



## Linear Application Data Sheet

**CUSTOMER:**

**CONTACT:**

**INDUSTRY:**

**PHONE:**

**FAX:**

**E-MAIL:**

**DISTRIBUTOR:**

**CONTACT:**

**PHONE:**

**FAX:**

**BASIC ITT CYLINDER TO BE MODIFIED:**

**OR BORE SIZE**

**IN. [mm] X  
STROKE**

**IN. [mm.]**

### SPECIFIC APPLICATION INFORMATION

Body Style:    Square                  Round                  Guided

The actuating fluid will be      Air                  Hydraulic Oil                  Other

The operating pressure range                  (extend)                  (retract)      The maximum pressure can be

The actuator will be applied in:    Vertical Up                  Vertical Down                  Horizontal Mounting                  Other

Presence of Side Load:    Yes          No                  If yes, side load force      lb [N] at                  in.[min]      from the exit plane of the shaft

Output Force Required                  lb.[N]      Extend                  lb.[N],      Retract                  lb[N.]

Lateral Offset      No          Yes                  If Yes, distance from Longitudinal Axis                  in.[min]

Shaft Speed:                  in./sec.[mm./sec]      Cycle Rate:                  Cycle/sec      Dwell Time:                  sec.

Life Expectancy

Description of Application Environment (e.g. dry, wet, specialty chemicals, etc)

Application Environment Temperature, Approx.                  °F[C°];      or Range of                  °F[C°]; to                  °F[C°]

Special Instructions: (e.g., physical constraints or operating envelope)

Rod Options                  If special please specify the following:                  Rod diameter

Standard                  Special

Rod end style                  Total rod extension                  Other

If Multi-Piston,                  Push only                  Pull only                  Both  
Number of  
Pistons:

Multi Position:      Position 1:                  Position 2:                  Position 3:                  Position 4:

Presence of Impact Load    Yes          No                  if Yes, Mass of Moving Object                  lb.[kg]

Velocity of Moving Object:                  in./sec. [mm./sec]      Is object dropped    Yes                  No                  If Yes, Falling Height                  In.[mm.]

Point of Impact from Exit Plane of Shaft                  in                  if yes, distance from Longitudinal Axis                  in.[min]

Load on the longer dimensioned side                  Yes          No                  if yes, distance from Longitudinal Axis

**Spring**                  Extend                  Retract                  Stroke                  in.                  Min. Available Pressure                  psi

Minimum Spring Force Required                  lbs.

Ports:                  Type:                  Size:                  Position:

Sensors:                  Type:                  Position:

Other Requirements:

For custom applications, please use the illustration below and the blank area of this sheet to provide as much pertinent information as possible.



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### **Design Cooperation**

- ITT encourages the Customer to make full disclosure of all known application and design information including parameters, performance criteria, and environmental constraints.
- In some circumstances the Customer may specify certain material and design sensitive components and parts which are contrary to ITT's recommendations and/or design standards.
- Customers failure to make full disclosure and provide complete information including all available design requirements and drawings, or Customer's insistence on the use of certain materials that are not in accordance with ITT design standards, shall relieve ITT from any misapplication of the product or failure of the product to meet the Customer's expectations. Unless otherwise specifically agreed to, ITT will only warrant the published performance from the actuator based on ITT's laboratory tests in a standard environment devoid of harsh chemicals.