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Oil brake cylinder 32er and 40er

Our hydraulic cushioning cylinders are distinct from the other oil brake cylinders in that they are available as a standard cylinder in the pulling direction and feature a stroke of up to 900mm.

Even larger stroke lengths can be easily implemented.

Another advantage is the cylinder assembly, which is a modular system. This means that all cylinder configurations can be realized using the same structural dimensions and some can even be retrofitted.

The cylinder available in following **versions**:

Oil brake cylinder Z (pulling)

- Feed adjustable in **pulling** direction, oppressive at a rapid speed
- Feed-speed control in **pulling** direction, oppressive at rapid feed speed
- Feed-speed control, rapid-speed switching and the stopping device in the **pulling** direction, oppressive at rapid speed

Oil brake cylinder D (oppresive)

- Feed adjustable in **oppressive** direction, pulling at a rapid speed
- Feed-speed control in **oppressive** direction, pulling at rapid feed speed
- Feed-speed control, rapid-speed switching and the stopping device in the **oppressive** direction, pulling at rapid speed

Oil brake cylinder D and Z (oppresive and pulling)

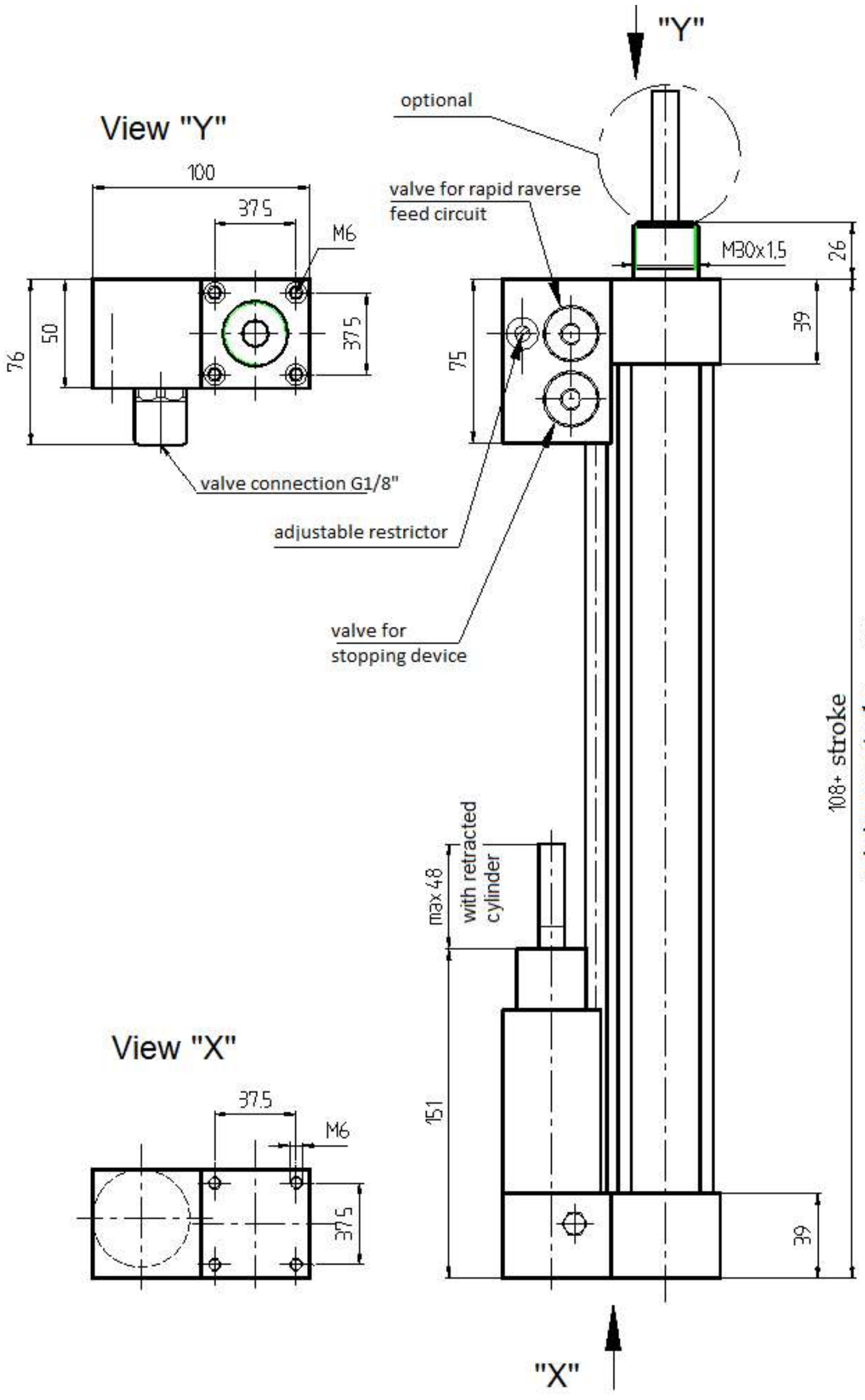
- Feed adjustable in **oppressive** and **pulling** direction
- Feed-speed control in **oppressive** and **pulling** direction
- Feed-speed control, rapid-speed switching and the stopping device in the **oppressive** and **pulling** direction

