



Radial Arm Saw YILMAZ RYK 420

Yilmaz "RYK 420" Radial Arm Saw has been designed for straight and miter cutting of large aluminum, PVC and wood profiles. The saw blade can also be tilted and rotated for compound miter cuts.

GENERAL

The Yilmaz "RYK 420" is a radial arm compound aluminum saw capable to perform both mitre and compound cuts. Due to its radial movement, the saw is ideal for applications requiring to cut large aluminum extrusions. The "RYK 420" is capable to cut extrusions at 90° as large as 450mm (17½") and 320mm (12½") when cutting at 45°.

Two vertical pneumatic cylinders hold the extrusion firm in place for the maximum precision of the cut. The "RYK 420" features a rotating cutting head capable to cut mitre angles ranging from 45° (right) to 60° (left) infinitely adjustable via mechanical stop

OPERATION

As a first operation the operator adjusts the cutting angle (pivoting and tilting the cutting head). Once adjusted the cutting head, the operator pulls it manually toward himself to perform the cut even if an hydraulic speed regulator will help him to keep a constant motion when cutting the extrusion.

SAFETIES

The "RYK 420" radial arm compound aluminum saw is equipped with a brake to stop the spinning of the blade after the saw is turned off.

STANDARD ITEMS/FEATURES

- Misting blade lubrication system
- 1 x Ø420mm (16.5") Saw blade
- 2 x vertical pneumatic clamps
- Brake to stop the spinning of the blade after cutting
- Laser cutting line
- Digital angle readout
- Hydraulic cutting head motion regulator

FEATURES

- Cutting blade can rotate for mitre cut and tilt for compound cutting
- Smooth movement, high precision and great sensitivity provided with gas spring and ergonomic handles
- Cast iron construction of the body results in long service life

TECHNICAL DATA

- Location points at 15°, 22.5°, 30°, 45°, 60°, 90° for accurate and quick adjustment of most common mitre angles
- Pivoting range from 45° (Right) to 60° (Left) infinitely adjustable via mechanical stop
- Tilting range from 90° to 45°
- Cutting Capacity (WxH) at 90°: 410 x 170mm (16.1"x6.7")
- Cutting Capacity (WxH) rotated Right at 45°: 285 x 170mm (11.2"x6.7")
- Cutting Capacity (WxH) rotated Left at 60°: 205 x 170mm (8"x6.7")
- Cutting Capacity (WxH) tilted at 45°: 410 x 95mm (16.1"x3¾")
- Motor: 2.2kW (3HP), 600V, 50Hz
- Blade speed: 3000 RPM • Blade diameter: 420mm (16½")
- Blade hub diameter: 30mm (1.18")
- Operating air pressure: 6-8 Bar (87-116 psi)
- Air consumption: 7 litres/min (1.85 gal/min)

STANDARD EQUIPMENT

- 1 x Saw blade Ø 420mm (16½")
- 2 x Pneumatic vertical clamps
- 1 x Spray mist blade lubrication system
- Brake to stop the spinning of the blade after cutting
- Laser cutting line
- Digital angle readout
- Hydraulic damper brake for the saw head movement
- Transformer to run at 600V-60Hz-3Ph.

OPTIONALS

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

STANDARD ACCESSORIES

- Equipped with Ø 420 mm of saw blade wooden operations
- 2 x pneumatic vertical clamps
- Air gun

OPTIONAL ACCESSORIES

- Saw blades for aluminium or PVC
- Spray saw blade lubrication system
- Break unit working with motor stop button
- Laser marking indicating the cutting line
- Digital display for ease adjustment of pivoting angle
- Hydraulic control unit for saw head feed rate
- Miter for longitudinal cutting operations
- DKN 302, DKN 452, DKN 602 and MKN 301 conveyors