

## **BAND SAW BLADE SHARPENER AF 531**



The Alix AF 531 sharpener is a machine for sharpening band saw blade teeth of log saws. It is a simple and functional machine for correctly sharpening several types of blades. It consists of a compact steel, extra strong structure that considerably reduces any type of vibration. Tooth shaping is achieved using the traditional double-cam system. The grinding wheel dressing device ensures a constant and correct grinding wheel profile until it is completely worn out. Nonetheless, this profile can be changed according to the thickness of the grinding wheel used, to optimise the profile of all types of teeth. Vertical adjustment of the blade support stand is motorised which allows the blade to be precisely positioned. Brake vice closing is pneumatic with adjustable braking force. The switchboard features an ergonomic and user-friendly panel. The machine is produced in the right or left handed version: a wide choice of optional accessories means that you can customise the machine according to your specific needs. On request, the rotation speed of the grinding wheel can be variable to keep the peripheral speed of the same constant; this, together with the abundant supply of coolant, ensures an excellent finish of the tooth and avoids dangerous thermal alterations on the blade body.

MAIN TECHNICAL DATA	UM	SHARPENER – MOD. AF 531	
Blade width	[mm]	min 50	max 310
Blade length (depending on the type of support)	[mm]	min 4500	max 13000
Tooth pitch	[mm]	min 20	max 80
Blade thickness	[mm]	min 0,8	max 2,1
Tooth height	[mm]	max 35	
Coupling angle	[degrees]	max 40	
Grinding wheel diameter	[mm]	300	
Grinding wheel surface speed at fixed rpm	[m/sec]	44	
Constant grinding wheel surface speed	[m/sec]	63	
Grinding wheel motor power	[Kw]	3	
Feed speed	[teeth/min]	8	
Adjustable feed speed	[teeth/min]	max 20	
Max installed power	[Kw]	4,2	
Approximate machine weight	[daN]	990	
Coolant tank capacity	[l]	230	

#### AVAILABLE ACCESSORIES

- Cross pieces on carousel to aid blade loading
- Front stand for blades smaller than 5500
- Grinding wheel support flange (with balancing weights)
- Grinding-wheel balancer kit
- Grinding-wheel support auxiliary flange
- Internal lighting
- Variable work speed
- Variable grinding-wheel rotation speed
- Rear auxiliary feed
- Coolant level control
- Grinding wheel dressing device
- Motorized carousel adjustment
- Walk-on platform
- Hour counter
- Kit for blades with double teeth