

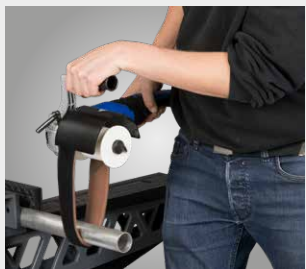


Metal grinding

Satin finishing machine



Satin finishing of flat material



Satin finishing of round steel with Velcro non-woven also for e.g. installed stainless steel railings



Easy fixing of the grinding sleeve by pumping up the rubber air roller

SM 100 – Satin finishing machine for grinding, polishing, satin finishing, structuring, and for cleaning soiled surfaces, or removing paint residues

- ▶ For processing stainless steel, cast iron, aluminium, non-ferrous metals, plastics, etc.
- ▶ Highly resilient motor with soft start and overload protection
- ▶ With constant electronics for constant speed, even under load
- ▶ Adapts perfectly to the workpiece by continuously variable speed adjustment
- ▶ Speed can be set conveniently via thumbwheel on rubberised handle
- ▶ Very robust gear housing
- ▶ Tire-free work thanks to ergonomic two-handed operation
- ▶ With hook and loop fastener for reworking of assembled stainless steel railings



Model	SM 100
Art. no.	3990100

Technical specifications	
Max. tool diameter	100 mm
Tool width min./max.	30 / 100 mm
Shaft seating	Ø 19 mm x 100 mm
Idle speed	1 000-2 400 rpm
Output	1 200 W
Electrical connection	230 V / 50 Hz
Weight approx.	4.8 kg

Scope of delivery:

- › Grinding sleeve K 180 (100 x 292 mm)
- › Drive roll for sanding belts
- › Velcro non-woven (40 x 60 mm)
- › Velcro sanding belt 120 grain (40 x 600 mm)
- › Velcro drive belt (30 x 700 mm)
- › Non-woven roller fine (105 x 100 x 19 mm)
- › Spacer ring set 10-part (40 x 19 x 5 mm)
- › Plastic case
- › Pneumatic rubber roller
- › Air pump for pneumatic rubber roller
- › Grinding sleeve non-woven coarse (Ø 90 x 100 mm)
- › Grinding sleeve 60 grain (100 x 292 mm)
- › Grinding sleeve 100 grain (100 x 292 mm)



SM 100 with mounted fine non-woven roller

Accessories

	Accessories	Dimensions in mm	Grit size	Art. no.	PQ
1	Non-woven roller	105 x 100 x 19.1	Coarse	3726700	5
	Non-woven roller	105 x 100 x 19.1	Medium	3726701	5
	Non-woven roller	105 x 100 x 19.1	Fine	3726702	5
	Non-woven roller	105 x 100 x 19.1	Very fine	3726703	5
	Woven/Non-woven combination	104 x 100 x 19.1	40 grain	3726710	5
	Woven/Non-woven combination	104 x 100 x 19.1	60 grain	3726711	5
	Woven/Non-woven combination	104 x 100 x 19.1	80 grain	3726712	5
	Woven/Non-woven combination	104 x 100 x 19.1	100 grain	3726713	5
	Woven/Non-woven combination	104 x 100 x 19.1	120 grain	3726714	5
	Woven/Non-woven combination	104 x 100 x 19.1	150 grain	3726715	5
	Brush sander	100 x 100 x 19.1	40 grain	3726720	5
	Brush sander	100 x 100 x 19.1	60 grain	3726721	5
	Brush sander	100 x 100 x 19.1	80 grain	3726722	5
	Brush sander	100 x 100 x 19.1	120 grain	3726723	5
	Brush sander	100 x 100 x 19.1	240 grain	3726724	5
2	Inflatable				
3	Expansion roller	90 x 90		3726809	1
	Expansion roller	90 x 90 x 19.1		3726735	1
	Air pump			3726810	1
	Zircon grinding sleeve	90 x 100	180 grain	3726740	10
	Zircon grinding sleeve	90 x 100	220 grain	3726741	10
4	Zircon grinding sleeve	90 x 100	40 grain	3726845	10
	Zircon grinding sleeve	90 x 100	60 grain	3726846	10
	Zircon grinding sleeve	90 x 100	80 grain	3726847	10
	Zircon grinding sleeve	90 x 100	120 grain	3726848	10
5	Non-woven sleeve, coarse	90 x 100	80 grain	3726750	10
	Non-woven sleeve, medium	90 x 100	120 grain	3726751	10
	Non-woven sleeve, ultra-fine	90 x 100	240 grain	3726752	10
	Trizact sleeve	90 x 100	A16	3726760	10
	Trizact sleeve	90 x 100	A30	3726761	10
	Trizact sleeve	90 x 100	A45	3726762	10
	Trizact sleeve	90 x 100	A65	3726763	10
	Trizact sleeve	90 x 100	A100	3726764	10
	Trizact band	618 x 40	A16	3726855	10
	Trizact band	618 x 40	A30	3726856	10
	Trizact band	618 x 40	A45	3726857	10
	Trizact band	618 x 40	A65	3726858	10
	Trizact band	618 x 40	A100	3726859	10

	Accessories	Dimensions in mm	Grit size	Art. no.	PQ
	Grit-permeated Nylon coarse non-woven	100 x 100 x 19.1		3726770	1
	Steel strand brush Ø 0.3 mm	100 x 100 x 19.1		3726776	1
	VA wire brush Ø 0.2 mm	100 x 100 x 19.1		3726777	1
	Plastic brush (grain)	100 x 100 x 19.1	80 grain	3726778	1
	Plastic brush (grain)	100 x 100 x 19.1	46 grain	3726779	1
	Polishing disc normal	100 x 19.1		3726780	7
	Polishing disc, gloss	100 x 19.1		3726781	10
	Granular rubber wheel	104 x 100 x 19.1	16 grain	3726785	1
	Granular rubber wheel	104 x 100 x 19.1	46 grain	3726786	1
	Granular rubber wheel	104 x 100 x 19.1	120 grain	3726787	1
6	Roller for sanding belts	65 x 100 x 19.1		3726791	1
	Woven fabric sanding belt (open)	600 x 40	60 grain	3726795	10
	Woven fabric sanding belt (open)	600 x 40	80 grain	3726796	10
	Woven fabric sanding belt (open)	600 x 40	120 grain	3726797	10
	Sanding belt for surface machining (open)	600 x 40	Coarse	3726803	10
	Sanding belt for surface machining (open)	600 x 40	Medium	3726804	10
	Sanding belt for surface machining (open)	600 x 40	Fine	3726805	10
	Felt sanding belt (open)	600 x 40		3726806	10
7	Velcro closure for open bands	500 x 30		3726807	1
	Abrasive roller KIT			3726808	1
8	Non-woven band	618 x 40	80	3726850	10
	Non-woven band	618 x 40	120	3726851	10
	Non-woven band	618 x 40	240	3726852	10
	Zircon corundum band	618 x 40	40	3726860	10
	Zircon corundum band	618 x 40	60	3726861	10
	Zircon corundum band	618 x 40	80	3726862	10
	Zircon corundum band	618 x 40	120	3726863	10

Pipe sanding machine

RSM 620 – Pipe grinding machine with pivoting grinding arm

- ▶ With continuously variable setting of the belt speed for optimum adjustment for various applications
- ▶ Pivoting grinding arm for optimum adjustment to the required grinding position
- ▶ Tire-free work thanks to ergonomic two-handed operation
- ▶ Handle can be screwed in at various positions for optimised handling
- ▶ Weld grinding on flat surfaces without tilting or ripple thanks to large contact roller
- ▶ Ideal for grinding of stainless steel welds without blue discolouration due to heat dissipation via the sanding belt
- ▶ Highly resilient motor with soft start and overload protection
- ▶ With constant electronics for constant belt speed, even under load
- ▶ Easy sanding belt replacement without tools
- ▶ Speed can be set conveniently via thumbwheel on the handle



