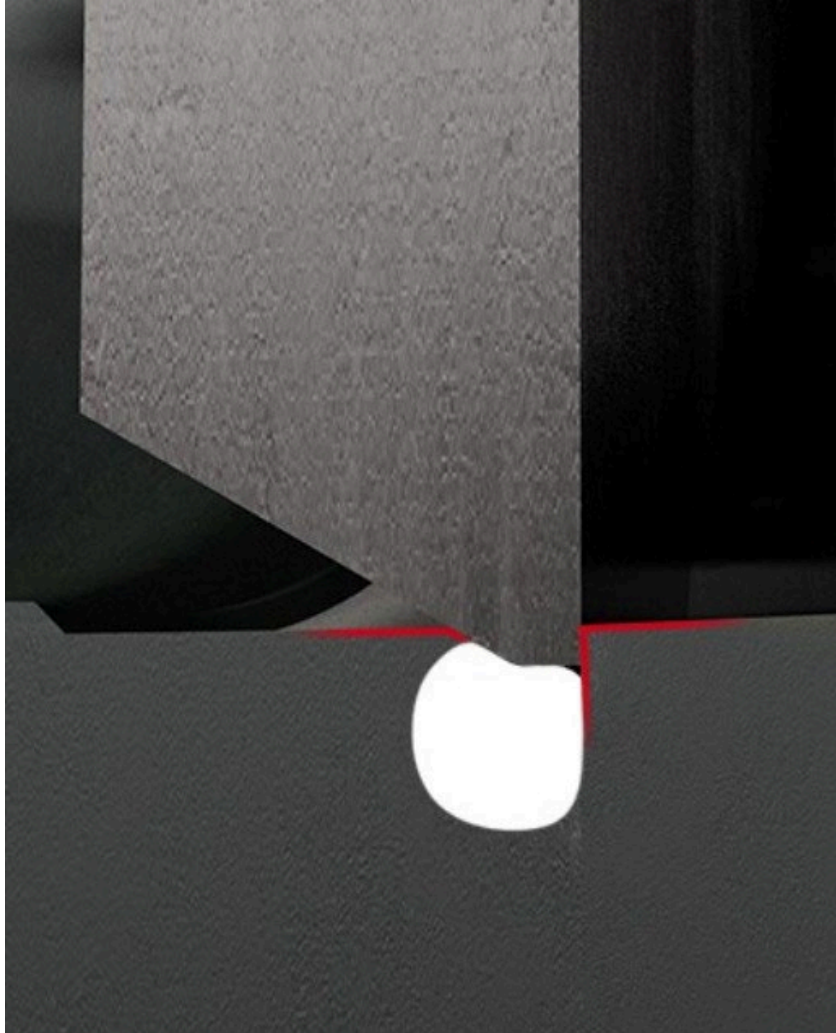
A mechanically retained **round cord seal** creates a bubble-tight shut off on the gate edge.

The Original Wey Design



The gate is **mechanically guided** over the full stroke.

