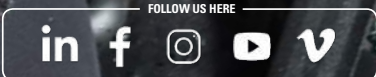




EDD TECHNOLOGY

GOING BEYOND HYDRAULICS

RESQTEC®
WWW.RESQTEC.COM



EDD TECHNOLOGY

GOING BEYOND HYDRAULICS. ELECTRONIC DIRECT DRIVE.



TWO-WAY POWER
Proven screw spindle technology delivers full power – both ways.



EFFICIENT
Eliminating hydraulics means more overall efficiency and long battery runtimes.



SAFE
No pressure for smooth cutting & no risk of leakages, contamination or hydraulic injection.



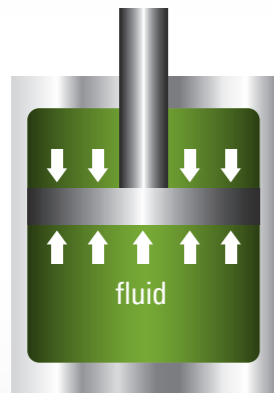
RELIABLE
Robust components such as a gearbox and screw spindle offer increased reliability & durability.



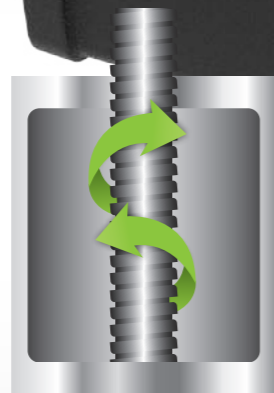
COMPACT
No hydraulic reservoir or pump, for smaller tools and freedom to work from all angles.

A NEW ERA STARTS FOR RESCUE EXTRICATION EQUIPMENT. For the first time ever, the need for hydraulics is completely eliminated in a complete line of extrication equipment. No need for a hydraulic pump, fluid, piston, valves or seals. Electronic Direct Drive (EDD) directly converts battery power – from a compact, powerful and efficient motor – to output force.

HYDRAULIC BATTERY TOOLS



- +
- valves
- +
- pump
- +
- gearbox
- +
- motor



- +
- gearbox
- +
- motor



EDD FUNDAMENTALS

Fewer steps means greater efficiency. High-energy consuming components (a hydraulic pump, fluid, valves, seals & tubing) all reduce the battery's runtime, as they use precious battery energy. Eliminating these steps greatly boosts the system's efficiency.



UNIQUE MOTOR TECHNOLOGY

Motor technology is what makes EDD possible. Running close to 90% efficiency, it produces more than a staggering 1.4 kW, which is similar to small gasoline engines currently used in hydraulic pumps.

SCREW SPINDLE TECHNOLOGY

Screw spindle technology, proven in many other mechanical & industrial applications, is using a highly efficient spindle to transfer power by a rotating movement.

VARIABLE SPEED & IMMEDIATE RESPONSE

Get immediate reaction. Without pressure, the screw spindle and gearbox allow the control handle to work like an accelerator. Turn it up and straight to work.

CONTAMINATION-FREE

No matter the circumstances - EDD is usable in any environment. No more exposure to fluids or toxic exhaust gasses and the chance of hydraulic injection. Just pure mechanics.

LOW MAINTENANCE

Without fluids, leakages are a thing of the past. EDD simply requires less maintenance.

MORE SILENT THAN EVER

No pump. Less noise. Less stress for the victim.



BATTERY BUMPER

For quick & easy battery handling



UPGRADED 360° CARRYING HANDLE

With improved balance & operation

CENTRAL CONTROL HANDLE

For direct access, from all sides



HIGHLY VISIBLE LED

Large & highly visible LED-buttons



ALL WEATHER PROOF

Rain, storm or thunder – with the IP67 connector, even the heaviest of storms is bearable.



FULL VARIABLE SPEED

Variable speed & immediate response



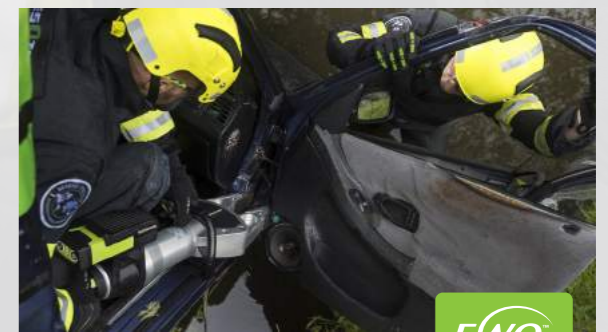
LATEST LI-ION TECHNOLOGY

EDD tools are powered by the latest lithium-ion technology. The batteries conform to the IEC 62133 safety standards and the UN 38.3 shipping requirements for lithium batteries.

X-SERIES

SMALL SIZE, GREAT PERFORMANCE

Freedom to move, that's what the compact X2 EDD provides. It is exactly what you want from a battery tool – the perfect combination between size and power, to ensure optimal control.



