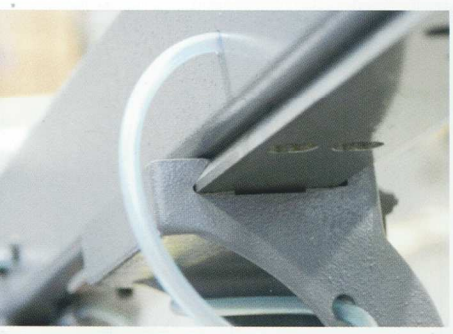
Workline 410.280
Workline 510.350
Workline 610.450



WORKLINE SEMIAUTO

BOMAR®

www.bomar.cz

Workline NH series – strong cut at 90°

The NH series Workline machines are intended for straight cuts in a semiautomatic mode. A fully hydraulic clamping device with a tightening system provides ideal material clamping, and in connection with cutting pressure sensitive regulation presents a suitable solution for your tasks.

Equipment as an argument

- Comfortable, simple operation with a swivelling control panel
- An innovative, fully hydraulic clamping vice with a tightening system
- Continuous regulation of the band speed with a frequency convertor within the 20–120 m/min range
- Sensitive regulation of the cutting pressure for automatic material adjustment
- Brushes for removing chips, synchronous with the band speed
- All control elements located on the front side of the machine

Overview of *technical data*

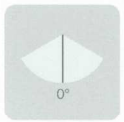
Workline *410.280* NH	0°	280 mm	410×280 mm	410×280 mm	280 mm	150 mm	150 mm
Band saw	3800×0,9×27 mm						
Driving power	2,2 kW						
Band speed	20–120 m/min						
Workline *510.350* NH	0°	350 mm	510×350 mm	510×350 mm	350 mm	250 mm	250 mm
Band saw	4780×1,1×34 mm						
Driving power	3 kW						
Band speed	20–120 m/min						
Workline *610.450* NH	0°	450 mm	610×450 mm	610×450 mm	450 mm	250 mm	250 mm
Band saw	5200×1,1×34 mm						
Driving power	3 kW						
Band speed	20–120 m/min						

Accurate guiding

The saw band is guided with precisely adjustable, ground hardmetal guiding elements.

Strong clamping

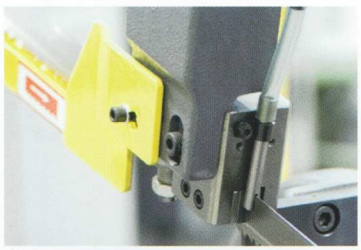
The whole surface of the clamping jaws is channelled, providing strong clamping of all material shapes.



Only 0° cuts

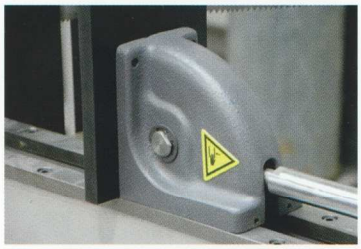
Hydr. lifting of the saw frame
Hydr. material clamping
Semiautomatic cutting cycle with the return to the default position

Elaborated to every detail



Precise

The saw band guiding is equipped with a hardmetal precision guide. Guiding rolls relieve the saw band and increase the cutting precision.

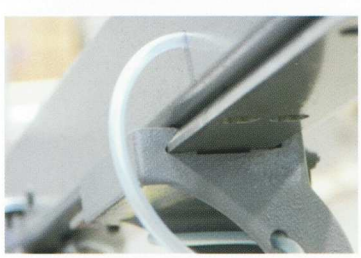


Tightening system

The hydraulic vice is equipped with a Workline series tightening system.

Plain and well-arranged

The control panel integrates all control elements.



Massive guiding

The saw guide arm, adjustable individually upon the material width, is laid on a massive ground prismatic guiding.

BOMAR

Workline GH series – universal comfortable operation

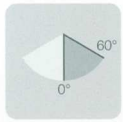
Thanks to mitre cuts up to 60° and simple operation, the Workline GH series is an irreplaceable solution for workshops and plants. This universal machine is equipped with a downfeed hydraulic vice and a large angular scale.

