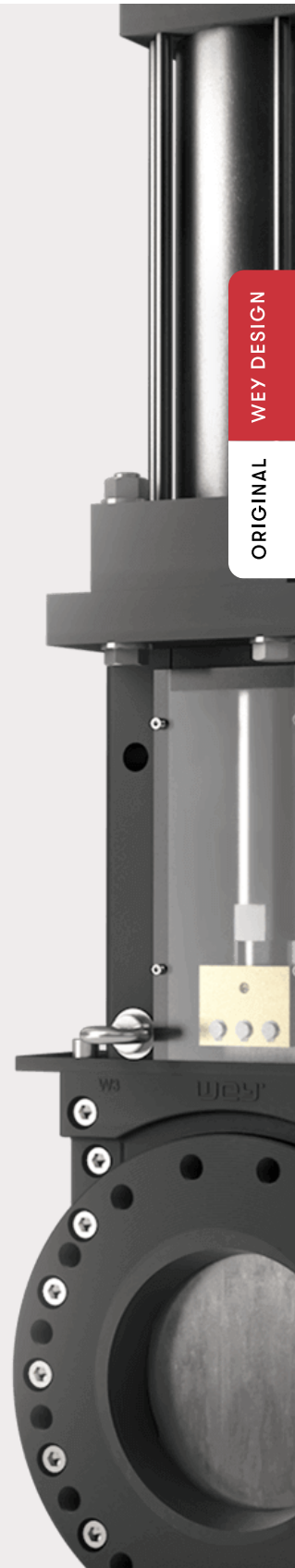




# KNIFE GATE VALVES

## W SERIES



# W SERIES

Whether an application is referred to as “severe service”, “high performance”, or “heavy duty”, we have overcome the corresponding challenges with our Wey design. We pushed it to the limit, and the result is the W series. It offers the greatest flexibility, including for the range of nominal sizes, materials, and pressures. It opens up an incredible scope of application. With the W series, we guarantee that we will outperform the competition, no matter what the situation.



**2 – 56 inch**

Nominal sizes

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**Stainless steel, Carbon steel, Cast tin-bronze , Cast aluminum-bronze**

Material

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**0 – 740 psi**

Pressure rating

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**ANSI Class 150, ANSI Class 300**

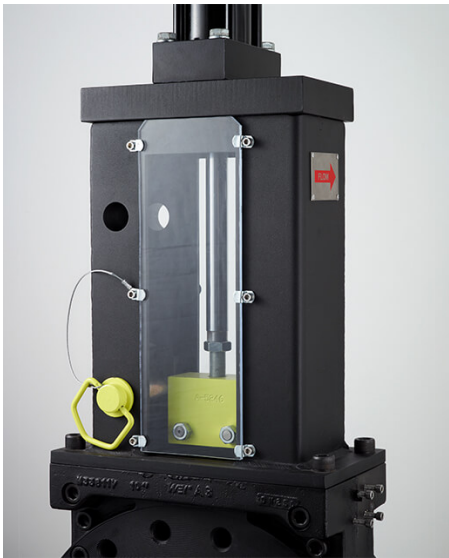
Flange drilling

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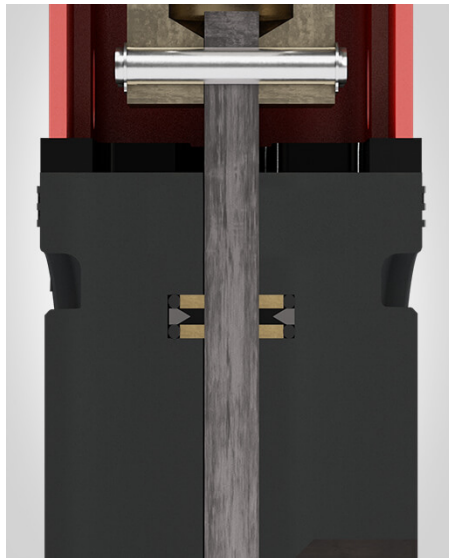
**MSS-SP135 Class 150 short, MSS-SP135 Class 150 long, MSS-SP135 Class 300 short, MSS-SP135 Class 300 long**

Face to face dimension

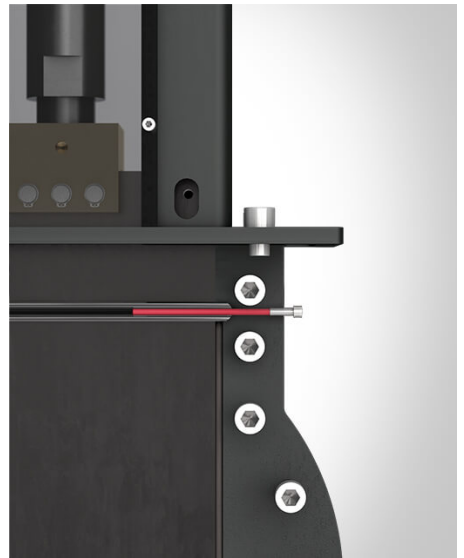
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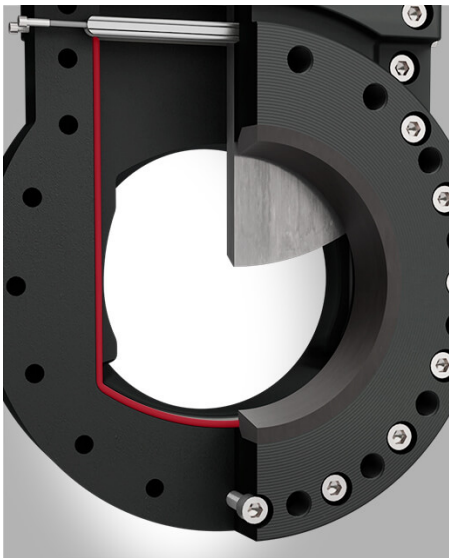
The robust universal bonnet can be used for a wide variety of actuator types. Many different add-on parts can be easily fitted.



