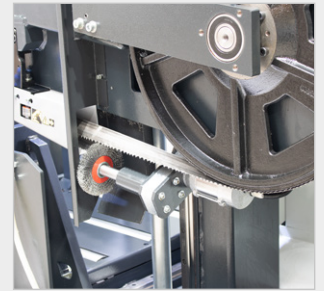




HMBS 440 HA CALIBER / HMBS 540 HA CALIBER – Semi-automatic horizontal metal band saws

- ▶ Mitsubishi FX 5 control unit with simple operation via 4.3" touchscreen
- ▶ With BRP (cutting feed control): if a specified ampere limit is exceeded, the feed movement is stopped while the saw blade continues to run in order to remove chips from the cutting channel. Once the normal load has been reached, the sawing process continues
- ▶ Cutting movement via hydr. cylinder
- ▶ Two-column guided band saw for sawing solid bars and bar profiles.
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Stepless cutting speed from 15 to 150 m/min
- ▶ The saw band is driven by bevel gear, asynchronous motor and frequency converter.
- ▶ Tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice tension via control valve with pressure gauge
- ▶ Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Electrically driven chip clearing brush
- ▶ Emulsion cooling with liquid distribution into the saw blade guides and directly into the cutting channel
- ▶ More powerful motor optionally available



Electrically driven chip clearing brush



Convenient operation on the swivelling control panel



Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band

Semi-automatic



HMBS 440 CNC X CALIBER with optional signal light (item no.: 3646155)

Model		HMBS 440 HA CALIBER	HMBS 540 HA CALIBER
Article no.		3693100	3693200
Technical data			
Speed levels		Stepless	Stepless
Saw band speeds	m/min	15 - 150	15 - 150
Saw band dimensions	mm	5360 x 34 x 1.1	6200 x 41 x 1.3
Cutting angle	°	7	7
Section length min.	mm	10	15
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	30	40
Work table height	mm	800	800
Drive motor power ~50 Hz	kW/V	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	3875 x 1950 x 2190	4300 x 2030 x 2550

Clamping ranges HMBS 440

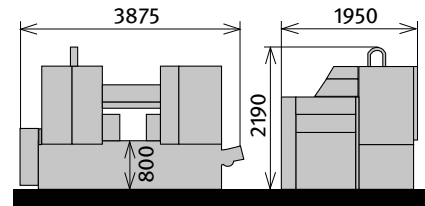
mm	0°	
	440	X
	460 x 400	460 x 400

Clamping ranges HMBS 540

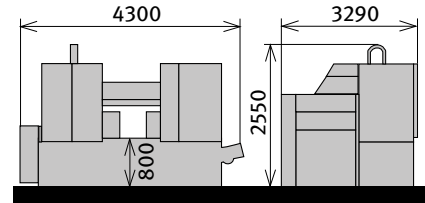
mm	0°	
	550	X
	550 x 500	550 x 460

Equipment

Equipment	
Control	Mitsubishi FX 5 with 4.3" touchscreen
Coolant pump	✓
Saw band tension monitoring	Hydraulic saw band tensioning
Band feed monitoring	BRP
Saw feed	hydraulic
Saw return stroke	hydraulic
Control panel	swivelling
Chip clearing brush	electrically powered
Vice	divided in two in front of and behind the cut / hydraulic pressure adjustment
Workplace lighting	LED



HMBS 440 HA CALIBRE



HMBS 540 HA CALIBRE

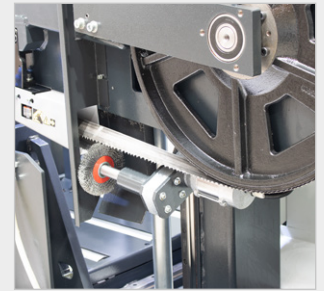
Equipment options

HMBS 440 HA CALIBER (Art. no.: 3693100)	Art. no.		
Protective cover for control panel	3646110	1 m electromechanical for motorised roller conveyor / end piece	3649850
Control panel on separate console	3646111	2 m electromechanical for motorised roller conveyor / end piece	3649851
Surcharge for motor 5.5 kW instead of 4.0 kW	3646115	1 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649855
Jaw of the feed vice with retraction function	3646140	2 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649856
Chip conveyor	3646150	1 m electromechanical for motorised roller conveyor with digital display / end piece	3649860
Chip conveyor extension	3646151	2 m electromechanical for motorised roller conveyor with digital display / end piece	3649861
Signal light to indicate the status of the machine	3646155		
Safety light barrier	3646160		
Safety light barrier behind the saw	3646161		
Bundle tensioning device	3646170		
Micro spray system	3640010		
Cutting line laser	3640011		
Motorised roller conveyor 2000 x 520 mm, static support load max. 2.100 kg/m	3649322		
Motorised roller conveyor extension 2000 x 520 mm, static support load max. 2100 kg/m	3649323		
Chip container with tilting device	3646154		
Roller conveyor 1000 x 520 mm, static support load max. 2100 kg/m	3649320		
Roller conveyor 2000 x 520 mm, static support load max. 2100 kg/m	3649321		
side guide roller	3646180		
movable side guide roller	3646181		
hydraulic lifting roller	3646185		
height-adjustable roller 700 kg/m	3649330		
Additional roller 520 mm	3649311		
Stop carriage for system	Art. no.		
with measurement division	3649890		
with digital measurement display	3649891		
Electromechanical for motorised roller conveyor	3649892		
Electromechanical for motorised roller conveyor / digital display	3649893		
Stop rail for stop	Art. no.		
2 m with measuring division for outfeed roller conveyor / starting piece	3649800		
2 m with measuring division for outfeed roller conveyor / start and end piece	3649801		
2 m with digital measuring display for outfeed roller conveyor / start piece	3649805		
2 m with digital measuring display for outfeed roller conveyor / start and end piece	3649806		
2 m electromechanical for motorised outfeed roller conveyor / starting piece	3649810		
2 m electromechanical for motorised outfeed roller conveyor / start and end piece	3649811		
2 m electromechanical for motorised outfeed roller conveyor with digital display / start piece	3649815		
2 m electromechanical for motorised outfeed roller conveyor with digital display / start and end piece	3649816		
Extension stop rail for stop	Art. no.		
1 m with measuring division / intermediate piece	3649825		
2 m with measuring division / intermediate piece	3649826		
1 m with measuring division / end piece	3649830		
2 m with measuring division / end piece	3649831		
1 m with digital measuring display / intermediate piece	3649835		
2 m with digital measuring display / intermediate piece	3649836		
1 m with digital measuring display / end piece	3649840		
2 m with digital measuring display / end piece	3649841		
1 m electromechanical for motorised roller conveyor / intermediate piece	3649845		
2 m electromechanical for motorised roller conveyor / intermediate piece	3649846		
		1 m electromechanical for motorised roller conveyor / end piece	3649850
		2 m electromechanical for motorised roller conveyor / end piece	3649851
		1 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649855
		2 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649856
		1 m electromechanical for motorised roller conveyor with digital display / end piece	3649860
		2 m electromechanical for motorised roller conveyor with digital display / end piece	3649861



HMBS 440 HA X CALIBRE / HMBS 540 HA X CALIBRE - Semi-automatic horizontal metal band saws

- ▶ Siemens S7-1500 control system with a wide range of functions and operation via a large 7" touch display
- ▶ With ARP (automatic cutting feed control) -> Automatic saw blade feed depending on material resistance. Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes and longer saw blade service life at the same time.
- ▶ Cutting movement via rotating spindle and servo motor
- ▶ Two-column guided band saw for sawing solid bars and bar profiles.
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Stepless cutting speed from 15 to 150 m/min
- ▶ The saw band is driven by bevel gear, asynchronous motor and frequency converter.
- ▶ Tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice tension via control valve with pressure gauge
- ▶ Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Electrically driven chip clearing brush
- ▶ Emulsion cooling with liquid distribution into the saw blade guides and directly into the cutting channel
- ▶ More powerful motor optionally available



Electrically driven chip clearing brush



Convenient operation on the swivelling control panel



Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band

Semi-automatic



HMBS 440 CNC X CALIBRE with optional signal light (item no.: 3646155*)

Model		HMBS 440 HA X CALIBRE	HMBS 540 HA X CALIBRE
Article no.		3693105	3693205
Technical data			
Speed levels		Stepless	Stepless
Saw band speeds	m/min	15 - 150	15 - 150
Saw band dimensions	mm	5360 x 34 x 1.1	6200 x 41 x 1.3
Cutting angle	°	7	7
Section length min.	mm	10	15
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	30	40
Work table height	mm	800	800
Drive motor power ~50 Hz	kW/V	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	3875 x 1950 x 2190	4300 x 2030 x 2550