Abrasive for RSM 620 - bands shown included in the scope of delivery



Handle can be screwed in at three different positions



Flat material grinding



Satin finishing of vertical round material



Satin finishing of horizontal round material



Pivoting grinding arm for optimum adjustment to the required grinding position

Model	RSM 620
Art. no.	3990620
Technical specifications	
Belt length	620 mm
Belt width	40 mm
Pipe Ø min.	15 mm
Belt speed	15 - 28 m/sec.
Idle speed	2 300/6 500 rpm
Services	1 500 W
Electrical connection	230 V / 50 Hz
Weight approx.	5.3 kg

Scope of delivery:

- › Handle
- › Sanding belt 60 grain (40 x 620 mm)
- › Sanding belt 100 grain (40 x 620 mm)
- › Sanding belt 180 grain (40 x 620 mm)
- › Grinding pad coarse (40 x 620 mm)

Accessories	Dimensions	Grit size	Art. no.	PQ
Trizact band	618 x 40 mm	A16	3726855	10
Trizact band	618 x 40 mm	A30	3726856	10
Trizact band	618 x 40 mm	A45	3726857	10
Trizact band	618 x 40 mm	A65	3726858	10
Trizact band	618 x 40 mm	A100	3726859	10
Non-woven band	618 x 40 mm	80	3726850	10
Non-woven band	618 x 40 mm	120	3726851	10
Non-woven band	618 x 40 mm	240	3726852	10
Zircon corundum band	618 x 40 mm	40	3726860	10
Zircon corundum band	618 x 40 mm	60	3726861	10
Zircon corundum band	618 x 40 mm	80	3726862	10
Zircon corundum band	618 x 40 mm	120	3726863	10

RSM 760 – Pipe grinding device for handy and flexible use for grinding, polishing and satin finishing work

- ▶ Pipe grinding device for handy and flexible use for metalworking, steel construction work and railing construction
- ▶ Designed for grinding and polishing pipe constructions
- ▶ Specially suited for grinding, satin finishing and high-gloss polishing of installed railings
- ▶ Ideal for working in cramped conditions, as the handle rotates through 180°
- ▶ Highly resilient motor with soft start and overload protection
- ▶ With constant electronics for constant belt speed, even under load
- ▶ With continuously variable setting of the belt speed for optimum adjustment for various applications
- ▶ Speed can be set conveniently via thumbwheel on the handle
- ▶ Easy sanding belt replacement without tools
- ▶ 360° circumferential grinding in just two steps
- ▶ Premium 270° grinding arm made of lightweight metal with 2 deflection rollers
- ▶ Handle can be screwed in at various positions for optimised handling



Fig. shows complete scope of delivery of RSM 760



Handle for ergonomic work can be screwed in at various positions



Perfect for grinding and polishing pipe constructions



Only two work steps necessary for 360° circumference grinding



Especially suitable for processing installed railings

Model	RSM 760
Art. no.	3990760
Technical specifications	
Max. belt length	760 mm
Belt width	40 mm/20 mm
Pipe Ø min.	15 mm
Belt speed	3 - 12 m/sec.
Idle speed	1 600/3 200 rpm
Services	1 200 W
Electrical connection	230 V / 50 Hz
Weight approx.	3.4 kg

Scope of delivery:

- › Plastic case
- › Grinding pad coarse (40 x 760 mm)
- › 5 pieces sanding belt 120 grain (40 x 760 mm)
- › 5 pieces sanding belt 220 grain (40 x 760 mm)

Accessories	Dimensions	Grit size	Art. no.	PQ
Non-woven band	760 x 40 mm	80	3726865	10
Non-woven band	760 x 40 mm	120	3726866	10
Non-woven band	760 x 40 mm	240	3726867	10
Non-woven band	760 x 40 mm	400	3726868	10
Trizact band	760 x 40 mm	A16	3726870	10
Trizact band	760 x 40 mm	A30	3726871	10
Trizact band	760 x 40 mm	A45	3726872	10
Trizact band	760 x 40 mm	A65	3726873	10
Trizact band	760 x 40 mm	A100	3726874	10
Zircon corundum band	760 x 40 mm	40	3726880	10
Zircon corundum band	760 x 40 mm	60	3726881	10
Zircon corundum band	760 x 40 mm	80	3726882	10
Zircon corundum band	760 x 40 mm	120	3726883	10
Zircon corundum band	760 x 40 mm	220	3726884	10

Brush deburring grinder/belt and disc grinders

BEG – Universal brush deburring device



- ▶ With shaft-mounted round brush as standard (250 x 40 x 24 mm with 0.5 mm Ø wire) for processing steel
- ▶ Adjustable prism workpiece support
- ▶ Large sight protection glass for protection against sparks and flying swarf
- ▶ S version including extraction unit with separate motor and filter bar



BEG 250

Emergency off switch foot-operable



BEG 250 S



Large sight protection glass



Adjustable prism workpiece support

Filter bag in scope of delivery (BEG 250 S)

Model	BEG 250	BEG 250 S
Art. no.	3730250	3730251
Technical specifications		
Brush dimensions	Ø 250 x 40 mm	Ø 250 x 40 mm
Brush bore hole	Ø 24 mm	Ø 24 mm
Brush speed	3 000 rpm	3 000 rpm
Motor output	2.2 kW	2.2 kW
Electrical connection	400 V / 50 Hz	400 V / 50 Hz
Extraction performance	-	8.5 m³/min
Dimensions (L x W x H)	420 x 500 x 1 120 mm	440 x 600 x 1120 mm
Weight	50 kg	60 kg

Accessories	Art. no.
Round brush 250 x 30mm	3730260
Wire Ø 0.2 mm for steel	
Round brush 250 x 30mm	3730261
Wire Ø 0.3 mm for steel	
Round brush 250 x 30mm	3730264
Wire Ø 0.2 mm for stainless steel	
Round brush 250 x 30mm	3730265
Wire Ø 0.3 mm for stainless steel	
Replacement filter bag (for BEG 250 S only)	3722150

BTS 51 – Combined belt and disc grinding machine with swivelling grinding arm

- ▶ Pneumatic sanding belt tension manually adjustable
- ▶ Fine adjustment for parallel belt run
- ▶ 2 sanding tables, swivelling via clamping lever
- ▶ With sanding belt (80 grain) and sanding disc (80 grain) as standard
- ▶ Powerful motor
- ▶ With extraction port on spark trap as standard
- ▶ Sanding belt changed within seconds thanks to simple operation
- ▶ Can easily be fixed on the workbench



Model	BTS 51
Art. no.	3700051

Technical specifications	
Sanding belt dimensions	50 x 1 000 mm
Sanding disc Ø	150 mm
Belt speed	22 m/sec.
Drive wheel Ø	152 mm
Contact wheel Ø	75 mm
Dimensions graphite support	160 x 60 x 1.5 mm
Motor output	750 W
Electrical connection	230 V / 50 Hz
Dimensions in mm	375 x 230 x 620
Weight	20 kg

