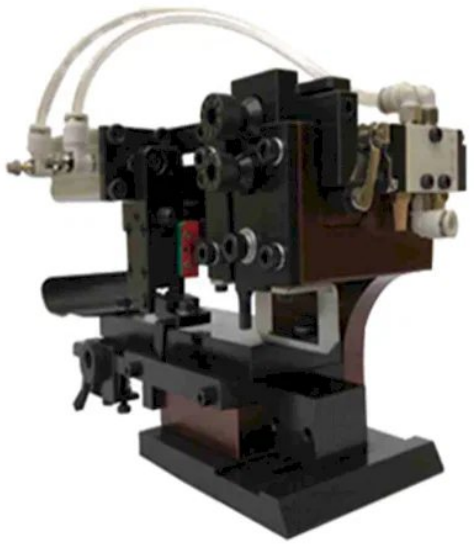
NA-20S Pneumatic Crimping Applicator for Wide Terminals JW-AP09

Model No. JW-AP09



SPECIFICATIONS

Model Number	NA-20S
Type	European Pneumatic Crimping Applicator
Feed Type	Side Feed
Terminal Type	Loose Terminals
Compatibility	OTP Terminal Crimping Machine Dies
Mechanism	Pneumatic Transverse Die

JW-AP09 (NA-20S) is a European-style pneumatic crimping applicator for side-feed loose terminals, including the wide and ultra-wide special terminals that a standard OTP die cannot span. It mounts on OTP terminal crimping machines and takes OTP-pattern terminal dies.

The crimp is closed by a pneumatic cylinder carried on the body rather than by the press ram, and the air lines run to the rear, so the strip enters from the side and the front of the crimp zone stays open. The transverse die layout makes the body deeper than a standard applicator, and the mounting footprint extends behind the bed, which has to be checked against the adjacent station.

It is used where a press already carries an OTP die set and a wide terminal has to be run without moving the job to a dedicated machine: the applicator is bolted to the bed, the air supply is connected, and the crimp height is set on the die. It also serves as the replacement unit when an existing NA-20S applicator is worn.

Key Features

1. Side-feed loose-terminal configuration, with the terminal presented from the side of the crimp zone rather than indexed on a carrier strip

2. Pneumatic crimping head driven by a cylinder on the body, with the air lines taken to the rear and the front of the die left clear

3. Transverse die layout sized for wide and ultra-wide special terminals, with the crimp closing across the barrel

4. OTP die interface, so a terminal-specific die can be changed without replacing the applicator body

5. Bolted guide and stop plates on the feed track, reset for terminal length after a die change

6. Base plate bolted to the OTP bed, so changeover is a die and track reset followed by a test crimp

Technical Specifications

Parameter	Specification
Model	JW-AP09
Model number on die	NA-20S
Type	European pneumatic crimping applicator
Feed type	Side feed
Terminal type	Loose terminals
Die interface	OTP terminal crimping machine dies
Mechanism	Pneumatic transverse die
Machine fit	OTP terminal crimping machines

Applications

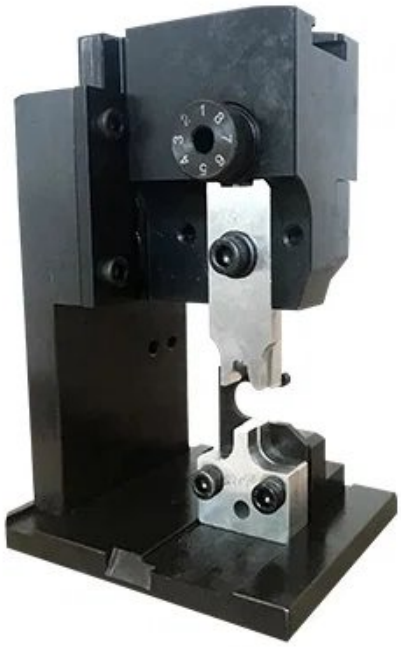
— OTP terminal crimping machines running wide loose terminals that exceed the span of a standard die

