

Spline and emergency lowering:

Spline's function

An actuator with this function is only capable of pushing, not pulling, ie. when the piston rod moves in the forward position. This is a safety feature that, in a bed frame (e.g. footrest), will prevent injury if a part is caught between moving parts when the actuator retreats.

-Spline and Emergency lowering are available for con50 and con60.
Please note that the stroke length is reduced by 5 mm for con50/10mm for the con60.

-As a special option, spline can be ordered without Emergency lowering.
(another 6mm for con 50 BID (Build in Length) and another 10mm for con60 BID).

-Emergency lowering is not available without spline.

BID con50 by adding Spline and emergency lowering

Build-in Dimension BID						
Gear Ratio	Standard	Clevis Rear	Hall	IEC/ANSI/AAMI/ ES/CAN/CSA- 22.2 No 60601-1	Harsh Enviroment	Emergency lowering/spline
4, 14, 17, 24	240 + stroke	-	+ 15	+ 15	+ 14	+ 23/+ 6
49, 84	255 + stroke	-	+ 15	+ 15	+ 14	
Stroke lengths > 750 mm + 100 mm (On request)						

BID con60 by adding Spline and emergency lowering

Build-in Dimension 'BID'				
Gear Ratio	Standard	Hall	Harsh Enviroment	Emergency owering/spline
All ratios	358 + stroke	+ 15	+ 25	+ 31/+ 10
Stroke length > 400 mm + 25 mm not HE-version Stroke lengths > 750 mm + 100 mm (On request)				

Features:

- Push-only actuator.
- Option for con50 and con60.
- Spline is the three-parts device (nut) that makes it-a “push-only” actuator.
- Emergency lowering is obtained by locking mechanism close to front bracket.
- Cannot be combined with hall => no synchronizing or positioning.
- Patient hoists / Hospital beds / Hatches / Fire escape or Wine Cellar hatches or similar.
- Can you think of other applications please contact us?

[Watch on the Concens YouTube channel](#)

Disclaimer:

- Concens products are continuously developed, built and tested for highest requirements and reliability but it is always the responsibility of the customer to validate and test the suitability of our products in a given application and environment. Concens products must not be used in safety critical applications. We do our utmost to provide accurate and up-to date information at all times. In spite of that, Concens cannot be held responsible for any errors in the documentation. Specifications are subject to change without prior notice.

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