ECHLE®
Intelligente Lösungen für Baumaschinen

HIGH-LIGHTS 2026

FOR CONSTRUCTION EQUIPMENT

ECHLE PROTECTOR E4



MOST INNOVATIVE FOPS on the market

MADE IN GERMANY

PROTECTOR E4

The PROTECTOR E4 is the most innovative generation of **FOPS protective equipment** to date.

Compelling **benefits**:

- ☑ **Safety** tested and certified according to ISO 10262 category 2 (Level II)
- ⊕ **EASY-LIFT function:** effortless **tilting** of the front guard from the floor or the cabin thanks to gas pressure springs
- ⊕ **Easy to self-install** by fitting onto the cabin's existing mounting points
- ⊕ **Optimal visibility** by the alignment of the front and top guard bars with the field of vision
- ⊕ **Cleaning** of the top window easy made by the liftable roof hatch
- ⊕ **Installation height** reduced to the minimum of 40 mm
- ⊕ **Road use** remain approved for wheel excavators
- ⊕ **Patented**



PROTECTOR E4
available for current models of following brands:

- **Atlas**
- **CASE**
- **Caterpillar**
- **Develon**
- **Hitachi**
- **Hyundai**
- **JCB**
- **Kobelco**
- **Komatsu**
- **Liebherr**
- **Volvo**

All others on request.

EASY-LIFT function

Lift-Tilt-Cabin

The lift-tilt-cabin combines height adjustment with an ergonomic tilt function, ensuring maximum comfort and reduced effort. Following modification, the cabin can be tilted continuously up to approximately 30°. The tilting action is achieved by using hydraulic cylinders, and the cabin is held in position by a balancing valve.



Polycarbonate FOPS

The front protection is fitted directly to the cab in place of the original windscreen, providing an optimal field of vision without any visual obstruction caused by steel bars. Cab protection in accordance with ISO 10262 Category 2 (Level II) and ISO 21876 for forestry work.



Powerhand - Vehicle Recycling System

ECHLE is an exclusive dealer of Powerhand products, which enable you to maximise the residual value of end-of-life vehicles. These systems are compatible with standard machines with a capacity of between 14 and 30 tonnes.



FlexGuard - Cylinder Protection

The FlexGuard protection system provides a bespoke barrier against minor mechanical damage to the piston and reliably prevents dirt, dust and other contaminants from entering the hydraulic system.



Long Reach Front

We have expanded our range and now offer, even at very short notice, long-reach booms for excavators from all manufacturers. These booms, with a reach ranging from 7 to 28 m, are suitable for machines from 3 up to 125 tonnes. To reduce costs, the lifting cylinders and the original stick cylinder can be used for the conversion.



CM-PARTS.COM

The new online shop dedicated to construction equipment accessories: CM Parts, a brand of the ECHLE Group, is the go-to source for high-quality components and accessories for construction equipment. Our online shop offers not only our own products, but also a wide selection of accessories, spare parts, and wear parts, including auxiliary equipment, blades, bucket teeth, and much more!

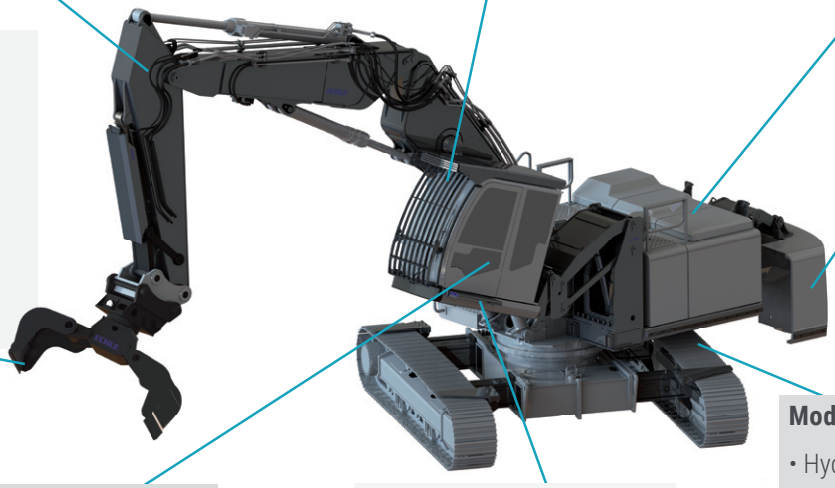


LEADING IN CONVERSIONS & PROTECTIVE EQUIPMENT

Boom modification
- Quick-change systems
- Manufacture of new booms
- Boom stretching / boom extension / boom shortening
- Protective structures / cylinder guards
- Stick extensions / stick shortenings
- Additional sticks

Protective structures
- PROTECTOR E4 (ISO 10262)
- Retractable FOPS (ISO 10262) – THE ORIGINAL
- Hinged FOPS (ISO 10262)
- Frame-mounted FOPS (ISO 10262)
- Polycarbonate FOPS (ISO 10262)

Modification of the upper carriage
- Electrification with trailing cable
- Electrification by rechargeable batteries
- Electrification as hybrid
- Impact-absorbing buffers
- Reinforcements
- Protective devices



Attachments
- Buckets
- Grapples
- Hammers
- Shears / pulveriser / crusher
- Loading shovels

Modification of counter-weights
- Hydraulically removable counterweights
- Additional counterweights
- Individual counterweights

Cabin modification
- Lifting and tilting cabins & lift-tilt cabins
- Protective glazing
- Tinted windows
- Driver seats
- Joysticks

Accessories
- Handrails / steps
- Dust suppression systems
- Magnet systems
- Central lubrication systems
- Miscellaneous

Modification of undercarriages
- Hydraulically adjustable undercarriage
- Narrowing the undercarriage
- Expansions of the undercarriage
- Lengthening of the undercarriage
- Chain scrapers
- Dozer blades / support blades
- Dome covers

YOUR DIRECT CONTACTS



Frédéric Wengert
Head of International Sales
+49 7834 86 559 613
f.wengert@echle.de



Manuel Hock
Technical Internal Sales
+49 7834 86 559 615
m.hock@echle.de



Franziska Moser
Internal Sales
+49 7834 86 559 618
f.moser@echle.de

© 2026. ECHLE Hartstahl GmbH. All rights reserved.

echlehartstahl
echle_hartstahl
echle-hartstahl
echle_hartstahl
EchleHartstahl

ECHLE Hartstahl GmbH
Untere Zinne 6
77709 Wolfach / Germany
T: +49 7834 86 559 - 0

sales@echle.de
www.echle.de
www.cm-parts.com

ECHLE®
Intelligente Lösungen für Baumaschinen