Clamping ranges HMBS 440

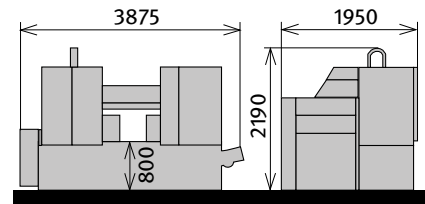
mm	0°	
	440	X
	460 x 400	460 x 400

Clamping ranges HMBS 540

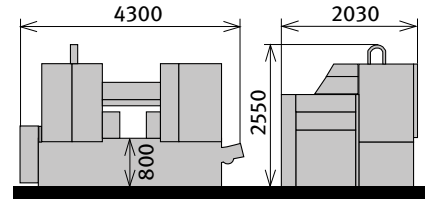
mm	0°	
	550	X
	550 x 500	550 x 460

Equipment

Equipment	
Control	Siemens S 7-1500 with 7" touchscreen
Coolant pump	✓
Saw band tension monitoring	Hydraulic saw band tensioning
Band feed monitoring	ARP
Saw feed	Ball screw and servo motor
Saw return stroke	Ball screw and servo motor
Control panel	swivelling
Chip clearing brush	electrically powered
Vice	divided in two in front of and behind the cut / hydraulic pressure adjustment
Workplace lighting	LED



HMBS 440 HA X CALIBRE



HMBS 540 HA X CALIBRE

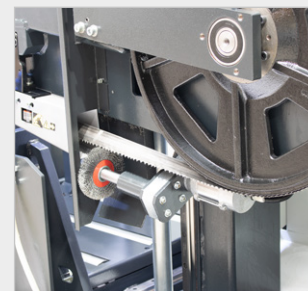
Equipment options

HMBS 440 HA X CALIBRE (Art. no.: 3693105)	Art. no.		
Protective cover for control panel	3646110		
Control panel on separate console	3646111		
Surcharge for motor 5.5 kW instead of 4.0 kW	3646115		
Jaw of the feed vice with retraction function	3646140		
Chip conveyor	3646150		
Chip conveyor extension	3646151		
Signal light to indicate the status of the machine	3646155		
Safety light barrier	3646160		
Safety light barrier behind the saw	3646161		
Bundle tensioning device	3646170		
Micro spray system	3640010		
Cutting line laser	3640011		
Motorised roller conveyor 2000 x 520 mm, static support load max. 2.100 kg/m	3649322		
Motorised roller conveyor extension 2000 x 520 mm, static support load max. 2100 kg/m	3649323		
Chip container with tilting device	3646154		
Roller conveyor 1000 x 520 mm, static support load max. 2100 kg/m	3649320		
Roller conveyor 2000 x 520 mm, static support load max. 2100 kg/m	3649321		
side guide roller	3646180		
movable side guide roller	3646181		
hydraulic lifting roller	3646185		
height-adjustable roller 700 kg/m	3649330		
Additional roller 520 mm	3649311		
Stop carriage for system	Art. no.		
with measurement division	3649890		
with digital measurement display	3649891		
electromechanical for motorised roller conveyor	3649892		
electromechanical for motorised roller conveyor / digital display	3649893		
Stop rail for stop	Art. no.		
2 m with measuring division for outfeed roller conveyor / starting piece	3649800		
2 m with measuring division for outfeed roller conveyor / start and end piece	3649801		
2 m with digital measuring display for outfeed roller conveyor / start piece	3649805		
2 m with digital measuring display for outfeed roller conveyor / start and end piece	3649806		
2 m electromechanical for motorised outfeed roller conveyor / starting piece	3649810		
2 m electromechanical for motorised outfeed roller conveyor / start and end piece	3649811		
2 m electromechanical for motorised outfeed roller conveyor with digital display / start piece	3649815		
2 m electromechanical for motorised outfeed roller conveyor with digital display / start and end piece	3649816		
Extension stop rail for stop	Art. no.		
1 m with measuring division / intermediate piece	3649825		
2 m with measuring division / intermediate piece	3649826		
1 m with measuring division / end piece	3649830		
2 m with measuring division / end piece	3649831		
1 m with digital measuring display / intermediate piece	3649835		
2 m with digital measuring display / intermediate piece	3649836		
1 m with digital measuring display / end piece	3649840		
2 m with digital measuring display / end piece	3649841		
1 m electromechanical for motorised roller conveyor / intermediate piece	3649845		
2 m electromechanical for motorised roller conveyor / intermediate piece	3649846		
1 m electromechanical for motorised roller conveyor / end piece	3649850		
2 m electromechanical for motorised roller conveyor / end piece	3649851		
1 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649855		
2 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649856		
1 m electromechanical for motorised roller conveyor with digital display / end piece	3649860		
2 m electromechanical for motorised roller conveyor with digital display / end piece	3649861		
2 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649856		
1 m electromechanical for motorised roller conveyor with digital display / end piece	3649860		
2 m electromechanical for motorised roller conveyor with digital display / end piece	3649861		
2 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649856		
1 m electromechanical for motorised roller conveyor with digital display / end piece	3649860		
2 m electromechanical for motorised roller conveyor with digital display / end piece	3649861		
2 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649856		
1 m electromechanical for motorised roller conveyor with digital display / end piece	3649860		
2 m electromechanical for motorised roller conveyor with digital display / end piece	3649861		



HMBS 440 CNC CALIBER / HMBS 540 CNC CALIBER – Fully automatic horizontal metal band saws

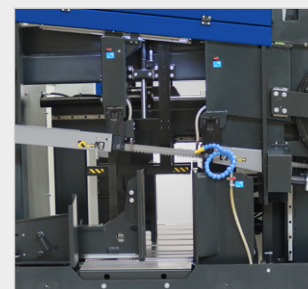
- ▶ Mitsubishi FX 5 control unit with simple operation via 7" touchscreen
- ▶ With BRP (cutting feed control) -> if a set ampere limit is exceeded, the feed movement is stopped while the saw blade continues to run in order to convey chips out of the cutting channel. Once the normal load has been reached, the sawing process continues
- ▶ Cutting movement via hydr. cylinder
- ▶ Two-column guided band saw for sawing solid bars and bar profiles.
- ▶ With 700 mm material feed as standard
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Stepless cutting speed from 15 to 150 m// min
- ▶ The saw band is driven by bevel gear, asynchronous motor and frequency converter.
- ▶ Tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice tension via control valve with pressure gauge
- ▶ Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ electrically driven chip clearing brush
- ▶ Emulsion cooling with liquid distribution into the saw blade guides and directly into the cutting channel
- ▶ With automatic material feed: frequency-controlled feed via recirculating spindle; optical sensor detects when no more material is loaded and pauses the material feed.
- ▶ Standard with chip conveyor and chip container
- ▶ More powerful motor optionally available



Electrically driven chip clearing brush



Convenient operation on the swivelling control panel



Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band

Automatic



HMBS 540 CNC XCALIBER

Model		HMBS 440 CNC CALIBRE	HMBS 540 CNC CALIBRE
Article no.		3693110	3693210
Technical data			
Speed levels		Stepless	Stepless
Saw band speeds	m/min	15 - 150	15 - 150
Saw band dimensions	mm	5360 x 34 x 1.1	6200 x 41 x 1.3
Cutting angle	°	7	7
Material feed speed	m/min	5	5
Material feed max. with 1 x feed	mm	715	750
Material feed max.	mm	9999	9999
Material feed min.	mm	3	3
Section length min.	mm	10	15
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	30	40
Remnant workpiece length automatic min.	mm	200	250
Drive motor power ~50 Hz	kW/V	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	3875 x 1950 x 2190	4300 x 2030 x 2550
Weight approx.	kg	2865	3945

Clamping ranges HMBS 440

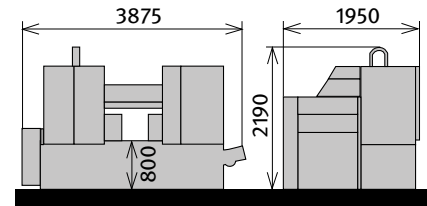
mm	0°	
○	440	X
□	460 x 400	460 x 400

Clamping ranges HMBS 540

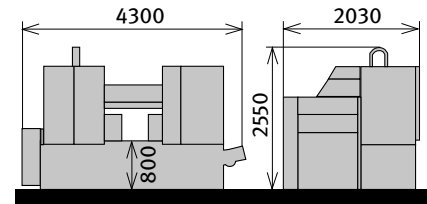
mm	0°	
○	550	X
□	550 x 500	550 x 460

Equipment

Equipment	
Control	Mitsubishi FX 5 with 7" touchscreen
Coolant pump	✓
Saw band tension monitoring	Hydraulic saw band tensioning
Band feed monitoring	BRP
Saw feed	hydraulic
Saw return stroke	hydraulic
Control panel	swivelling
Chip clearing brush	electrically powered
Vice	divided in two in front of and behind the cut / hydraulic pressure adjustment
Workplace lighting	LED
Chip conveyor	✓
Chip container	✓
Infeed roller conveyor	700 mm



