

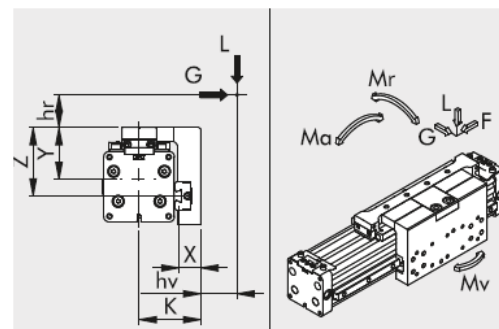
# Techsense Bangladesh Ltd

## Rodless Cylinder With Ball Recirculating Guide Series Pu code : ball-recirculating-guide-series-pu

Series PU rodless cylinders have an internal strip for longitudinal tightness made of polyurethane (PU) with a harmonic steel wire core. This solution gives excellent air tightness values. It is particularly suitable for high-speed and highly cyclical applications, even with long strokes. The external strip, which merely provides protection against of foreign bodies entry, is made of harmonic steel. The anodised aluminium cylinder liner has a T-slot on either side for housing the retracting sensors. Cylinder control solenoid valves can also be housed in these slots and secured by means of plates and screws (see page 1-46). A hardened and tempered steel guide is firmly connected to the side of the liner to increase overall performance. This gives the following features: • very high load capacity with forces acting in any direction and no transmission to the cylinder carriage; • ball recirculation shoes constructed using special technology that makes them very silent during movement of the guide and gives very long maintenance time intervals; lubrication must be performed every 2000 km or once a year, using type 2 grease, preferably with a lithium soap base; • extra-sturdy carriage support with numerous load fixing holes and centring pin holes; • stroke range 100-2470 mm with 1mm intervals. One version has shock absorbers + adjustable limit switches. These can also be added at a later stage by purchasing the relevant kit.

### COMPONENTS

- CYLINDER: see construction details on page 1-145
- GUIDE: hardened steel
- SHOE: steel with hardened ball circulation
- SLIDE SUPPORT: anodised aluminium
- For version 276
- Besides the details specified above:
- END-OF-STROKE STUD PIN: zinc-plated steel,
- Complete with 2 zinc-plated nuts for fixing
- SHOCK ABSORBER: burnished steel, complete with 2 zinc-plated or burnished nuts for fixing
- DECELERATOR SUPPORT: anodised aluminium
- BRACKET: hardened-and-tempered and zinc-plated steel

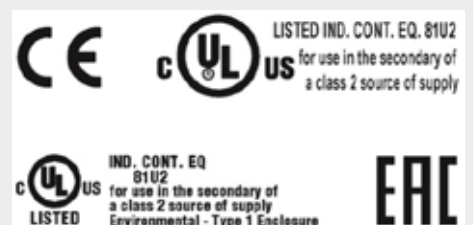


Wiring Diagram

### TECHNICAL DATA

- Operating pressure bar : 1 to 8
- Temperature range °C : -10 to +80
- Fluid : 50 micro. m unlubricated filtered air Lubrication, if used, must be continuous
- Bores mm : Ø 50
- Type of construction : Double-acting rodless cylinder with direct transmission system
- Strokes mm : from 100 to 2470 with 1 interval
- Threaded ports : G1/4"
- Notes : For speeds lower than 0.2 m/s to prevent surging, use the version No stick-slip and non-lubricated air.

For further information please visit : <https://goo.gl/VdhYPn>



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