The stopping device is also available as a stop feature in the event of air failure
Dimensions are the same for the 32nd and 40th cylinder.

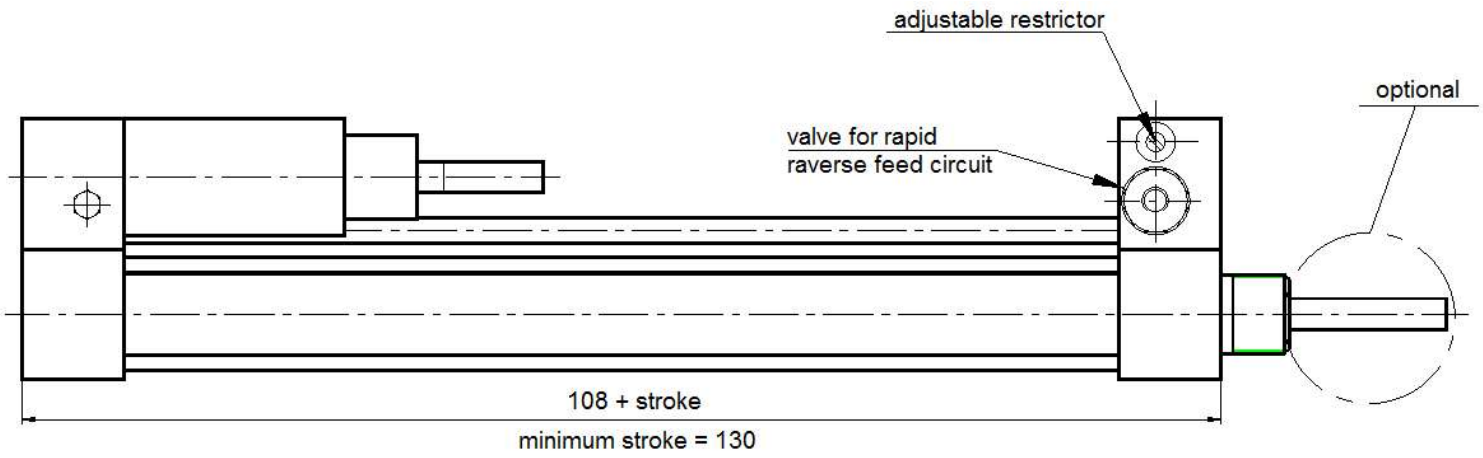
The closed oil circuit with large oil reserve guarantees a long service life and a finely adjustable feed rate and high degree of reliability.