HMBS 440 CNC CALIBRE



HMBS 540 CNC CALIBRE

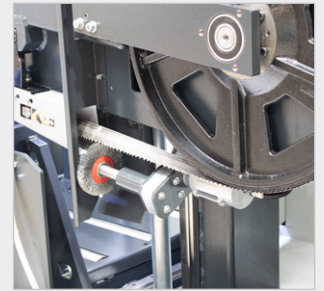
Equipment options

HMBS 440 CNC CALIBER (Art. no.: 3693110)	Art. no.	HMBS 540 CNC CALIBER (Art. no.: 3693210)	Art. no.
Protective cover for control panel	3646110	Protective cover for control panel	3646112
Control panel on separate console	3646111	Control panel on separate console	3646113
Surcharge for motor 5.5 kW instead of 4.0 kW	3646115	Surcharge for motor 7.5 kW instead of 5.5 kW	3646116
Jaw of the feed vice with retraction function	3646140	Jaw of the stationary vice with retraction function	3646141
Chip conveyor extension	3646151	Precise automatic feed of the workpiece	3646146
Signal light to indicate the status of the machine	3646155	Chip conveyor extension	3646153
Safety light barrier	3646160	Signal light to indicate the status of the machine	3646156
Safety light barrier behind the saw	3646161	Safety light barrier	3646162
Bundle tensioning device	3646171	Safety light barrier behind the saw	3646163
Micro spray system	3640010	Bundle tensioning device	3646173
Motorised roller conveyor 2000 x 520 mm, static support load max. 2.100 kg/m	3649322	Micro spray system	3640195
Motorised roller conveyor extension 2000 x 520 mm, static support load max. 2100 kg/m	3649323	Cutting line laser	3640011
Chip container with tilting device	3646154	Hydraulic lifting roller	3649066
Roller conveyor 1000 x 520 mm, static support load max. 2100 kg/m	3649320	Prism clamps for cutting hexagonal tube bundles	3646142
Roller conveyor 2000 x 520 mm, static support load max. 2100 kg/m	3649321	Roller conveyor 2000 x 620 x 6	3649360
side guide roller	3646180	1000 x 620 mm roller conveyor	3649042
movable side guide roller	3646181	2000 x 620 mm roller conveyor	3649043
hydraulic lifting roller	3646185	Side guide roller	3649052
height-adjustable roller 700 kg/m	3649330	movable side guide roller	3649053
Additional roller 520 mm	3649311	Height-adjustable roller	3649054
		Stop carriage for system	Art. no.
		with measurement division	3649890
		with digital measurement display	3649891
		electromechanical for motorised roller conveyor	3649892
		electromechanical for motorised roller conveyor / digital display	3649893
		Extension stop rail for stop	Art. no.
		1 m with measuring division / intermediate piece	3649825
		2 m with measuring division / intermediate piece	3649826
		1 m with measuring division / end piece	3649830
		2 m with measuring division / end piece	3649831
		1 m with digital measuring display / intermediate piece	3649835
		2 m with digital measuring display / intermediate piece	3649836
		1 m with digital measuring display / end piece	3649840
		2 m with digital measuring display / end piece	3649841
		1 m electromechanical for motorised roller conveyor / intermediate piece	3649845
		2 m electromechanical for motorised roller conveyor / intermediate piece	3649846
		1 m electromechanical for motorised roller conveyor / end piece	3649850
		2 m electromechanical for motorised roller conveyor / end piece	3649851
		1 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649855
		2 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649856
		1 m electromechanical for motorised roller conveyor with digital display / end piece	3649860
		2 m electromechanical for motorised roller conveyor with digital display / end piece	3649861



HMBS 440 CNC X CALIBER / HMBS 540 CNC X CALIBER – Fully automatic horizontal metal band saws

- ▶ Siemens S7-1500 control system with a wide range of functions and operation via a large 7" touch display
- ▶ With ARP (Automatic Cutting Feed Control), the saw band is fed automatically depending on the strength of the material. Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes and a longer service life for the saw bands.
- ▶ Cutting movement via rotating spindle and servo motor
- ▶ Two-column guided band saw for sawing solid bars and bar profiles.
- ▶ With 700 mm material feed as standard
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Stepless cutting speed from 15 to 150 m/min
- ▶ Tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ The saw band is driven by bevel gear, asynchronous motor and frequency converter.
- ▶ Pressure adjustment of the hydraulic vice tension via control valve with pressure gauge
- ▶ Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ electrically driven chip clearing brush
- ▶ Emulsion cooling with liquid distribution into the saw blade guides and directly into the cutting channel
- ▶ With automatic material feed: frequency-controlled feed via recirculating spindle; optical sensor detects when no more material is loaded and pauses the material feed.
- ▶ Standard with chip conveyor and chip container
- ▶ More powerful motor optionally available



Electrically driven chip clearing brush



Convenient operation on the swivelling control panel



Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band

Automatic



HMBS 540 CNC X CALIBRE

Model		HMBS 440 CNC X CALIBRE	HMBS 540 CNC X CALIBRE
Article no.		3693115	3693215
Technical data			
Speed levels		Stepless	Stepless
Saw band speeds	m/min	15 - 150	15 - 150
Saw band dimensions	mm	5360 x 34 x 1.1	6200 x 41 x 1.3
Cutting angle	°	7	7
Material feed speed	m/min	5	5
Material feed max. with 1 x feed	mm	715	750
Material feed max.	mm	19999	19999
Material feed min.	mm	3	3
Section length min.	mm	10	15
Material diameter min.	mm	10	10
Remaining workpiece length min.	mm	30	40
Remaining workpiece length automatic min.	mm	200	250
Drive motor power ~50 Hz	kW/V	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	3875 x 1950 x 2190	4300 x 2030 x 2550
Weight approx.	kg	2865	3945

Clamping ranges HMBS 440

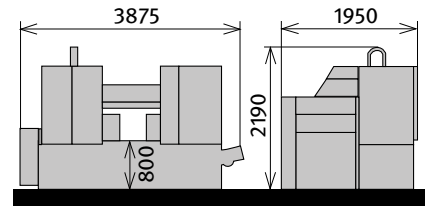
mm	0°	
○	440	X
□	460 x 400	460 x 400

Clamping ranges HMBS 540

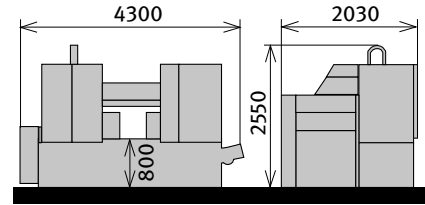
mm	0°	
○	550	X
□	550 x 500	550 x 460

Equipment

Equipment	
Control	Siemens S 7-1500 with 7" touchscreen
Coolant pump	✓
Saw band tension monitoring	Hydraulic saw band tensioning
Band feed monitoring	ARP
Saw feed	Ball screw and servo motor
Saw return stroke	Ball screw and servo motor
Control panel	swivelling
Chip clearing brush	electrically powered
Vice	divided in two in front of and behind the cut / hydraulic pressure adjustment
Workplace lighting	LED
Chip conveyor	✓
Chip container	✓
Infeed roller conveyor	700 mm



HMBS 540 CNC 2000 CALIBRE



HMBS 540 CNC X 2000 CALIBRE

Equipment options

HMBS 440 CNC CALIBER (Art. no.: 3693110)	Art. no.
Protective cover for control panel	3646110
Control panel on separate console	3646111
Surcharge for motor 5.5 kW instead of 4.0 kW	3646115
Jaw of the feed vice with retraction function	3646140
Chip conveyor extension	3646151
Signal light to indicate the status of the machine	3646155
Safety light barrier	3646160
Safety light barrier behind the saw	3646161
Bundle tensioning device	3646171
Micro spray system	3640010
Motorised roller conveyor 2000 x 520 mm, static support load max. 2.100 kg/m	3649322
Motorised roller conveyor extension 2000 x 520 mm, static support load max. 2100 kg/m	3649323
Chip container with tilting device	3646154
Roller conveyor 1000 x 520 mm, static support load max. 2100 kg/m	3649320
Roller conveyor 2000 x 520 mm, static support load max. 2100 kg/m	3649321
side guide roller	3646180
movable side guide roller	3646181
hydraulic lifting roller	3646185
height-adjustable roller 700 kg/m	3649330
Additional roller 520 mm	3649311

HMBS 540 CNC CALIBER (Art. no.: 3693210)	Art. no.
Protective cover for control panel	3646112
Control panel on separate console	3646113
Surcharge for motor 7.5 kW instead of 5.5 kW	3646116
Jaw of the stationary vice with retraction function	3646141
Precise automatic feed of the workpiece	3646146
Chip conveyor extension	3646153
Signal light to indicate the status of the machine	3646156
Safety light barrier	3646162
Safety light barrier behind the saw	3646163
Bundle tensioning device	3646173
Micro spray system	3640195
Cutting line laser	3640011
Hydraulic lifting roller	3649066
Prism clamps for cutting hexagonal tube bundles	3646142
Roller conveyor 2000 x 620 x 6	3649360
1000 x 620 mm roller conveyor	3649042
2000 x 620 mm roller conveyor	3649043
Side guide roller	3649052
movable side guide roller	3649053
Height-adjustable roller	3649054

