


FIREWOOD PROCESSORS - RCA



TAJFUN



Tajfun Firewood Processors, established under the brand name RCA, are essential forestry accessories for processing of wood biomass – logs into firewood. Tajfun product development is constantly directed towards optimal and simple operation for machine operators. You will choose and enjoy Tajfun Firewood processors because they excel in:

- Energy efficiency,
- Simple and fast set up and take down,
- High capacity,
- Compact and rugged construction,
- Simple user friendly controls.



RCA 480 JOY

RCA 480 JOY PLUS

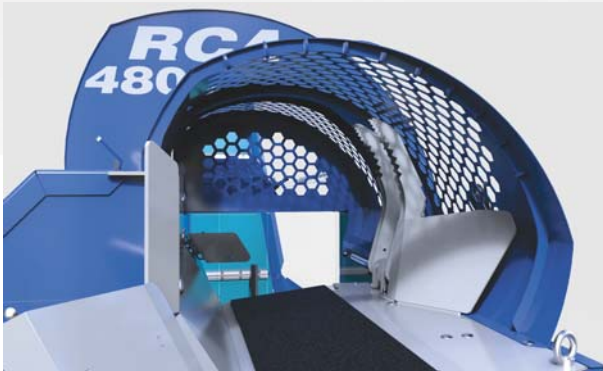
NEW

- P.T.O. Shaft (Required Tractor Power 30 kW; transport - 60 kW)
- Optional - 5 meter Discharge Conveyor TT 503
- Oil Cooler – standard; reliable machine operation including at higher temperatures
- Automatic wedge smoothing only in RCA 480 JOY PLUS
- Display showing machine data only in RCA 480 JOY PLUS



5-48
cm

≤250
kN



Before the Hydraulic Log Holder is a **Guide Lean** that guides the log and prevents it hitting the log holder. The Hydraulic Log Holder is used to fix the log and prevent it spinning and turning.



»**Joystick**« - the ergonomic, safe and user friendly operation of the main machine functions (infeed in/out, sawing, splitting, lifting/lowering the wedge...).



Two Swinging Laps remain in the horizontal position during cutting. Once the log is cut, the laps open and the log falls into the splitting chute.



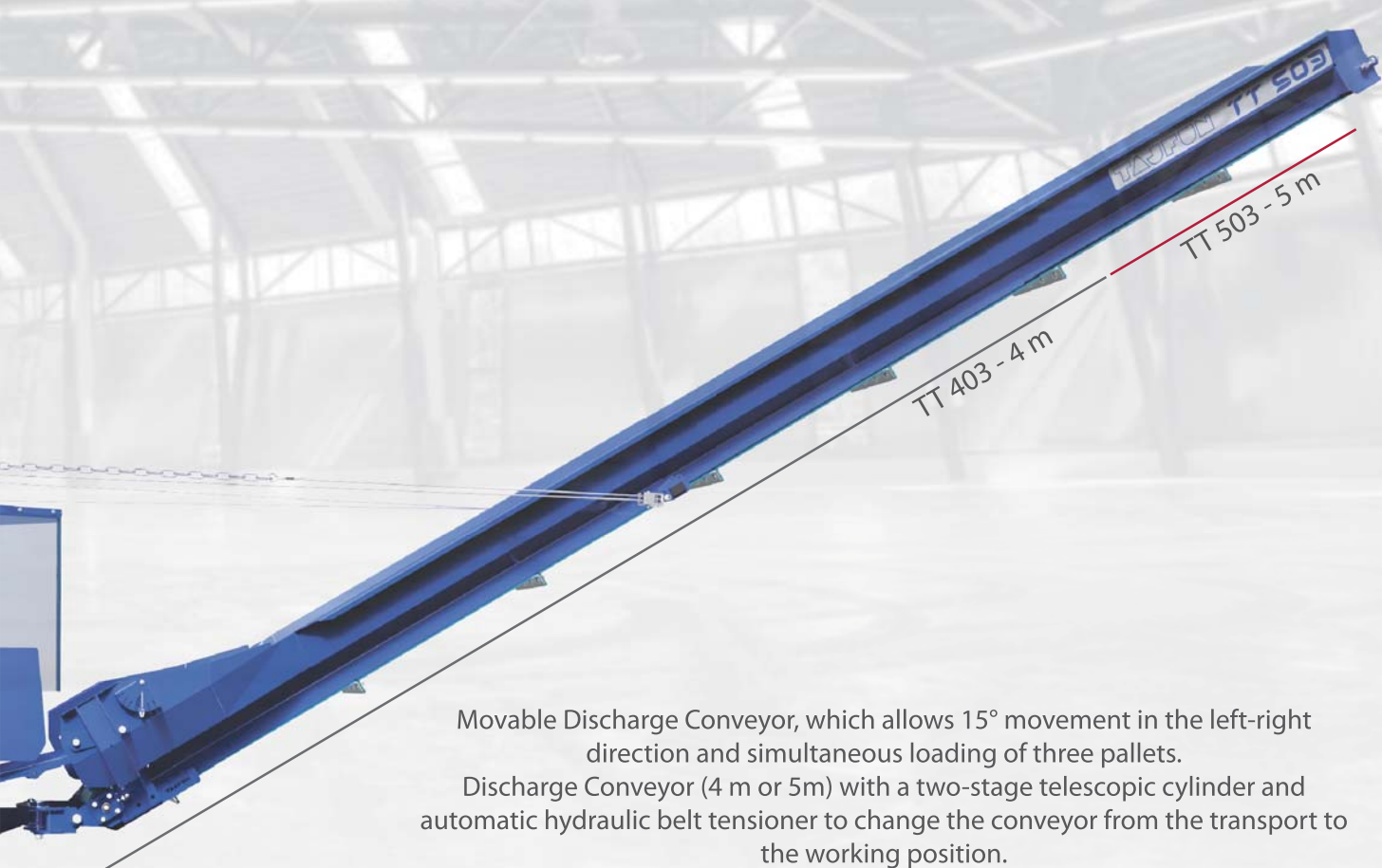
Splitting Cylinder with 250 kN splitting force - 2 Splitting speeds, switches automatically.