EWO TECHNOLOGY

Focus on the job, not the tool handling. Simple ergonomic features such as improved tool balance and the new 360 degree carrying handle, for ease and comfort. And with a control handle that allows full control from any position, EWO helps getting the job done.



X2 EDD SPREADER

Nominal input	43.2 VDC
Dimensions (L x W x H)	823 x 273 x 235 mm (±10 mm)
Operational weight incl. Power Pack 1	20.5 kg (±0.2 kg)
Weight excl. battery	19.5 kg (±0.2 kg)
Max. spreading opening	607 mm
Spreading force at base of arm teeth ¹	105 - 342 kN / 10.7 - 34.9 ton
Max. pulling opening	426 mm
Pulling force	45.9 - 91.2 kN / 4.7 - 9.3 ton
Squeezing force at base of arm teeth ¹	66.3 - 120.9 kN / 6.7 - 12.3 ton
EN 13204	Compliant
NFPA 1936	Compliant

V-SERIES

VITAL TODAY, READY FOR TOMORROW

Rams. A vital tool in today's rescue world, where cross ramming has become fundamental for extrication. By being compatible with Profix Max, and without a pump and hose, the EDD V-series' possibilities are endless. Ready for any scenario, today or tomorrow – all with one ram.

Simply add extensions, or add up to 880 mm extra length by combining it with a Profix Max.



FOR MORE EXTENSIONS

PAGE 19

FULLY INTEGRATED

Customize your ram to the situation at hand, by combining Profix Max attachments to your V4 EDD. To use it in the smallest of spaces, or to cover even the most extreme distances.



V4 EDD RAM

Nominal input	43.2 VDC
Dimensions incl. detachable rear jaw (L x W x H)	636 x 133 x 355 mm
Max. extended length	936 mm
Max. stroke	300 mm
Operational weight incl. Power Pack 1	16.4 kg (±0.2 kg)
Weight excl. battery	15.4 kg (±0.2 kg)
Spreading / pushing force	58.8 kN / 6.0 ton



G-SERIES

SAFE. SMOOTH. CONFIDENT.

Smooth and safe. No hydraulics means no more contamination and a steady cut.

EDD provides safety and confidence. The confidence to do your job.



IMPROVED 360° DESIGN

The 360° carrying handle was already a feature unique to Resqtec extrication equipment. With the new 360° handle, the design got even better: still 360° for optimal control, but with improved shape and size.



G4W EDD CUTTER

Nominal input	43.2 VDC
Dimensions (L x W x H)	759 x 236 x 228 mm
Operational weight incl. Power Pack 1	15.9 kg (±0.2 kg)
Weight excl. battery	14.9 kg (±0.2 kg)
Max. cutting opening	156 mm
Max. cutting force ¹	554 kN / 56.5 ton
Round bar capability	30 mm
EN 13204	Compliant
NFPA 1936	Compliant



G6W EDD CUTTER

Nominal input	43.2 VDC
Dimensions (L x W x H)	854 x 268 x 235 mm
Operational weight incl. Power Pack 1	19.9 kg (±0.2)
Weight excl. battery	18.9 kg (±0.2)
Max. cutting opening	185 mm
Max. cutting force ¹	1052 kN / 107.2 ton
Round bar capability	34 mm
EN 13204	Compliant
NFPA 1936	Compliant



G6C EDD CUTTER

Nominal input	43.2 VDC
Dimensions (L x W x H)	855 x 268 x 235 mm
Operational weight incl. Power Pack 1	20.3 kg (±0.2 kg)
Weight excl. battery	19.3 kg (±0.2 kg)
Max. cutting opening	203 mm
Max. cutting force ¹	1102 kN / 112.3 ton
Round bar capability	34 mm
EN 13204	Compliant
NFPA 1936	Compliant



TRUE COMBITOOLS

EDD makes up for what hydraulics lack. Hydraulic battery tools cannot provide high power on the return stroke, as the piston's usable surface in the backward direction is limited. EDD has no hydraulics: a screw spindle is all that moves back and forth. Meaning more available power in both directions, and true combitools at your disposal.

FX-SERIES

PERFORMANCE UNLIKE ANY OTHER

Two-way power. Impossible for hydraulics, exemplary for EDD. By providing equivalent power on both the return stroke and the outward stroke, the Fx-series are built to maximize their cutting and spreading performance. A revolution for combitools – one that only EDD can offer.



