

Vertical metal band saws

VMBS – Vertical metal band saws with a robust and proven design with strip welding unit, E models with electric table feed

- ▶ Extremely robust construction, entire machine body made of steel
- ▶ User-friendly operating concept
- ▶ With workplace lighting
- ▶ Tiltable work table made of grey cast iron
- ▶ Speed continuously adjustable
- ▶ Web tension and web speed display
- ▶ Blow-out device for sawdust
- ▶ Integrated strip welding unit with annealing, cutting and sanding device
- ▶ With rip fence

manual



VMBS 1408



VMBS 1610

➔ With 2-speed gearbox



VMBS 1610 E

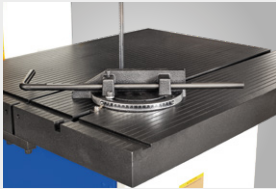
➔ With 2-speed gearbox
➔ With electric table feed

Model	VMBS 1408	VMBS 1610	VMBS 1610E
Art. no.	3951407	3951610	3951611
Technical data			
Outreach	356 mm	396 mm	396 mm
Cutting height max.	205 mm	255 mm	255 mm
Table size	500 x 500 mm	550 x 600 mm	550 x 600 mm
Working height	990 mm	1000 mm	1000 mm
Table swivelling range left/right	12°/15°	12°/15°	5°/5°
Table swivelling range front/rear	8°/8°	8°/8°	-
Saw band length	2880 mm	3140 mm	3140 mm
Maximum saw blade width	13 mm	16 mm	16 mm
Saw blade speed (1st gear)	20 - 80 m/min	20 - 80 m/min	20 - 80 m/min
Saw blade speed (2nd gear)	-	250 - 1000 m/min	250 - 1000 m/min
Band saw welding machine performance	13 mm	16 mm	16 mm
Impeller Ø	368 mm	408 mm	408 mm
Table travel	-	-	300 mm
Max. table load	150 kg	150 kg	150 kg
Motor power ~50 Hz	0.75 kW / 400 V	1.5 kW / 400 V	1.5 kW / 400 V
Dimensions (L x W x H) approx.	850 x 600 x 1740 mm	940 x 675 x 1840 mm	940 x 675 x 1840 mm
Weight approx.	275 kg	410 kg	435 kg

Band saw blades Art. no.

VMBS 1408 (Bi-Metal M 42)	
2880x13x0.65 mm 6-10 Vario	3651210
2880x13x0.65 mm 8-12 Vario	3651212
2880x13x0.65 mm 10-14 Vario	3651214

VMBS 1610 / VMBS 1610 E (Bi-Metal M 42)	
3140 x 13 x 0.65 mm 6-10 Vario	3651310
3140 x 13 x 0.65 mm 8-12 Vario	3651312
3140 x 13 x 0.65 mm 10-14 Vario	3651314



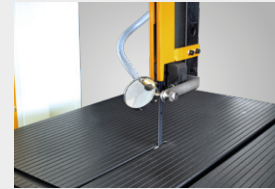
Mitre fence for angle cuts



Manual material feed



Circular cutting facility



Magnifying glass



Workplace lighting



Height adjustment of the saw blade guide by handwheel



VMBS 2013 I

➔ With 2-speed gearbox



VMBS 2013 I E

➔ With 2-speed gearbox
➔ With electric table feed



User-friendly operating concept



All models with integrated belt welding unit

Model	VMBS 2013 I	VMBS 2013 I E
Art. no.	3952013	3952014
Technical data		
Outreach	508 mm	508 mm
Cutting height max.	330 mm	330 mm
Table size	600 x 700 mm	600 x 700 mm
Working height	990 mm	990 mm
Table swivelling range left/right	12° / 12°	12° / 12°
Saw band length	4035 mm	4035 mm
Maximum saw blade width	13 – 27 mm	13 – 27 mm
Saw blade thickness	0.65 – 0.9 mm	0.65 – 0.9 mm
Saw blade speed (1st gear)	15 – 120 m/min	15 – 120 m/min
Saw blade speed (2nd gear)	190 – 1500 m/min	190 – 1500 m/min
Band saw welding machine performance	19 mm	19 mm
Impeller Ø	515 mm	515 mm
Table travel	-	300 mm
Max. table load	350 kg	350 kg
Motor power ~50 Hz	2.2 kW / 400 V	2.2 kW / 400 V
Dimensions (L x W x H) approx.	1.090 x 780 x 2.030 mm	1.090 x 780 x 2.030 mm
Weight approx.	570 kg	605 kg