Oil brake cylinder Z

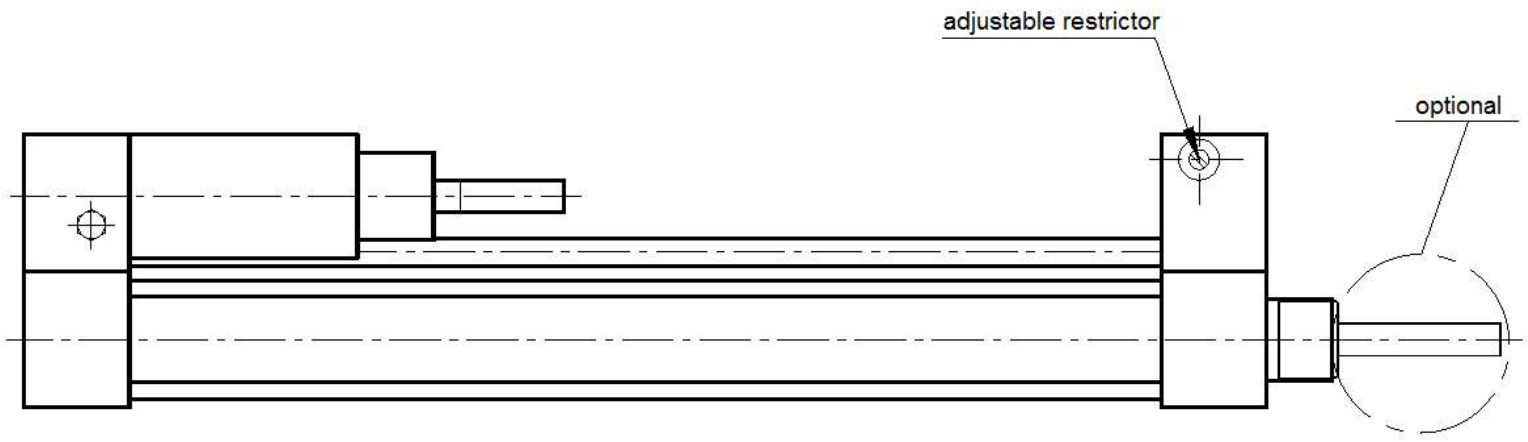
rapid traverse feed circuit
and stopping device



