

# ESJ02D

## Double axis pilot control lever

### Differential area

DT.ESJ02D.02

#### FUNCTIONS AND BENEFITS

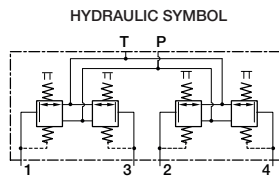
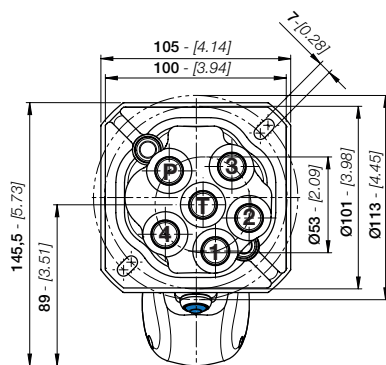
- Small dimensions enable simple, compact installation.
- Dual Area spool design enables light operation force.
- Comfort driven: 53% lever force reduction (due to its differential area design)
- Smooth response is achieved by internal damper.
- Precise control and precise metering.
- High durability and Maintenance free.

#### TECHNICAL DATA

Maximum input pressure:  
**100 bar** - [1450 psi]

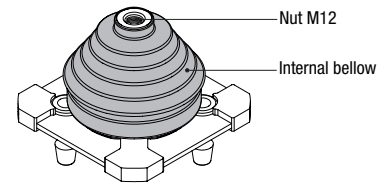
Max backpressure on tank line:  
**3 bar** - [43.5]

Control max flow on ports:  
**15 l/min** - [4 GPM]



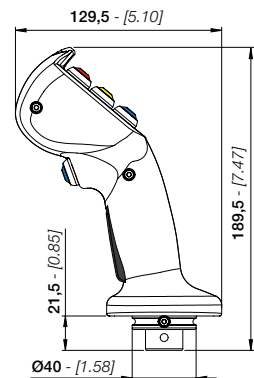
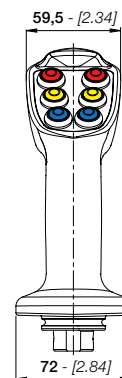
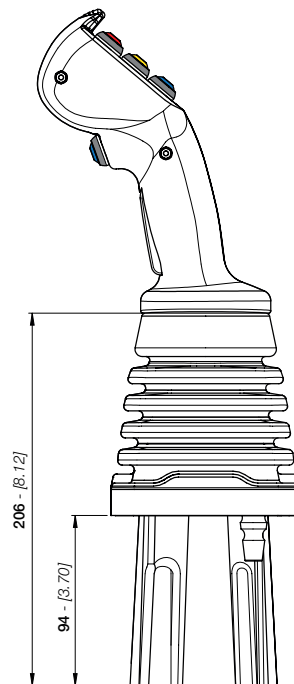
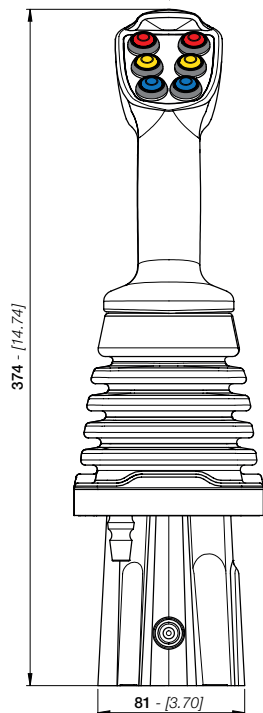
#### BETTER PROTECTION

**Internal rubber bellow option:**  
to better protect plungers from dirt and contamination.



#### EHC1 HANDLE

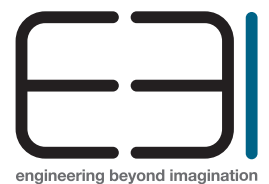
EHC1 is designed to guarantee flexibility and high level of customization. The ergonomic shape allows long duty cycles and excellent comfort for the operator. A wide range of configurable options (buttons, rollers, switches, rockers) allow to fit various machines design in terms of shape, layout and color.



#### DIMENSIONS

The dimensional drawing represents a ESJ02D with with ergonomic handle EHC1 and SAE connections. You can configure a ESJ02D with several different types of handle.

TYPE	BSP (ISO 1179-1)	UN-UNF (ISO 11926-1)
INLET - P	G 1/4	9/16" - 18 UNF
PORTS - 1/2/3/4	G 1/4	9/16" - 18 UNF
OUTLET - T	G 1/4	9/16" - 18 UNF



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#### TYPICAL CURVES

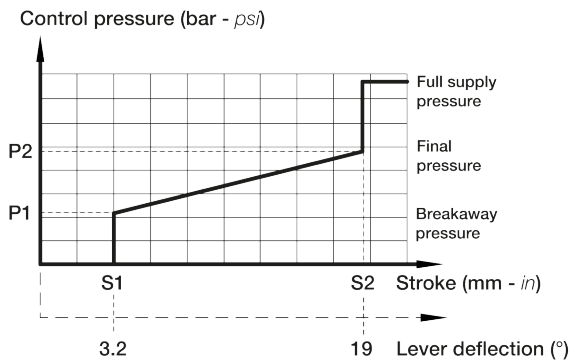
All ESJ02D servocontrols are equipped with 4 metering curves (one metering curve each service port). The metering curve classification depends on the control pressure (bar - psi) and stroke length (mm - in).

Currently two types of metering curves are available:

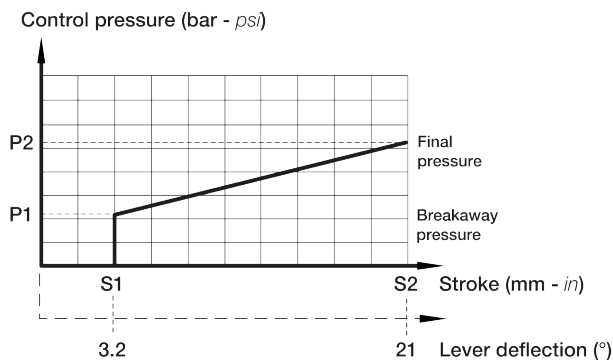
- **Linear curve with step (MA type)**
- **Linear curve without step (MB type)**

All metering curves are interchangeable.

**MA linear curve with step**



**MB linear curve without step**

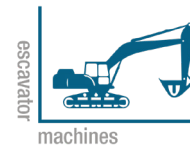


**FULLY INTERCHANGEABLE WITH  
MOST OF COMPETITOR'S JOYSTICKS**

#### APPLICATIONS

EBI motion controls servocontrols joysticks are used to control the work and drive hydraulics of modern mobile machines with high accuracy, safety and optimal performance.

**ESJ02D are suited for specialized applications for a variety of mobile equipment such as:**



#### OPTIONAL FEATURES

- On request are available broken line metering curves with step and broken line metering curves without step.