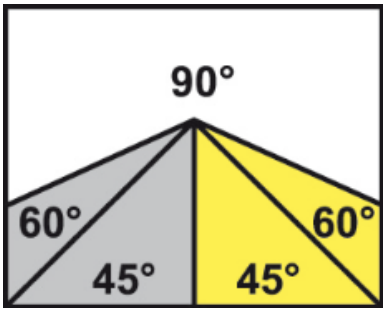
ARG 235

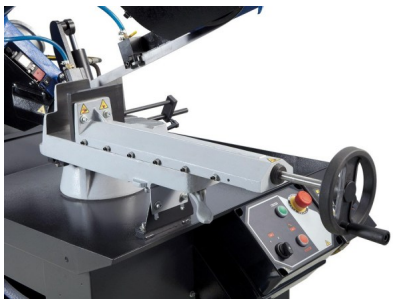
2710 x 27 x 0,9

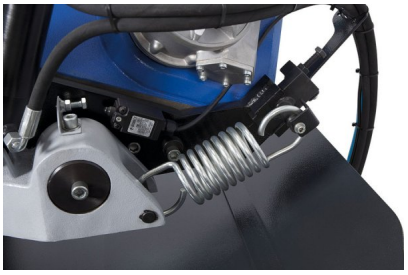


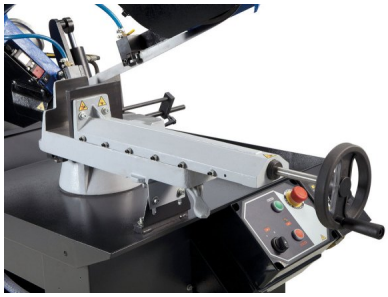
Upgraded version of the historically best selling model series ARG 220 with entirely new shoulder blade and unique design.
Enlarged has been the maximum diameter of the split material from 220 mm to 235 mm and by rectangular cross sections from 270 x 150 mm to 280 x 180 mm.

Category: Descente assistée

GALLERY IMAGES







PRODUCT DESCRIPTION

The most up to date concept of the cast arm guarantees outstanding stiffness of the entire system, maximum accuracy during cutting and a long service life of the saw bands. All of electrical wiring and coolant distribution are concealed in hollow parts of the arm, which means they are protected from damage. The new concept of the arm also brings a great simplification when changing the saw band or when cleaning the inside of the arm. You just need to open the hinged back cover of the arm and it will stay locked in the upper position. Apart from the new saw arm design, there are many technological adjustments that improve user comfort as well as the quality and durability of the machine. New is also the height-adjustable lever of the arm stroke leading to more ergonomic operation of the machine. As an accessory, it is possible to use the cleaning brush of the saw band that is synchronously driven by the driving wheel.

A universal band saw is appraised for general use in various workshops (work on locks, maintenance) and at plants with machinery. Industrial band 27 x 0.9 mm is manufactured in many versions and allows for cutting of wide range of materials, including stainless steel or tool steel. The band saw arm uplift is manual; the feed into cut is carried out by the weight of the arm, with the possibility of continuous regulation by the oil damper butterfly valve. When the cut is finished the band saw drive automatically switches off. To facilitate easy arm uplift the machine is equipped with adjustable tension spring that allow for setting of optimum force required for the arm uplift according to characteristics of the material to be cut.

- Continuous adjustment of the cutting angle within the range 90°– 60° when the workpiece is clamped tight.
- Very robust machine framework composes of castings from grey cast iron and ensures

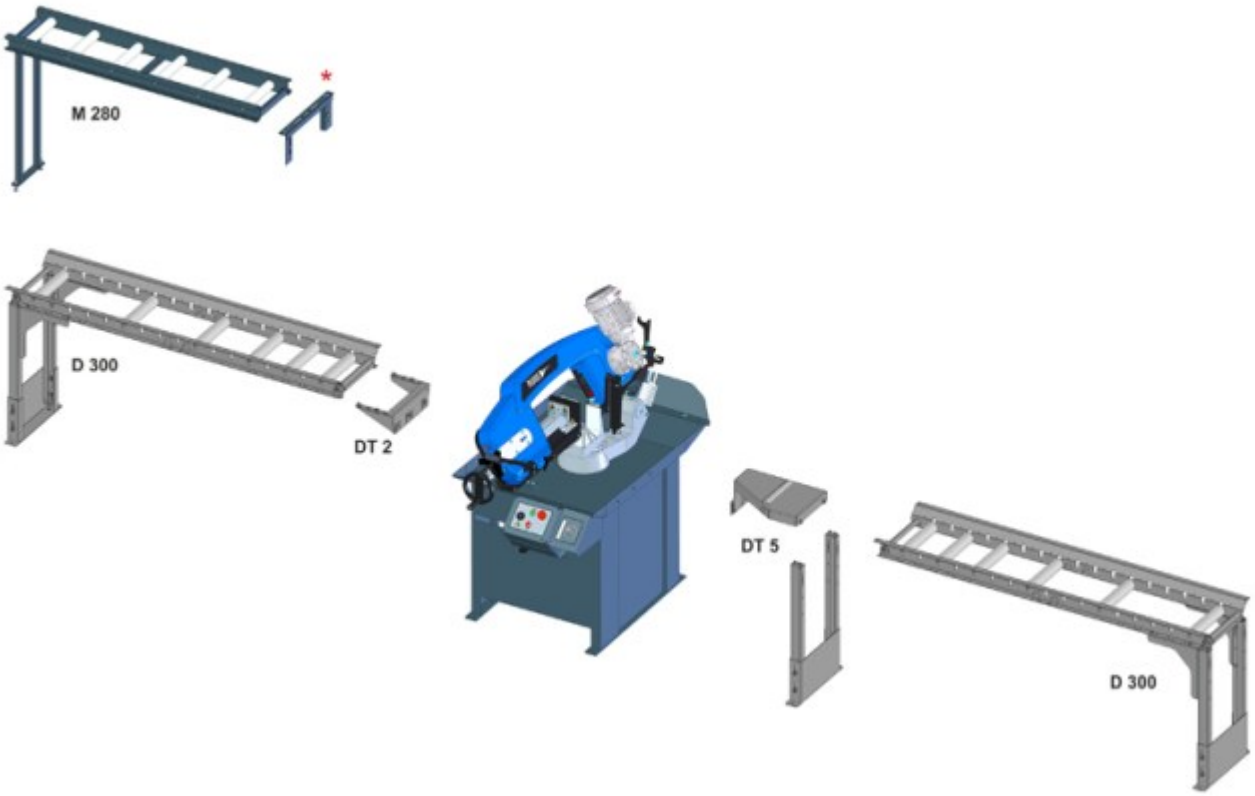
vibration absorption.