The lattice for Sawdust is located between the splitting wedge and the discharge conveyor.



The discharge conveyor comes with an **inclination index**.



Movable Discharge Conveyor, which allows 15° movement in the left-right direction and simultaneous loading of three pallets.

Discharge Conveyor (4 m or 5m) with a two-stage telescopic cylinder and automatic hydraulic belt tensioner to change the conveyor from the transport to the working position.



High-efficiency chainsaw (chain 3/8", sawbar 24") for fast and reliable sawing. The chain only operates during sawing (a electro-hydraulically driven clutch; the chain is automatically stopped and started). New lubrication pump for optimum chain lubrication.



The Hydraulic Length Limiter with offset function can be set from 25 - 50 cm.



Hydraulic Output for RCA accessories (Live Deck RN 3000 S / RN 3000 M).



Main Cover - safety switch ensures maximum safety by disengaging all the major functions when the cover is open.

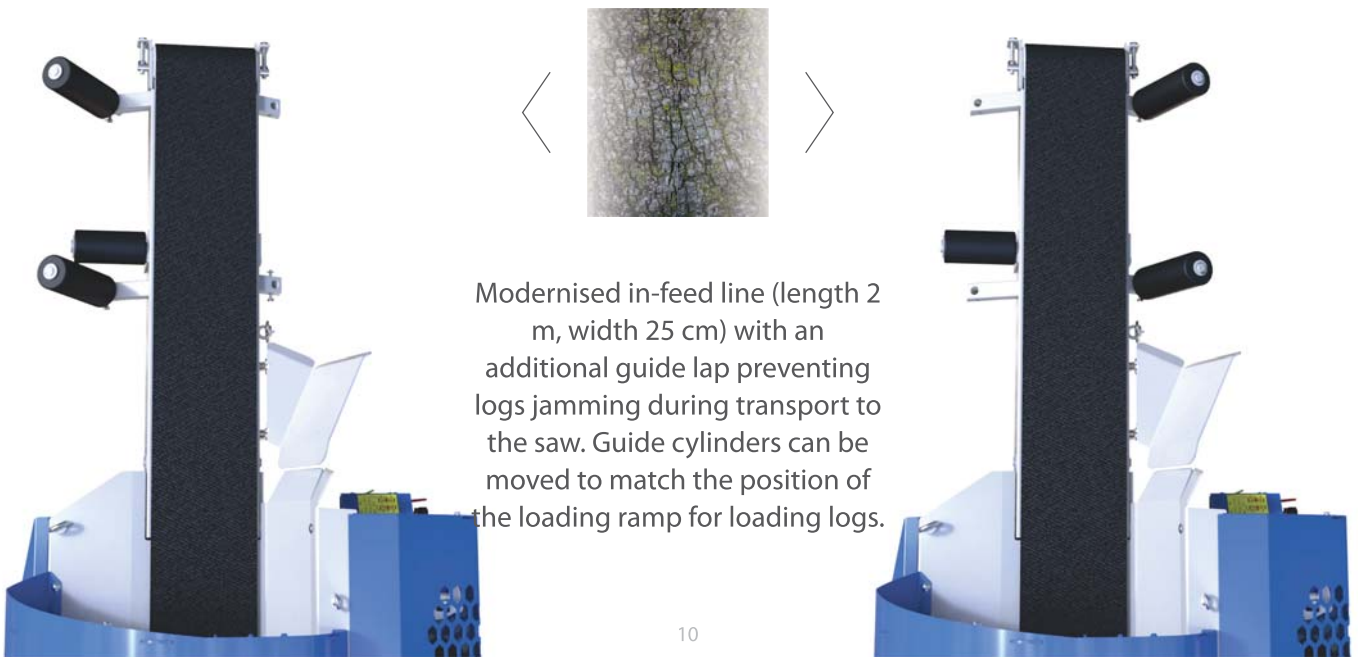


Tool Box standard equipment



Transport position: The In-feed and Discharge Conveyor can be set against the machine and attached. The machine is mounted on the tractor using a three point system.