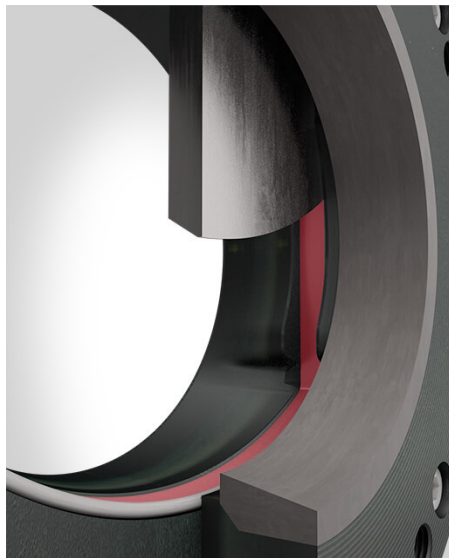
A unique transverse seal, consisting of a transverse seal profile and packing compound, makes the body bubble-tight towards the atmosphere.



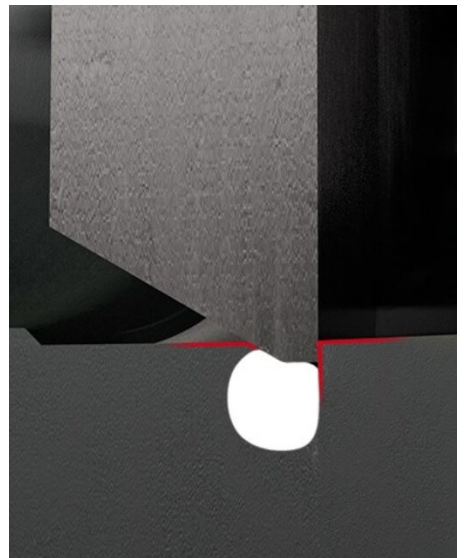
The transverse seal can be repacked at any time and under full pressure using the lateral packing screws.



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



The gate is mechanically guided over the full stroke.



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

## APPLICATION AREAS

### Mining

e.g. Mining slurry, Sinter water, Tailings, Process minerals, ...



Wey W3 with hydraulic cylinder in an oil sands mine in Canada.

## MATERIAL OF CONSTRUCTION

Part			
Body	Ni-Resist	Ductile Ni-Resist	Carbon Steel
Gate	17.4 PH	17.4 PH	17.4 PH
Seal	GFLT	Aflas	GFLT
Topwork	Carbon Steel	Carbon Steel	Carbon Steel
Stem / Piston rod	430 Chrome Steel	17.4 PH Steel	430 Chrome Steel

Other materials upon request

## CORROSION PROTECTION

Body	Ecoat
Topwork	Epoxy Powder Coat, Stainless steel
Schrauben	B4, Stainless, B7

## ACTUATORS



**Handwheel**

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**Bevel gear**

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**Pneumatic cylinder**

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**Hydraulic cylinder**

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**Electric actuator**

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## DOWNLOADS

### General documents

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Product brochure knife gate valves	PDF	<a href="#"></a>
Instruction manual	PDF	<a href="#"></a>
Seal arrangement	PDF	<a href="#"></a>
Lubricants	PDF	<a href="#"></a>

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## Data sheets


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W0 with handwheel	PDF	<a href="#"></a>
W0 with bevel gear	PDF	<a href="#"></a>
W0 with pneumatic cylinder	PDF	<a href="#"></a>
W0 with hydraulic cylinder	PDF	<a href="#"></a>
W1 with handwheel	PDF	<a href="#"></a>
W1 with bevel gear	PDF	<a href="#"></a>
W1 with pneumatic cylinder	PDF	<a href="#"></a>
W1 with hydraulic cylinder	PDF	<a href="#"></a>
W2 with bevel gear	PDF	<a href="#"></a>
W2 with pneumatic cylinder	PDF	<a href="#"></a>
W2 with hydraulic cylinder	PDF	<a href="#"></a>
W3 with bevel gear	PDF	<a href="#"></a>
W3 with pneumatic cylinder	PDF	<a href="#"></a>
W3 with hydraulic cylinder	PDF	<a href="#"></a>

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## CAD files

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W0 with pneumatic cylinder 3D (STEP)	ZIP	<a href="#"></a>
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INDIVIDUAL SOLUTION.**

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