



Feeding Systems

ZEL

Stepfeeders

ZEL

+ Model ZEL - Gently conveys fasteners (screws, nuts and pins)

Features

- + Bulk holder made of stainless steel
(Slider made of hardened tool steel or plastic)

- + Low vibration final track for lower noise emission

- + Low generation of particulate matter for clean processes

- + High output (cycle times as low as 0.8 s)

- + Suitable for coated and sensitive parts

- + High process reliability

- + Configurable for pick & place applications

- + Sound enclosure cover to reduce noise emissions

- + **Optional:** Feeder level control, screw presence control and position indicators

- + Bulk supply belt hoppers optionally available



Technical data

| Series | Width [mm] | Depth [mm] | Height [mm] | Weight [kg] | Capacity [litres] | Filling weight [kg] |
|--------|------------|------------|--------------|---------------|-------------------|---------------------|
| ZEL240 | 480 | 340 | 456 w. SDH* | ~ 29 w. SDH* | 1.2 | 4.0 |
| ZEL360 | 640 | 536 | 602 w. SDH* | ~ 50 w. SDH* | 3.0 | 12.0 |
| ZEL480 | 1296 | 1000 | 1141 w. SDH* | ~ 335 w. SDH* | 15.0 | ~ 100.0 |

| Series | Screws | | | Nuts | | | Pins | |
|--------|-------------|----------|---------------------|--------|--------|-------------|------------|-------------|
| | Head Ø [mm] | Thread | Overall length [mm] | e [mm] | Thread | Height [mm] | Pin Ø [mm] | Length [mm] |
| ZEL240 | 4.0 - 12.0 | M3 - M6 | ≤ 35 | ≤ 12.5 | ≤ M8 | ≤ 9.5 | ≤ 13 | ≤ 35 |
| ZEL360 | 6.0 - 24.0 | M5 - M12 | ≤ 75 | ≤ 19.5 | ≤ M10 | ≤ 9.5 | ≤ 20 | ≤ 75 |
| ZEL480 | 12.0 - 32.0 | M6 - M16 | ≤ 120 | ≤ 32.0 | ≤ M16 | ≤ 32.0 | ≤ 32.0 | ≤ 120 |

*SDH = Sound enclosure cover; Measurements in mm, subject to technical changes or adjustments.
Custom solutions for oversized fasteners also available.