Oil brake cylinder Z
rapid traverse feed circuit



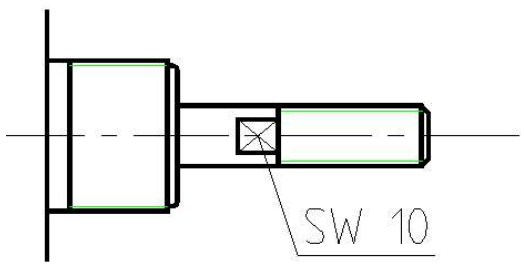
Oil brake cylinder Z



The ends for the piston rod are available in different versions

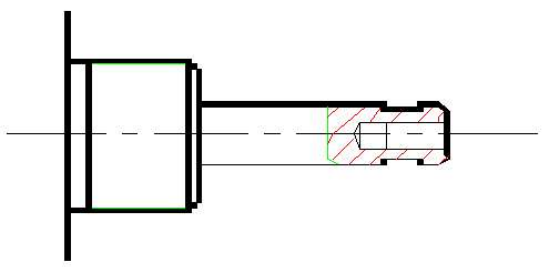
external thread

A = external thread



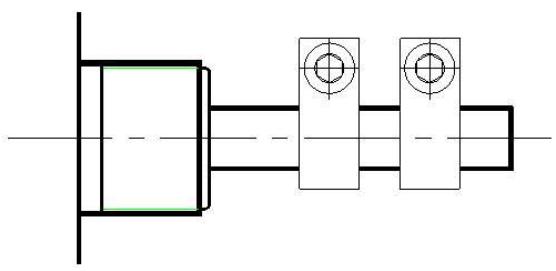
internal thread

I = internal thread



Without any thread

O = without any thread

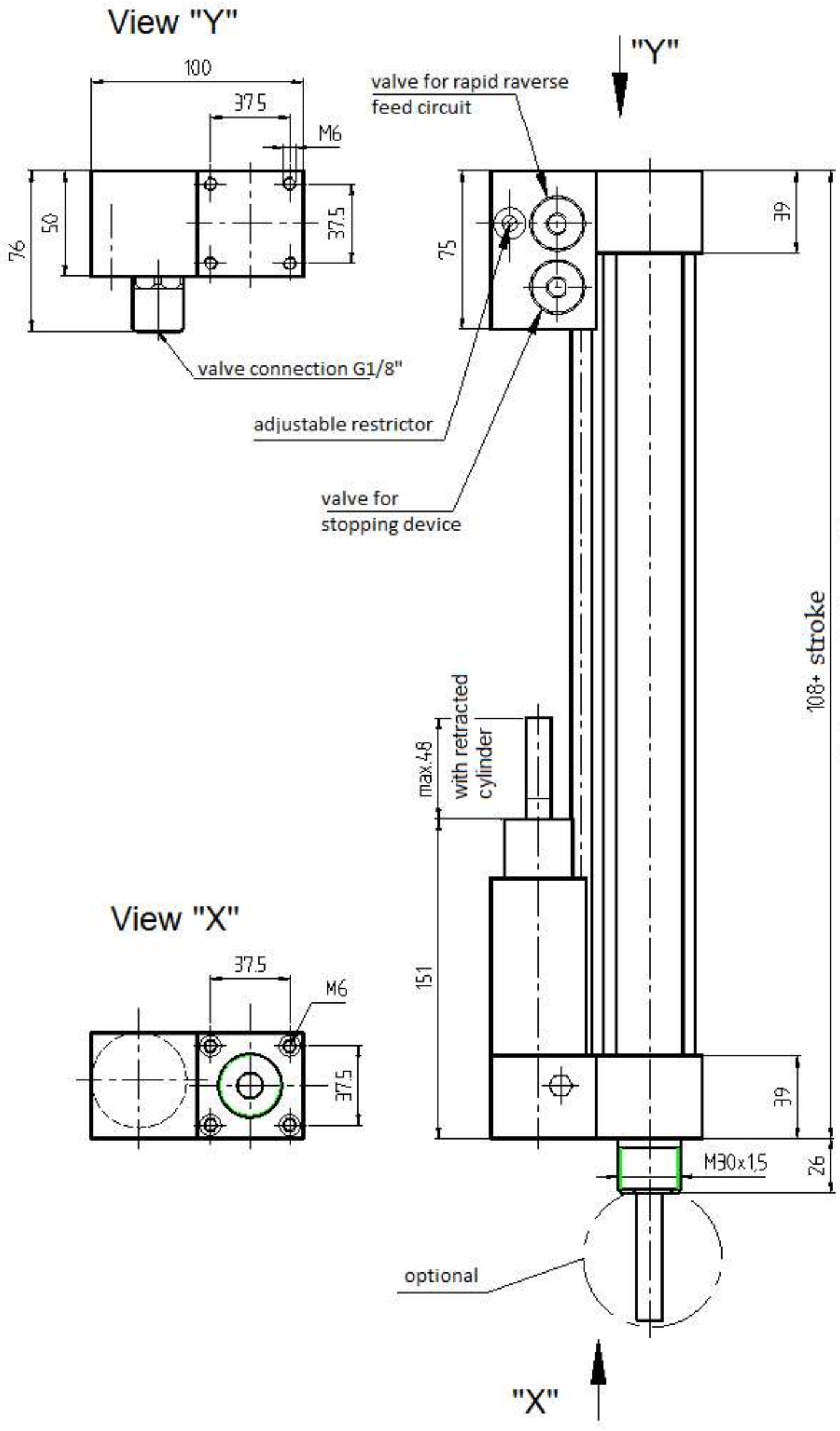


Technical data:

Stroke length:	Up to 900 mm = standard to ca. 1700 mm possible
Mass to be braked:	For a Ø32 cylinders, at a rapid traverse feed or stop, approx. 2180N, For a Ø40 cylinders, at a rapid traverse feed or stop, approx. 3510N Without rapid traverse feed or stop Ø32, approx. 3510, at Ø40, an approximate 5490N
Feed speed:	Approx. 0 - 3 m/min; however, this depends on the size of the mass to be decelerated
Rapid traverse speed:	Approx. 4 - 6 m/min; however, this depends on the size of the mass to be decelerated
Mounting:	any
Operating range:	0 to +80°C
Materials:	- Housing: anodized aluminum - Rod C45 HC - Seals: nitrile, polyurethane

