



BREAKING BARRIERS IN FIRE FIGHTING



DRILL-X

DRILL-X is designed in unprecedented efficiency to extinguish difficult to reach fires without any safety risk and additional oxygen input. The revolutionary drive and innovative drilling technology ensure to penetrate to the origin of a fire in less than 20 seconds. The precise and manually adaptive water mist extinguishes the fire within seconds.

DRILL-X is the world's first extinguishing tool that combines drilling and extinguishing in one device.

DRILL-X revolutionizes firefighting through its effectiveness, safety and flexibility. The unique strength of DRILL-X is particularly evident in fires which are difficult to access, especially fires in the roof framework.



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HOW DOES IT WORK?

1. PICK AND PLACE

Connection to standardized pressure hose on existing vehicle applicable.



2. POSITIONING

By aerial ladder on roofs or walls for the external attack close to the fire source.



3. DRILLING

Driven by hydraulic energy of the water for firefighting. Penetration of the basic structure of a building within a few seconds.



4. EXTINGUISHING

Targeted extinguishing of the fire source through manually adjustable spray angle and finest atomization of the water drops.



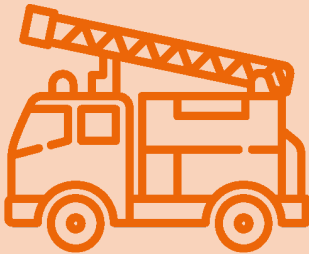


REQUIREMENTS?



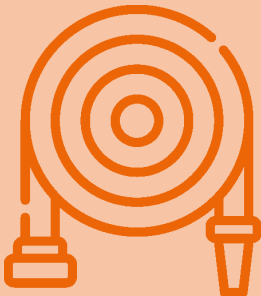
Perfectly suitable for one-person operation

ergonomic and save operation



Useable with standard equipment

(standard-hose connection, aerial rescue device, water supply, breathing apparatus for smoke formation)



Water pressure min. 8 bar

Working pressure 10 bar | Max. pressure 16 bar

WHY USING DRILL-X?

Dangerous or so far uncontrollable situations can be brought under control within shortest time.

SAFE

Due to finest atomization of waterdrops an extremely large cooling surface can be produced and water up to 800 l/min is fed directly into the origin of the fire.

EFFECTIVE

Access from the outside to the origin of the fire takes place in shortest amount of time with no additional external oxygen import.

RAPID

Ready to use on any existing vehicles with standard equipment.

FLEXIBLE



MISSION?

WHERE TO USE

Houses, halls, historical buildings, industry, containers, airports, ports, ships

HOW TO USE

Penetration of the exterior shell (roofs/walls)

WHEN TO USE

Very high fire load
Closed structures
No access to the fire source
No access to the fire area



PERFORMANCE IN FIGURES

DRILLING

Water quantity	100 – 200 l / drilling process
Drilling depth	425 mm
Drilling time	20 sec (Standard roof with air insulation and steel sheet roofing)
Safety	Deadman`s switch (Inhibits power immediately)
Abrasion	Drilling head with quick change system/indexable insert

EXTINGUISHING

Main jet	Spraying angle 40 and 60 degrees
Second water jet	Spraying angle 120 – 150 degrees (for extensive coverage)
Flow rate	180 – 800 l/min (proportional to the spraying angle)
Extinguishing media	Water/heavy foam/CAFS



TECHNICAL DATA

DIMENSIONS AND WEIGHT

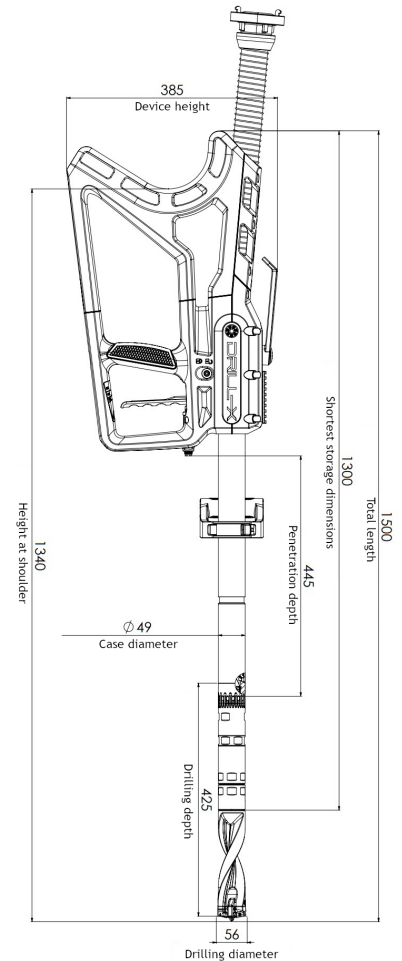
Empty weight	10,2 kg
Drilling diameter	56 mm
Penetration depth	445 mm
Drilling depth	425 mm
Shortest storage dimensions	1.300 mm (without tools)

PERFORMANCE AND FLOW RATE

Maximum output	1.000 Watt at 800 l/min
Operating pressure	10 bar
Maximum pressure	16 bar

OPERATING RESSOURCES

Operating resources	Water Heavy foam CAFS
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SCIENTIFICALLY VALIDATED – PROVEN IN FIREFIGHTING



powered by

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