



## Technical questionnaire for Linear Electric - Actuators for hydraulic steelwork applications

Business address:	Date:	
	Name of contact:	
	Department:	
	Telephone: <span style="float: right;">Fax:</span>	
Trade:	E-Mail:	
End customer: <input type="checkbox"/>	Reseller: <input type="checkbox"/>	Inquiry-No.:

<p><b>Application</b> (see attached sheet <input type="checkbox"/>)</p> <p>Description: _____</p> <p>_____</p> <p>_____</p> <p>No. of units: _____</p>
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### Forces

1. Max. force pulling dyn.: ..... kN\*
2. Max. force pushing dyn.: ..... kN\*
3. Static load: ..... kN\* (if > 1. or 2.)
4. Average force at opening/closing: ..... kN or  
Load-displacement diagram

\* Concerning the required driving forces of the EHZ, please note that the partial safety factors gammaF (1.35) and gammaM (1.5) are already included in our calculations.

### Stroke

1. Working stroke: ..... mm

*In case of control applications (e.g. regulation of water level)*

- 1a. Regulation stroke: ..... mm\*\*

2. Max. stroke ..... mm (1. plus stroke reserve)  
(standard: working stroke ± 15mm)

### Times / linear speed

1. Time for opening: ..... sec
2. Time for closing: ..... sec



**Durability**

1. Number of Double Strokes per day: ..... DS/day (on average)  
(1DS = 1x run out + 1x run in)
- 1b. Number of Regulation Strokes per day : ..... RS/day (on average)  
(1xRS= 1x \*\*adjusting movement  
s. 1a)
2. Number of working-days per year: ..... days/year
3. Required lifespan: ..... years

**Protection class**

1. Standard: IP 65
2. Target: IP ..... (no operation during inundation)  
if IP 67 or 68, state: ..... m (meter water column)  
..... h (time of inundation)
3. Other environmental influences: .....

**Sensor systems**

1. Standard: - 2 integrated adjustable limit switches  
- Heating installation of stroke control unit
2. Option: - 2 integrated additional limit switches for intermediate positions  
- Integrated position measuring system