Equipment as an argument

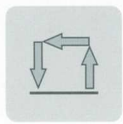
- Continuous right mitre cuts up to 60°
- An easy-to-read angular scale right by a clamping lever for adjusting mitre cuts
- A full-stroke hydraulic vice with a tightening system
- Continuous regulation of the band speed with a frequency convertor within the 20–120 m/min range
- A chip collecting, removable tank with a drainage sieve above the coolant vessel
- Brushes for removing chips, synchronous with the band speed
- A control panel with all control elements located ergonomically on the front side of the machine

Overview of *technical data*

Workline *410.280* GH	0°	280 mm	410×280 mm	410×280 mm	280 mm	150 mm	150 mm
	45°	280 mm	310×150 mm	260×280 mm	270 mm		
	60°	210 mm	205×100 mm	175×280 mm	190 mm		
Band saw	3800×0,9×27 mm						
Driving power	2,2 kW						
Band speed	20–120 m/min						
Workline *510.350* GH	0°	350 mm	510×350 mm	510×350 mm	350 mm	250 mm	250 mm
	45°	350 mm	400×100 mm	340×350 mm	340 mm		
	60°	250 mm	260×100 mm	220×350 mm	240 mm		
Band saw	4780×1,1×34 mm						
Driving power	3 kW						
Band speed	20–120 m/min						
Workline *610.450* GH	0°	450 mm	610×450 mm	610×450 mm	350 mm	250 mm	250 mm
	45°	350 mm	400×100 mm	340×350 mm	340 mm		
	60°	310 mm	320×100 mm	260×450 mm	300 mm		
Band saw	5200×1,1×34 mm						
Driving power	3 kW						
Band speed	20–120 m/min						



Continuous adjustment of mitre cuts within 0°–60°, with a large and easy-to-read angular scale

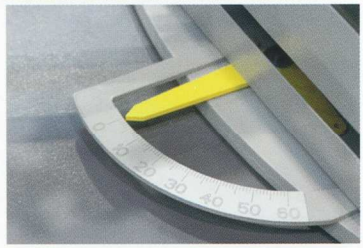


Hydr. lifting of the saw frame
Hydr. material clamping
Semiautomatic cutting cycle with the return to the default position

Elaborated to every detail

Massive bearing surface

A large material bearing surface directly beneath the saw band with a large area for precise cuts.

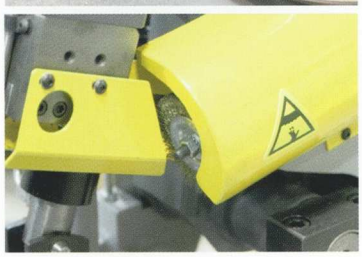


Easy-to-read

A large angular scale with an easy-to-read indicator located on the front side of the clamping vice.

Mitre cuts

The saw frame clamping is located ergonomically and effectively above the angular scale.



Synchronous

A driven brush for removing chips is always synchronous with the band speed.

Workline DGH *series* – solution for steel structures

With mitre cuts up to 60° range to both sides, including cutting pressure series regulation, the Workline DGH series is an ideal basic model for the production of steel structures. Thanks to a wide range of accessories and handling possibilities, the saw will soon become an ideal solution for your needs.

Equipment as an argument

- Continuous both-sided mitre cuts up to 60°
- A large, easy-to-read angular scale on the front side of the machine by the mitre cuts clamping lever
- A full-stroke hydraulic vice with a tightening system
- An easily movable clamping vice for mitre cuts
- A large hydraulic unit
- Brushes for removing chips, synchronous with the band speed
- A simple, easy-to-read control panel
- Electronic control of the band tensioning and rupture

Overview of *technical data*

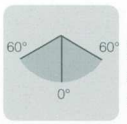
Workline *410.280* DGH	0°	280 mm	410×280 mm	410×280 mm	280 mm	150 mm	150 mm
right	45°	280 mm	310×150 mm	260×280 mm	270 mm		
right	60°	210 mm	205×100 mm	175×280 mm	190 mm		
left	45°	280 mm	330×100 mm	290×280 mm	280 mm		
left	60°	220 mm	225×100 mm	170×280 mm	210 mm		
Band saw	3800×0,9×27 mm						
Driving power	2,2 kW						
Band speed	20–120 m/min						

Workline *510.350* DGH	0°	350 mm	510×350 mm	510×350 mm	350 mm	250 mm	250 mm
right	45°	350 mm	400×100 mm	340×350 mm	340 mm		
right	60°	250 mm	260×100 mm	220×350 mm	240 mm		
left	45°	350 mm	415×100 mm	360×350 mm	350 mm		
left	60°	270 mm	280×100 mm	220×350 mm	260 mm		
Band saw	4780×1,1×34 mm						
Driving power	3 kW						
Band speed	20–120 m/min						

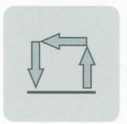
Workline *610.450* DGH	0°	450 mm	610×450 mm	610×450 mm	450 mm	250 mm	250 mm
right	45°	450 mm	480×100 mm	410×450 mm	420 mm		
right	60°	310 mm	320×100 mm	260×450 mm	300 mm		
left	45°	450 mm	500×100 mm	380×450 mm	420 mm		
left	60°	340 mm	350×100 mm	220×450 mm	320 mm		
Band saw	5200×1,1×34 mm						
Driving power	3 kW						
Band speed	20–120 m/min						

Certified *safety*

All saws of the Workline series are delivered with a Declaration of conformity with the current machinery EU Directive, issued by TÜV Süd for the Czech Republic.



