

**BOMAR, spol. s r.o.**

Těžební 1236/1  
627 00, Brno  
Česká Republika

Tel. + 420 533 426 100  
info@bomar.cz

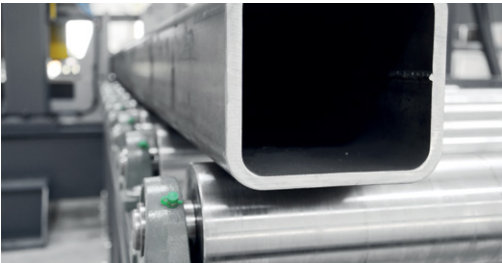
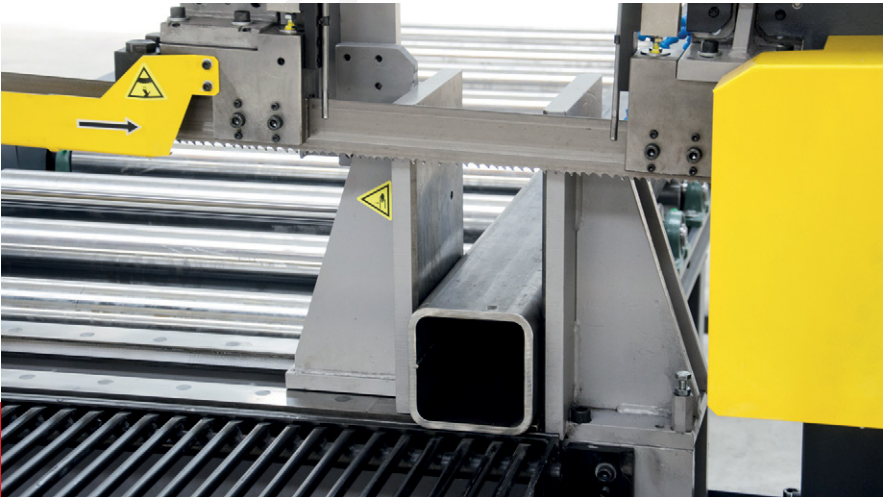
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# ***Extend***

# Extend

A universal semiautomatic band saw of a double-column construction, designed for cutting full and profile materials at 90° angles. The outstanding cutting power of the machine coming from the following features: a three-sided hardmetal band precision guide, a saw arm laid both-sided on preloaded linear guides, solid saw band and synchronous running brush for chips disposal. The pedestal, frame and pillars in all of the Extend Series machines are filled with a polymer-concrete mixture developed by our company. In connection with preloaded, largely over-dimensioned guiding, the polymer-concrete technology allows the machine to perform cuts with almost no vibration. Material clamping and arm downfeed are controlled hydraulically, while the material feed is manual. The whole work cycle is completed at the press of a single button: the material is clamped, the saw band starts up, cutting is carried out, the arm is raised to the set top position, and the vice is opened. After switching the machine to the manual mode, all functions of the machine may be controlled separately. All control elements are located on the freely-adjustable control panel. Material clamping is performed by a full stroke vice. The machine is equipped with a frequency convertor that allows the saw band's optimal speed to be set against the processed material within the 15–90 m/min range; this signi cantly increases both the saw band lifetime and the machine's productivity. The standard equipment also includes automatic downfeed pressure regulation dependent on the resistance of the processed material, and continuously adjustable arm downfeed. The saw band is tilted against the vice load surface at a 2° angle for universal usage. Upon request, the arm may be tilted at 6° for an even shorter cutting groove in profiles and supports which substantially shortens cutting times and contributes to a longer lifetime of the saw band. Alternatively, the arm need not be tilted at all (0°) for processing full material. In connection with the feeding system, the saw may be extended to a fully automatic device.

## Robust, powerful



Hard-metal guidance of the saw band ensure high cutting accuracy..










Freely adjustable control panel.

The arm feed to cut is led through the hydraulic cylinder. The arm is mounted on a linear guide.



### Technical information

								Saw band – dimensions	Saw band – speed
Extend 700.520	0°	520	700x520	520	400	400	700x520	6640x41x1,3mm	15-90 m/min
Extend 800.620	0°	620	800x620	620	400	400	800x620	7300x41x1,3mm	15-90 m/min
Extend 900.720	0°	720	900x720	720	550	550	900x720	8560x54x1,6mm	15-90 m/min
Extend 1000.820	0°	820	1000x820	820	550	550	1000x820	9280x54(67)x1,6mm	15-90 m/min
Extend 1120.1120	0°	1120	1120x1120	1120	700	700	1120x1120	11120x67x1,6mm	15-90 m/min
Extend 1320.1320	0°	1320	1320x1320	1320	700	700	1000x800	12150x67x1,6mm	15-90 m/min
Extend 1520.1520	0°	1520	1520x1520	1520	-	-	-	11200x80x1,6mm	15-90 m/min
Extend 2020.2020	0°	2020	2020x2020	2020	-	-	-	13200x80x1,6mm	15-90 m/min