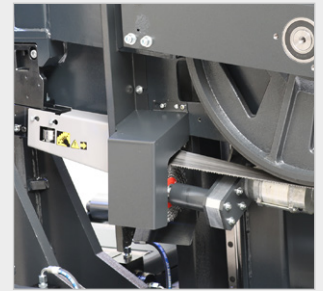
Stop carriage for system	Art. no.
with measurement division	3649890
with digital measurement display	3649891
electromechanical for motorised roller conveyor	3649892
electromechanical for motorised roller conveyor / digital display	3649893

Extension stop rail for stop	Art. no.
1 m with measuring division / intermediate piece	3649825
2 m with measuring division / intermediate piece	3649826
1 m with measuring division / end piece	3649830
2 m with measuring division / end piece	3649831
1 m with digital measuring display / intermediate piece	3649835
2 m with digital measuring display / intermediate piece	3649836
1 m with digital measuring display / end piece	3649840
2 m with digital measuring display / end piece	3649841
1 m electromechanical for motorised roller conveyor / intermediate piece	3649845
2 m electromechanical for motorised roller conveyor / intermediate piece	3649846
1 m electromechanical for motorised roller conveyor / end piece	3649850
2 m electromechanical for motorised roller conveyor / end piece	3649851
1 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649855
2 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649856
1 m electromechanical for motorised roller conveyor with digital display / end piece	3649860
2 m electromechanical for motorised roller conveyor with digital display / end piece	3649861



HMBS 540 CNC 2000 CALIBER / HMBS 540 CNC X 2000 CALIBER – Fully automatic horizontal metal band saws

- ▶ Two-column guided band saw for sawing solid bars and bar profiles.
- ▶ Mitsubishi FX 5 control unit with simple operation via 7" touchscreen
- ▶ With 2000 mm material feed as standard
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Stepless cutting speed from 15 to 150 m/min
- ▶ The saw blade is driven by a bevel gear, asynchronous motor and frequency converter.
- ▶ Tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice tension via control valve with pressure gauge
- ▶ Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Electrically driven chip clearing brush
- ▶ Emulsion cooling with liquid distribution into the saw blade guides and directly into the cutting channel
- ▶ With automatic material feed: frequency-controlled feed via recirculating spindle; optical sensor detects when no more material is loaded and pauses the material feed.
- ▶ With chip conveyor and chip container as standard
- ▶ More powerful motor optionally available



Electrically driven chip clearing brush



Convenient operation on the swivelling control panel



2000 mm long material feed

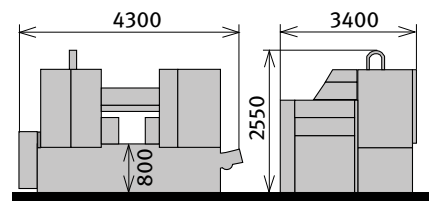
Automatic



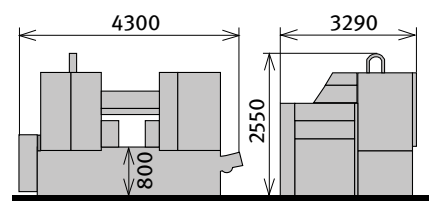
HMBS 540 CNC X 2000 CALIBRE

Model		HMBS 540 CNC 2000 CALIBRE	HMBS 540 CNC X 2000 CALIBRE
Article no.		3693220	3693225

Technical data			
Speed levels		Stepless	Stepless
Saw band speeds	m/min	15 - 150	15 - 150
Saw band dimensions	mm	6200 x 41 x 1.3	6200 x 41 x 1.3
Cutting angle	°	7	7
Material feed speed	m/min	5	6
Material feed max. with 1 x feed	mm	2000	2000
Material feed max.	mm	9999	19999
Material feed min.	mm	3	3
Section length min.	mm	15	15
Material diameter min.	mm	10	10
Remaining workpiece length min.	mm	40	40
Remnant workpiece length automatic min.	mm	200	200
Drive motor power ~50 Hz	kW/V	5.5 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	4300 x 3400 x 2550	4300 x 3290 x 2550
Weight approx.	kg	2865	3945



HMBS 540 CNC 2000 CALIBRE



HMBS 540 CNC X 2000 CALIBRE

Clamping range

mm	0°	
550		X
550 x 500		550 x 460

Equipment

Equipment	HMBS 540 CNC 2000 CALIBRE	HMBS 540 CNC X 2000 CALIBRE
Control	Mitsubishi FX 5 with 7" touchscreen	Siemens S 7-1500 with 7" touchscreen
Coolant pump	✓	✓
Saw band tension monitoring	Hydraulic saw band tensioning	Hydraulic saw band tensioning
Band feed monitoring	BRP	ARP
Saw feed	hydraulic	Rotary spindle with servo motor
Saw return stroke	hydraulic	hydraulic
Control panel	swivelling	swivelling
Chip clearing brush	electrically powered	electrically powered
Vice	divided in two in front of and behind the cut / hydraulic pressure adjustment	divided in two in front of and behind the cut / hydraulic pressure adjustment
Workplace lighting	LED	LED
Chip conveyor	✓	✓
Chip container	✓	✓
Infeed roller conveyor	2000 mm	2000 mm

Equipment options

HMBS 540 CNC 2000 CALIBER (Item No.: 3693220)	Art. no.
HMBS 540 CNC X 2000 CALIBER (Item No.: 3693225)	
Protective cover for control panel	3646112
Control panel on separate console	3646113
Surcharge for motor 7.5 kW instead of 5.5 kW	3646116
Jaw of the stationary vice with retraction function	3646141
Precise automatic feed of the workpiece	3646146
Chip conveyor extension	3646153
Signal light to indicate the status of the machine	3646156
Safety light barrier	3646162
Safety light barrier behind the saw	3646163
Bundle tensioning device	3646173
Micro spray system	3640195
Cutting line laser	3640011
Hydraulic lifting roller	3649066
Prism clamps for cutting hexagonal tube bundles	3646142
Roller conveyor 2000 x 620 mm 6 rollers	3649360
Roller conveyor 1000 x 620 mm	3649042
Roller conveyor 2000 x 620 mm	3649043
Side guide roller	3649052
Movable side guide roller	3649053
Height-adjustable roller	3649054
Interface for remote maintenance	3640241
Cutting process control	3646120
Monitoring saw blade movement	3646121
Annual licence for external machine programming	3640240
Stop carriage for system	Art. no.
with measurement division	3649890
with digital measurement display	3649891
electromechanical for motorised roller conveyor	3649892
electromechanical for motorised roller conveyor / digital display	3649893

Extension stop rail for stop	Art. no.
1 m with measuring division / intermediate piece	3649825
2 m with measuring division / intermediate piece	3649826
1 m with measuring division / end piece	3649830
2 m with measuring division / end piece	3649831
1 m with digital measuring display / intermediate piece	3649835
2 m with digital measuring display / intermediate piece	3649836
1 m with digital measuring display / end piece	3649840
2 m with digital measuring display / end piece	3649841
1 m electromechanical for motorised roller conveyor / intermediate piece	3649845
2 m electromechanical for motorised roller conveyor / intermediate piece	3649846
1 m electromechanical for motorised roller conveyor / end piece	3649850
2 m electromechanical for motorised roller conveyor / end piece	3649851
1 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649855
2 m electromechanical for motorised roller conveyor with digital display / intermediate piece	3649856
1 m electromechanical for motorised roller conveyor with digital display / end piece	3649860
2 m electromechanical for motorised roller conveyor with digital display / end piece	3649861
HMBS 540 CNC x 2000 CALIBER (Art. no.: 3693225)	Art. no.
Signal light to indicate the status of the machine	3646156
Surcharge for motor 7.5 kW instead of 5.5 kW	3640240
Annual licence for external machine programming	3646122
Monitoring saw blade movement	3646123



HMBS 440 HA DG HORIZONT / HMBS 540 HA DG HORIZONT – Semi-automatic horizontal saws for mitre cuts from +60° to -60°

- ▶ Mitsubishi FX 5 control unit with simple operation via 4.3" touchscreen
- ▶ With BRP (cutting feed control): if a specified ampere limit is exceeded, the feed movement is stopped while the saw blade continues to run in order to remove chips from the cutting channel. Once the normal load has been reached, the sawing process continues
- ▶ Cutting movement via hydraulic cylinder
- ▶ Two-column horizontal saw for sawing solid bar stock and bar profiles
- ▶ Automatic positioning after entering the desired angle
- ▶ Hydraulic clamping of the turntable enables precise angular cutting
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Stepless cutting speed from 15 to 150 m// min
- ▶ The saw band is driven by bevel gear, asynchronous motor and frequency converter.
- ▶ For straight cuts, tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice tension via control valve with pressure gauge
- ▶ Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Chip clearing brush driven via belt roller
- ▶ Emulsion cooling with liquid distribution into the saw blade guides and directly into the cutting channel
- ▶ More powerful motors optionally available