Both-sided mitre cuts continuously adjustable within the 0–60° range, with a large, easy-to-read angular scale

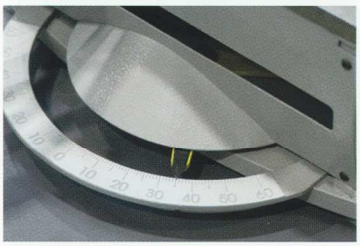


Hydr. lifting of the saw frame
Hydr. material clamping
Semiautomatic cutting cycle with the return to the default position

Elaborated to every detail

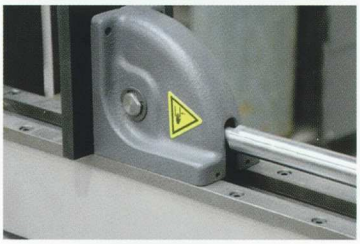
Movement possibilities

The moveable clamping device for mitre cuts, with double laying, may be moved easily.



Mitre cuts display

A large display for showing mitre cuts is located on the front side by the clamping lever.



Guiding

The vice jaw with the tightening system is equipped with large, replaceable guiding elements..

Monitoring

Workline machines are equipped with electronic monitoring of the band tensioning and possible rupture.

Innovative *clamping system*

The Workline series semiautomatic saws are equipped with an innovated clamping system and offer comfortable operation through a full-stroke cylinder as well as stable support of the material on the clamping vice.

1 Tightening system

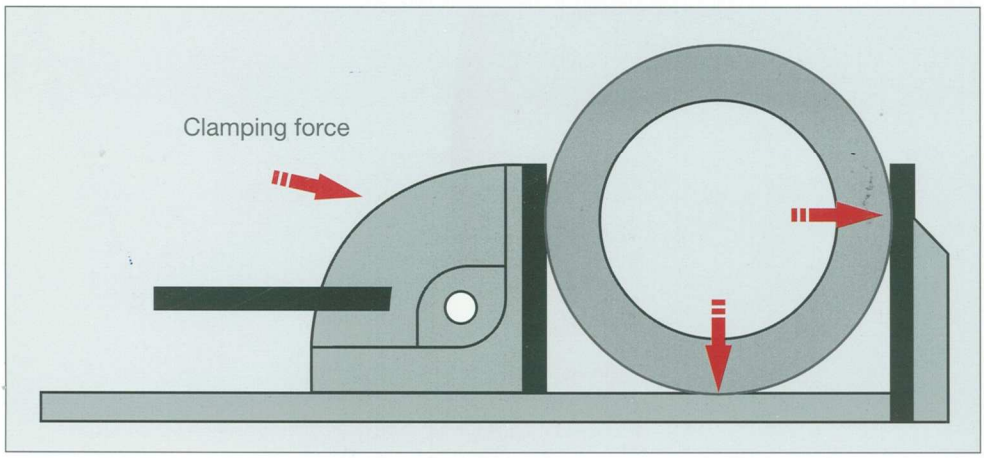
With the tightening system, the material is clamped against both the vertical jaw and the horizontal bearing surface. The tightening system prevents imprecise cuts due to the lifting of clamped, especially round and support materials..

2 Channelled clamping jaws

The whole surface of the clamping jaws is channelled, providing strong material clamping.

3 Clamping jaw guiding

The clamping jaw is laid on hardened and ground guide rails. For maintenance purposes, the guide rails may be easily replaced.



Tightening system *function*

The cylinder clamping pressure is distributed through an integrated mechanism, with a double effect – clamping a material against the fixed clamping jaw as well as the material bearing surface.

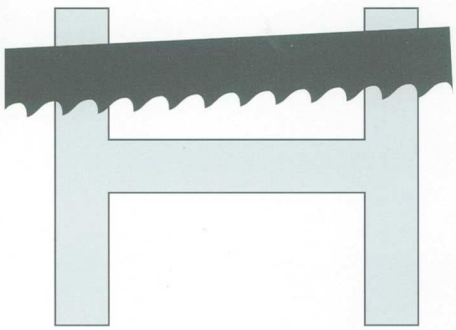
ADFR Highest precision. Fast cutting. Minimal wear.

