



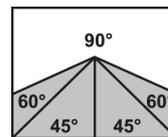
## Pilous

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## IR 200



2120 x 27 x 0,9

Main motor	3 x 400 V/50 Hz, 0,9/1,4 kW, or 1 x 230 V/50Hz, 1,1 kW
Saw blade speed	40/80 m/min., or 40 m/min
Rail type	R65, S49, S54, UIC 54, UIC 60
Rail dimensions (max.)	190/90 x 200 mm
Coolant tank	cca 5 l
Machine dimensions	1011 x 481 x 531 mm
Machine weight	arm 52 kg / base 19 kg

## DESCRIPTION

Compact and easily portable band saw for fast and convenient cutting of rails. Useful especially during repairs and maintenance on rails.

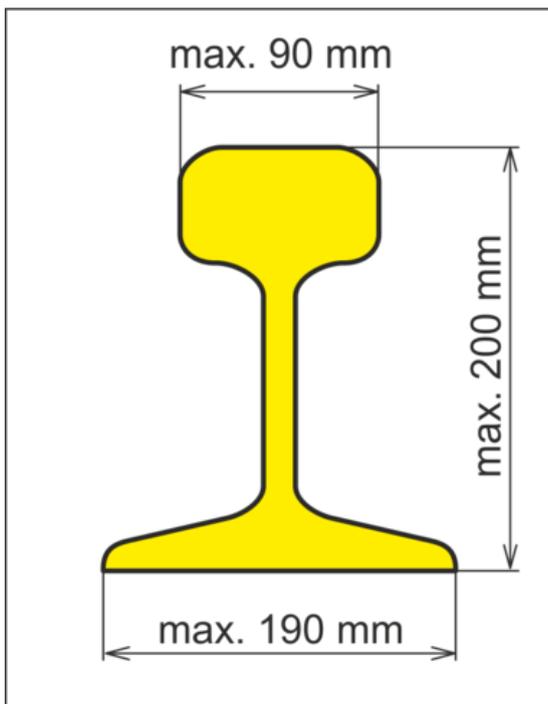
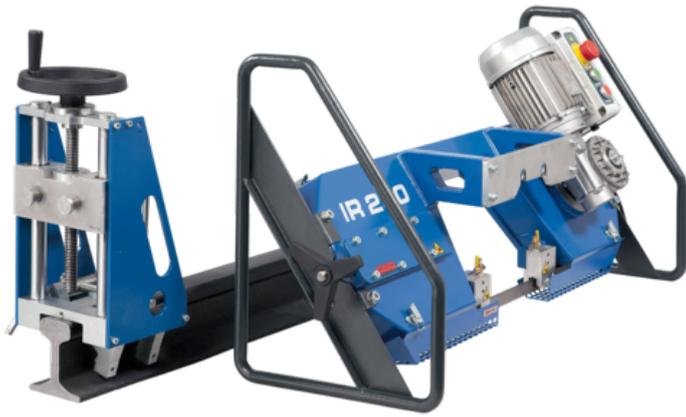
**The band saw consists of two independent parts in order to ensure easiest possible transport:**

- The clamping part with the system feeding the arm into the cut. Allows very simple, fast and reliable clamping to the rail. Feed into cut is carried out by simple turning of the handwheel. Complete massive construction of the system with guidance on strong chromium hard plated rods ensure maximum cutting accuracy and long-term service life.

- Saw band arm Basic part of the arm is a massive aluminium casting. Professional, noiseless and maintenance-free band drive is provided by an industrial electric motor with worm gearbox. The accuracy of the saw band in the cut is provided by a precise three-side hardmetal guidance of the band. Industrial, massive bearing of running wheels, tensioning wheel system and all rotary parts.

Very simple and quick installation of the saw band and locking onto a locking system. The cooling and lubricating system of the saw band is connected to the machine. The coolant is driven from the pressure container directly to the cut. When using biologically degradable coolants the use of the cooling system is completely environment-friendly. To ensure easy transport the saw band arm is fitted with large handles which also serve as a protection during handling and putting aside.

PHOTOGALLERY





- Original bandsaw blades produced using the latest technology with top-quality German materials, while strictly complying with all stated production and control procedures.
- High productivity and precision of cut with the maximum service life of the blade is ensured.
- Wide range of produced types of sawblades and tooling enables the professional cutting of almost all available materials.

**Bi-metal blade**  
Consists of bearing band from special steel on which a layer of HSS material is welded into where the teeth are milled.

**Constant toothting**  
The distance of the teeth are always the same.

**Variable toothting**  
The distance of teeth vary and is periodically repeated. This results in a greater cutting range, ability to further eliminate vibrations caused by the impact of the tooth blade on material, longer service life of the blade.

**M42**

Universal blade recommended for a wide palette of material, including tool steels and stainless steel up to hardness 45 HRC. Teeth are made from steel HSS-M42 containing cobalt.

**M51**

Blade for tool and stainless steel with hardness up to 50 HRC. Tooth tips are made from steel HSS-M42 containing cobalt and wolfram

**Carbide**

Consists of bearing band from special steel into which the teeth are milled on which especially grinded carbide plates are welded. The carbide mounted blade is recommended for cutting surface hardened materials, chrome parts, forged pieces and materials with external tenacity and hardness up to 62 HRC.

**Cutting range**

For optimal output of the blade, the correct selection of the size of the blade tooth is important depending on the size of the divided material.



Variable toothting		Constant toothting		Variable toothting		Constant toothting	
a(D) [mm]		a(D) [mm]		t [mm]		t [mm]	
0-25	10/14	0-10	18	0-4	10/14	0-1	18
20-40	8/12 (8/11)	5-20	14	3-6	8/12 (8/11)	0-3	14
30-60	6/10	20-40	10	6-9	6/10	4-7	10
40-70	5/8 (5/7)	40-80	6	9-13	5/8 (5/7)	8-11	6
60-110	4/6	80-120	4	12-16	4/6	12-15	4
80-140	3/4	120-200	3	16-22	3/4	16-20	3
120-350	2/3	200-400	2	20-35	2/3	21-30	2
250-550	1,4-2	300-800	1,25	30-85	1,4-2	31-90	1,25
380-750	1/1,5			40-85	1/1,5		
550-3000	0,75/1,25			80-200	0,75-1,25		

When selecting the number of teeth for the blade, the general principle applies of a minimum of 4 teeth, but no more than 30 teeth are in contact with the work piece.

Be careful when unpacking welded saw blades. They are in a shipping container in tensioned condition. Remove the saw blade cover only after fitting it onto the machine.