Turntable with lateral material support rollers

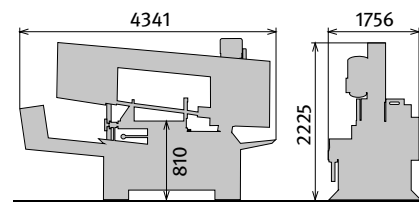
Semi-automatic



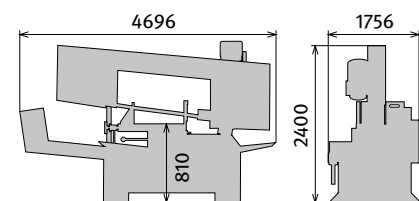
Clamping range

mm	60°	45°	0°	45°	60°	
	290	430	440	430	290	x
	150	200	300	200	150	x
	290 x 385	430 x 385	610 x 385	430 x 385	290 x 385	610 x 350

Model		HMBS 440 HA DG HORIZON	HMBS 540 HA DG HORIZON
Article no.		3692100	3692200
Technical data			
Speed levels		Stepless	Stepless
Saw band speeds	m/min	15 - 150	15 - 150
Saw band dimensions	mm	6060 x 34 x 1.1	6880 x 41 x 1.3
Cutting angle	°	7	7
Section length min.	mm	25	25
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	25	30
Work table height	mm	810	810
Drive motor power ~50 Hz	kW/V	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	4341 x 1756 x 2225	4696 x 1756 x 2400
Weight approx.	kg	2865	3945



HMBS 440 HA DG HORIZONTAL



HMBS 540 HA DG HORIZONTAL

Equipment

Equipment	
Control	Mitsubishi FX 5 with 7" touchscreen
Coolant pump	✓
Saw band tension monitoring	Hydraulic saw band tensioning
Band feed monitoring	BRP
Saw feed	hydraulic
Saw return stroke	hydraulic
Control panel	swivelling
Chip clearing brush	electrically powered
Vice	divided in two in front of and behind the cut / hydraulic pressure adjustment
Workplace lighting	LED

Equipment options

HMBS 440 HA DG HORIZONT (Item no.: 3692100)	Art. no.		
Control panel on separate console	3646011	Hydraulic lifting roller	3649496
Surcharge for motor 5.5 kW instead of 4.0 kW	3646015	Support plate for mounting in place of the support rollers to the left of the saw blade - not suitable for angle cuts	3646042
Motor-driven chip brush	3646025	Support plate for mounting in place of the support rollers to the right of the saw blade - not suitable for angle cuts	3646043
Automatic lubrication of the turntable	3646030	Roller conveyor 2000x800-6 rollers	3649360
Cutting channel wear plate	3646035	Connecting roller conveyor for angle cuts 1000 mm, left-hand side mounting	3649492
Chip conveyor incl. chip container	3646050	Connecting roller conveyor for angle cuts 1000 mm, right-hand side mounting	3649493
Extension for chip conveyor (only in conjunction with 3646052)	3646051	Side guide roller with bracket for mounting on 3649492 and 3649493	3649495
Signal light to indicate the status of the machine	3646055	Roller conveyor 1000 x 800 mm, static support load max. 2700 kg/m	3649500
Safety light barrier in front of the saw	3646060	Roller conveyor 2000 x 800 mm, static support load max. 2700 kg/m	3649501
Safety light barrier behind the saw	3646061	Side guide roller	3640286
Bundle clamping device to the left of the saw blade – cannot be used for angle cuts in automatic mode	3646070	Movable side guide roller	3640287
Bundle clamping device to the right of the saw blade – can only be used for angle cuts to the left	3646071	Roller stand, height-adjustable, width 620 mm, load capacity 700 kg	3640288
Micro spray system	3640010	Additional role	3640289
Cutting line laser	3640011	HMBS 440 HA DG HORIZONT (Item no.: 3692100)	Art. no.
hydraulic lifting roller	3649066	HMBS 540 HA DG HORIZONT (Item no.: 3692200)	Art. no.
Support plate for mounting in place of the support rollers to the left of the saw blade - not suitable for angle cuts	3646040	Trolley	
Support plate for mounting in place of the support rollers to the right of the saw blade - not suitable for angle cuts	3646041	with measurement division	3649890
Roller conveyor 2000 x 620 mm – 6 rollers	3649355	with digital measurement display	3649891
Roller conveyor 1000 x 620 mm	3649042	electromechanical for motorised roller conveyor	3649892
Roller conveyor 2000 x 620 mm	3649043	electromechanical for motorised roller conveyor / digital display	3649893
Connecting roller conveyor for angle cuts 1000 mm, left-hand side mounting	3649490	2m for stop with measurement scale:	
Connecting roller conveyor for angle cuts 1000 mm, right-hand side mounting	3649491	for discharge roller conveyor / initial section	3649800
Side guide roller	3649052	for discharge roller conveyor / start and end piece	3649801
Side Movable guide roller	3649053	2m for stop with digital measuring display:	
Additional roller for roller conveyor 620 mm	3640289	for discharge roller conveyor / initial section	3649805
HMBS 540 HA DG HORIZONT (Art. no.: 3692200)	Art. no.	for discharge roller conveyor / start and end piece	3649806
Control panel on separate console	3646013	2m for electromechanical stop:	
Motor-driven chip brush	3646026	for motor Outfeed roller conveyor / start piece	3649810
Automatic lubrication of the turntable	3646031	for motor Outfeed roller conveyor / start and end piece	3649811
Cutting channel wear plate	3646036	2m for electromechanical stop for motor. Outfeed roller conveyor:	
Chip conveyor incl. chip container	3646052	with digital display / starter piece	3649815
Extension for chip conveyor (only in conjunction with 3646051)	3646053	with digital display / start and end piece	3649816
Safety light barrier in front of the saw	3646062	Extension stop rail for stop:	
Safety light barrier behind the saw	3646063	1 m with measuring division / intermediate piece	3649825
Bundle clamping device to the left of the saw blade – cannot be used for angle cuts in automatic mode	3646073	2 m with measuring division / intermediate piece	3649826
Bundle clamping device to the right of the saw blade – can only be used for angle cuts to the left	3646074	1 m with measuring division / end piece	3649830
Additional vice behind the cut	3646082	2 m with measuring division / end piece	3649831
Additional vice behind the cut with bundle clamping device	3646083	1 m with digital measuring display / intermediate piece	3649835
Micro spray system	3640195	2 m with digital measuring display / intermediate piece	3649836
Cutting line laser	3640011	1 m with digital measuring display / end piece	3649840
Roller conveyor 2000 x 800 mm motorised, static support load max. 2700 kg/m	3649502	2 m with digital measuring display / end piece	3649841
Extension 2000 x 800 mm motorised, static support load max. 2700 kg/m	3659503	1 m electromechanical for motor. Roller conveyor / Intermediate piece	3649845
		2 m electromechanical for motor. Roller conveyor / Intermediate piece	3649846
		1 m electromechanical for motor. Roller conveyor / End piece	3649850
		2 m electromechanical for motor. Roller conveyor / End piece	3649851
		1 m electromechanical for motor. Roller conveyor with digital display / intermediate piece	3649855
		2 m electromechanical for motor. Roller conveyor with digital display / intermediate piece	3649856
		1 m electromechanical for motor. Roller conveyor with digital display / end piece	3649860
		2 m electromechanical for motor. Roller conveyor with digital display / end piece	3649861



HMBS 440 HA X DG HORIZONTAL / HMBS 540 HA X DG HORIZONTAL

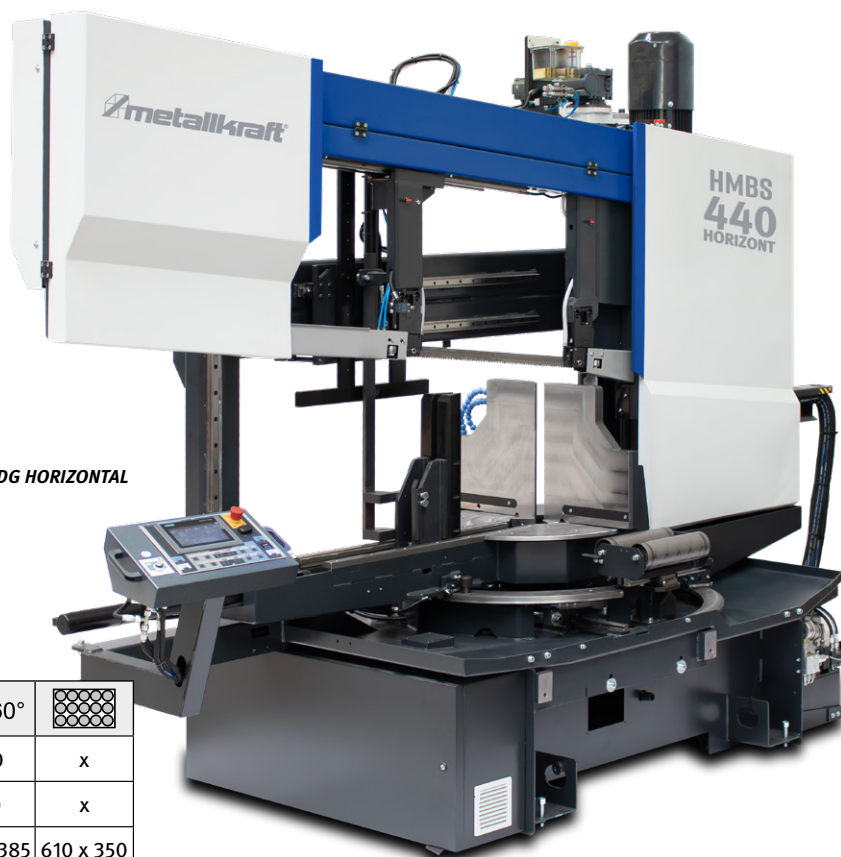
Semi-automatic horizontal saws for mitre cuts from +60° to -60°

