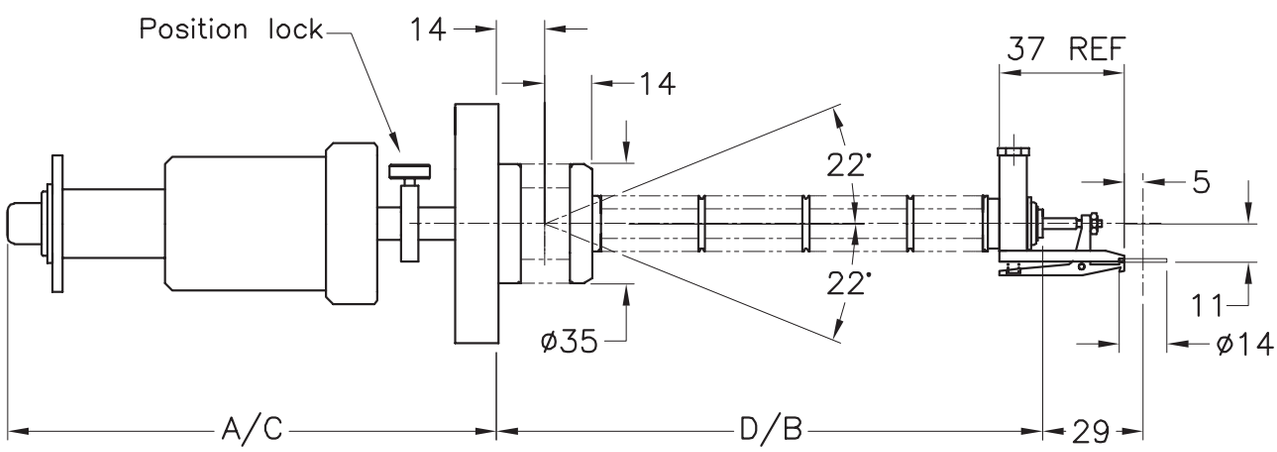
# Pincer Grip Wobble Sticks

The Pincer Grip Wobble stick utilises a flexible edge welded bellows to enable effective manually operated movements to be transmitted through the wall of a vacuum vessel. A Pincer Grip allows small samples to be transferred inside the vacuum envelope. Tactile operation to give the user a true 'feeling' of position inside the vacuum chamber.

## Product Overview

- Linear travels from 80 mm to 280 mm
- +/- 22° of angular movement
- Dual edge welded bellows.
- 70 mm OD conflat mounting flange.
- Leak rate < 1x $10^{-10}$ mbar $ls^{-1}$
- Pressure range 1 bar to $10^{-11}$ mbar
- All stainless steel construction
- Bakeable to 250°c
- Pincer grip to take 14 mm disc
- Pincer head 4 position




| Pincer Grip Wobble Stick (WS-PG) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DN Type | Flange OD | | Linear Travel | Angular Range Degrees | Retracted A | Extended B | Extended C | Retracted D | Weight | Order Code |
| | mm | Inch | mm | | mm | mm | mm | mm | kg | |
| DN40 | 70 | 2.75 | 80 | ±22.0 | 224 | 159 | 144 | 79 | 1.0 | ZWS075PG |
| DN40 | 70 | 2.75 | 151 | ±22.0 | 295 | 259 | 144 | 108 | 1.0 | ZWS150PG |
| DN40 | 70 | 2.75 | 237 | ±22.0 | 381 | 381 | 144 | 144 | 1.0 | ZWS225PG |
| DN40 | 70 | 2.75 | 280 | ±22.0 | 424 | 442 | 144 | 162 | 1.0 | ZWS275PG |