

# Rotary Actuator

## 1.61.118.XXX



## Product Description

The Rotary Actuator 1.61.118.XXX is an electro-mechanical actuation system designed to actuate the backrest, recline, transition and legrest functions in First Class and Business Class seats in commercial aircraft but is of course not limited to that kind of applications. Performance is our driver. During the development we have designed an outstanding product in terms of

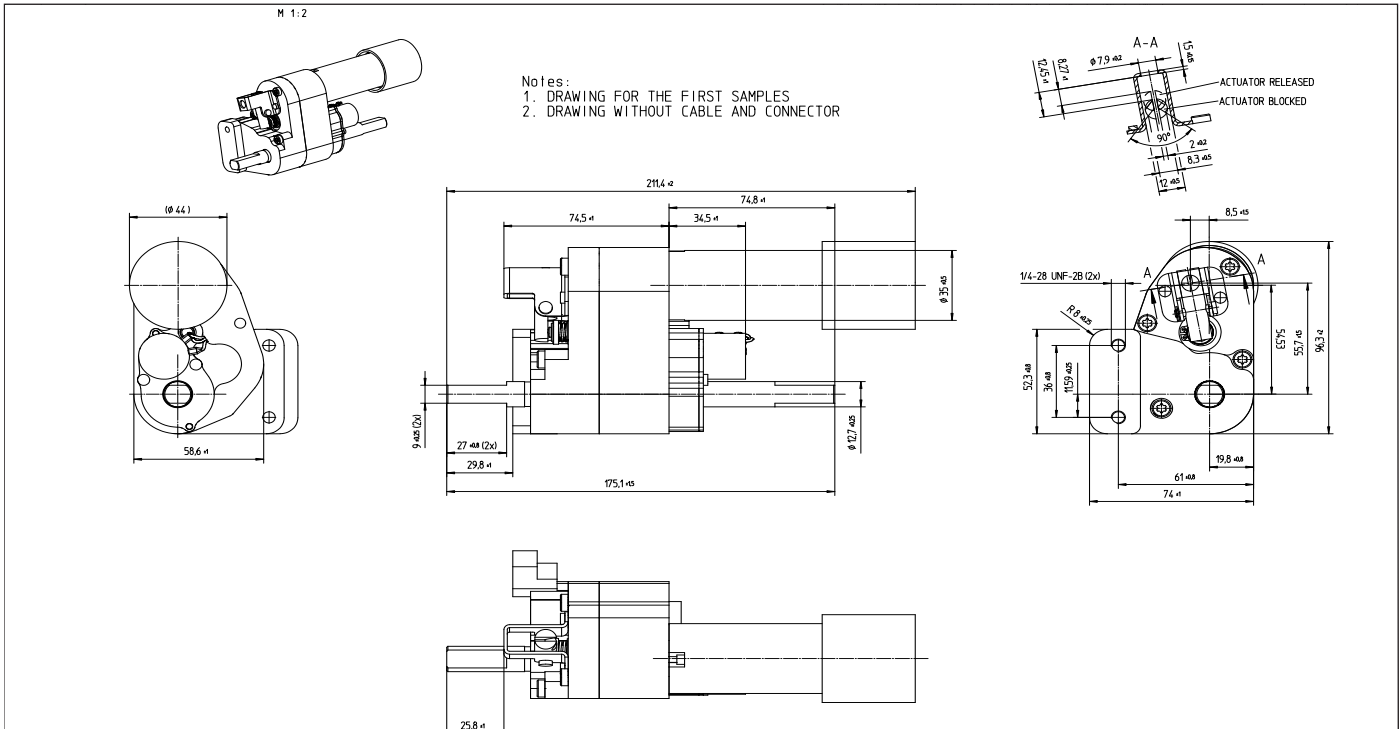
- Reliability
- Simplicity in operation and maintenance
- Light weight
- Low power consumption
- Low noise level
- Compact and modular design

The actuator family meets all applicable specifications from Airbus and Boeing.

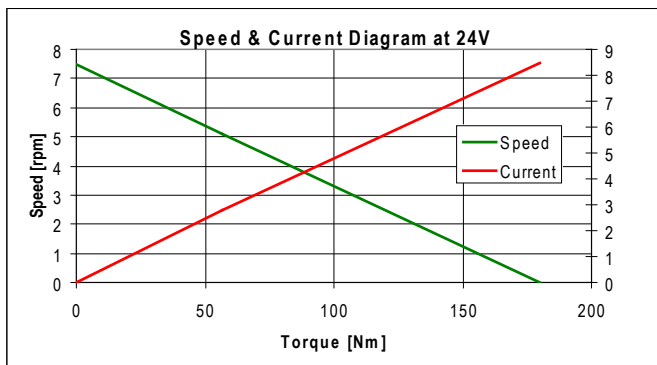
We focused standardization and optimization of components to provide the best quality to price ratio and to help you to keep your products competitive. In addition the modular philosophy allows us to create highly flexible solutions fitting your special needs in only a short period of time.

For more complete information please refer to the technical details on the reverse side.

# Rotary Actuator 1.61.118.XXX



all dimensions in mm



Nominal force: 33% of stall force  
50% of stall force for a short time possible

## General Characteristics

Features	Metric measure		American/British measure	
Operating voltage	24 V	24 V	24 V	24 V
Operating torque	45 Nm	8 Nm	400 lbf-in	71 lbf-in
Operating speed	5.5 rpm	20 rpm	5.5 rpm	20 rpm
Operating current*	2 A	2.1 A	2 A	2.1 A
Peak operating load	56 Nm	12 Nm	500 lbf-in	107 lbf-in
Ultimate static load	200 Nm	100 Nm	1770 lbf-in	885 lbf-in
Noise level**	50 dBA	50 dBA	50 dBA	50 dBA
Temperature range***	-40 °C to 70 °C	-40 °C to 70 °C	-40 F to 158 F	-40 F to 158 F
Weight	1480 g	1520g	3.26 lb	3.35 lb

\* w/o brake current

\*\* distance microphone 0.5 meter

\*\*\* Temperature capability, according test category RTCA/D0-160E, Section 4

## Further design features

- position control feedback with integrated potentiometer maximum 5.5 revolutions (cw/ccw) possible. Optional with friction clutch.
- gear train with integrated manual override function
- overload protection
- variable mechanical interfaces