- ▶ Siemens S7-1500 control system with a wide range of functions and operation via a large 7" touch display
- ▶ With ARP (Automatic Cutting Feed Control), the saw band is fed automatically depending on the strength of the material. Feed speed is constantly adapted to the current cutting load. ARP enables shorter work processes
- ▶ Cutting movement via recirculating spindle with servo motor
- ▶ Two-column horizontal saw for sawing solid bar stock and bar profiles
- ▶ Automatic positioning after entering the desired angle
- ▶ Hydraulic clamping of the turntable enables precise angular cutting
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Infinitely variable cutting speed from 15-150 m/min
- ▶ The saw band is driven by bevel gear, asynchronous motor and frequency converter.
- ▶ For straight cuts, tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice tension via control valve with pressure gauge
- ▶ Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Chip clearing brush driven via belt roller
- ▶ Emulsion cooling with liquid distribution into the saw blade guides and directly into the cutting channel
- ▶ More powerful motors optionally available



Turntable with lateral material support rollers

Semi-automatic

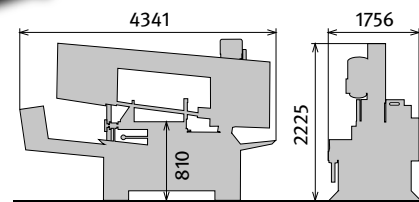


HMBS 440 HA X DG HORIZONTAL

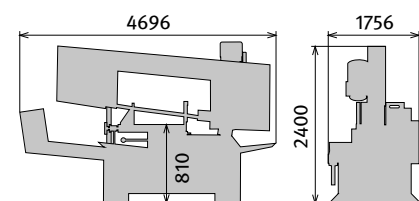
Clamping range

mm	60°	45°	0°	45°	60°	
	290	430	440	430	290	x
	150	200	300	200	150	x
	290 x 385	430 x 385	610 x 385	430 x 385	290 x 385	610 x 350

Model		HMBS 440 HA X DG HORIZONTAL	HMBS 540 HA X DG HORIZONTAL
Article no.		3692105	3692205
Technical data			
Speed levels		Stepless	Stepless
Saw band speeds	m/min	15 - 150	15 - 150
Saw band dimensions	mm	6060 x 41 x 1.3	6880 x 41 x 1.3
Cutting angle	°	7	7
Section length min.	mm	25	25
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	25	30
Work table height	mm	810	810
Drive motor power ~50 Hz	kW/V	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	4.341 x 1.756 x 2.225	4.696 x 1.756 x 2.400
Weight approx.	kg	2865	3945



HMBS 440 HA DG HORIZONTAL



HMBS 540 HA DG HORIZONTAL

Equipment

Equipment	
Control	Siemens S 7-1500 with 7" touchscreen
Coolant pump	✓
Saw band tension monitoring	Hydraulic saw band tensioning
Band feed monitoring	ARP
Saw feed	Rotary spindle with servo motor
Saw return stroke	hydraulic
Control panel	swivelling
Chip clearing brush	electrically powered
Vice	divided in two in front of and behind the cut / hydraulic pressure adjustment
Workplace lighting	LED

Equipment options

HMBS 440 HA X DG HORIZONT (Item no.: 3692105)	Art. no.	HMBS 440 X HA DG HORIZONT (Item no.: 3692105) HMBS 540 X HA DG HORIZONT (Item no.: 3692205)	Art. no.
Interface for remote maintenance	3640241	Trolley	
Protective cover for control panel	3646010	for system with measuring scale	3649890
Control panel on separate console	3646011	for systems with digital display	3649891
Surcharge for motor 5.5 kW instead of 4.0 kW	3646015	for electromechanical system for motor. Roller conveyor	3649892
Cutting process control	3646020	for electromechanical system for motor. Roller conveyor / digital display	3649893
Monitoring saw blade movement	3646021	Stop rail 2m for stop	
Motor-driven chip brush	3646025	with gauge division for discharge roller conveyor / initial section	3649800
Automatic lubrication of the turntable	3646030	with gauge division for discharge roller conveyor / start and end piece	3649801
Cutting channel wear plate	3646035	with digital display for discharge roller conveyor / initial section	3649805
Chip conveyor incl. chip container	3646050	with digital display for discharge roller conveyor / start and end piece	3649806
Extension for chip conveyor (only in conjunction with 3646052)	3646051	electromechanical for motor. Abfuhrrollenbahn / Anfangsstück	3649810
Signal light to indicate the status of the machine	3646055	electromechanical for motor. Abfuhrrollenbahn / Anfangs- und Endstück	3649811
Safety light barrier in front of the saw	3646060	electromechanical for motor. Outfeed roller conveyor with digital display / initial section	3649815
Safety light barrier behind the saw	3646061	electromechanical for motor. Outfeed roller conveyor with digital display / start and end piece	3649816
Bundle clamping device to the left of the saw blade – cannot be used for angle cuts in automatic mode	3646070	Extension stop rail	
Bundle clamping device to the right of the saw blade – can only be used for angle cuts to the left	3646071	1m for stop with measuring scale / spacer	3649825
Micro spray system	3640010	2m for stop with measuring scale / spacer	3649826
HMBS 540 HA X DG HORIZONT (Item no.: 3692205)	Art. no.	1m for stop with measuring scale / end piece	3649830
Interface for remote maintenance	3640241	2m for stop with measuring scale / end piece	3649831
Protective cover for control panel	3646012	1m for stop with digital measuring display / spacer	3649835
Control panel on separate console	3646013	2m for stop with digital measuring display / spacer	3649836
Surcharge for motor 7.5 kW instead of 5.5 kW	3646016	1m for stop with digital measuring display / end piece	3649840
Cutting process control	3646022	2m for stop with digital measuring display / end piece	3649841
Monitoring saw blade movement	3646023	1m für Anschlag elektromechanisch für motor. Rollenbahn / Zwischenstück	3649845
motor-driven chip brush	3646026	2m für Anschlag elektromechanisch für motor. Rollenbahn / Zwischenstück	3649846
Automatic lubrication of the turntable	3646031	1m für Anschlag elektromechanisch für motor. Roller conveyor / End piece	3649850
Cutting channel wear plate	3646036	2m für Anschlag elektromechanisch für motor. Roller conveyor / End piece	3649851
Chip conveyor incl. chip container	3646052	1m für Anschlag elektromechanisch für motor. Roller conveyor with digital display / intermediate piece	3649855
Extension for chip conveyor (only in conjunction with 3646051)	3646053	2m für Anschlag elektromechanisch für motor. Roller conveyor with digital display / intermediate piece	3649856
Safety light barrier in front of the saw	3646062	1m für Anschlag elektromechanisch für motor. Roller conveyor with digital display / end piece	3649860
Safety light barrier behind the saw	3646063	2m für Anschlag elektromechanisch für motor. Roller conveyor with digital display / end piece	3649861
Bundle clamping device to the left of the saw blade – cannot be used for angle cuts in automatic mode	3646073		
Bundle clamping device to the right of the saw blade – can only be used for angle cuts to the left	3646074		
Additional vice behind the cut	3646082		
Additional vice behind the cut with bundle clamping device	3646083		
Micro spray system	3640195		
Cutting line laser	3640011		
Roller conveyor 2000 x 800 mm motorised, static support load max. 2700 kg/m	3649502		
Extension 2000 x 800 mm motorised, static support load max. 2700 kg/m	3659503		
Hydraulic lifting roller	3649496		
Roller conveyor 1000 x 800 mm, Static support load max. 2700 kg/m	3649500		
Roller conveyor 2,000 x 800 mm, Static support load max. 2,700 kg/m	3649501		
Side guide roller	3640286		
Movable side guide roller	3640287		
Roller stand, height-adjustable, width 620 mm, load capacity 700 kg	3640288		
Additional role	3640289		



HMBS 440 CNC DG 2000 HORIZONT / HMBS 540 CNC DG 2000 HORIZONT – Fully automatic horizontal saws for mitre cuts from +60° to -60°

