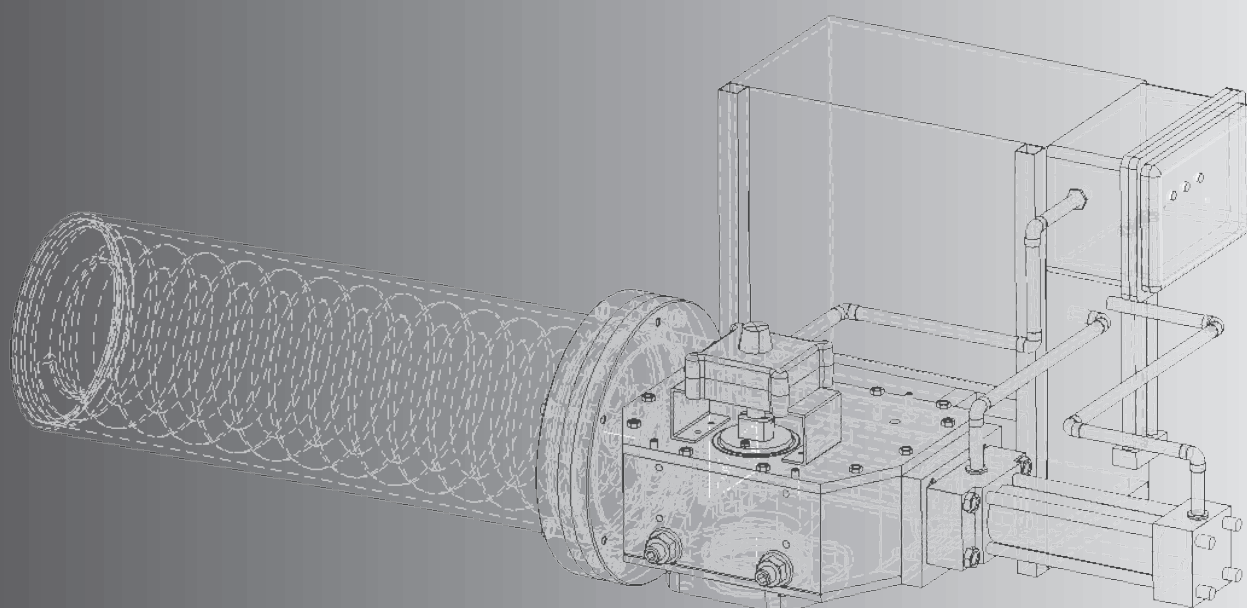




TruTorq Italia srl

***ELECTRO-HYDRAULIC
SELF-CONTAINED ACTUATOR***



"the right solution for every automation need"

INTRODUCTION

TruTorq EY self-contained electro-hydraulic actuators are composed by an hydraulic actuator, with scotch yoke system, completely made of carbon steel; epoxy painted for corrosion resistance. EY actuators are available in Double Acting or Spring Return version, and sized as close as possible on the torque value required to automate the valve.

EY actuators are equipped with integrated control system; hydraulic controls with oil reservoir; and a power unit consisting in a motor.

Indication feedback could be realized via 4-20 mA signal; or optional communications systems (Fieldbus, Foundation, Profibus; Modbus; etc.).

The self-contained system allows an easy installation and avoids all the maintenance costs linked to traditional hydraulic system, having a central hydraulic power unit with supply and return lines.

The modular design of the actuator allows a quick maintenance on the mechanical parts, that can be performed easily on site by trained personnel.



