

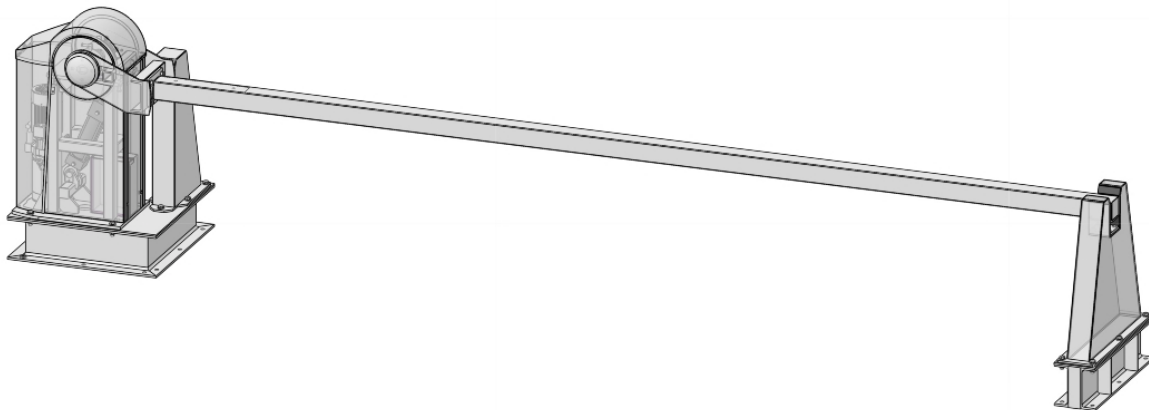
## Performance text „electrohydraulic barrier“

### Scope of application:

Drive-through barrier, for impact loads from 15 up to 25 KN.

### Design type:

Stable, electrohydraulic barrier system with a maximum opening moment of 7 KNm, consisting of TÜV model tested barrier with barrier housing, barrier boom adapter and barrier boom with project specifically dimensions.



### Basic data:

Barrier width:	Maximum up to 10 meters
Barrier boom:	steel or aluminium profile, dimensions and dimensioning projectspecific
Barrier height:	0,8 to 1m from top of floor
Opening time:	10 to 15 sec. depending on barrier boom length
Blocking effect:	The impact load of 15 up to 25KN (depending on barrier width and type of used barrier boom) can be included during the closed state, if a corresponding barrier boom support is used
Barrier frame:	Stable welded steel construction fully galvanized and powder coated. The base plate of the frame can be screwed directly onto the foundation.

Barrier fork:	Stable welded steel construction fully galvanized and powder coated. Main shaft stainless steel, D 0 60mm, 2-sided bearing in pedestal housings and sealed deep groove balls bearings
Barrier drive:	Hydraulic cylinder with electric motor-driven hydraulic unit and 5 liter oil tank integrated as a compact unit into the barrier frame
Drive motor:	three-phase motor, 2.2KW, 400 VAC, 50 Hz
Pump pressure:	adjustable up to 200 bars
Hydraulikzylinder:	D = 80mm, stroke = 300mm, nominal force = 65 KN, both end positions provided with adjustable damping, in addition with lowering brake valve as safety in the event of sudden pressure drop.
Equipment:	Valve unit, filter, hand pump, hydraulic lines as screwed hose connections
Emergency opening:	Via manual pump and manual valve actuation
Barrier housing:	Stable construction made of 2mm stainless steel, powder-coated (customer-specific) and bolted to the barrier frame. For maintenance purposes, a simple disassembly is possible.
Control:	<p>Programmable logic controller „Eaton easy“ to control the required barrier and interlock functions as well as the optional functions:</p> <ul style="list-style-type: none"> <li>- Control loop detector</li> <li>- Light beam evaluation</li> <li>- Safety edge</li> <li>- Key switch</li> <li>- custom signal exchange</li> </ul>