Accessories	Art. no.	PQ
Graphite support BTS 51	3721001	10
Sanding belt 1 000 x 50 mm 40 grain	3721004	10
Sanding belt 1 000 x 50 mm 60 grain	3721006	10
Sanding belt 1 000 x 50 mm 80 grain	3721008	10
Sanding belt 1 000 x 50 mm 100 grain	3721010	10
Velcro support Ø 150 mm	5911001	10
Sanding disc Velcro Ø 150 mm 60 grain	5911506	10
Sanding disc Velcro Ø 150 mm 80 grain	5911508	10
Sanding disc Velcro Ø 150 mm 100 grain	5911510	10
Sanding disc Velcro Ø 150 mm 120 grain	5911512	10
Sanding disc Velcro Ø 150 mm 150 grain	5911515	10
Sanding disc Velcro Ø 150 mm 180 grain	5911518	10

AS 1400 – Extractor set suitable for MBSM 100-130 and MBSM 100-130-2

AS 1601 – Extractor set suitable for MBSM 75-200-2 and MBSM 150-200-2

- ▶ Fast and easy filter replacement
- ▶ Large catchment container with fast access via drawer
- ▶ Compact and stable housing
- ▶ High-capacity interior
- ▶ Effective extraction

- AS 1601**
- ▶ Including dust bag



AS 1400



Scope of supply AS 1400:

- › 4x hose clamp Ø70 - 90 mm
- › 1x extraction hose Ø 75 mm/ 1 m
- › 1x extraction hose Ø 75 mm/ 2 m

Scope of supply AS 1601:

- › 1x Dust bag
- › 4x hose clamps 100 - 120 mm
- › 1x extraction hose Ø 100 mm/ 1 m
- › 1x extraction hose Ø 100 mm/ 2 m



AS 1601

Model	AS 1400	AS 1601
Art. no.	3922011	3922006
Technical specifications		
Motor output	0.55 kW	0.75 kW
Electrical connection	230 V / 50 Hz	400 V / 50 Hz
Extraction duct	2 x Ø 75 mm	2 x Ø 100 mm
Suction performance without dust bag/hoses	840 m³/h	1,100 m³/h
Dimensions without dust bag	920 x 590 x 850 mm	560 x 840 x 1 180 mm
Weight	58 kg	36 kg

Accessories AS 1400	Art. no.
1 m extraction hose Ø 75 mm	3922012
2 m extraction hose Ø 75 mm	3922013
Replacement filter	3922014

Accessories AS 1601	Art. no.
1 m extraction hose Ø 100 mm	3922003
2 m extraction hose Ø 100 mm	3922004
Dust collection bag	3922002

Combined pipe and section grinder

KRBS 101 – Combined pipe, section and belt grinding machine

- ▶ Convenient operation thanks to easily adjustable clamping device
- ▶ The rotating clamping jaws on the clamping device allow for safe clamping of square tubes, round tubes and flat steel
- ▶ Adjustable grinding angle from 30° - 90° and from 0° - 60°
- ▶ Thanks to the optimised quick-release holder, the tension pulley can be easily and quickly replaced without tools
- ▶ Long service life thanks to larger and improved roller bearing
- ▶ Practical grinding roller holders integrated in substructure
- ▶ Comprehensive range of grinding rollers for grinding various pipe diameters available as accessories
- ▶ Fast change-over between pipe grinding and belt grinding possible
- ▶ Powerful motor
- ▶ Almost all settings can be made without tools (operating tool included in scope of delivery)
- ▶ Large, folding protection pane with optimised view field
- ▶ Optimum adjustment to material in question thanks to 2 belt speeds (15 m/s perfect for stainless steel and aluminium, 30 m/s perfect for steel)
- ▶ With two easily removable swarf catchment containers
- ▶ Extraction port (Ø 70 mm) available for extraction systems

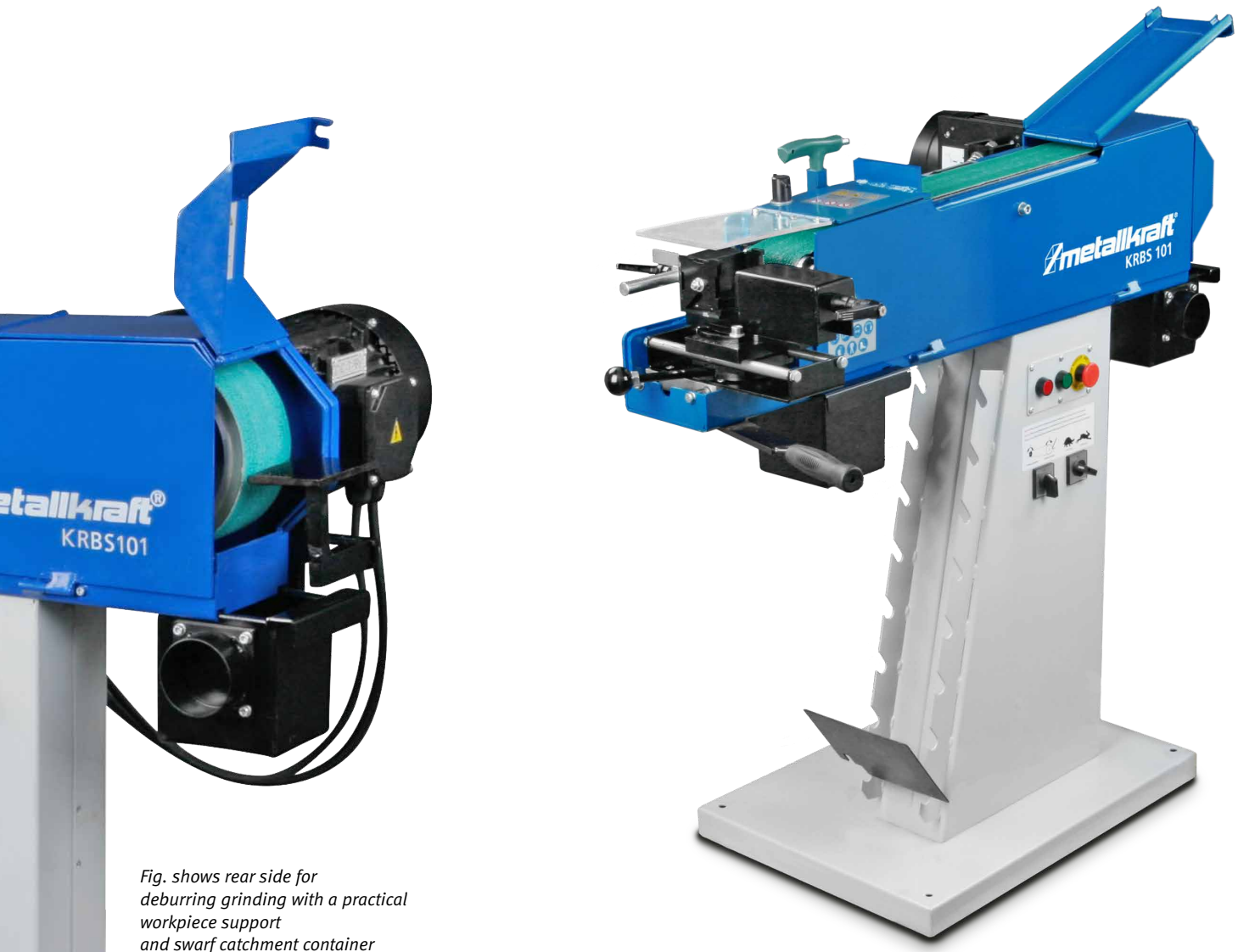


Fig. shows rear side for deburring grinding with a practical workpiece support and swarf catchment container