- Modern concept of the band saw arm allows for large cutting ranges in upright and angular cuts.
- Simple locking and adjusting of the desired cutting angle on the angle scale.
- Massive quick-clamping vice ensures easy and reliable material clamping.
- Large diameter running wheels and precise three-side hardmetal guiding ensure long service life of the band and cutting accuracy.
- Overdesign of running wheel bearings, tensioning wheel system and all rotary parts ensures long service life of the machine.
- Noiseless and maintenance-free band drive is provided by an industrial electric motor with worm gearbox.
- Three-phase two-speed motor (400 V) allows for the selection of band speed between 40 and 80 m/min.
- The machine is connected to a complete cooling system with a high-performance pump and possibility of regulating the flow on both guiding heads independently. Coolant tank with a pump is placed in the base of the machine.
- Easy control by ergonomically placed controls (electrical and hydraulics) on the base of the machine.
- A continuously adjustable 250 mm stop is supplied with the machine.

	90°	+45°	+60°
●	235	185	115
■	230	160	80
▬	280 x 180	185 x 100	115 x 80

Main motor	400 V, 50 Hz, 0,9/1,4 kW
Pump motor	400 V, 50 Hz, 0,05 kW
Saw blade speed	40/80 m/min.
Working height of vice	900 mm
Coolant tank	cca 15 l
Machine dimensions (min.)	1680 x 750 x 1400 mm
Machine dimensions (max.)	1870 x 1300 x 2000 mm
Machine weight	285 kg

Convoyeurs disponibles:



Workpiece stop – Standard equipment
Simple stop for setting the required length of the material to be cut.

Frequency converter
Enables continuous blade speed regulation between 15–90 m/min. and thus setting the optimum cutting conditions for the given material.

Pressure device
Used to clamp the bundles of material to be cut. Ensures simple and reliable material clamping using a vertical contact pressure.

Material chute
Continuously joins the vice behind the cut and allows for easy slide of cut pieces into a container when cutting larger series. The chute construction consisting of 2 parts prevents leakage of the coolant.

Halogen lamp
Provides good lighting of the workplace of the machine. An invaluable tool especially when the lighting at the workplace is insufficient.

Oil mist lubrication
Creates an oil mist that is sprayed onto the cutting edge. It replaces the use of a classic coolant, especially when cutting sections during which leakages may occur. Possibility of using organic oils.

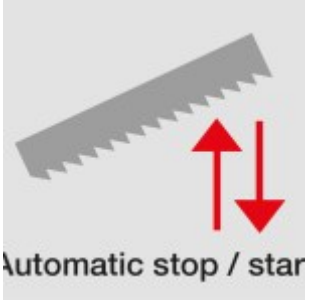
Workpiece stop 500 mm
Robust stop with a 500mm scale for setting the required length of the material to be cut.

Cleaning brush
Steel cleaning brush, driven by driving wheel. Used to remove chips from the saw band behind the cut.

Saw band tension indicator
Ensures accurate tensioning of the saw band to a required value according to the pressure gauge and its control during the use of the machine. Optimum tensioning of the saw band is essential for its service life and cutting accuracy.

Rinse spray gun
For cleaning working space of the machine.

Additional table roller
For an easier feed of material to the cut in case of no roller conveyor. It can be used in front of the cut as well behind the cut.



Auto-start descent of the arm
In standard machines, the control valve of the arm descent has to be shut after the arm uplift and by the next arm descent, the descent speed has to be set again. In this version, the control valve is additionally fitted with an electro-hydraulic valve, which remains after the arm uplift in the set position. After saw blade start, it is automatically released and the arm descents into the cut at a set speed. Thus, setting of the descent speed for each cut falls off. This significantly eliminates operator error and thus protects the saw blades, and increases also productivity of the machine. An ideal help when cutting material in larger series.