

## **Thomson WhisperTrak™ Electric linear actuator**

### **Questions & Answers**

Q: What is the maximum load the WhisperTrak actuator can handle?

A: Today 2kN, in both tension and compression, dynamic and static, but a 4kN model is soon to be launched.

Q: What are the considerations I have to make when calculating the duty cycle of the WhisperTrak actuator?

A: Maximum duty cycle at full load is 10%, see it like this, if one full cycle takes 10 seconds, then you must wait 90 seconds until you make the next cycle. Then there is a maximum on-time of 180 seconds that shouldn't be violated.

Q: Are there different drills for mounting the actuator available? If so, what are the options available?

A: Standard is 10 mm for a 10 mm pin. We can make specials if required but a minimum quantity of at least 500 pcs is required.

Q: What is the axial play in the actuator?

A: Maximum 0,5 mm. Remember that this is only noticed when the load changes direction.

Q: What is the temperature range the WhisperTrak actuator can be run at?

A: It can be run at temperature as low as -25 degree Celsius and up to +40 degree Celsius.

Q: Is the WhisperTrak actuator suitable for clean room applications?

A: It does not have a clean-room classification but with the IP67 and being completely sealed it works quite well in a clean room.

Q: Are there intermediate stroke lengths available for the WhisperTrak actuators?

A: Even if the standard strokes are in 100 mm increments from 100 to 500 mm we can make any stroke in between, it just takes a little bit longer. Most common will be 50 mm increments.

Q: Are there any plans for offering the WhisperTrak actuator with a potentiometer?

A: Yes, both an analog and a digital type of feedback is planned.

Q: How do you achieve IP 67 classification for the thrust tube?

A: The IP67 is achieved by a well proven design of the wiper and seal where the extension tube moves in and out, we have welded the housing together and have a vent for breathing to prevent a pump-behavior.