Model	KRBS 101
Art. no.	3921001
Technical specifications	
Belt dimensions	100 x 2 000 mm
Motor output	2.5 kW/3.3 kW
Electrical connection	400 V / 50 Hz
Motor speed	1 400/2 800 rpm
Belt speed	15–30 m/s
Grindable diameter	20 - 76 mm
Adjustable grinding angle	30° - 90° (0° - 60°)
Extraction duct nominal width outside	2 x 74 mm
Dimensions L x W x H	1 250 x 750 x 1 140 mm
Weight	159 kg

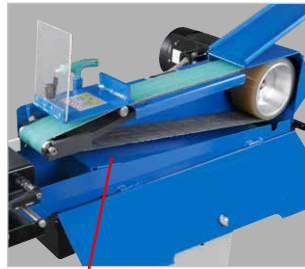
Scope of supply KRBS 101:

- › 1 x Standard grinding belt 36 grain
- › 2 x Swarf catchment containers
- › 1 x Spanner
- › 1 x Grinding roll 42 mm

Accessories	Art. no.
Roller for 3/8" pipe	3723050
Roller for 1/2" pipe	3723051
Roller for 22 mm pipe	3723052
Roller for 3/4" pipe	3723053
Roller for 28 mm pipe	3723054
Roller for 1" pipe	3723055
Roller for 34 mm pipe	3723056
Roller for 1 1/4" pipe	3723057
Roller for 44 mm pipe	3723058
Roller for 1 1/2" pipe	3723059
Roller for 50 mm pipe	3723060
Roller for 2" pipe	3723061
Roller for 62 mm pipe	3723062
Roller for 2 1/2" pipe	3723063
Roller for 78 mm pipe	3723064



► Large flat grinding surface with tool stop



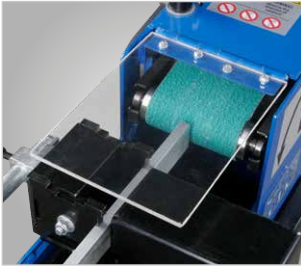
► The baffle guides the grinding dust optimally to the rear swarf discharge point



► Cross-cut fence adjustable without tools (only for 90°)



► Easy height adjustment of grinding belt without tools



► Large, folding protection pane with optimised view field



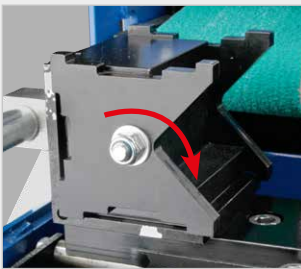
► Safe and easy workpiece guidance thanks to easily adjustable clamping device



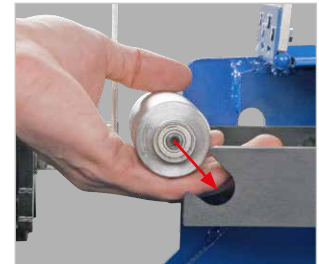
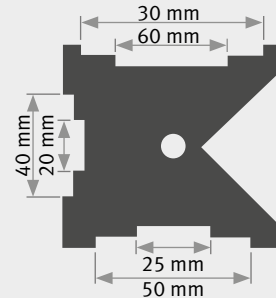
► Grinding angle of 30-90° adjustable based on scale



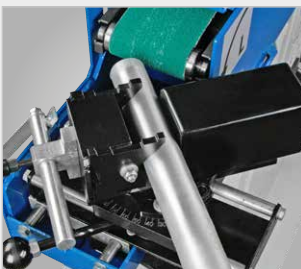
► With integrated grinding roller holder for optionally available grinding rollers with various diameters



- The rotating clamping jaws on the clamping device allow for safe clamping of square tubes, round tubes and flat steel
- The prism jaws allow for clamping of round tubes and square tubes.
- The additional clamping sections allow for precise clamping of workpieces such as flat steel or square tubes



► Thanks to the optimised quick-release holder, the grinding roller can be easily and quickly replaced without tools

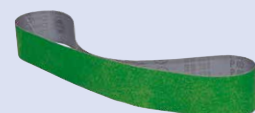


► Both swarf catchment containers are easily removable



Optional extraction unit AS 1400 (see page 41)

Grinding belt 2 000 x 100 mm		Art. no.	PQ
40 grain	Grinding aluminium	3724740	10
60 grain	Grinding aluminium	3724760	10
100 grain	Grinding aluminium	3724710	10
120 grain	Grinding aluminium	3724712	10
40 grain	Grinding stainless steel	3724840	10
60 grain	Grinding stainless steel	3724860	10
100 grain	Grinding stainless steel	3724810	10
120 grain	Grinding stainless steel	3724812	10



Belt sanders

MBSM - Belt grinding machines

- ▶ Metal belt grinders for grinding surfaces, edges, and for rounding
- ▶ Powerful motors and vibration-free action for best grinding results
- ▶ Protective screen folds away
- ▶ Grinding belt changed within seconds thanks to quick-release system
- ▶ Large surface grinding area as upper grinding belt cover can be folded away
- ▶ Usable with or without extraction unit
- ▶ With extraction ports directly on the spark box and rear idler

- ▶ Continuous planing surface after removing attachment parts - allows for grinding of long workpieces
- ▶ Easy adjustment of belt action thanks to adjustment screw
- ▶ Automatic re-tensioning of the grinding belt thanks to spring-supported belt tensioning system

MBSM 100-130 and MBSM 100-130-2

- ▶ Can be used as a workbench and upright model (using the optional chassis)

MBSM 100-130-2, 75-200-2 and 150-200-2

- ▶ With two belt speeds - for grinding steel and stainless steel

MBSM 75-200 and MBSM 150-200-2

- ▶ Continuously variable grinding unit



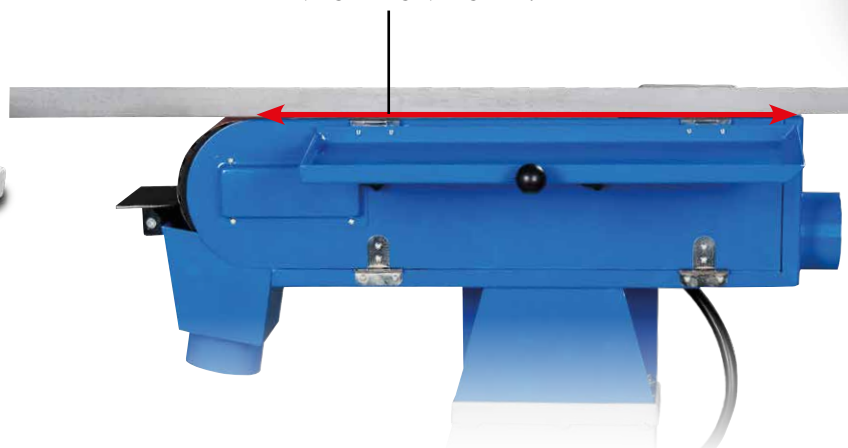
MBSM 100-130-2
With optional chassis



MBSM 100-130

- ▶ 230 Volt model with a single belt speed
- ▶ Standard scope of supply for use as a desktop model

- ▶ For all models, continuous planing surface thanks to removable attachment parts
- ▶ Allows for grinding of long workpieces