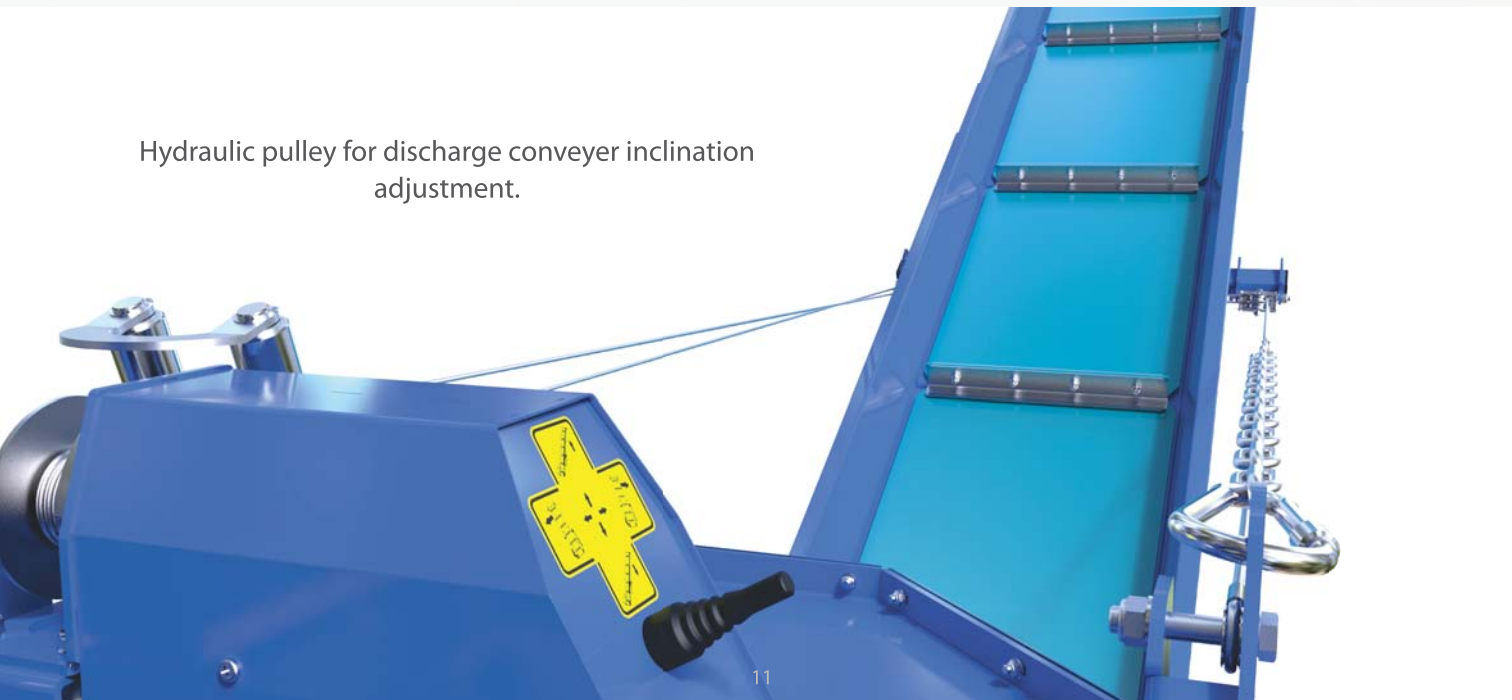
RCA 480 JOY RCA 480 JOY PLUS



Modernised in-feed line (length 2 m, width 25 cm) with an additional guide lap preventing logs jamming during transport to the saw. Guide cylinders can be moved to match the position of the loading ramp for loading logs.



Movable Discharge Conveyor, which allows 15° movement in the left-right direction and simultaneous loading of three pallets.

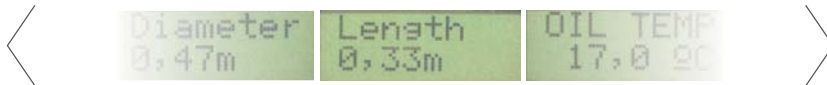


Hydraulic pulley for discharge conveyor inclination adjustment.

RCA 480 JOY PLUS

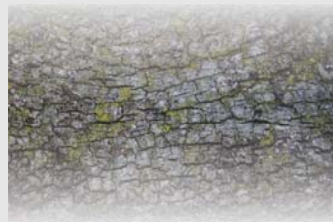


- Data shown on the display:
- Inbound PTO Shaft Speed
 - Hours of operation
 - Working pressures
 - Oil temperature
 - Production in m³: There are two values available; one of them is non-resettable, logging the total quantity of wood processed in the machine's lifetime. The other can be reset at any time.
 - Alarms



Automatic splitting wedge positioning; the vertical position of the splitting wedge adapts automatically to the log diameter (measurement is performed during the sawing process). The splitting wedge height can still be adjusted manually, as well (using the joystick).