— Pneumatic applicator stations crimping side-feed loose terminals in harness assembly

— Replacement of a worn NA-20S applicator on an existing OTP bed, reusing the air supply and mounting

— Low-volume runs of special terminals, where one applicator body carries several terminal dies

— Crimp height trials on wide terminals before a die is released to production



Single U-shaped mold

Model: Single U-shaped mold

Weight: 4.5KG

Feeding block: 35mm

Slider stroke: 45mm

Die knife adjustment: scale fine adjustment

OTP U mold



Model: OTP U-shaped mold

Weight: 4.5KG

Feeding block: 25mm

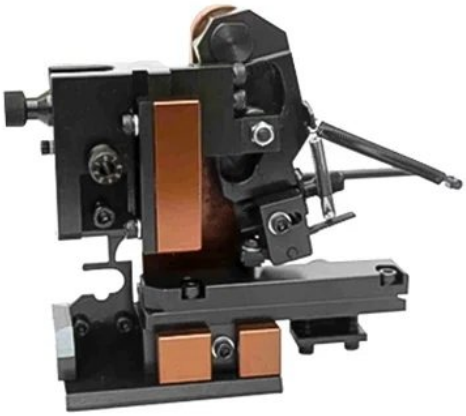
Slider stroke: 30mm

Die knife adjustment: scale rotary

Process type: stamping mould

Main processing equipment: terminal crimping

Provide customized processing: Yes

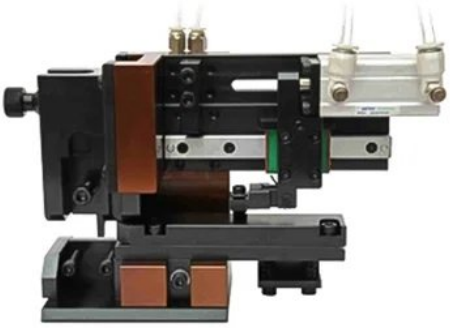


OTP-UB type docking die

Feeding stroke: 30mm
Slider stroke: 30mm
Scope of application: Suitable for butt crimping and multi-wire crimping of various U-shaped terminals, and the height of the upper knife can be finely adjusted.

OTP-U pneumatic docking die

Feeding stroke: 40mm
Slider stroke: 30mm
Scope of application: domestic automatic machines and semi-automatic crimping machines, U-shaped terminals and right-angle glue terminals can be used in this model.





OTP flag mold

Feeding stroke: 30mm
Slider stroke: 30mm
Scope of application: Fully automatic machine and semi-automatic crimping machine, 187 flag type terminal, 205 flag type terminal, 250 flag type terminal can use this model.

FAQ

What wire and terminal sizes does the NA-20S Pneumatic Crimping Applicator support?

The NA-20S handles wire from 0.8 to 6 mm², equivalent to AWG9 down to AWG30, and accepts terminals up to 1.5 mm thick. That spread covers a wide range of crimping work with a single applicator.

What does the 0.8 to 6 mm² wire range of the NA-20S applicator mean in AWG terms?

The stated 0.8 to 6 mm² wire range corresponds to AWG9 through AWG30. Having both metric and AWG figures on the same datasheet makes it easier to match the applicator to terminals specified in either measuring system.

What stroke and closed height does the NA-20S pneumatic crimping applicator provide?

The applicator has a stroke of 40 mm and a closed height of 135.8 mm. These figures determine how it mounts and cycles within a pneumatic crimping press.

What material is the NA-20S crimping applicator made from?

It is built from tool steel with a surface blackening finish. That combination gives good wear resistance at the crimp interface while limiting corrosion on the exposed faces.

How heavy and how large is the NA-20S Pneumatic Crimping Applicator?

The unit weighs 4.5 KG and measures 160 mm long, 155 mm high and 110 mm wide. The compact, sturdy body suits mounting in a bench press or automated terminal line.