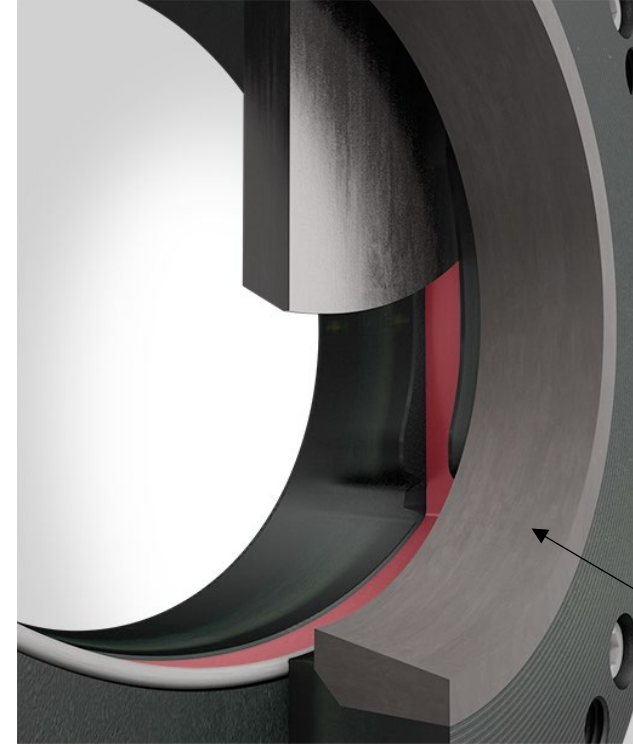
The Original Wey Design



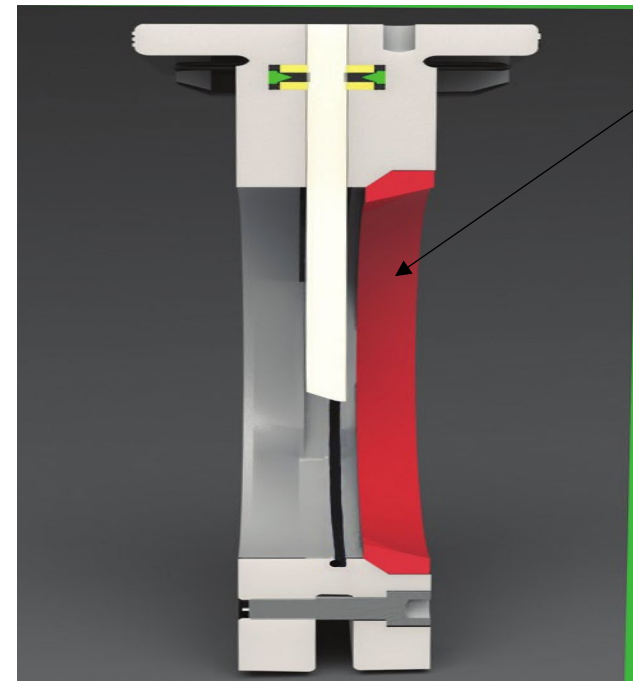
In the closed end position, the gate is also **mechanically supported**.

Ni-Hard Wear Ring

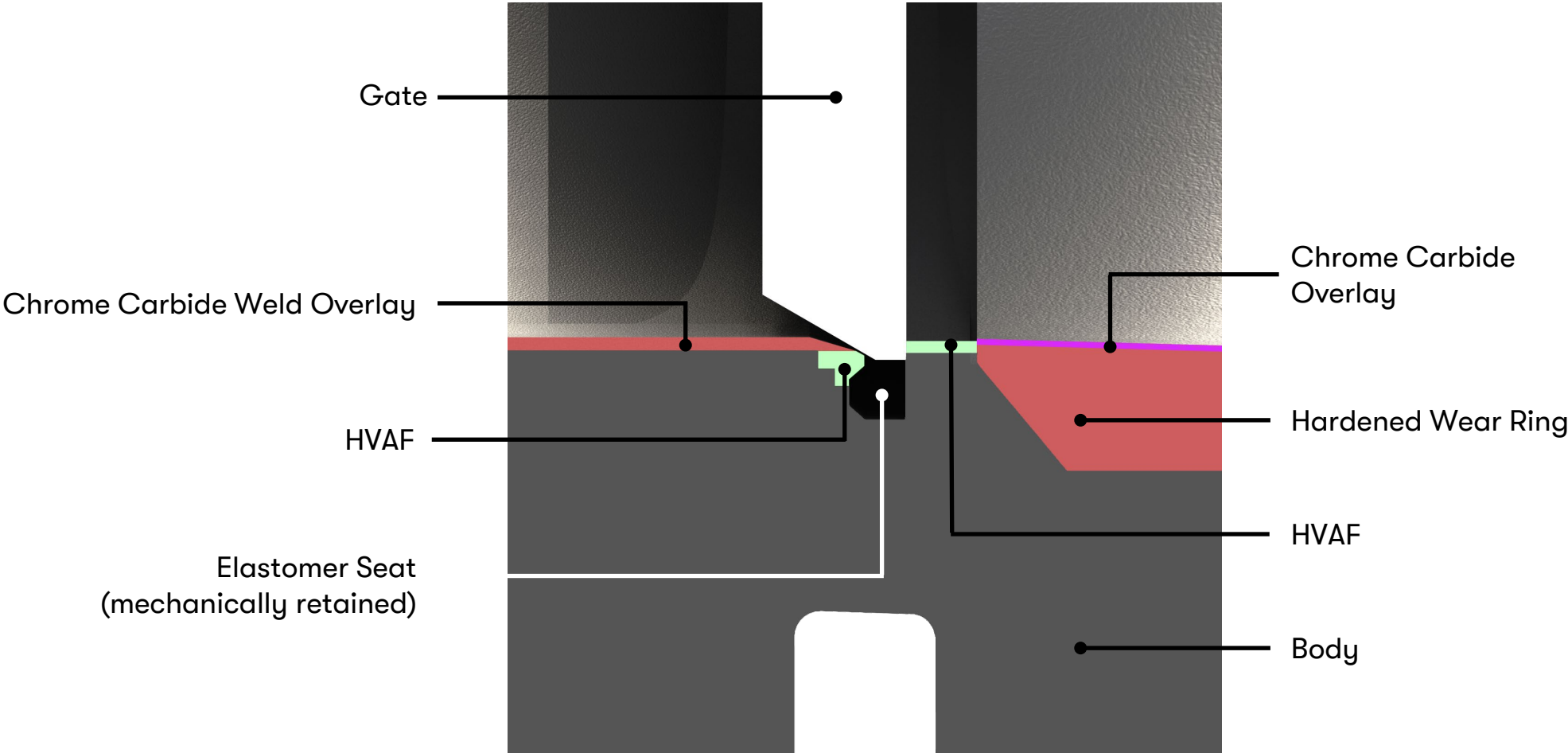
- Protects body and seal from abrasive media
- Hardness up to Rockwell C65
- Ability to match pipe ID
- Prolongs service life (predictive maintenance)
- Optional alternative materials available (Ceramic, Hardened Tool Steel)
- Hardened coatings available (HVOF or Weld Overlays)