- Detaching or replacing the splitting wedge; two lower positions of the mechanism
- Working position: the splitting wedge cannot detach by itself
 - Bottom: the mechanism is fully lowered and the splitting wedge can be detached



Controlling the machine using a controller; apart from the control itself, this also enables data acquisition and processing.

Warning light on the machine indicating whether the drive shaft rotation speed is correct:

- Unlit – rotation speed too low
- Lit – rotation speed correct
- Blinking – rotation speed too high

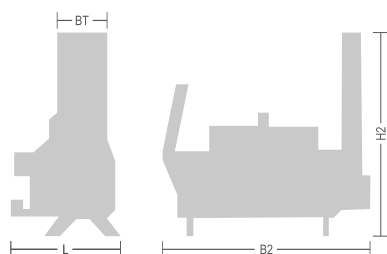




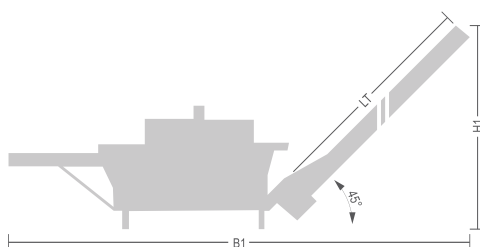
RCA 480 JOY RCA 480 JOY PLUS

Length of Cut Log	25 - 50 cm
Max. Diameter of Log	5 - 48 cm
Sawbar	Oregon 24", b = 1,5 mm
Chain	3/8" Oregon MULTICUT
Splitting Force	250 kN – two Splitting Speeds
Weight with Discharge Conveyor	1300 kg + 130 kg (TT 503 160 kg)
Required Tractor Capacity	30 kW (Transport - 60 kW)
Electric Motor	/
Inbound PTO Shaft Speed	400 - 430 min ⁻¹
Belt Speed (Discharge Conveyor)	Continuous Speed Control; 0 - 0,8 m/s

