

<b>Product Series</b>	<input type="checkbox"/> con35 - <a href="#">Click for datasheet</a> <input type="checkbox"/> con50 - <a href="#">Click for datasheet</a> <input type="checkbox"/> con60 - <a href="#">Click for datasheet</a>
<b>A=Stroke Length</b>	<input type="checkbox"/> 50 <input type="checkbox"/> 100 <input type="checkbox"/> 150 <input type="checkbox"/> 200 <input type="checkbox"/> 250 <input type="checkbox"/> 300 <input type="checkbox"/> 350 <input type="checkbox"/> 400 <input type="checkbox"/> 500 <input type="checkbox"/> 750 Other: _____
<b>B=Low Noise</b>	<input type="checkbox"/> Standard <input type="checkbox"/> Low Noise (not AISI)
<b>C=Gearing</b>	<input type="checkbox"/> 05/04 (24VDC only) <input type="checkbox"/> 14/14/19 <input type="checkbox"/> 19/17/43 <input type="checkbox"/> 27/24/66 <input type="checkbox"/> 51/49/81 <input type="checkbox"/> 71/84/100
<b>D=Voltage</b>	<input type="checkbox"/> 12Vf (con35/50 only) <input type="checkbox"/> 24Vf <input type="checkbox"/> 24Vf - EN/UL 60.601
<b>E=Pitch</b>	<input type="checkbox"/> 2mm std. - con35 <input type="checkbox"/> 3mm std. - con50 (con35) <input type="checkbox"/> 4mm std. - con60 <input type="checkbox"/> 3mm 'Spline' and emer. low. <input type="checkbox"/> Nut w/magnets (positioning) Standard, operation: -20°C to +70°C (con60 max.+50°C) Standard, storage: -40°C to +70°C IEC/EN/UL60601-1, operation: +5°C to +48°C IEC/EN/UL60601-1, storage: -40°C to +70°C
<b>F=Cable Length</b>	<input type="checkbox"/> 1 meter <input type="checkbox"/> 2 meters <input type="checkbox"/> 3 meters <input type="checkbox"/> 4 meters <input type="checkbox"/> 5 meters <input type="checkbox"/> 6 meters <input type="checkbox"/> 7 meters <input type="checkbox"/> 8 meters <input type="checkbox"/> 9 meters Other: _____
<b>G=Cable &amp; Connector</b>	<input type="checkbox"/> Black, no connector <input type="checkbox"/> Black, Molex Minifit
<b>H=Hall Sensors</b>	<input type="checkbox"/> Without hall sensors <input type="checkbox"/> With hall sensors
<b>I=Steel &amp; IP Class</b>	<input type="checkbox"/> Std. steel, IP66 <input type="checkbox"/> Std. steel, Harsh Env. <input type="checkbox"/> AISI316, IP66 <input type="checkbox"/> AISI316, Harsh Env.

<b>J=Brackets</b>	<input type="checkbox"/> PA (not Harsh Env.) <input type="checkbox"/> PA w/clevis (not Harsh E.) <input type="checkbox"/> Alu <input type="checkbox"/> Alu w/clevis <input type="checkbox"/> AISI316 <input type="checkbox"/> AISI316 w/clevis <input type="checkbox"/> Alu w/spherical bearings
<b>K=Tube Color</b>	<input type="checkbox"/> Black, RAL9005, shine 25 <input type="checkbox"/> AISI
<b>L=Piston Ring Color</b>	<input type="checkbox"/> Black <input type="checkbox"/> Grey (con35 only) <input type="checkbox"/> Black std. steel (Harsh E.) <input type="checkbox"/> AISI (Harsh Env. only)

**Company/Contact person:** \_\_\_\_\_

**Application description:** \_\_\_\_\_

**Operating environment:** \_\_\_\_\_

**Type of Controller :** \_\_\_\_\_

**Certification requirements:** \_\_\_\_\_

**Additional requirements:** \_\_\_\_\_

**Requested amount:** \_\_\_\_\_

## Actuator Configuration Vocabulary

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	
<b>Product Series</b>	<b>Stroke Length</b>	<b>Low Noise</b>	<b>Gearing</b>	<b>Vol-tage</b>	<b>Pitch</b>	<b>Cable length</b>	<b>Cable/Conn.</b>	<b>Hall</b>	<b>Steel IP</b>	<b>Brac-kets</b>	<b>Tube Color</b>	<b>Ring Color</b>	<b>Type ID</b>

**A= Stroke length**  
**B = Gear bracket/Low noise**  
**C = Gearing**  
**D = Motor voltage**  
**E = Spindle/pitch**  
**F = Cable length**  
**G = Cable color/ connector**  
**H = Feedback/positioning**  
**I = Tube material and IP rate**  
**J = Brackets**  
**K = Tube color**  
**L = Piston ring**  
**M = Nut**  
**N = Bearing bushing**  
**O = Top screw**  
**Q = Motor tube**  
**R = Actuator tube**  
**S = Piston tube**

Stroke length is defined as the maximum length the actuator can move. Not to be mixed with 'built in dimension', which is measured from center hole in front bracket to center hole in rear bracket.

Cable length is measured 'end-to-end' i.e. including connector (if mounted). Maximum length recommended is 9m.

Standard pitch of lead screw is 2 mm for con35, 3 mm for con50 and 4mm for con60. However, 3 mm pitch is available for con35 upon request.

Hall sensors are used to keep track of the position of the actuator.

Front and rear brackets are available in PA(not con60), aluminum and stainless steel. They can be with or without clevis. Aluminum brackets can be equipped with spherical bearings. Special brackets can be made upon request.

Tube material is painted standard steel (IP66) or stainless steel AISI316 (IP66, HE=Harsh Environment).

Standard steel actuators are delivered with black motor- and actuator tube as standard. Other RAL colors are available on request.

Type ID is used to specify special requirements. Standard actuators have type ID = 00

For IP66 actuators the piston ring (PA)(not con60) is black. HE(=Harsh Environment) are stainless steel.

Three actuator series are available from Concens: con35, con50 and con60

The gearing of the actuator determines speed and force/load.

Concens' patented low noise option reduces the noise level considerably.

Choose motor voltage between 12 and 24 volts. Recommended duty cycle is max. 10%.

Concens actuators come with black cable and are delivered without connectors or with Molex MiniFit connectors as standard. Other special connectors can be mounted according to customer requirements.

**concens**  
www.concens.com  
Rev06-Nov17-BBN