STANDARD FEATURES

- power unit: enclosed in Stainless Steel Box
- Piping: Satinless Steel
- Fasteners: Stainless Steel
- Paint finish: Double epoxy coating (Red for standard)
- Actuator Body: Steel
- Piston Rod: Chrome plated steel

OPTIONAL FEATURES:

- Manual Override: Hydraulic handpump
- Mounting: horizontal or vertical (on request)
- Power Supply:
 - Single phase 110, 120, 230 VAC +/- 10% 50/60 Hz
 - Three phase 190 to 690 VAC +/- 10% 50/60 Hz
 - DC 24 VDC

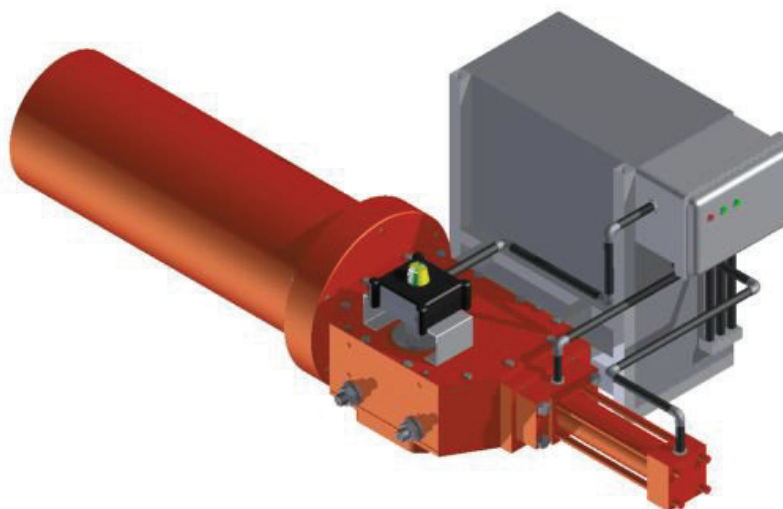
TORQUE FIGURES AVAILABLE

DOUBLE ACTING: starting from 1.000 up to 125.000 Nm

SPRING RETURN: from 1.000 up to 60.000 Nm (considered lower value of the spring)

NOTE: lower and higher torque are available upon request.

Torque in lbf-in is 8.85x Nm figures.



OPERATING FEATURES

SPRING-RETURN UNIT

During the opening cycle, the motor turns on and drives the hydraulic pump and the fluid is forced into the actuator cylinder moving the actuator to the open position.

A limit switch box give the signal to the motor that will stop to work, while the fluid will be blocked by closing a solenoid valve to maintain the position.

To move the actuator to the close position, the solenoid valves are opened allowing fluid to flow to the reservoir.

DOUBLE-ACTING UNIT

When energized, the motor turns on and drives the hydraulic pump and the fluid is forced in the cylinder.

Double Acting actuators include a solenoid valve to control the direction of travel.

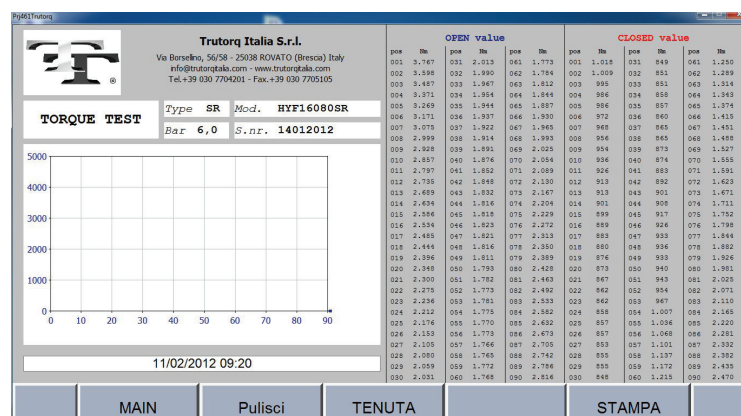
A stop solenoid is used to keep the actuator in position.

Option failsafe operation include a normally open solenoid valve and an optional accumulator.

TESTING

TruTorq Italia products are fully tested prior shipment.

The Comapny developed its own unique test bench for all actuators. This unique bench allows Torque testing with related test report.





TruTorq Italia srl

TRUTORQ ITALIA SRL

Via Borsellino, 56 • 25038 Rovato (BS), Italy

Tel. +39 0307704201 • Fax. +39 0307705105

e-mail: info@trutorqitalia.com • www.trutorqitalia.com