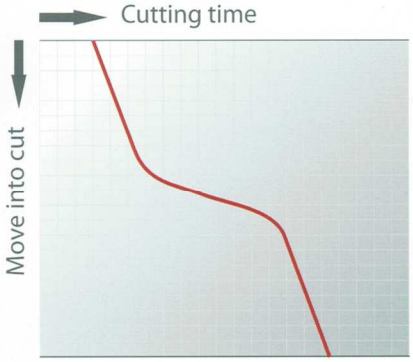
The ADFR system regulates automatically and in real time the coordination of the cutting pressure and downfeeding. The saw band current loading and the cutting course according to the material shape are regulated with a sensor. With materials of bigger cross-sections, the cutting channel is extended and the saw band loading increased. If the downfeeding in this section is not adjusted automatically, the saw band lifetime may profoundly shorten or the cutting time may significantly extend due to smaller downfeeding.

ADFR system

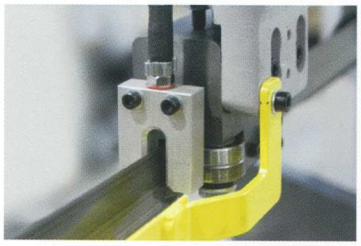
All semiautomatic saws of the Workline series are equipped with the ADFR system.

ADFR *function* in cutting





Elaborated to every detail



Micro-spray system

Ideal for cutting pipes and sections – the MICRONIZER micro-spray unit applies a grease film on the teeth points and the rear side of the band.

Chips removing pistol

The chip removing pistol serves for fast and simple cleaning of the machine from chips and burrs.

Band-tension measuring device

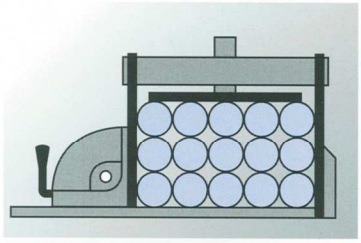
TENZOMAT – a sensitive and precise device for measuring the band tensioning, providing the control of the band tensioning after tool replacement.

LaserLiner

A laser unit copies the exact line in the saw band axis to the material. LaserLine allows precise adjustment of a marked material.

Digital displaying of mitre cuts

The precise display of mitre cuts is shown by an adjusted angle with 0.1° accuracy.

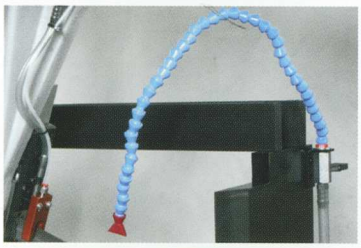


Bundle clamping device

The bundle clamping device provides clamping of layers and bundles with an additional vertical clamping unit.

Band tensioning indicator

The band tensioning indication provides a permanent control of the band tensioning, even during the machine operation.



Third coolant supply

For extra wide materials, a third coolant supply is installed. The coolant supply is flexible and may be adjusted individually to the material shape.

Halogen light

A strong halogen light for comfortable lighting of the whole workspace.

Connection parts

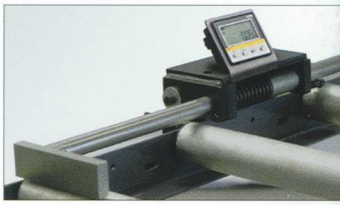
For each Workline saw, a connection part is available, including all connecting places for the T handling system.

Handling System T – Strong partner in handling

With the bearing capacity up to 600 kg and a wide range of accessories and connection parts to BOMAR band saws, the T system is an ideal partner for handling materials in your workshop. Thanks to the default lengths of 2 and 3 m, the roller tracks may be adjusted to any environment.

TRA measuring stop

The stop support is adjusted manually and its position is shown on the digital display with 0.1 mm accuracy. The stop arm may be tilted upwards to enable the material to pass freely.



Overview of *technical data*

Marking	Width	Modules	Rollers	Ø of rollers	Feet	Bearing capacity
T 440	440 mm	2000 mm	6	70 mm	3	600 kg/m
	440 mm	3000 mm	10	70 mm	4	600 kg/m
T 540	540 mm	2000 mm	6	70 mm	3	600 kg/m
	540 mm	3000 mm	10	70 mm	4	600 kg/m
T 640	640 mm	2000 mm	6	70 mm	3	600 kg/m
	640 mm	3000 mm	10	70 mm	4	600 kg/m