



HOOK

UNLOCK AND OPEN: A COMPLETE SYSTEM



The **Hook** system extends the possibility of Valifter lifting systems, allowing them to be mechanically anchored to manholes. **Hook** is available in different sizes to allow operation on manholes of different dimensions.

Hook allows to break the incrustations, even the most consistent, on the manhole covers through the action of the **tierods**. The mechanical bar can be used as a manhole cover unblocking device or as a lifting accessory, together with the manhole cover **opening** trolleys.

Hook complies with the provisions of the Machinery Directive 2006/42/EC, the Atex Directive 2014/34/EU and further harmonized standards, for use in ZONE 1 and ZONE 2.



CODE	PRODUCT	REACH (KG)	WEIGHT (KG)	DIMENSIONS	KEYS USED
A-C-S2H30	Hook 30*	180	3,2	40x18x14	Set 6 single V Keys
A-C-S2H60	Hook 60*	180	4,5	60x18x14	Set 6 VS Keys pairs
A-C-S2H80	Hook 80*	180	6	90x18x14	Set of 6 V Keys Pairs
A-C-S2H100	Hook 100*	180	7,3	110x18x14	Set of 6 V Keys Pairs
A-C-S2H120	Hook 120*	180	8,3	130x18x14	Set of 6 V Keys Pairs

*The numbers below Hook indicate the maximum width or diameter in centimeters of the manhole covers that can be moved using the two tie rods. To perform unlocking operations on larger manhole covers, you can perform the operation using a snap point at a time.

CODE	OPTIONAL
A-AWO	Open Ratchet
A-C-S2H62	Plus Attachement
A-C-H2	Extreme arms for Hook

STANDARD
Hook carrying bag
V Keys set with accessories
VS Keys set with accessories* *only with Hook 60 bar

The capacity of the Hook



The **Hook System** extends the Valifter's lifting system possibilities, allowing them the mechanical anchoring on the manhole covers.

Hook is unique in that it also integrates the unlocking function: thanks to the system of **interchangeable keys** and the action of the tie roads, you can unlock manholes of all shape and size, even with encrustations caused by tar, asphalt and salt.

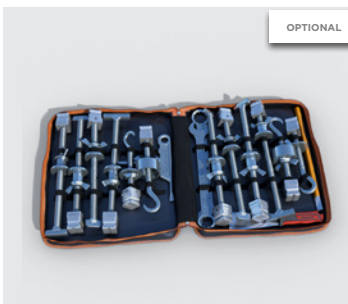
Opening manhole covers without hooking points



For all non - magnetic manholes covers (without a hooking filled with stone or concrete), it is recommended to create a new attachment point which guarantees a **secure grip** by means of the opening devices. The lasting transformation makes the opening operation easy and regulatory-compliant.

Transformed manhole covers could be lifted using the **Hook bar with PLUS connection**

THE ACCESSORIES



OPTIONAL

Kit keys

The Keys allow a quick and safe hooking of the manhole covers thanks to the screw-on clamping element that safeguard the grip.



OPTIONAL

Extreme Arms for Hook

The extreme arms are easily applied to the Hook bar, shift the center of gravity of the load in favor of reducing effort and improving ergonomics.



OPTIONAL

Plus Attachement

Accessory for opening manhole covers equipped with screws and retractable grab rails. This possibility allows you to grip manhole covers without attachment points.



OPTIONAL

Open Ratchet

Opening ratchet wrench for fixing F and FS keys. It simplifies and speeds up the operations of opening manhole covers.