

Covers for every purpose

From water extraction to ecological meteoric water treatment: ROMAG solutions

Certified: ISO 9001 / ISO 3834-2

Wherever an accessible or drivable manhole has to be covered water- or gas-tight, ROMAG finds the right solution.

The customer can choose from a comprehensive product portfolio for the cover that meets exactly his requirements and ROMAG will make to measure.

The broad ROMAG manhole cover product programme has evolved over decades of practical experience. ROMAG can offer the right cover for every type of access, maintenance or installation shaft in the drinking water and wastewater sector, customised and made of stainless steel.

However, ROMAG also supplies manhole covers for loads up to 25 tonnes or 40 tonnes.

Opening aids and safety devices

Trafficability up to 40 tonnes

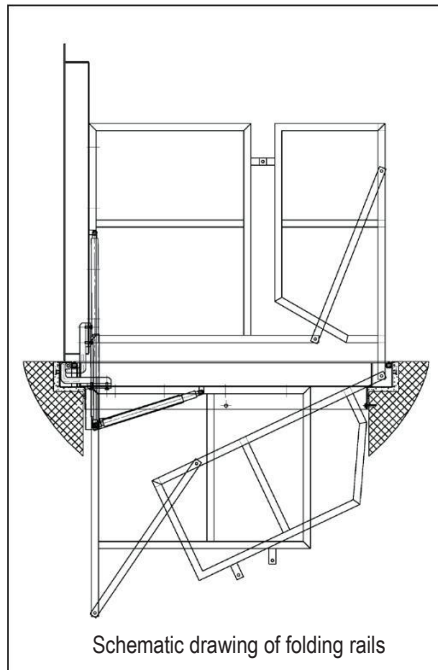
A recessed handle is all that is needed to open light lids. Lids weighing several tonnes are fitted with opening aids, holding devices and safety bars. Gas struts with integrated safety retaining devices are commonly used. For example, ROMAG supplied a 3 x 2.8 m cover with hydraulic cylinder and control panel for the grease collection point of the ERZ (Zurich Waste Disposal and Recycling Centre); this allows the cover to be opened and closed several times an hour.

The manhole covers are usually rectangular. Depending on their intended use, they are designed to be either walkable or drivable. Manhole covers that can be walked on are often only surface-mounted, while those that can be driven on must be "recessed" (i.e. at ground level). The covers are manufactured with smooth, polished or corrugated stainless steel sheets, with a wide variety of profile reinforcements on the underside. Driveable covers are often also coated with the surface of the surrounding road (bitumen, paving stones, ceramic tiles). They are normally designed for vehicles up to 15 tonnes total weight.

The closure systems are just as varied as the opening aids - from screw caps and pressure cylinders to multi-bolt closures.



Neuhof Baar:
Flood relief and storage channel
Accessible cover with folding rails (small cover on the left).



Technical information

Material	304 L 316 L
Load classes according to EN 124	3 kN 15 kN 50 kN 125 kN 250 kN 400 kN
Tightness	Water Odours Gas
Dimensions	according to customer requirements
Force to open the cover	is possible with only one hand

Rails and stairs

Folding railings and pull-up stairs made of stainless steel are among ROMAG's specialities. The folding rails stow away automatically when the cover is closed and easily unfold the next time it is opened. ROMAG's pull-up stairs have proven their worth in access and maintenance shafts of wastewater systems, which do not come into contact with the wastewater under the cover and remain clean.

Waterproof to odourproof

In many cases, it is sufficient to make the manhole cover watertight. ROMAG's gas-tight covers are used for sewage systems, where all joints are sealed with permanently elastic, UV-resistant rubber, which guarantees years of odour-tightness. ROMAG has a wide range of standard covers in standardised sizes. Please ask for our quotation or our tender text.

Drahtschmidli Zurich:

Overflow spillway
Accessible manhole covers with gas pressure strut and retaining device, folding railings and pull-up steps.

ARA Werdhölzli Zurich:

Large manhole cover at the grease collection point. The cover is opened and closed several times an hour using a control panel and hydraulic cylinder.

Client

ERZ Entsorgung und
Recycling Zurich



Drahtschmidli Zürich



ARA Werdhölzli Zürich



Round cover
"ROMAG Special"