Model	MBSM 100-130	MBSM 100-130-2	MBSM 75-200-1 (230 V)	MBSM 75-200-1 (400 V)	MBSM 75-200-2	MBSM 150-200-2
Art. no.	3921226	3921225	3922070	3922071	3922075	3922150
Technical specifications						
Grinding width	100 mm	100 mm	75 mm	75 mm	75 mm	150 mm
Belt speed	19 m/s	9.5–19 m/s	29 m/s	29 m/s	14.5–29 m/s	14.5–29 m/s
Motor output	1.5 kW	1.5 kW	3 kW	3 kW	1.5–2.2 kW	2.2–2.8 kW
Electrical connection	230 V / 50 Hz	400 V / 50 Hz	230 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Grinding belt dimensions	100 x 1 220 mm	100 x 1 220 mm	75 x 2 000 mm	75 x 2 000 mm	75 x 2 000 mm	150 x 2 000 mm
Contact wheel Ø	130 mm	130 mm	200 mm	200 mm	200 mm	200 mm
Extraction duct nominal width outside	2 x 75 mm	2 x 75 mm	2 x 100 mm	2 x 100 mm	2 x 100 mm	2 x 100 mm
Dimensions in mm (L x W x H)	690 x 390 x 360	690 x 390 x 360	1 070 x 340 x 950	1 070 x 340 x 950	1 070 x 340 x 950	1 070 x 415 x 950
Weight	37 kg	37 kg	72 kg	72 kg	72 kg	90 kg



MBSM 150-200-2

MBSM 75-200-2

Matching extraction units
on Page 41



Fast grinding belt replacement thanks to quick-clamping system (Fig. MBSM 150-200-2)



Extraction port Ø 100 mm (Fig. MBSM 150-200-2)



Generously dimensioned contact and drive wheels (Fig. MBSM 150-200-2)

Accessories MBSM 100-130 / MBSM 100-130-2	Art. no.	PQ
Optional chassis	3921227	1
Contact wheel	3921222	1
Graphite support	3921230	1
Grinding belts 100 x 1 220 mm		
40 grain	3726040	10
60 grain	3726060	10
80 grain	3726080	10
120 grain	3726120	10
Standard set 100 x 1220	3726000	1
consisting of: 3x40 grain, 4x80 grain, 3x120 grain		
Grinding belts 100 x 1 220 mm for extreme spot load		
40 grain	3727040	10
60 grain	3727060	10
80 grain	3727080	10
100 grain	3727120	10
Woven fabric set 100 x 1 220	3726001	1
consisting of: 3x40 grain, 4x80 grain, 3x120 grain		

Accessories MBSM 75-200-2	Art. no.	PQ
Contact wheel	3922076	1
Graphite support	3921231	1
Grinding belts 75 x 2 000 mm		
40 grain	3722004	10
60 grain	3722006	10
80 grain	3722008	10
120 grain	3722009	10
Standard set 75 x 2000	3722000	1
consisting of: 3x40 grain, 4x80 grain, 3x120 grain		
Grinding belts 75 x 2 000 mm for extreme spot load		
24 grain	3722022	10
36 grain	3722023	10
40 grain	3722024	10
60 grain	3722026	10
Woven fabric set 75 x 2 000	3722001	1
consisting of: 4x24 grain, 3x40 grain, 3x60 grain		

Accessories MBSM 150-200-2	Art. no.	PQ
Contact wheel	3922151	1
Graphite support	3921232	1
Grinding belts 150 x 2 000 mm		
40 grain	3722014	10
60 grain	3722016	10
80 grain	3722018	10
120 grain	3722019	10
Standard set 150 x 2000	3722010	1
consisting of: 3x40 grain, 4x80 grain, 3x120 grain		
Grinding belts 150 x 2 000 mm for extreme spot load		
24 grain	3723022	10
36 grain	3723023	10
40 grain	3723024	10
50 grain	3723025	10
60 grain	3723026	10
Woven fabric set 150 x 2 000	3722011	1
consisting of: 4x24 grain, 3x40 grain, 3x60 grain		

Magnetic drilling

Deburring

Metal grinding

Cutting

Notching & punching

Bending

Presses

Circular saws

Roller conveyors

Metal-cutting band saws

MBSM series – Metal belt grinders with integrated extraction unit

- ▶ Metal belt grinders for grinding surfaces, edges, and for rounding
- ▶ Powerful motors with vibration-free action to achieve the best possible grinding results
- ▶ Protective screen folds away
- ▶ Grinding belt changed within seconds thanks to quick-release system
- ▶ With 2 extraction ports - one directly on the spark box and one on the rear roller
- ▶ Continuous surface grinding area
- ▶ Easy adjustment of belt action thanks to adjustment screw
- ▶ Features motor brake, adjustable working height, protective screen, angle stop and motor circuit breaker as standard
- ▶ Continuously variable grinding unit

MBSM 75-20 AS and MBSM 150-20 AS

- ▶ With 2 integrated extraction units - one directly on the spark box and one on the rear roller



MBSM 75-20



MBSM 75-20 AS

Model	MBSM 75-20	MBSM 75-20 AS	MBSM 150-20	MBSM 150-20 AS
Art. no.	3712075	3712076	3712150	3712151
Technical specifications				
Integrated extraction unit	No	Yes	No	Yes
Grinding width	75 mm	75 mm	150 mm	150 mm
Belt speed	34 m/s	34 m/s	34 m/s	34 m/s
Motor output	3 kW	3.5 kW	3.5 kW	3.5 kW
Electrical connection	3 x 400 V/ 50 Hz	3 x 400 V/ 50 Hz	3 x 400 V/ 50 Hz	3 x 400 V/ 50 Hz
Grinding belt dimensions	75 x 2 000 mm	75 x 2 000 mm	150 x 2 000 mm	150 x 2 000 mm
Contact wheel Ø	200 x 75 x 24 mm	200 x 75 x 24 mm	200 x 150 x 28 mm	200 x 150 x 28 mm
Extraction duct nominal width outside	2 x 100 mm	2 x 100 mm	2 x 100 mm	2 x 100 mm
Intake capacity	–	630 m³/h	–	630 m³/h
Dimensions (L x W x H)	1 025 x 500 x 1 000 mm	1 025 x 500 x 1 000 mm	1 025 x 600 x 1 000 mm	1 025 x 600 x 1 000 mm
Weight	90 kg	91 kg	100 kg	114 kg



MBSM 150-20 AS



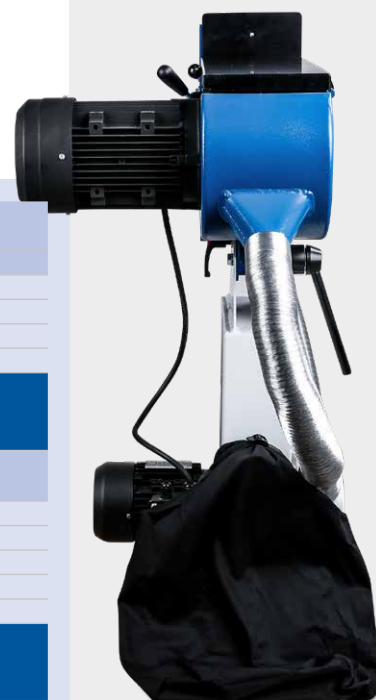
Tension/relieve belt via lever



Simple belt tracking adjustment



With 2 extraction ducts



Accessories MBSM 75-20	Art. no.	PQ
Grinding belts 75 x 2 000 mm		
40 grain	3722004	10
60 grain	3722006	10
80 grain	3722008	10
120 grain	3722009	10
Standard set 75 x 2000	3722000	1
<i>consisting of: 3x 40 grain, 4x 80 grain, 3x 120 grain</i>		
Grinding belts 75 x 2 000 mm for extreme spot load		
24 grain	3722022	10
36 grain	3722023	10
40 grain	3722024	10
60 grain	3722026	10
Woven fabric set 75 x 2 000	3722001	1
<i>consisting of: 4x 24 grain, 3x 40 grain, 3x 60 grain</i>		

