



Technical specification for the dimensioning of Electro-Mechanical Actuators for hydraulic steelwork applications

Project:

Description of application:

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Forces

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

Stroke

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