Saw blades for metal band saws	Art. no.
VMBS 2013 I E/ VMBS 2013 I E (Bi-Metal M 42)	
4030 x 13 x 0.65 mm 6-10 Vario	3651710
4030 x 13 x 0.65 mm 8-12 Vario	3651712
4030 x 13x 0.65 mm 10-14 Vario	3651714
4030 x 20 x 0.9 mm 6-10 Vario	3651720
4030 x 20 x 0.9 mm 8-12 Vario	3651722
4030 x 20 x 0.9 mm 10-14 Vario	3651724
4030 x 27 x 0.9 mm 6-10 Vario	3651730
4030 x 27 x 0.9 mm 8-12 Vario	3651732
4030 x 27 x 0.9 mm 10-14 Vario	3651734

Vertical metal band saws

VMBS – Vertical metal band saws Solid and proven design with tiltable work table and band welding unit

- ▶ Extremely robust construction, entire machine body made of steel
- ▶ User-friendly operating concept
- ▶ Speed continuously adjustable via inverter – greater ease of use and no need to replace wear parts such as V-belts
- ▶ Combined micro-spray and blow-off device for blowing away chips and lubricating the saw blade
- ▶ Tiltable work table made of grey cast iron
- ▶ Workplace lighting as standard
- ▶ Equipped with engine brake
- ▶ Web tension and web speed display
- ▶ Integrated strip welding unit with annealing, cutting and sanding device
- ▶ Height adjustment of the saw blade guide by handwheel
- ▶ VMBS I E models with electric table feed

manual



VMBS 2614 I

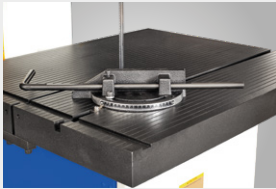


VMBS 2614 I E

Model	VMBS 2614 I	VMBS 2614 I E
Art. no.	3952614	3952615
Technical data		
Outreach	658 mm	658 mm
Cutting height max.	360 mm	360 mm
Table size	600 x 700 mm	600 x 700 mm
Working height	990 mm	990 mm
Table swivelling range left/right	12° / 12°	12° / 12°
Saw band length	4710 mm	4710 mm
Maximum saw blade width	13 – 27 mm	13 – 27 mm
Saw blade thickness	0.65 – 0.9 mm	0.65 – 0.9 mm
Saw blade speed (1st gear)	15 – 120 m/min	15 – 120 m/min
Saw blade speed (2nd gear)	190 – 1500 m/min	190 – 1500 m/min
Band saw welding machine performance	19 mm	19 mm
Impeller Ø	665 mm	665 mm
Table travel	-	300 mm
Max. table load	350 kg	350 kg
Motor power ~50 Hz	2.2 kW / 400 V	2.2 kW / 400 V
Dimensions (L x W x H) approx.	1.340 x 810 x 2.190 mm	1.340 x 810 x 2.190 mm
Weight approx.	645 kg	680 kg

Saw blades for metal band saws Art. no.