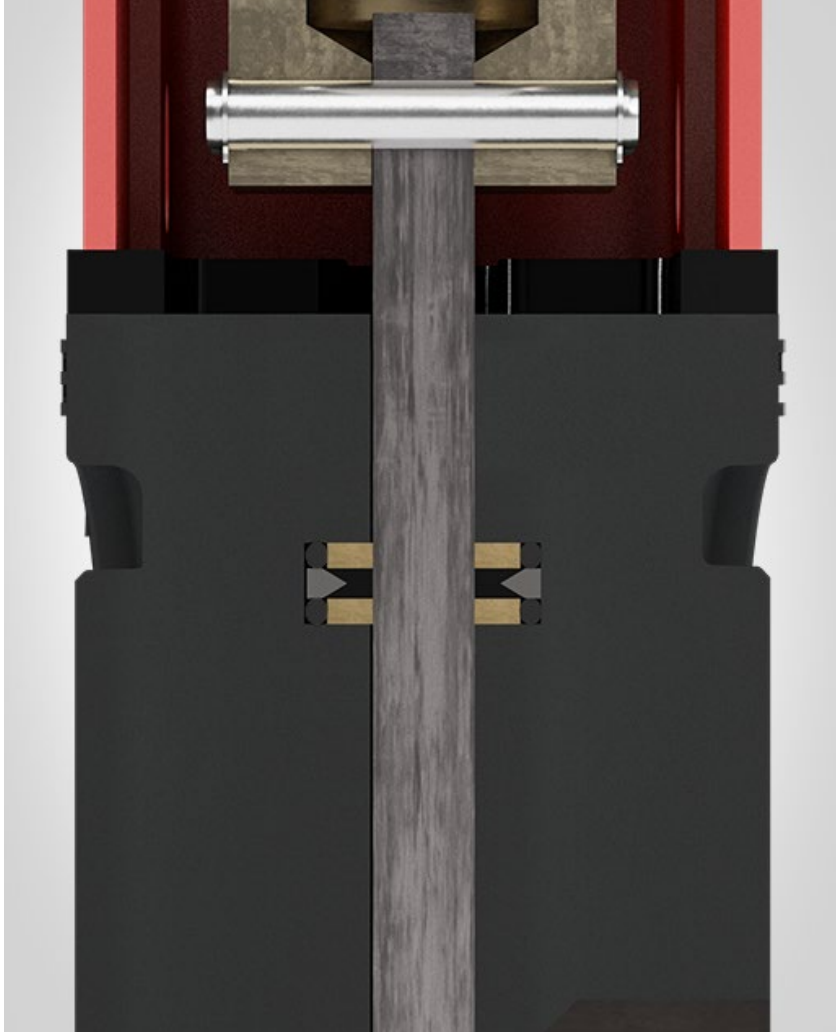
Ni-Hard Wear Ring



Multiple Seat Configuration Options

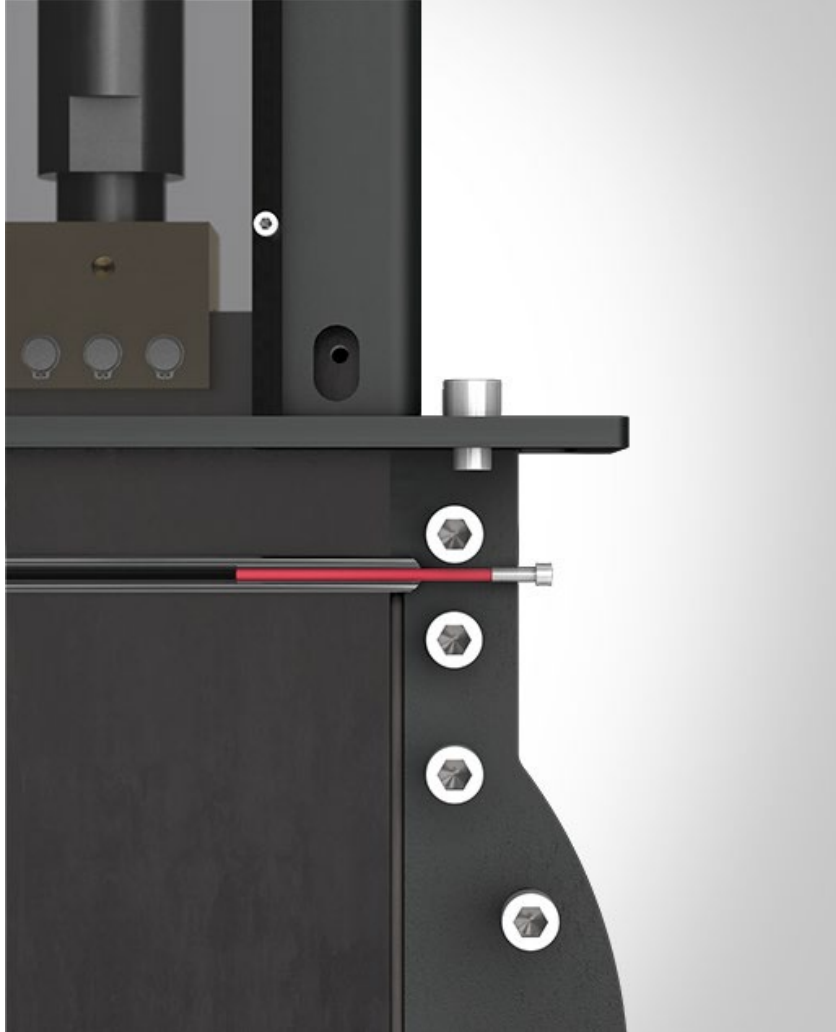


The Original Wey Design



A unique **transverse seal**, consisting of a transverse seal profile and packing compound, makes the body bubble-tight towards the atmosphere.

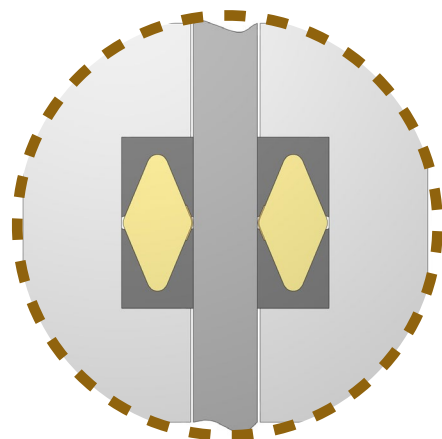
The Original Wey Design



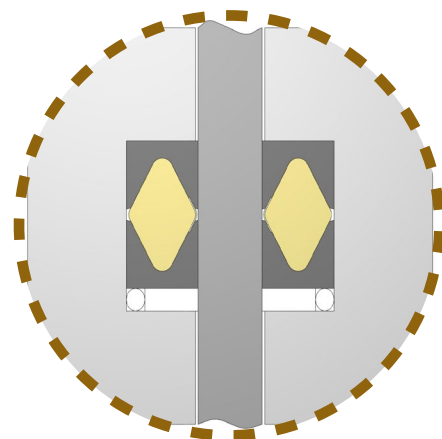
The transverse seal can be **repacked** at any time and under full pressure using the lateral packing screws.