TRANSPORT POSITION



WORK POSITION, INCLINATION 45°

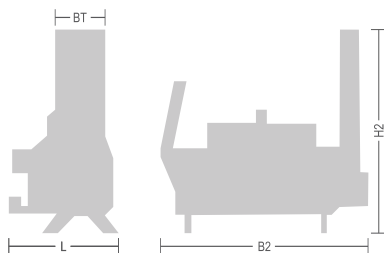


	RCA 480 JOY / RCA 480 JOY PLUS	TT 503
Width - Work Position (B1)	6100 mm	6930 mm
Length - Work Position (L)	1600 mm	
Height - Work Position (H1)	3150 mm	3800 mm
Width - Transport Position (B2)	2410 mm	
Length - Transport Position (L)	1600 mm	
Height - Transport Position (H2)	2330 mm	2630 mm
Length of Discharge Conveyor (LT)	4000 mm	5000 mm
Belt Width (Discharge Conveyor) (BT)	430 mm	

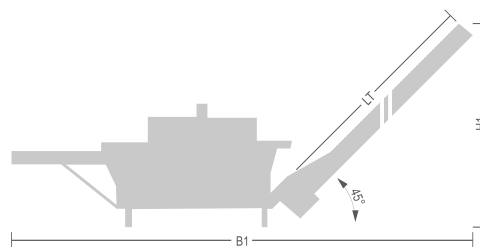
COMPARE

	RCA 400 JOY	RCA 480 JOY	RCA 480 JOY PLUS
Control - Joystick	x	x	x
Length of Cut Log 25 - 50 cm	x	x	x
Max. Diameter of Log	5 - 40 cm	5 - 48 cm	5 - 48 cm
Sawbar	Oregon 17", b = 1,5 mm	Oregon 24", b = 1,5 mm	Oregon 24", b = 1,5 mm
Chain 3/8"Oregon MULTICUT	x	x	x
Splitting force with 2 Splitting speeds	x (150 kN)	x (250 kN)	x (250 kN)
Movable Discharge Conveyor	Optional	x	x
Automatic splitting wedge positioning			x
Display showing machine data			x
Hydraulic pulley for discharge conveyor inclination adjustment		x	x
Weight with Discharge Conveyor	950 kg + 130 kg (TT 503 160 kg)	1300 kg + 130 kg (TT 503 160 kg)	1300 kg + 130 kg (TT 503 160 kg)
Required Tractor Capacity	30 kW (Transport - 60 kW)	30 kW (Transport - 60 kW)	30 kW (Transport - 60 kW)
Inbound PTO Shaft Speed	400 - 430 min ⁻¹	400 - 430 min ⁻¹	400 - 430 min ⁻¹
Belt Speed (Discharge Conveyor) Continuous Speed Control	0 - 0,8 m/s	0 - 0,8 m/s	0 - 0,8 m/s

TRANSPORT POSITION



WORK POSITION, INCLINATION 45°



	RCA 400 JOY	RCA 480 JOY / RCA 480 JOY PLUS
Width - Work Position (B1)	6100 mm (TT 503 - 6930 mm)	6100 mm (TT 503 - 6930 mm)
Length - Work Position(L)	1400 mm	1600 mm
Height - Work Position(H1)	3150 mm (TT 503 - 3800 mm)	3150 mm (TT 503 - 3800 mm)
Width - Transport Position (B2)	2350 mm	2410 mm
Length - Transport Position (L)	1400 mm	1600 mm
Height - Transport Position (H2)	2480 mm (TT 503 - 2768 mm)	2330 mm (TT 503 - 2630 mm)
Length of Discharge Conveyor (LT)	4000 mm (TT 503 - 5 m)	4000 mm (TT 503 - 5 m)
Belt Width (Discharge Conveyor) (BT)	430 mm	430 mm