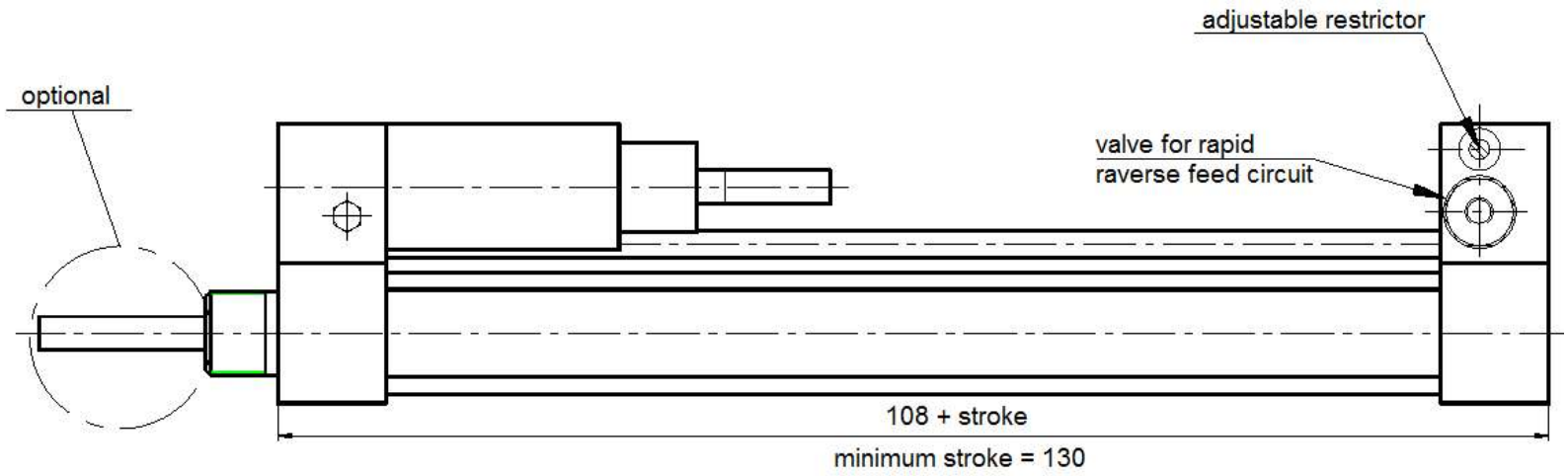
Oil brake cylinder D

rapid traverse feed circuit
and stopping device

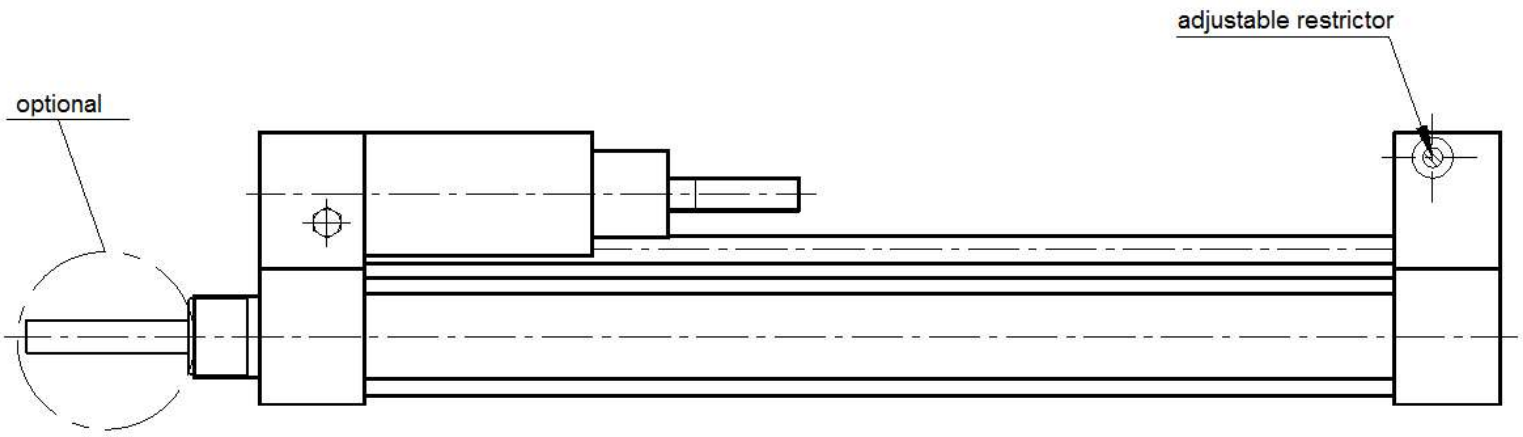


Technische Änderungen vorbehalten

Oil brake cylinder D
rapid traverse feed circuit



Oil brake cylinder D



The ends for the piston rod are available in different versions
external thread internal thread Without any thread