The Original Wey Design

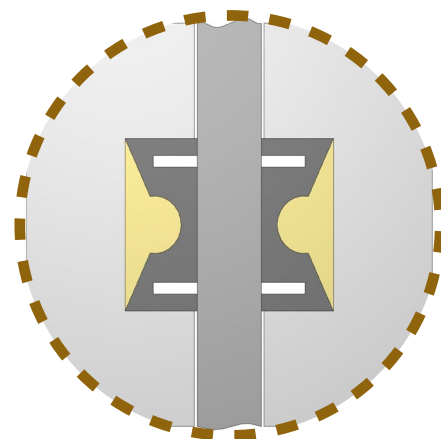
Seal Options



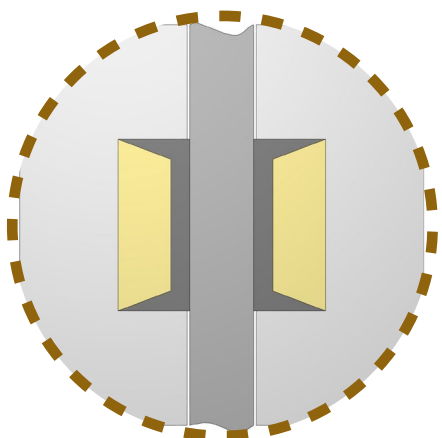
Type 0



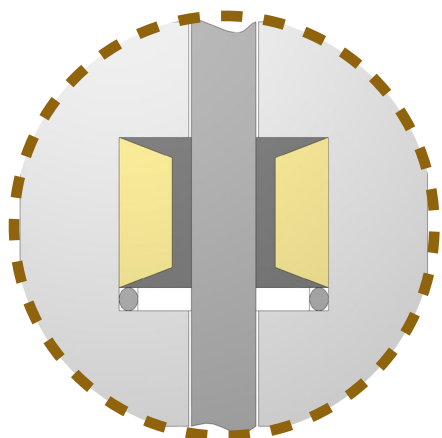
Type 1



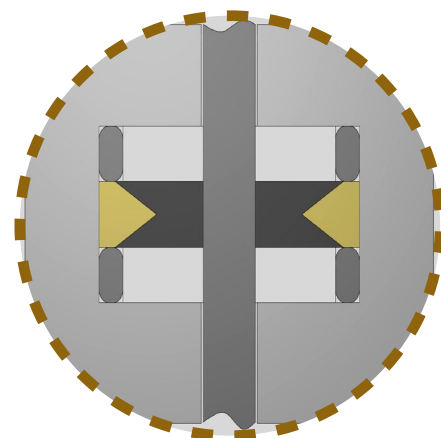
Type 2



Type 3



Type 4

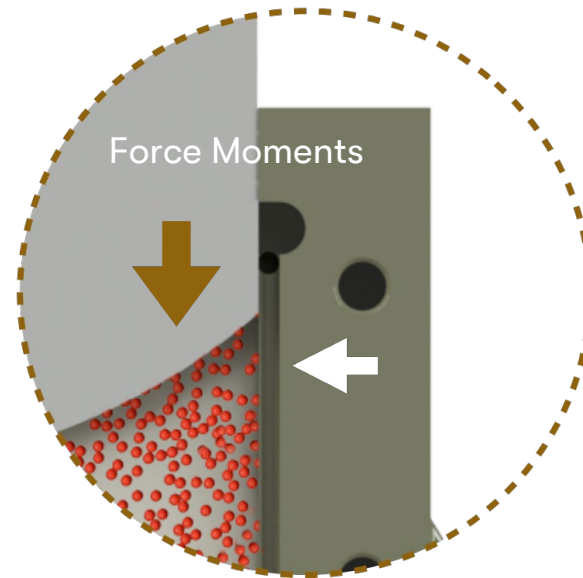


Type 5

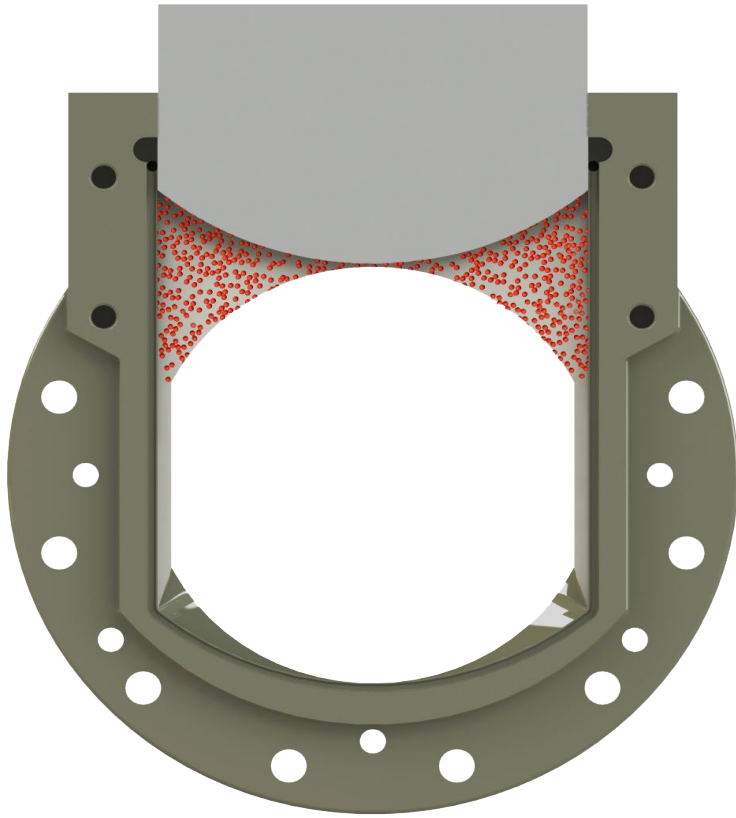
The Original Wey Design



With its optimized **gate geometry**, accumulated media is pushed out of the gate guide and flushed out into the bore by the increased flow.

