

#### Principal characteristics

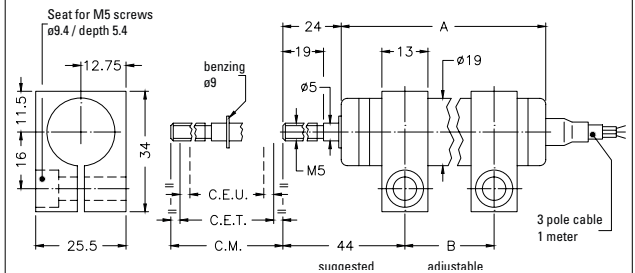
- The 3/4" cylindrical housing, plus the option of all fastening systems (brackets, joints or flange), makes the PZ34 series highly versatile for a wide range of applications.
- The optimized mechanical structure makes the product suitable for developing various special executions (contact Gefran customer service for details).
- Installation is simplified by the lack of electrical signal variation at output outside theoretical electrical stroke.
- Ideal for wood and glass working and finishing machines and for car test benches.

#### TECHNICAL DATA

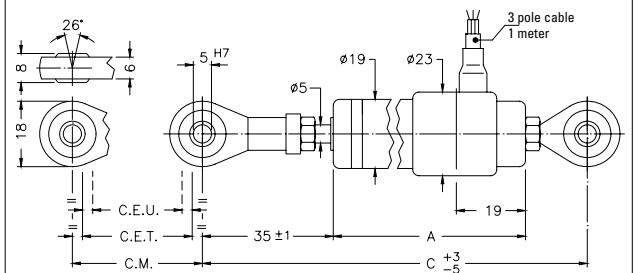
Useful electrical stroke (C.E.U.)	from 25 to 300 mm (for intermediate strokes see table "Electrical / Mechanical Data")
Resolution	infinite
Protection	IP60
Independent linearity (within C.E.U.)	see table
Displacement speed	<= 10 m/s
Displacement force	<= 0.5N
Life	>25x10 <sup>6</sup> m strokes, or 100x10 <sup>6</sup> operations, whichever is less (within C.E.U.)
Vibrations	5...2000Hz, A <sub>max</sub> = 0,75 mm amax. = 20 g
Shock	50 g, 11ms.
Tolerance on resistance	± 20%
Recommended cursor current	< 0,1 µA
Maximum cursor current	10mA
Max. applicable voltage	see table
Electrical isolation	>100MΩ at 500V~, 1bar, 2s
Dielectric strength	< 100 µA at 500V~, 50Hz, 2s, 1bar
Dissipation at 40°C (0W at 120°C)	see table
Actual Temperature Coefficient of the output voltage	< 5 ppm/°C typical
Working temperature	-30...+100°C
Storage temperature	-50...+120°C
Case material	Anodised aluminium Nylon 66 G 25
Control rod material	Stainless steel AISI 303
Fixing	Brackets, selfaligning ball-joints or flange
<b>Important:</b>	all the data reported in the catalogue linearity, lifetime, temperature coefficient are valid for a sensor utilization as a ratiometric device with a max current across the cursor I <sub>c</sub> ≤ 0.1 µA.

#### MECHANICAL DIMENSIONS

##### PZ34-S



##### PZ34-A



##### PZ34-F

