

TECHNICAL DATA SHEET

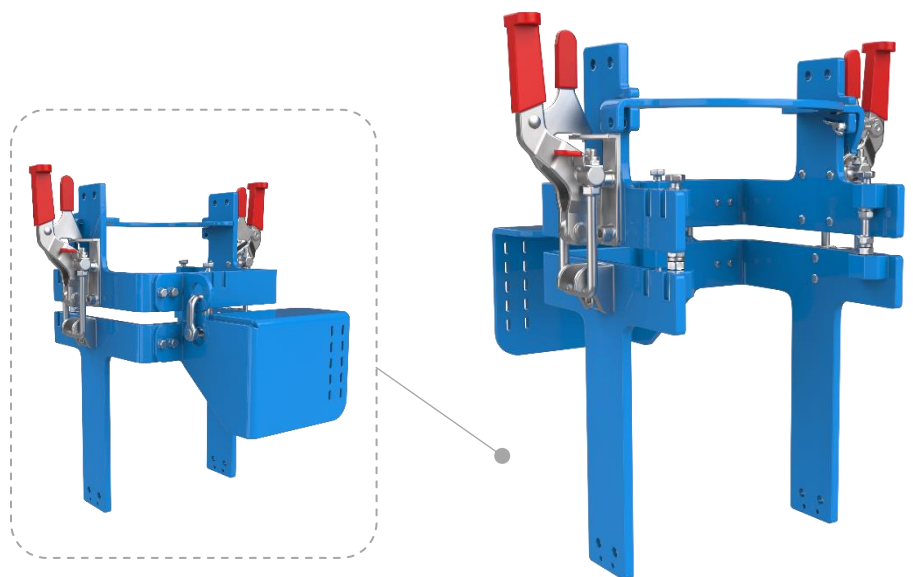
COBOD U-AXIS ALIGNMENT KIT

Product name	COBOD U-Axis Alignment Kit
Compatibility	COBOD Concrete Steel Nozzles and HT Printhead
Alignment Method	Precision Mechanical Alignment
Connection (Printhead)	Female 4" Connector Coupling
Connection (Nozzle)	Male 4" Connector Coupling

The COBOD U-Axis Alignment Kit is a product designed to address the challenge of maintaining consistent print quality by preventing U-Axis (nozzle) misalignment during printhead assembly and disassembly. The kit guarantees consistent nozzle positioning for each print cycle, minimizing the effect of misalignment on printing results. Its robust mechanical design manually locks the nozzle assembly in position, automating the alignment process and safeguarding the U-motor. This solution allows users to perform maintenance, cleaning, and assembly with precision and confidence, facilitating uninterrupted and reliable 3D printing.

Key Features:

- ▶ Addresses nozzle misalignment during assembly.
- ▶ Ensures consistent alignment for reliable prints.
- ▶ Facilitates easy removal and reinstallation of the printhead.
- ▶ Maintains print quality during mid-print maintenance and cleaning.
- ▶ Eliminates layer shifting for clean and straight prints.



Component	Quantity
Pump Rod Top	1
Pump Rod Bottom	1
Protection Bracket Top	1
Protection Bracket Bottom	1
Tube Retainer	1
D-shackle	1
Large Goodhand Clamp (GH-40341-R)	2
Stud with Head, Shape B (6x30)	2
Spring Cotter Pin	2
Hexagon Bolt with Thread up to Head (M8x80)	3
Hexagon Nut (M8)	6

