



Aluminum Mitre Saw | YILMAZ MK 420

Yilmaz "MK 420 PS" manual up-cut saw machine is designed for 90° and mitre cutting of PVC, aluminum extrusions and wood profiles. The machine can work in two different modes: lengthwise cutting like a table saw and cross cutting like a cut-off saw. This feature along with adjustable blade stroke enable it to be used for notches as well. Blade is raised up manually by the operator. The "MK 420 PS" has a 360° rotating platform and can be turned depending how need to be used.

GENERAL

The Yilmaz "MK 420" is a manual aluminum mitre saw ideal for applications such as residential or commercial windows, storefronts, railings as well as industrial aluminum profile cutting. The saw can cut straight or mitre both on vinyl, aluminum extrusions or other non ferrous materials.

The manual aluminum mitre saw can be used for two purposes: lengthwise cutting (like a table saw) and cross cutting. This function allows to make notches as well. The "MK 420" has a 360° rotating platform and can be turned depending on how it is being used.

Two vertical manual cylinders hold the extrusion firm in place for the maximum precision of the cut. Pneumatic cylinders are also available in the "MK 420 PS" version.

OPERATION

To perform the cut, the operator must lift an handle and the blade will raise from the bottom of the saw. An adjustable mechanical stop limits the raise of the blade.

The back fence is adjustable to allow the most effective use of the saw blade when cutting wide and flat profiles

SAFETIES

A safety hood is mounted to provide full protection to the operator when performing cross cuts on extrusions, instead, when using the machine as a table saw, the hood is going to be replaced by a blade cover.

STANDARD ITEMS/FEATURES

- Ø420 mm (16.5") saw blade
- 2.2 kW (3 HP), 230V, 3~, 60 Hz, 3000 RPM motor
- Pre-set location points at 30°, 45°, 60°, 67,5°, 75°, 90° (both left and right)
- Wide angle cutting range up to 30° to the right and 30° to the left
- Easy saw blade replacement
- possibility to perform crosswise and longitudinal cutting operations
- CSA inspected and approved

OPTIONAL ACCESSORIES

- MKN 300 roller conveyor (3m)

FEATURES

- Manual up-cut saw
- Adjustable back fence to allow the most effective use of the saw blade capacity for wide and flat profiles
- Pre-set location points at 30°, 45°, 60°, 67,5°, 75°, 90° (both left and right)
- Wide angle cutting range up to 30° to the right and 30° to the left
- Adjustable machine working direction by means of rotary (360°) platform via foot pedal
- Easy saw blade change
- Ability of cross and longitudinal cutting operations
- Protection hood for cross-cut operations
- Blade protection cover for lengthwise cutting operations (table saw mode)

TECHNICAL DATA

- Motor: 2.2kW (3HP), 230V, 60Hz
- Blade speed: 3000 RPM
- Blade diameter: 420mm (16½")
- Blade hub diameter: 30mm (1.18")

STANDARD EQUIPMENT

- 1 x Saw blade Ø 420mm (16½")
- 2 x Manual vertical clamps
- 1 x Spray mist blade lubrication system
- Back fence
- Profile length stop
- Safety guard for lengthwise cutting operations
- Safety hood for cross cutting

OPTIONALS

- Spare Ø 420mm (16½") saw blade
- kit for pneumatic clamps
- 20 litres (5.3 gal) pail of cutting fluid
- MKN 300 roller conveyor - 3m (10')

STANDARD ACCESSORIES

- Equipped with saw blade Ø 420
- Back fence
- Profile length stop
- Machine with Ø 450 mm of saw blade (MK 450)
- Spray saw blade lubrication system (MK 420 PS)
- 2 x mechanic top clamps (MK 420)
- 2 x pneumatic top clamps (MK420 PS)
- Safety guard for lateral cutting operations (MK 420 PS)
- Safety guard for longitudinal cutting operations (MK 420 PS)