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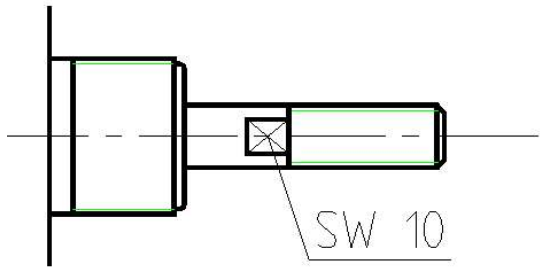

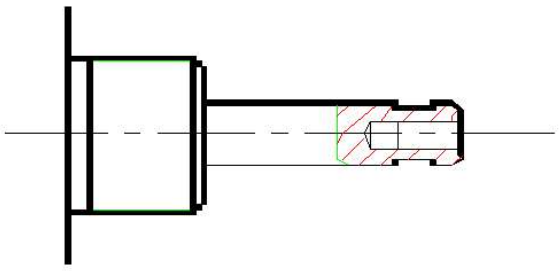

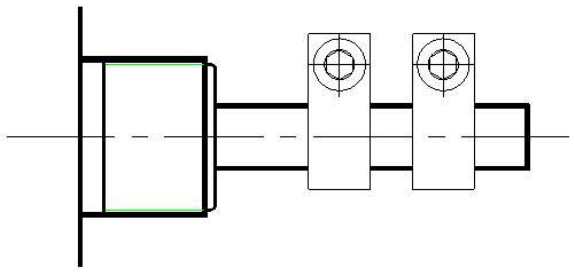

Technical data:

Stroke length:	Up to approx. 400 mm due to the risk that the piston rod could buckle
Mass to be braked:	For a Ø32 cylinders, at a rapid traverse feed or stop, approx. 2180N, For a Ø40 cylinders, at a rapid traverse feed or stop, approx. 3510N Without rapid traverse feed or stop Ø32, approx. 3510, at Ø40, an approximate 5490N
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Mounting:	any
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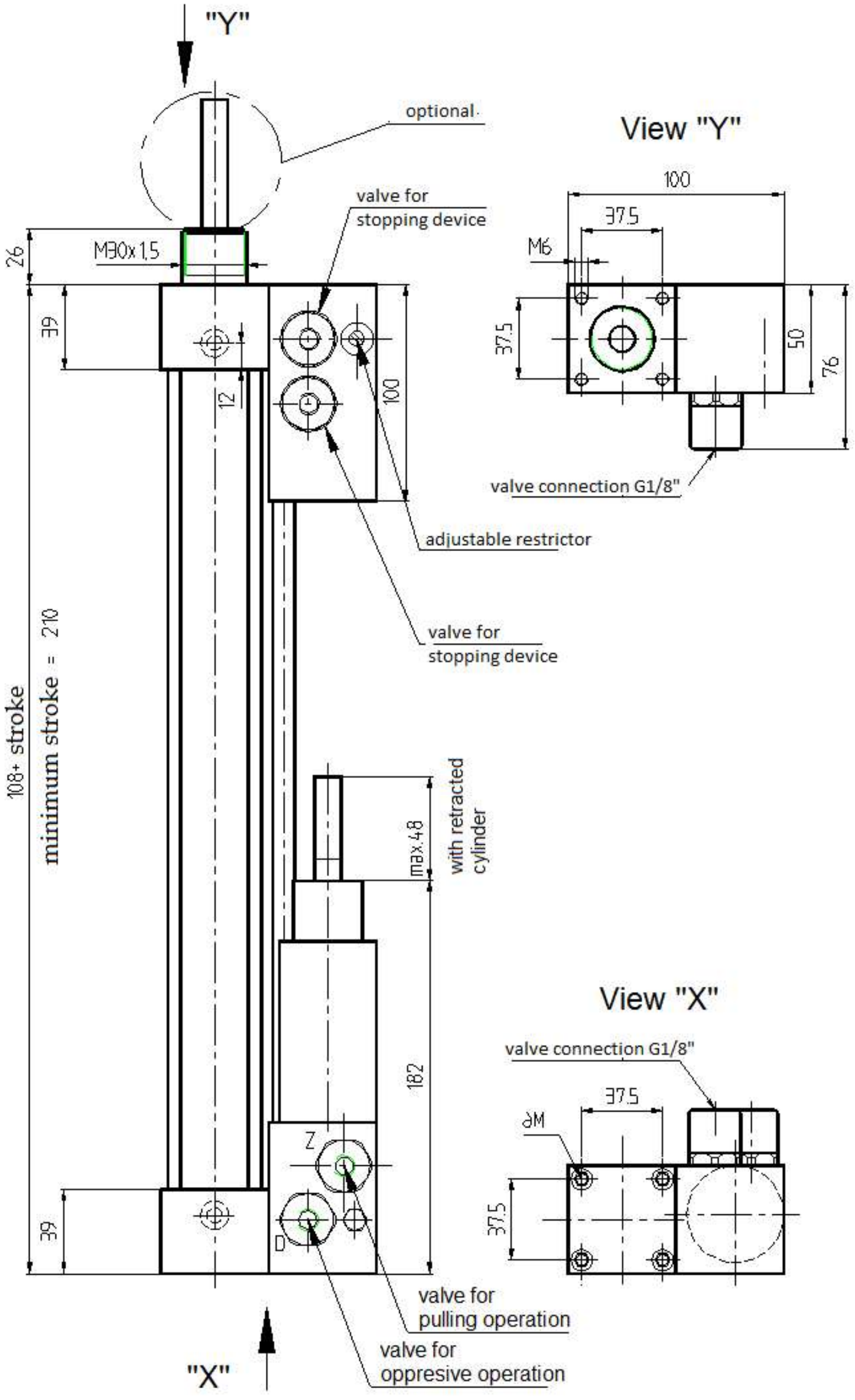
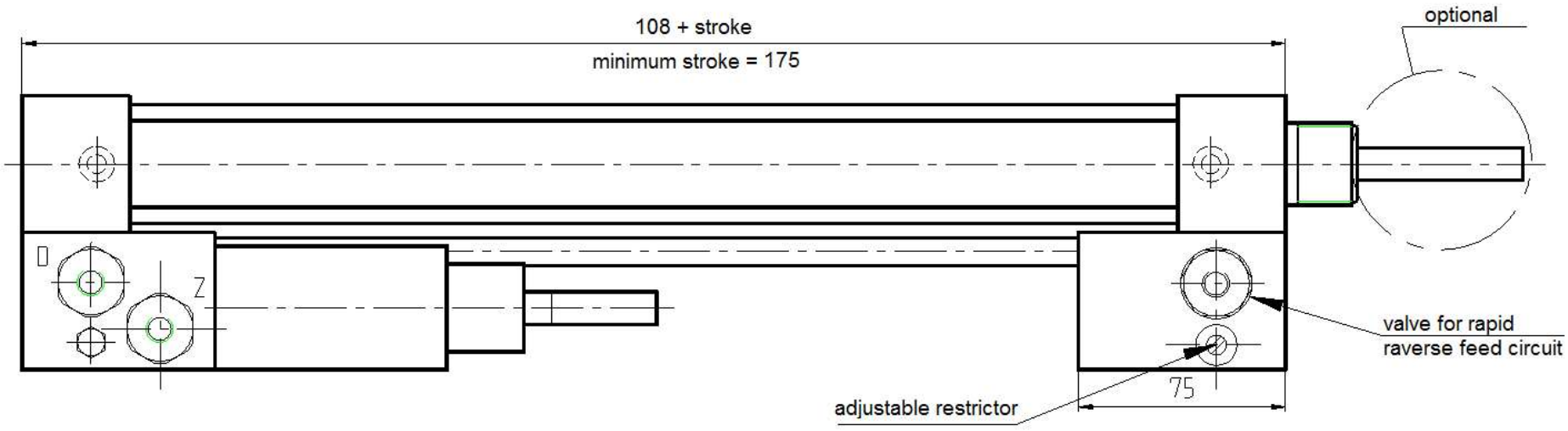
Oil brake cylinder Z and D