Accessories MBSM 150-20	Art. no.	PQ
Grinding belts 150 x 2 000 mm		
40 grain	3722014	10
60 grain	3722016	10
80 grain	3722018	10
120 grain	3722019	10
Standard set 150 x 2000	3722010	1
<i>consisting of: 3x 40 grain, 4x 80 grain, 3x 120 grain</i>		
Grinding belts 150 x 2 000 mm for extreme spot load		
24 grain	3723022	10
36 grain	3723023	10
40 grain	3723024	10
50 grain	3723025	10
60 grain	3723026	10
Woven fabric set 150 x 2 000	3722011	1
<i>consisting of: 4x 24 grain, 3x 40 grain, 3x 60 grain</i>		

Long belt sanding machine

MBSM ESE – Long belt grinding machine with pivoting grinding unit for surface grinding and edge grinding of long workpieces

- ▶ For use in the metalworking industry for grinding, structuring and polishing tasks, especially with stainless steel
- ▶ 225 mm, balanced belt rollers for optimum, low-vibration drive action
- ▶ Continuously variable band speed 4.5 – 27 m/s thanks to frequency inverter
- ▶ With electrical table height adjustment
- ▶ With fold-up table, drawer grinding unit and integrated work table lighting
- ▶ Easy action grinding table also under load
- ▶ Easy adjustment of sanding belt
- ▶ Roller grinding shoe for less annealing discolouration during grinding
- ▶ CW/CCW sense of direction as standard



Converts from surface to edge grinding within seconds and without tools!

MBSM 2505 ESE

With pivoted grinding unit for edge grinding

Model	MBSM 1505 ESE	MBSM 2505 ESE	MBSM 3005 ESE
Art. no.	3704015	3704025	3704030
Technical data			
Work table dimensions	1 500 x 800 mm	2 500 x 800 mm	3 000 x 800 mm
Work table height adjustment	540 mm	540 mm	540 mm
Work table transverse stroke	700 mm	700 mm	700 mm
Table load max.	100 kg	100 kg	100 kg
Grinding shoe dimensions	270 x 150 mm	270 x 150 mm	270 x 150 mm
Continuously variable belt speed	4.5–27 m/s	4.5–27 m/s	4.5–27 m/s
Motor output	3 kW (4.0 PS)	3 kW (4.0 PS)	3 kW (4.0 PS)
Electrical connection	400 V / 50 Hz / P 2	400 V / 50 Hz / P 2	400 V / 50 Hz / P 2
Drive roller diameter	225 mm	225 mm	225 mm
Grinding belt dimensions	5 020 x 150 mm	7 000 x 150 mm	8 000 x 150 mm
Machine dimensions	2 500 x 1 300 x 1 450 mm	4 000 x 1 300 x 1 450 mm	4 500 x 1 300 x 1 450 mm
Weight	470 kg	516 kg	530 kg
Extraction duct nominal width outside	160 mm	160 mm	160 mm

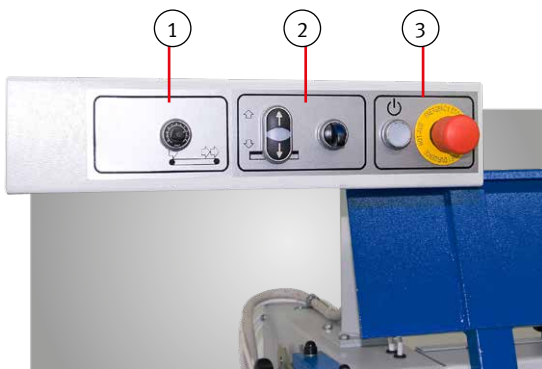


Quality
made in
Europe

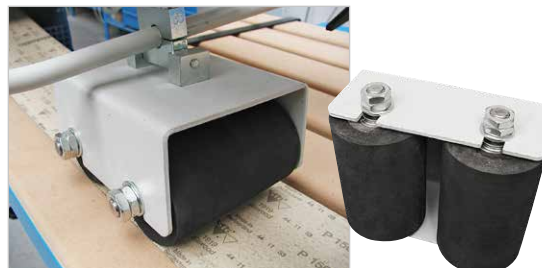


MBSM 2505 ESE

Can be used as a long belt grinding machine



- ▶ Ergonomic control panel at eye level
- ▶ Easy operation from the front
- ▶ With emergency stop switch (3), electrical table height adjustment (2) and potentiometer for continuously variable belt speed (1)



- ▶ Grinding shoe with two large rubber rollers for less friction warming (annealing colour)
- ▶ Also suitable for workpieces with bevelled edges due to pivoting grinding shoe bearing



Application grinding stainless steel
grinding belt deployed 120 grain for surface structuring

Applications

- ▶ For processing aluminium*, steel and stainless steel
- ▶ Structuring finishing of metal surfaces
- ▶ Silk matt or silky lustre finishing with non-woven fabric belt
- ▶ Grinding of long welds
- ▶ Cleaning of surfaces with annealing discolouration after welding

Important notice

*Note the high risk of deflagration for aluminium grinding!



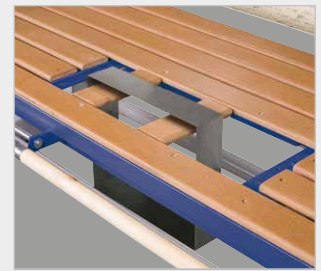
Matching grinding agents are listed after the two-belt grinding machines.

Accessories

Sliding shoe with graphite support

Art. no.

0532PER33000



- ▶ with drawer sanding unit as factory standard
- ▶ With folding table for special edge grinding applications



- ▶ Grinding table with stop rail as standard



- ▶ Pivoting unit with quick-release clamping system
- ▶ 3.0 kW motor



- ▶ 225 mm, balanced belt rollers for optimum, low-vibration drive action



with graphite support, specially for fine grinding,
Art. no. 0532PER33000

Magnetic drilling

Deburring

Metal grinding

Cutting

Notching & punching

Bending

Presses

Circular saws

Roller conveyors

Metal-cutting band saws

Grinding belts for MBSM MBSM ESE / MBSM ZB

Grinding and non-woven fabric belts for metal long belt grinding machines MBSM ESE