- ▶ Mitsubishi FX 5 control unit with simple operation via 7" touchscreen
- ▶ With BRP (cutting feed control) -> if a set ampere limit is exceeded, the feed movement is stopped while the saw blade continues to run in order to convey chips out of the cutting channel. Once the normal load has been reached, the sawing process continues
- ▶ Cutting movement is performed by hydraulic cylinders
- ▶ Two-column horizontal saw for sawing solid bar stock and bar profiles
- ▶ Standard with 2000 mm material transporter -> frequency-controlled feed via recirculating spindle
- ▶ Automatic positioning after entering the desired angle
- ▶ Hydraulic clamping of the turntable enables precise angular cutting
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Stepless cutting speed from 15 to 150 m// min
- ▶ The saw band is driven by bevel gear, asynchronous motor and frequency converter.
- ▶ For straight cuts, tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice tension via control valve with pressure gauge
- ▶ Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Chip clearing brush driven via belt roller
- ▶ Emulsion cooling with liquid distribution into the saw blade guides and directly into the cutting channel
- ▶ Safety light barrier from LEUZE in front of the machine and the material transporter
- ▶ More powerful motors optionally available

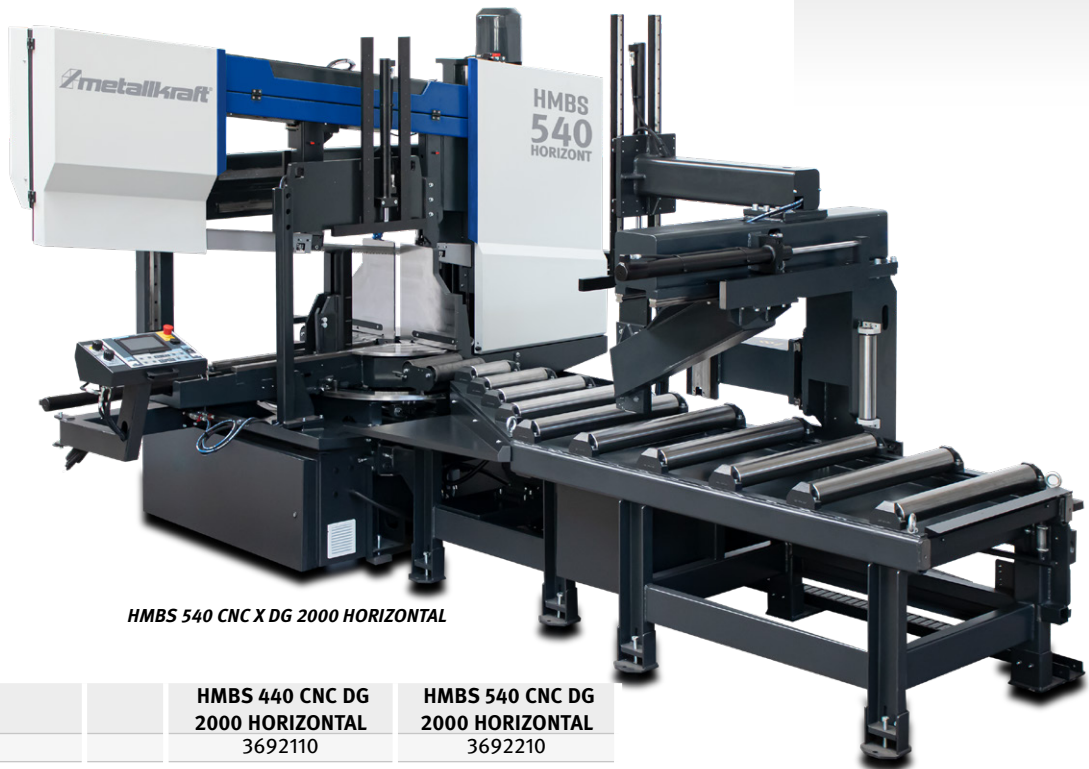


2000 mm roller conveyor and material transport



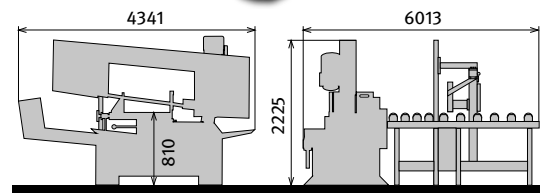
Turntable with lateral material support rollers

Automatic

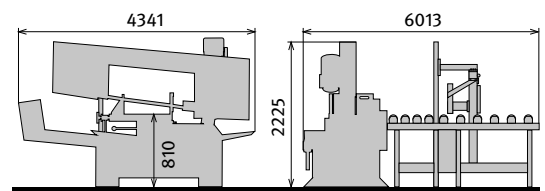


HMBS 540 CNC X DG 2000 HORIZONTAL

Model		HMBS 440 CNC DG 2000 HORIZONTAL	HMBS 540 CNC DG 2000 HORIZONTAL
Article no.		3692110	3692210
Technical data			
Speed levels		Stepless	Stepless
Saw band speeds	m/min	15 - 150	15 - 150
Saw band dimensions	mm	6060 x 34 x 1.1	6880 x 41 x 1.3
Cutting angle	°	7	7
Material feed max. with 1 x feed	mm	2000	2000
Material feed max.	mm	9999	9999
Material feed min.	mm	3	3
Section length min.	mm	25	25
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	25	30
Minimum remaining workpiece length	mm	498	498
Automatic			
Work table height	mm	810	810
Drive motor power ~50 Hz	kW/V	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	4387 x 6013 x 2225	4.696 x 6.013 x 2.400
Weight approx.	kg	3750	3902



HMBS 440 CNC DG 2000 HORIZONTAL












HMBS 540 CNC DG 2000 HORIZONTAL

Equipment

Equipment	
Control	Mitsubishi FX 5 with 7" touchscreen
Coolant pump	✓
Saw band tension monitoring	Hydraulic saw band tensioning
Band feed monitoring	BRP
Saw feed	hydraulic
Saw return stroke	hydraulic
Control panel	swivelling
Chip clearing brush	electrically powered
Vice	divided in two in front of and behind the cut / hydraulic pressure adjustment
Workplace lighting	LED

Clamping range

mm	 60°	 45°	 0°	 45°	 60°	
	290	430	440	430	290	x
	150	200	300	200	150	x
	290 x 385	430 x 385	610 x 385	430 x 385	290 x 385	610 x 350

Equipment options

HMBS 440 CNC DG 2000 HORIZONT (Art. Nr.: 3692110)	Art. no.	HMBS 540 CNC DG 2000 HORIZONT (Art. no.: 3692210)	Art. no.
Protective cover for control panel	3646010	Protective cover for control panel	3646012
Control panel on separate console	3646011	Control panel on separate console	3646013
Surcharge for motor 5.5 kW instead of 4.0 kW	3646015	Motor-driven chip brush	3646026
Motor-driven chip brush	3646025	Automatic lubrication of the turntable	3646031
Automatic lubrication of the turntable	3646030	Cutting channel wear plate	3646036
Cutting channel wear plate	3646035	Precise automatic feed of the workpiece	3646046
Precise automatic feed of the workpiece	3646045	Chip conveyor including chip container	3646052
Chip conveyor including chip container	3646050	Extension for chip conveyor (only in conjunction with 3646052)	3646053
Extension for chip conveyor (only in conjunction with 3646050)	3646051	Signal light to indicate the status of the machine	3646056
Signal light to indicate the status of the machine	3646055	Safety light barrier behind the saw	3646063
Safety light barrier behind the saw	3646061	Bundle clamping device to the left of the saw blade – cannot be used for angle cuts in automatic mode	3646073
Bundle clamping device to the left of the saw blade – cannot be used for angle cuts in automatic mode	3646070	Bundle clamping device to the right of the saw blade – can only be used for angle cuts to the left	3646074
Bundle clamping device to the right of the saw blade – can only be used for angle cuts to the left	3646071	Bundle clamping device on the feed	3646075
Bundle clamping device on the feed	3646072	Additional vice behind the cut	3646082
Micro spray system	3640010	Additional vice behind the cut with bundle clamping device	3646083
Cutting line laser	3640011	Micro spray system	3640195
Support plate for mounting in place of the support rollers to the left of the saw blade - not suitable for angle cuts	3646040	Cutting line laser	3640011
Support plate for mounting in place of the support rollers to the right of the saw blade - not suitable for angle cuts	3646041	Hydraulic lifting roller	3649496
Roller conveyor 1000 x 620 mm	3649042	Support plate for mounting in place of the support rollers to the left of the saw blade - not suitable for angle cuts	3646042
Roller conveyor 2000 x 620 mm	3649043	Support plate for mounting in place of the support rollers to the right of the saw blade - not suitable for angle cuts	3646043
Connecting roller conveyor for angle cuts 1000 mm, left-hand side mounting	3649490	Roller conveyor 2000 800 mm – -6 rollers	3649360
Side guide roller	3649052	Connecting roller conveyor for angle cuts 1,000 mm, left-hand side mounting	3649492
Movable side guide roller	3649053	Side guide roller with bracket for mounting on 3649492	3649495
Additional roller for roller conveyor 620 mm	3640289	Roller conveyor 1000 x 800 mm, static support load max. 2700 kg/m	3649500
		Roller conveyor 2000 x 800 mm, static support load max. 2700 kg/m	3649501
		Side guide roller	3640286
		Movable side guide roller	3640287
		Roller stand, height-adjustable, width 620 mm, load capacity 700 kg	3640288
		Additional role	3640289