FX4 EDD CUTTER

Nominal input	43.2 VDC
Dimensions (L x W x H)	856 x 236 x 228 mm
Operational weight (incl. Power Pack 1)	17.0 kg (±0.2)
Weight (excl. Power Pack 1)	16.0 kg (±0.2)
Max. cutting opening	283 mm
Max. cutting force ¹	720 kN / 73.4 ton
Max. spreading opening	350 mm
Spreading force at base of blade (last tooth) ¹	103 - 1080 kN / 10.5 - 110.1 ton
Max. pulling opening	272 mm
Pulling force	52.9 - 62.9 kN / 5.4 - 6.4 ton
Round bar capability	33 mm
EN 13204	Compliant
NFPA 1936	Compliant



FX6 EDD CUTTER

Nominal input	43.2 VDC
Dimensions (L x W x H)	950 x 268 x 235 mm (±10mm)
Operational weight (incl. Power Pack 1)	21.4 kg (±0.2)
Weight (excl. Power Pack 1)	20.4 kg (±0.2)
Max. cutting opening	349 mm
Max. cutting force ¹	1107 kN / 112.8 ton
Max. spreading opening	429 mm
Spreading force at base of blade (last tooth) ¹	107 - 1357 kN / 10.9 - 138.3 ton
Max. pulling opening	328 mm
Pulling force	65.9 - 82 kN / 6.7 - 8.4 ton
Round bar capability	38 mm
EN 13204	Compliant
NFPA 1936	Compliant



61° The ability to rotate its head by 61° enables spreading and cutting in tight spaces. It can even work around corners.

P4-SERIES

POWER AND VERSATILITY



SWITCH



The P4 is a true "must have" for any Rapid Response rescue team. Being interchangeable, it can be converted from being a dedicated spreader to a cutter or combitool within seconds.

The P4 is already a trusted tool for many special teams such as the military, USAR teams and fire brigades. It brings battery-powered rescue tools to a whole new level. Power and versatility – all in one tool.

The P4 utilizes aerospace technology, developed for military fighter jets, in combination with the latest electric motor and Lithium-Ion battery innovations. Without hydraulics, the P4 requires little to no maintenance and offers extremely long battery runtimes.



It takes you into places and completes jobs no other rescue tools can.



Compact, an IP67 battery connector rating and long-lasting batteries. The P4 is the ideal rescue tool for rapid intervention.



SPREADER P4X

CUTTER P4W

FRONTLINER P4FX



The P4 control handle comes in different flavors. Having the option for a short control handle downsizes the P4 even further, making it ideal for confined space rescue operations.



SPREADER P4X

Nominal input	43.2 VDC
Dimensions (L x W x H)	711 x 271 x 274 mm (±10 mm)
Rear 360° carry handle	Optional (Art. Nr. 4250.1065)
Operational weight incl. Power Pack 1	20.0 kg (±0.2 kg)
Weight excl. Power Pack 1	19.0 kg (±0.2 kg)
Rotating head angle	61°
Max. spreading opening	401 mm
Spreading force at base of arm teeth ¹	89.6 - 3739 kN / 9.1 - 381 ton
EN 13204	Compliant
NFPA 1936	Compliant



CUTTER P4W

Nominal input	43.2 VDC
Dimensions (L x W x H)	705 x 271 x 274 mm (±10 mm)
Rear 360° carry handle	Optional
Operational weight incl. Power Pack 1	20.6 kg (±0.2 kg)
Weight excl. Power Pack 1	19.6 kg (±0.2 kg)
Rotating head angle	61°
Max. cutting opening	153 mm
Max. cutting force	543 kN / 55.4 ton
EN 13204	Compliant
NFPA 1936	Compliant



FRONTLINER P4FX

Nominal input	43.2 VDC
Dimensions (L x W x H)	765 x 271 x 274 mm (±10 mm)
Rear 360° carry handle	Optional
Operational weight incl. Power Pack 1	21.8 kg (±0.2 kg)
Weight excl. Power Pack 1	20.8 kg (±0.2 kg)
Rotating head angle	61°
Max. spreading opening	319 mm
Spreading force at base of jaw	58.1 - 106.6 kN / 5.9 - 10.9 ton
Max. cutting opening	236 mm
Max. cutting force ¹	321 kN / 32.7 ton
EN 13204	Compliant
NFPA 1936	Compliant
Round bar capability (S235 acc. to EN 13204)	29mm

EDD EQUIPMENT P4 ACCESSORIES



COMPLETE YOUR KIT WITH THE POWER PUSHER RAM



AIRCRAFT JAW SET



MAINS POWER ADAPTER

A mains power adapter allows you to work without batteries. Connected to 110 or 220V, the mains power adapter enables any EDD tool to operate continuously. Without interruption.



The vehicle charger charges your batteries on board of any rescue vehicle, by simply connecting it to any in-vehicle power source – whether it is 110/220V, or with the special converter to 12/24V.



RECHARGEABLE LED



BATTERY BACKPACK 10 EDD



POWER PACK 1 EDD



VEHICLE CHARGER



BATTERY CHARGER EDD

SPECIFIC EDD RAM ACCESSORIES



MULTI SWIVEL



MULTI SWIVEL WITH RINGHANDLE



EDGE SUPPORT



BEAM SUPPORT



CROWN



FIXED BASE



RHINO



POWER PLATE



POWER PLATE PLUG



MULTI CONNECTOR



RAM ADAPTER



RAM SUPPORT



PREFIX MAX¹



EXTENSIONS¹
Available in 5 sizes

¹Limitations in use of accessories apply.



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