Grinding belts for MBSM 1505 ESE Dimensions: 150 x 5020 mm			Grinding belts for MBSM 2505 ESE Dimensions: 150 x 7000 mm			Grinding belts for MBSM 3005 ESE Dimensions: 150 x 8 000 mm			Non-woven fabric belts for MBSM 1505 ESE Dimensions: 150 x 5020 mm		
Grit size	Art. no.	PQ	Grit size	Art. no.	PQ	Grit size	Art. no.	PQ	Grit size	Art. no.	PQ
for aluminium grinding*			for aluminium grinding*			for aluminium grinding*			For all materials*		
80	3721180	5	80	3725080	5	80	3724080	5	Coarse	3721701	1
100	3721110	5	100	3725010	5	100	3724010	5	Medium	3721702	1
120	3721112	5	120	3725012	5	120	3724012	5	Fine	3721703	1
150	3721115	5	150	3725015	5	150	3724015	5	Non-woven fabric belts for MBSM 2505 ESE Dimensions: 150 x 7000 mm		
180	3721118	5	180	3725018	5	180	3724018	5			
220	3721122	5	220	3725022	5	220	3724022	5			
240	3721124	5	240	3725024	5	240	3724024	5	For all materials*		
For stainless steel and steel grinding			For stainless steel and steel grinding			For stainless steel and steel grinding					
80	3721280	5	40	3723040	5	80	3724180	5			
100	3721210	5	80	3723080	5	100	3724110	5	Coarse	3723301	1
120	3721212	5	100	3723010	5	120	3724112	5	Medium	3723302	1
150	3721215	5	120	3723012	5	150	3724115	5	Fine	3723303	1
180	3721218	5	150	3723015	5	180	3724118	5	Non-woven fabric belts for MBSM 3005 ESE Dimensions: 150 x 8 000 mm		
220	3721222	5	180	3723018	5	220	3724122	5			
240	3721224	5	220	3723032	5	240	3724124	5			
For stainless steel pre-grinding**			240	3723034	5	For stainless steel pre-grinding**			For all materials*		
80	3721380	5	For stainless steel pre-grinding**			80	3724280	5			
120	3721412	5	80	3723180	5	120	3724212	5			
150	3721515	5	120	3723112	5	For stainless steel pre-grinding***			For all materials*		
For stainless steel pre-grinding***			For stainless steel pre-grinding***			80	3724380	5			
80	3721680	5	40	3723240	5	100	3724310	5			
100	3721610	5	80	3723280	5	120	3724312	5	Coarse	3724401	1
120	3721612	5	100	3723210	5	150	3724315	5	Medium	3724402	1
150	3721615	5	120	3723212	5	180	3724318	5	Fine	3724403	1
180	3721618	5	150	3723215	5	Specially for steel grinding					
Specially for steel grinding			180	3723218	5	80	3724680	5			
80	3721880	5	Specially for steel grinding			100	3724610	5			
100	3721810	5	80	3723580	5	120	3724612	5			
120	3721812	5	100	3723510	5	150	3724615	5			
150	3721815	5	120	3723512	5	180	3724618	5			
180	3721818	5	150	3723515	5	220	3724622	5			
220	3721822	5	180	3723518	5	240	3724624	5			
240	3721824	5	220	3723522	5						
			240	3723524	5						

* Due to the high risk of deflagration, ensure that only wet grinding is performed on aluminium!

** With polyester support, perfectly suited if the contact pressure for grinding is very high, or for wet grinding

*** With softer woven support made of cotton

FINANCING THROUGH LEASING

Leasing offers companies a number of advantages over purchase or credit financing. The most important aspects are:

Tax benefits

Leasing instalments are fully tax deductible as operating expenses if the leased object is assigned to the lessor for tax purposes.

Balance sheet neutral

Leasing objects do not appear in the lessee's balance sheet. Only the leasing instalments are recorded as operating expenses in the profit and loss account. The equity ratio and the debt ratio do not change. The lessor capitalises the leased asset as fixed assets or leased assets. (Off-balance-sheet financing)

Calculation basis

The leasing rate is not influenced by changes in interest rates or ratings, even in the long term, and thus serves as a reliable basis for calculation.

Liquidity

Since the leasing company is responsible for financing the object, the lessee has more financial leeway for future decisions. Additionally, dependency on banks is reduced.

"Pay as you earn" considerations

As the leasing instalments are due parallel to the use of the object, the leasing object more or less finances itself (effect/cost congruity). Financing costs are spread over the duration of use and thus also over the period in which income is generated from the object. Advance financing is thus avoided.

Planning reliability

The amount of the leasing instalments and contract term are fixed from the start.

Individual contract design

The individual contract design with regard to term, amortisation and payment flow, and method of payment makes it possible to adapt to different needs.



Please ask us for your personal quotation!

Talk to your retailer or request information by email **free of charge and without obligation** at leasing@stma.de.



Precision surface grinders

FSM – Precision grinding machines with NC controlled vertical feed

- ▶ For precision surface grinding work in industrial applications
- ▶ Maximum stiffness and stability thanks to stress-free tempered and hardened cast iron design
- ▶ IP65-protected halogen lighting
- ▶ With automatic centralised lubrication system for all guide rails and spindles
- ▶ Electro-magnetic clamping plate for holding the workpiece incl. automatic degaussing function
- ▶ Premium spindle with precision taper roller bearings (roundness precision 2 µm)
- ▶ Flat V guides, hand-shaved and coated "Turcite-B" guarantee extremely uniform, low-friction movement and maximum precision
- ▶ Second grinding wheel flange



- ➔ Grinding range: 250 x 500 mm
- ➔ Grinding wheel: 180 x 13 x 31.7 mm
- ➔ Max. workpiece weight: 190 kg

Standard equipment

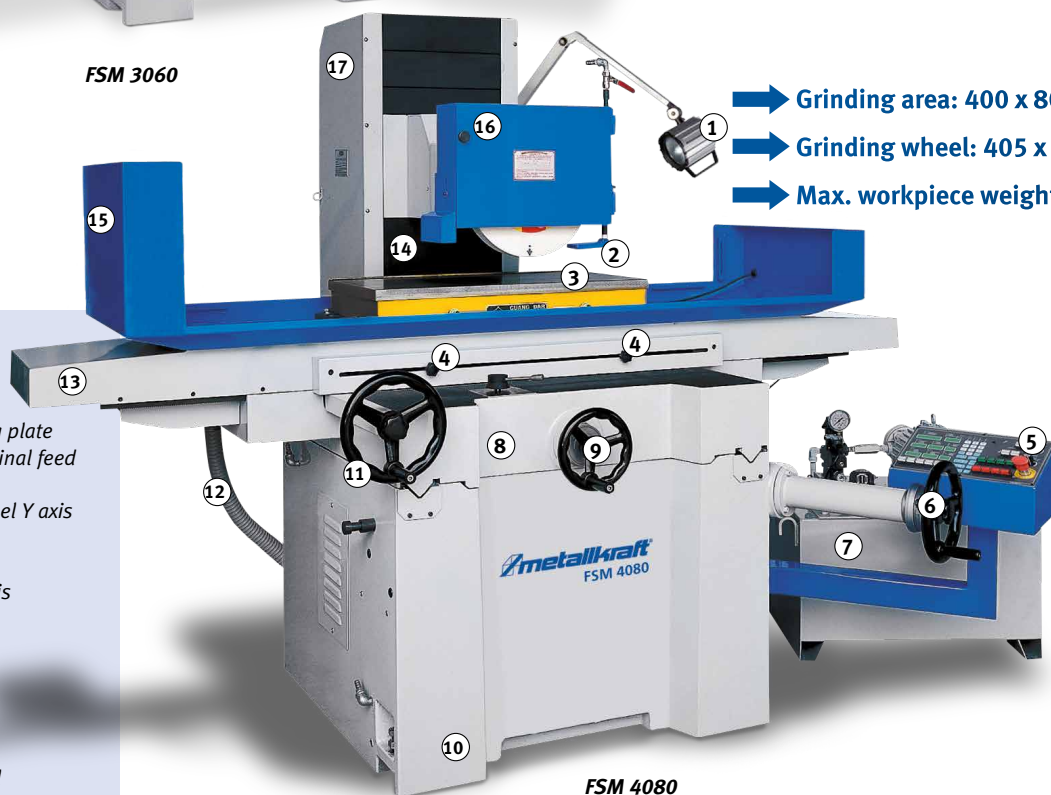
- › Electro-magnetic clamping plate
- › Automatic degaussing unit
- › Grinding wheel flange
- › Grinding wheel
- › Balancing mandrel
- › Parallel dressing unit
- › Levelling feet
- › Operating tool
- › Halogen work lamp (IP65)
- › Coolant equipment