VMBS 2614 I / VMBS 2614 I E (Bi-Metall M 42)	Art. no.
4680 x 13 x 0.65 mm 6-10 Vario	3651810
4680 x 13 x 0.65 mm 8-12 Vario	3651812
4680 x 13 x 0.65 mm 10-14 Vario	3651814
4680 x 20 x 0.9 mm 6-10 Vario	3651820
4680 x 20 x 0.9 mm 8-12 Vario	3651822
4680 x 20 x 0.9 mm 10-14 Vario	3651824
4680 x 27 x 0.9 mm 6-10 Vario	3651830
4680 x 27 x 0.9 mm 8-12 Vario	3651832
4680 x 27 x 0.9 mm 10-14 Vario	3651834



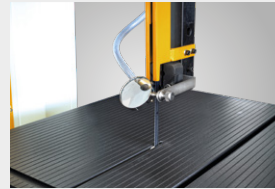
Mitre fence for angle cuts



Manual material feed



Circular cutting device



Magnifying glass



Workplace lighting



VMBS 3613 I



VMBS 3613 I E

Model	VMBS 3613 I	VMBS 3613 I E
Art. no.	3953613	3953614
Technical data		
Outreach	915 mm	915 mm
Cutting height max.	330 mm	330 mm
Table size	600 x 700 mm	600 x 700 mm
Working height	990 mm	990 mm
Table swivelling range left/right	12° / 12°	12° / 12°
Saw band length	5030 mm	5030 mm
Maximum saw blade width	13 – 27 mm	13 – 27 mm
Saw blade thickness	0.65 – 0.9 mm	0.65 – 0.9 mm
Saw blade speed (1st gear)	15 – 120 m/min	15 – 120 m/min
Saw blade speed (2nd gear)	190 – 1500 m/min	190 – 1500 m/min
Band saw welding machine performance	19 mm	19 mm
Impeller Ø	515 mm	515 mm
Wheel diameter additional wheel at the top	368 mm	368 mm
Table travel	-	300 mm
Max. table load	350 kg	350 kg
Motor power ~50 Hz	2.2 kW / 400 V	2.2 kW / 400 V
Dimensions (L x W x H) approx.	1.760 x 810 x 2.060 mm	1.760 x 810 x 2.060 mm
Weight approx.	780 kg	815 kg

Saw blades for metal band saws	Art. no.
VMBS 3613 I / VMBS 3613 I E (Bi-metal M 42)	
5020 x 13 x 0.65 mm 6-10 Vario	3651910
5020 x 13 x 0.65 mm 8-12 Vario	3651912
5020 x 13 x 0.65 mm 10-14 Vario	3651914
5020 x 20 x 0.9 mm 6-10 Vario	3651920
5020 x 20 x 0.9 mm 8-12 Vario	3651922
5020 x 20 x 0.9 mm 10-14 Vario	3651924
5020 x 27 x 0.9 mm 6-10 Vario	3651930
5020 x 27 x 0.9 mm 8-12 Vario	3651932
5020 x 27 x 0.9 mm 10-14 Vario	3651934

BAND SAW BLADES



Material dimensions (mm)		M42-SPRINT	M42-SPRINT-PLUS	M42-X-FIT	M51-X-PRO	M51-BLIZZARD
Structural steels	< 70	■				
tool steels	80 - 350		■	■	■	■
Free-cutting steels	>350		■			
unleg. Tool steels	< 70	■				
Spring steels	80 - 350		■		■	
Roller bearing steels	>350		■			
High-speed steels	< 70	■				
Cold work steels	80 - 350		■		■	
	>350		■			■
Nitriding steels	< 70	■				
Heat-treatable steels	80 - 350		■		■	
Hot-work steels	>350		■			■
Stainless steels	< 70	■				
	80 - 350		■		■	
	>350		■			■
heat-resistant steels	< 70					■
heat-resistant steels	80 - 350					■
	>350					■

Material dimensions (mm)		M42-SPRINT	M42-SPRINT-PLUS	M42-X-FIT	M51-X-PRO	M51-BLIZZARD
high-strength steels	< 70					
Titanium + titanium alloys	80 - 350					■
Nickel-based alloys	>350					■
Cast steel	< 70	■				
Cast iron	80 - 350		■			
	>350		■			
Aluminium	< 70	■				
Copper	80 - 350		■			
	>350		■			
Brass	< 70	■				
Bronze	80 - 350		■			
Red brass	>350		■			
aluminium bronzes	< 70					■
Aluminium alloys with high silicon content	80 - 350					■
	>350					■

Degree of suitability ■ = very good □ = good