rapid traverse feed circuit
and stopping device

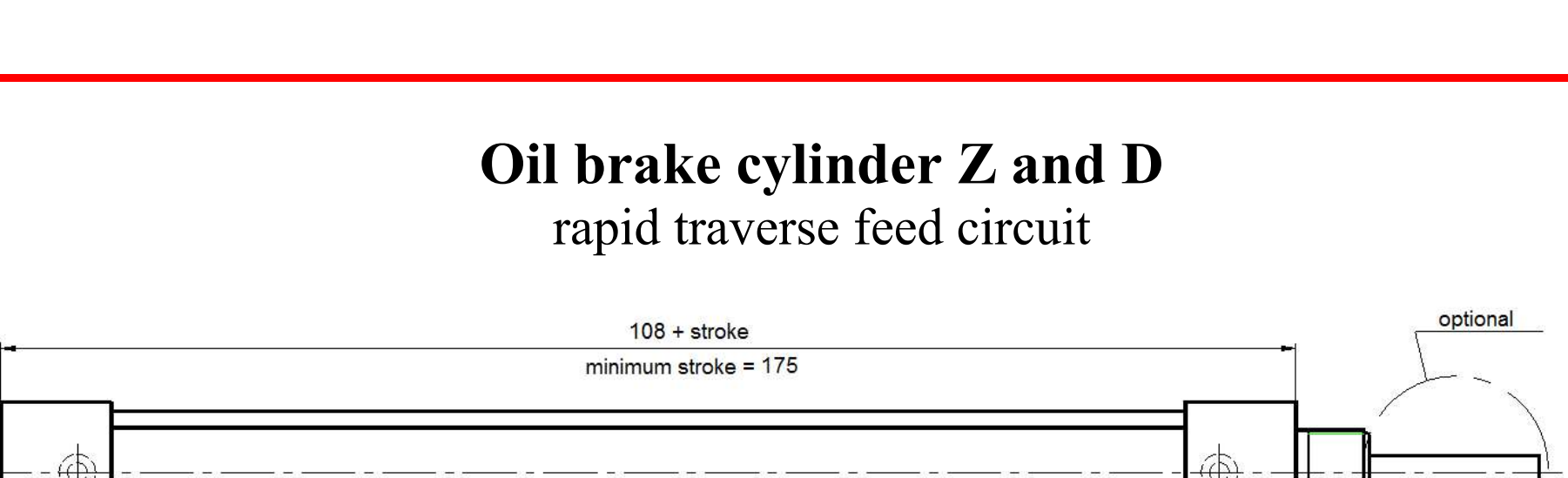


Oil brake cylinder Z and D

rapid traverse feed circuit



Oil brake cylinder Z and D



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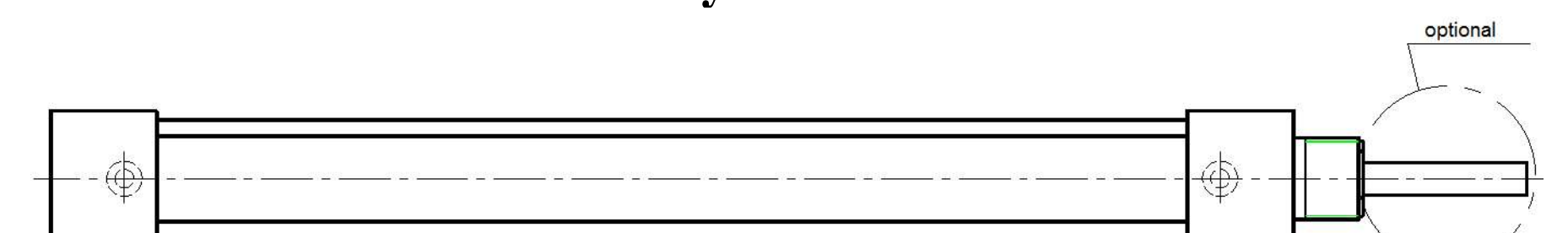

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