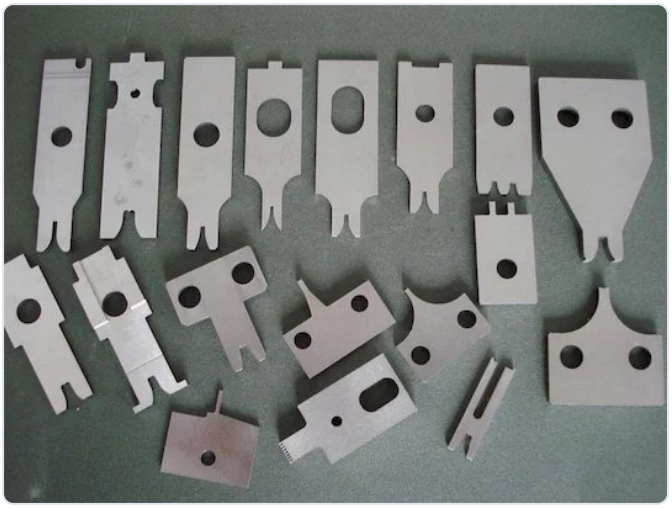
Terminal Machine Blades & Dies - DC53 Steel, 60 Hardness JW-AP08

Model No. JW-AP08



SPECIFICATIONS

Material	DC53 Japanese Steel
Hardness	60 degrees
Lifespan	50 million+ cycles
Treatment	Vacuum heat processed
Design	Custom terminal specifications
Application	Wire strip and crimp machines

JW-AP08 is a blade and die set for the terminal machines used in wire stripping and crimping. Where a single OTP blade covers one cutting position, this set covers the whole tool station: cutting blades, stripping blades and the forming dies that close the terminal, supplied together so the upper and lower halves are matched.

The set is made from Japanese DC53 steel, vacuum heat processed to 60 hardness, with a rated life of 50 million cycles or more. Because the blades and dies are produced as one group, the cutting clearance between upper and lower parts is set at build and does not have to be re-shimmed on the machine. The die cavity and the blade opening are cut to the terminal drawing rather than to a stock size, which is where the set differs from a general replacement blade.

It is ordered against the terminal specification and the machine model, and is used both on new tooling builds and as a full replacement when a station has been run past its blade life. Supplying the group together keeps strip depth and crimp height consistent after a change.

Key Features

1. Material: Japanese DC53 steel for blades and dies alike, so the cutting and forming parts wear at a similar rate.

2. Hardness: 60 HRC after vacuum heat processing, holding the die cavity and the blade edge through a long production run.

3. Matched set: upper and lower blades and dies are made as one group, with the cutting clearance set at build.

4. Custom geometry: the blade opening and die cavity are cut to the terminal specification, not to a catalogue size.

5. Service life: rated at 50 million cycles or more per set under normal terminal machine operation.

6. Coverage: one set supplies the cutting, stripping and forming positions of a strip-and-crimp station.

Technical Specifications

Parameter	Specification
Model	JW-AP08

Parameter	Specification
Item	Terminal blade and die set
Material	DC53 Japanese steel
Hardness	60 HRC
Treatment	Vacuum heat processed
Service life	50 million+ cycles
Geometry	Custom, per terminal specification
Content	Multiple blade and die profiles (photo)
Application	Wire strip and crimp machines

Applications

— Terminal strip-and-crimp machines in wire harness plants - cutting, stripping and terminal forming in one station.

— Tooling builds for a new terminal part number, where the blade and die group is made to the terminal drawing.

— Full station replacement after the original blades and dies have reached end of life together.

— Machines running several terminal families, where a matched set is held per terminal number.

— Rebuilt terminal machines that need the complete tool group rather than individual blades.