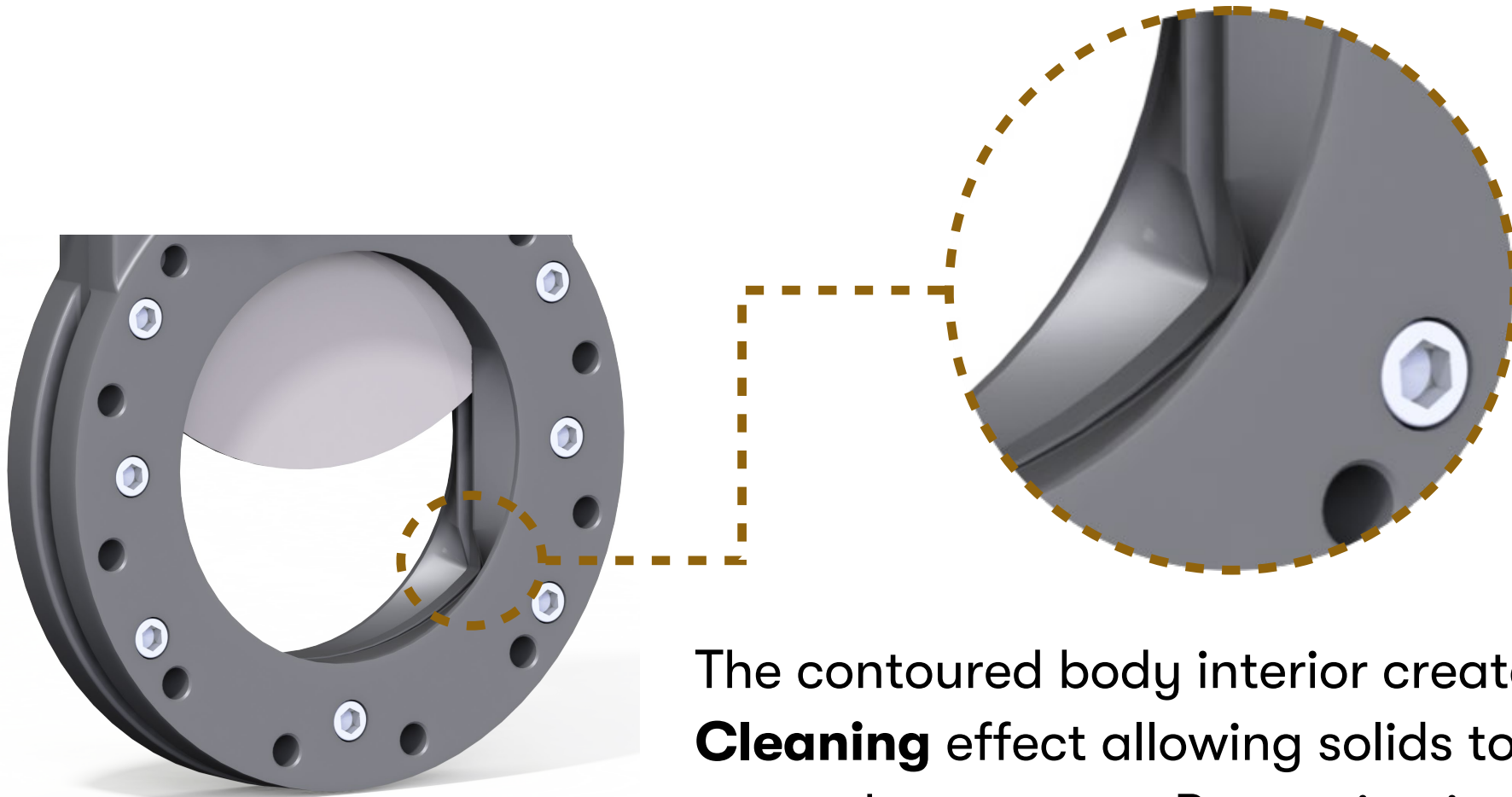


The Original Wey Design



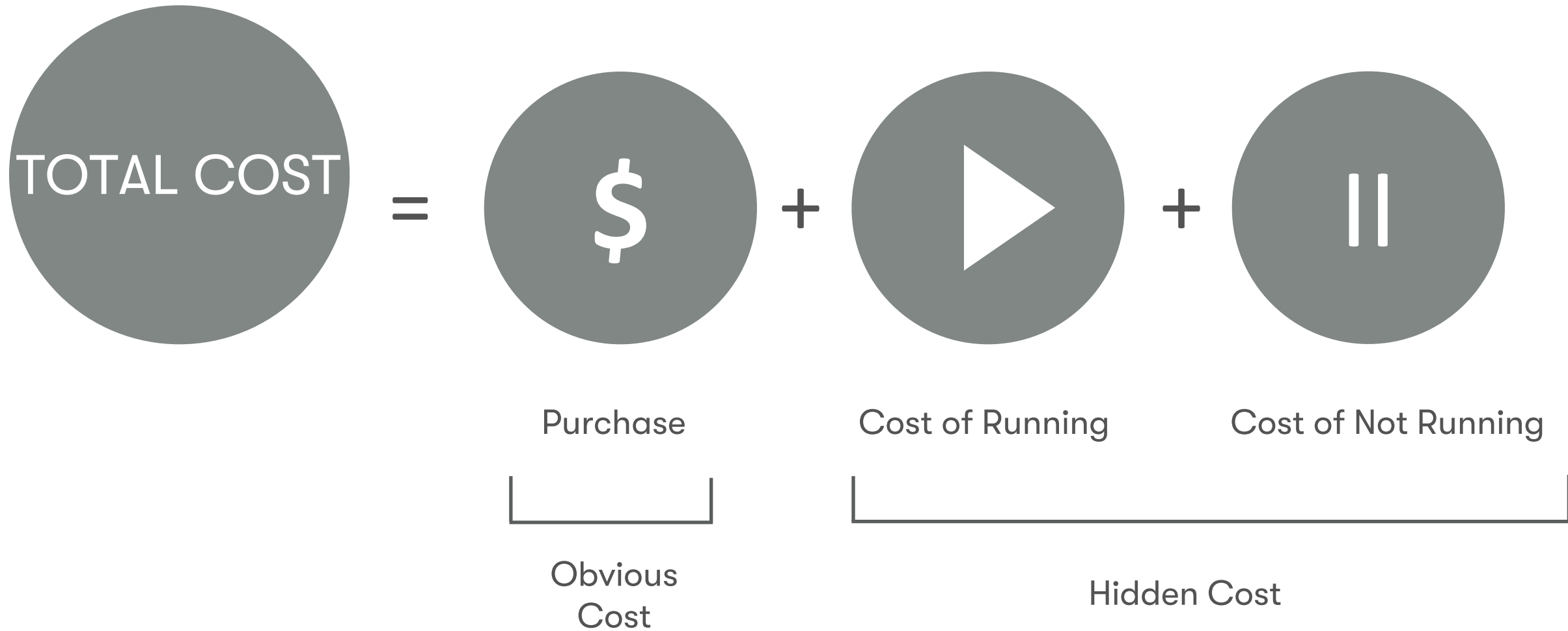
Reduced chest cavity reduces collection of solids. Minimal dewatering insuring no leakage to atmosphere.