RCA ACCESSORIES

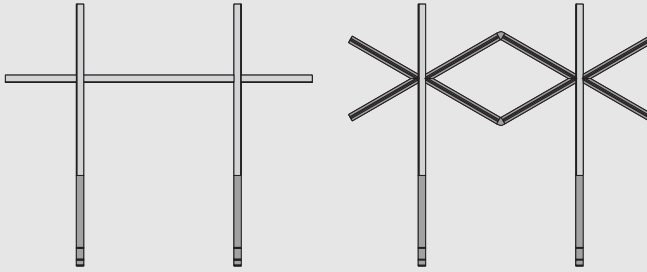
COMPATIBILITY

	RCA 320	RCA 380	RCA 400 JOY	RCA 480 JOY
Splitting Wedge RCA 320-2	x			
Splitting Wedge RCA 380 and RCA 400 JOY		x	x	
Splitting Wedge RCA 480 JOY				x
Log Loader DM 1501	x			
Log Loader DM 1511 M		x	x	
Live Deck RN 3000		x	x	x
Electric Power Unit EP 11	x (without Oil Cooler)	x (without Oil Cooler)		
Electric Power Unit EP 12	x (with Oil Cooler)	x (with Oil Cooler)	x	x
Diesel Unit DP 26	x	x	x	x
Sawdust Extractor Fan XE 10	x	x	x	x
Sawdust Extractor Fan XE 10 Hy	x	x	x	x
Sawdust Extractor Fan XE 11 Hy	x	x	x	x
Mobile Sawdust Separator GRENC	x	x	x	x
Separator SP 10	x	x	x	x
Tajfun P.T.O. Shafts	x	x	x	x
Walterscheid P.T.O. Shafts	x	x	x	x
Cover Roof E 11	x	x	x	

Splitting Wedges

made from Hardox 450

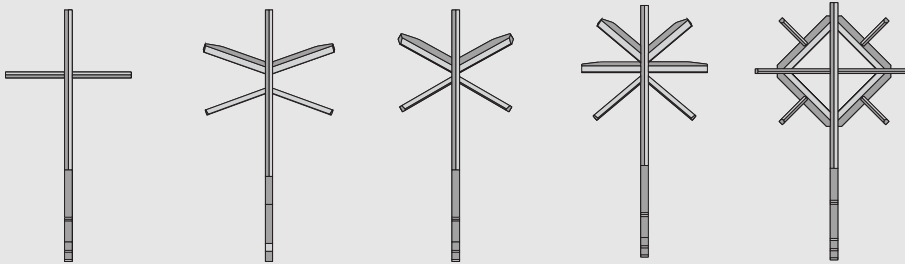
RCA 320-2



○ For splitting in 4 parts

○ For splitting in 6 parts

RCA 380 and RCA 400 JOY



○ For splitting in 4 parts

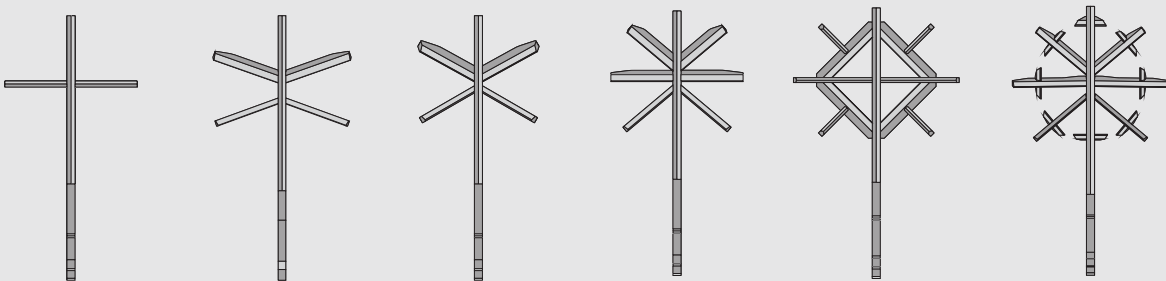
○ For splitting in 4 or 6 parts; splitting wedge is adjustable for splitting in 4 or 6 parts.

○ For splitting in 6 parts

○ For splitting in 8 parts

○ For splitting in 12 parts (appropriate for softer wood).

RCA 480 JOY and RCA 480 JOY PLUS



○ For splitting in 4 parts

○ For splitting in 4 or 6 parts; splitting wedge is adjustable for splitting in 4 or 6 parts.

○ For splitting in 6 parts

○ For splitting in 8 parts

○ For splitting in 12 parts (appropriate for softer wood).

○ For splitting in 16 parts (appropriate for softer wood).

Splitting Wedge Holder (RCA 380, RCA 400 JOY or RCA 480 JOY)
Available as RCA Accessory