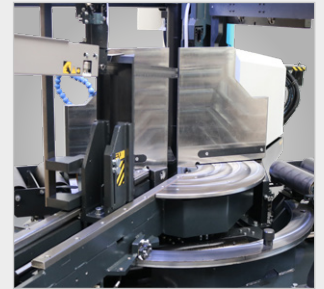


HMBS 440 CNC DG 2000 HORIZONT / HMBS 540 CNC DG 2000 HORIZONT – Fully automatic horizontal saws for mitre cuts from +60° to -60°

- ▶ Siemens S7-1500 control system with a wide range of functions and operation via a large 7" touch display
- ▶ With ARP (Automatic Cutting Feed Control), the saw band is fed automatically depending on the strength of the material. Feed speed is constantly adjusted to
- ▶ Cutting movement via rotating spindle and servo motor
- ▶ Two-column horizontal saw for sawing solid bar stock and bar profiles
- ▶ Standard with 2000 mm material transporter ->frequency-controlled feed via recirculating spindle
- ▶ Automatic positioning after entering the desired angle
- ▶ Hydraulic clamping of the turntable enables precise angular cutting
- ▶ Robust machine body and the smallest possible distances between the saw blade, machine guide and workpiece minimise vibrations for maximum sawing performance
- ▶ Stepless cutting speed from 15 to 150 m/min
- ▶ The saw band is driven by bevel gear, asynchronous motor and frequency converter.
- ▶ For straight cuts, tensioning of the material in front of and behind the cut using a two-part clamping vice
- ▶ Pressure adjustment of the hydraulic vice tension via control valve with pressure gauge
- ▶ Saw band inclination of 7° and hydraulic saw band tensioning increase the service life of the saw band
- ▶ Front belt guide moves automatically parallel to the moving vice jaw
- ▶ Chip clearing brush driven via belt roller
- ▶ Emulsion cooling with liquid distribution into the saw blade guides and directly into the cutting channel
- ▶ Safety light barrier from LEUZE in front of the machine and the material transporter
- ▶ More powerful motors optionally available



2000 mm roller conveyor and material transporter



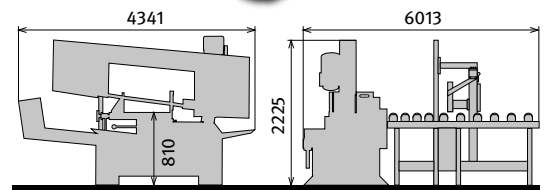
Turntable with lateral material support rollers

Automatic

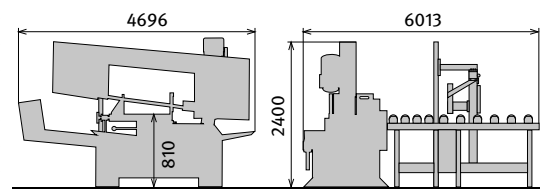


II HMBS 540 CNC X DG 2000 HORIZONT

Model		HMBS 440 CNC X DG 2000 HORIZONT	HMBS 540 CNC X DG 2000 HORIZONT
Article no.		3692115	3692215
Technical data			
Speed levels		Stepless	Stepless
Saw band speeds	m/min	15 - 150	15 - 150
Saw band dimensions	mm	6060 x 41 x 1.3	6880 x 41 x 1.3
Cutting angle	°	7	7
Material feed max. with 1 x feed	mm	2000	2000
Material feed max.	mm	9999	9999
Material feed min.	mm	3	3
Section length min.	mm	25	25
Material diameter min.	mm	10	10
Remnant workpiece length min.	mm	25	30
Minimum remaining workpiece length	mm	498	498
Automatic			
Work table height	mm	810	810
Drive motor power ~50 Hz	kW/V	4 / 400	5.5 / 400
Dimensions (L x W x H) approx.	mm	4.387 x 6.013 x 2.225	4.696 x 6.013 x 2.400
Weight approx.	kg	3750	3875



HMBS 440 CNC X DG 2000 HORIZONTAL












HMBS 540 CNC X DG 2000 HORIZONTAL

Equipment

Equipment	
Control	Siemens S 7-1500 with 7" touchscreen
Coolant pump	✓
Saw band tension monitoring	Hydraulic saw band tensioning
Band feed monitoring	ARP
Saw feed	Rotary spindle with servo motor
Saw return stroke	hydraulic
Control panel	swivelling
Chip clearing brush	electrically powered
Vice	divided in two in front of and behind the cut / hydraulic pressure adjustment
Workplace lighting	LED

Clamping range

mm	 60°	 45°	 0°	 45°	 60°	
	290	430	440	430	290	x
	150	200	300	200	150	x
	290 x 385	430 x 385	610 x 385	430 x 385	290 x 385	610 x 350

Equipment options

HMBS 440 HA X DG HORIZONT (Item no.: 3692115)	Art. no.
Interface for remote maintenance	3640241
Protective cover for control panel	3646010
Control panel on separate console	3646011
Surcharge for motor 5.5 kW instead of 4.0 kW	3646015
Cutting process control	3646020
Monitoring saw blade movement	3646021
Motor-driven chip brush	3646025
Automatic lubrication of the turntable	3646030
Cutting channel wear plate	3646035
Precise automatic feed of the workpiece	3646045
Chip conveyor including chip container	3646050
Extension for chip conveyor (only in conjunction with 3646052)	3646051
Signal light to indicate the status of the machine	3646055
Safety light barrier in front of the saw	3646060
Safety light barrier behind the saw	3646061
Bundle clamping device to the left of the saw blade – cannot be used for angle cuts in automatic mode	3646070
Bundle clamping device to the right of the saw blade – can only be used for angle cuts to the left	3646071
Bundle clamping device on the feed	3646072
Micro spray system	3640010
Cutting line laser	3640011
Hydraulic lifting roller	3649066
Annual licence for external machine programming	3640240
Support plate for mounting in place of the support rollers to the left of the saw blade - not suitable for angle cuts	3646040
Interface for remote maintenance	3640241
1000 x 620 mm roller conveyor	3649042
2000 x 620 mm roller conveyor	3649043
Connecting roller conveyor for angle cuts 1000 mm, left-hand side mounting	3649490
Side guide roller	3649052
Side Movable guide roller	3649053
Additional roller for roller conveyor 620 mm	3640289

HMBS 540 X HA DG HORIZONT (Item no.: 3692215)	Art. no.
Interface for remote maintenance	3640241
Protective cover for control panel	3646012
Control panel on separate console	3646013
Surcharge for motor 7.5 kW instead of 5.5 kW	3646016
Cutting process control	3646022
Monitoring saw blade movement	3646023
Motor-driven chip brush	3646026
Automatic lubrication of the turntable	3646031
Cutting channel wear plate	3646036
Precise automatic feed of the workpiece	3646046
Chip conveyor including chip container	3646052
Extension for chip conveyor (only in conjunction with 3646052)	3646053
Signal light to indicate the status of the machine	3646056
Safety light barrier behind the saw	3646063
Bundle clamping device to the left of the saw blade – cannot be used for angle cuts in automatic mode	3646073
Bundle clamping device to the right of the saw blade – can only be used for angle cuts to the left	3646074
Bundle clamping device on the feed	3646075
Additional vice behind the cut	3646082
Additional vice behind the cut with bundle clamping device	3646083
Micro spray system	3640195
Cutting line laser	3640011
Roller conveyor 2000 x 800 mm motorised, static support load max. 2700 kg/m	3649502
Extension 2000 x 800 mm motorised, static support load max. 2700 kg/m	3659503
Roller conveyor 1000 x 800 mm, Static support load max. 2700 kg/m	3649500
Roller conveyor 2000 x 800 mm, Static support load max. 2700 kg/m	3649501
Roller conveyor 2000 x 800 mm – 6 rollers	3649360
Hydraulic lifting roller	3649496
Annual licence for external machine programming	3640240
Support plate for mounting in place of the support rollers to the left of the saw blade - not suitable for angle cuts	3646042
Support plate for mounting in place of the support rollers to the right of the saw blade - not suitable for angle cuts	3646043
Connecting roller conveyor for angle cuts 1,000 mm, left-hand side mounting	3649492
Side guide roller with bracket for mounting on 3649492	3649495
Side guide roller	3640286
Movable side guide roller	3640287
Roller stand, height-adjustable, width 620 mm, load capacity 700 kg	3640288
Additional role	3640289