The Original Wey Design

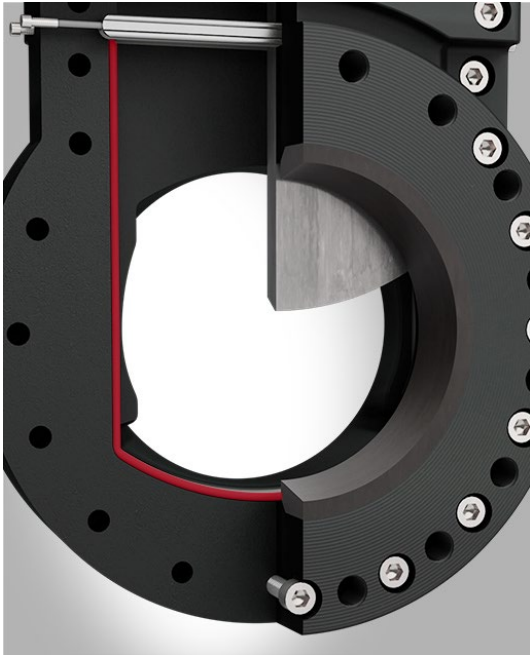


The contoured body interior creates a **Self Cleaning** effect allowing solids to be swept away downstream. Preventing jamming in the seat area. **No Purges necessary.**

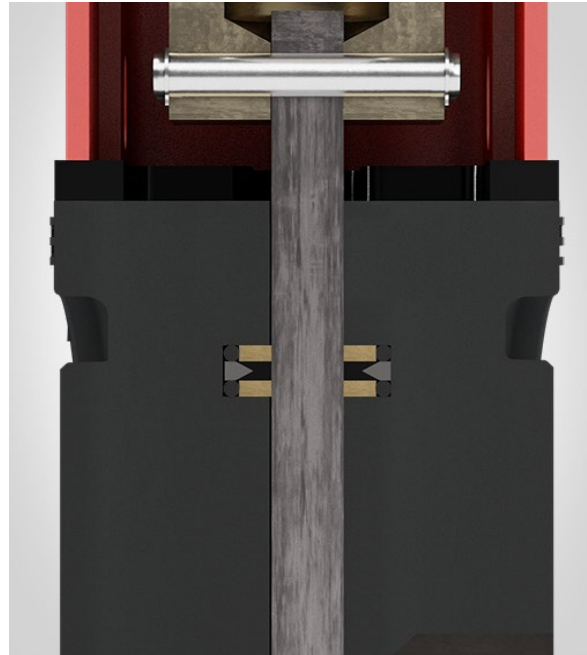
Total Cost of Ownership



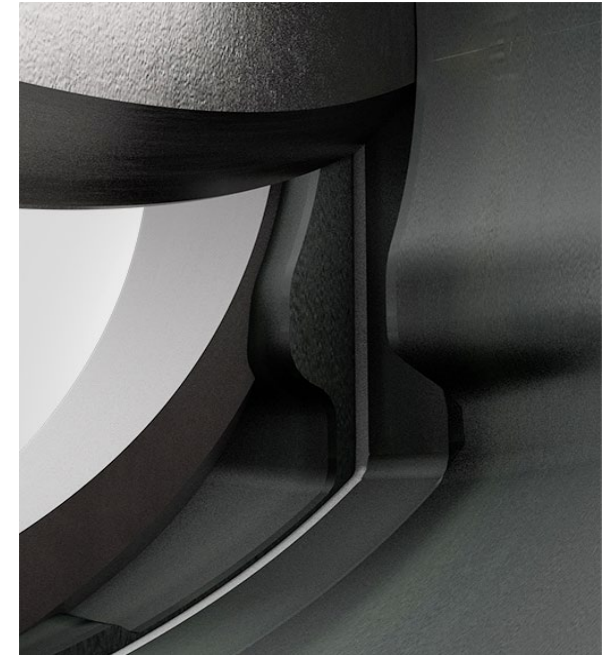
Review



Mechanically
retained round cord



Unique transverse seal



Optimized gate
geometry

100% bubble-tight

Zero leakage

Wey valves provide absolute zero leakage with no loss of media outside the pipe itself.

No loss/waste of water to the environment.





That's the WEY!

Wey Valve Inc.
175 Bryan Blvd.
Shannon, MS 38868
USA