4E-30 Mechanical Straight Crimping Mold for Terminal Applicator JW-AP21

Model No. JW-AP21



SPECIFICATIONS

Model Number	4E-30
Type	Mechanical Straight Crimping Mold
Application	Wire Cable Crimp Terminal Crimping
Feed Type	Vertical End Feed
Compatible With	JST Terminal Crimping Machines
Mold Type	OTP U-shaped
Orientation	Horizontal and Vertical Crimping

JW-AP21 is the 4E-30 mechanical straight crimping mold for wire cable crimp terminals, compatible with JST terminal crimping machines. The die is OTP U-shaped and crimps in horizontal and vertical orientation.

The 4E-30 is a mechanical die: the angular arm at the top of the frame takes the press stroke and transfers it to the ram, and the strip is fed vertically from the end rather than from the side. End feed leaves the side of the die clear, so the crimp point stays accessible and a short strip length can be loaded without a long lead-in along a side track. The curved strip guide carries the carrier web up to the anvil.

It is a direct replacement for 4E-30 dies on JST mechanical terminal crimping machines, and is chosen where the tooling on the line is mechanical rather than pneumatic. Lines already set for vertical end feed keep their strip guides and change only the die.

Key Features

1. 4E-30 mechanical straight die with a top linkage arm that transfers the press stroke to the ram

2. Vertical end feed, with the strip entering from the end and the die side left open

3. OTP U-shaped die profile for wire cable crimp terminals

4. Horizontal and vertical crimping positions on the same die

5. Compatible with JST terminal crimping machines

6. Die-only replacement that keeps the existing mechanical applicator frame and linkage

Technical Specifications

Parameter	Specification
Model	JW-AP21
Die model	4E-30
Mold type	Mechanical straight crimping mold

Parameter	Specification
Feed type	Vertical end feed
Mold profile	OTP U-shaped
Crimp orientation	Horizontal and vertical
Machine fit	JST terminal crimping machines
Application	Wire cable crimp terminal crimping

Applications

— JST mechanical terminal crimping machines with vertical end feed, crimping insulated and bare wire cable terminals

— Harness lines working with short strip lengths, where side access to the crimp point is needed

— Replacement of a worn 4E-30 die on a mechanical applicator already in production

— Cable assembly runs using OTP U-shaped chain terminals on a mechanical press

— Stations converting from a side-feed die to end feed without changing the machine frame



4S-30 pneumatic horizontal die

Feeding stroke: 40mm

Slider stroke: 30mm

Scope of application: It is suitable for Japanese series automatic and semi-automatic crimping machines and domestic 30-stroke terminal machines. The crimping knife is common with OTP, and the C.H/I.H adjustment accuracy is 0.02mm.

4E-30 mechanical straight mold



Feeding method: direct delivery

Feeding stroke: 30mm

Slider stroke: 30mm

Scope of application: suitable for automotive terminals, can be used for conventional terminal machines, fine-tuning single grid is 0.02mm, large adjustable range, high precision.