Model	FSM 1545	FSM 2045	FSM 2550
Art. no.	3931545	3932045	3932550
Technical specifications			
Size of clamping plate	150 x 450 mm	200 x 450 mm	250 x 500 mm
max. distance between distance and table	450 mm	450 mm	500 mm
Traversing speed of table	5 - 25 m/min.	5 - 25 m/min.	5 - 25 m/min.
Max. workpiece weight	110 kg	110 kg	190 kg
Spindle speed	2 900 rpm	2 900 rpm	2 900 rpm
Size of grinding wheel	180 x 13 x 31.7	180 x 13 x 31.7 mm	180 x 13 x 31.7 mm
Spindle motor output	1.5 kW	1.5 kW	1.5 kW
Hydraulic pump motor output	0.75 kW	0.75 kW	0.75 kW
Electrical connection	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Dimensions (L x W x H)	1 900 x 1 300 x 1 700 mm	2 080 x 1 200 x 1 800 mm	2 250 x 1 400 x 1 800 mm
Weight	900 kg	950 kg	1 350 kg



- ➔ Grinding area: 300 x 600 mm
- ➔ Grinding wheel: 355 x 38 x 127 mm
- ➔ Max. workpiece weight: 215 kg

FSM 3060



- ➔ Grinding area: 400 x 800 mm
- ➔ Grinding wheel: 405 x 50 x 127 mm
- ➔ Max. workpiece weight: 250 kg

Layout and function

1. Halogen work lamp
2. Coolant nozzle
3. Electromagnetic clamping plate
4. Adjustable cams longitudinal feed
5. Control panel
6. Hand wheel grinding wheel Y axis
7. Hydraulic power unit
8. Transverse carriage
9. Hand wheel carriage Z axis
10. Base
11. Hand wheel table X axis
12. Coolant return line
13. Table
14. Grinding disc
15. Splash guard
16. Cover for grinding wheel
17. Column

FSM 4080

Model	FSM 3060	FSM 4080
Art. no.	3933060	3934080
€ plus VAT	27.800,00	38.990,00
Technical specifications		
Size of clamping plate	300 x 600 mm	400 x 800 mm
max. distance between distance and table	500 mm	550 mm
Traversing speed of table	5-25 m/min.	5-25 m/min.
Max. workpiece weight	215 kg	250 kg
Spindle speed	1 450 rpm	1 450 rpm
Size of grinding wheel	355 x 38 x 127 mm	406 x 50 x 127 mm
Spindle motor output	3.75 kW	3.75 kW
Hydraulic pump motor output	0.75 kW	1.5 kW
Electrical connection	400 V / 50 Hz	400 V / 50 Hz
Dimensions (L x W x H)	2 650 x 1 550 x 1 800 mm	3 450 x 2 050 x 1 900 mm
Weight	1 700 kg	3 250 kg

Precision surface grinders

FSM – Precision grinding machines with NC controlled vertical feed



FSM 50100



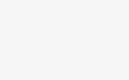
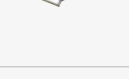
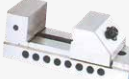
FSM 60150

More models on request!

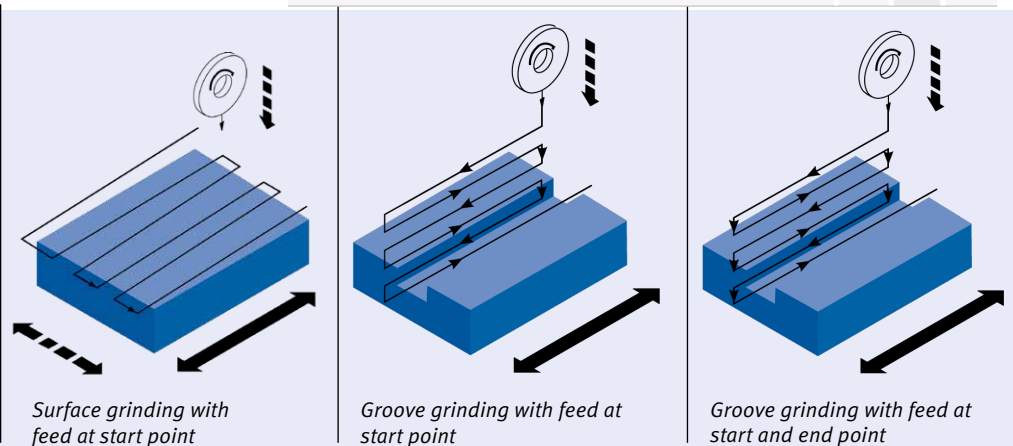
Model	FSM 50100	FSM 60150	FSM 70200
Art. no.	3935010	3936015	3937020
Technical specifications			
Size of clamping plate	500 x 1 000 mm	600 x 1 500 mm	700 x 2 000 mm
max. distance between distance and table	600 mm	600 mm	600 mm
Traversing speed of table	5-25m/min	5-25 m/min.	5-25 m/min.
Max. workpiece weight	515 kg	880 kg	880 kg
Spindle speed	1 450 rpm	1 450 rpm	1 450 rpm
Size of grinding wheel	405 x 50 x 127 mm	405 x 50 x 127 mm	405 x 50 x 127 mm
Spindle motor output	7.46 kW	7.46 kW	7.46 kW
Hydraulic pump motor output	2.24 kW	3.73 kW	3.73 kW
Electrical connection	400 V / 50 Hz	400 V / 50 Hz	400 V / 50 Hz
Dimensions (L x W x H)	4 600 x 2 300 x 2 040 mm	4 800 x 2 450 x 2 040 mm	6 000 x 2 550 x 2 040 mm
Weight	6 000 kg	7 500 kg	9 000 kg

* Please turn over for descriptions of the packaging surcharges, data on TPFR excluding VAT.

Accessories for precision surface grinders FSM

Model	FSM 2550 Art no. 3932550	FSM 3060 Art no. 3933060	FSM 4080 Art no. 3934080	Model	FSM 2550 Art no. 3932550	FSM 3060 Art no. 3933060	FSM 4080 Art no. 3934080
 Extraction unit Art no. 3939012	•			 Angle dresser Art no. 3939020			
Extraction mechanism and cooling system Art no. 3939013	•			 Angle dresser Art no. 3939118			
 Extraction mechanism and cooling system Art no. 3939111		•		 Angle dresser Art no. 3939217			
Magnetic separator and cooling system Art no. 3939014	•			Radius dresser Art no. 3939021	•		
 Magnetic separator and cooling system Art no. 3939112		•		 Radius dresser Art no. 3939119		•	
Magnetic separator and cooling system Art no. 3939211			•	 Radius dresser Art no. 3939218			•
Automatic paper belt filter and cooling system Art no. 3939015	•			Toolmaker's vice Art no. 3939022	•		
 Automatic paper belt filter and cooling system Art no. 3939113		•		 Toolmaker's vice Art no. 3939120		•	
Automatic paper belt filter and cooling system Art no. 3939212			•	Toolmaker's vice Art no. 3939219			•
Automatic paper belt filter with magnetic separator and cooling system Art no. 3939016	•			Sinus grinding machine vice Art no. 3939023	•		
 Automatic paper belt filter with magnetic separator and cooling system Art no. 3939114				 Sinus grinding machine vice Art no. 3939121		•	
Automatic paper belt filter with magnetic separator and cooling system Art no. 3939213				Sinus grinding machine vice Art no. 3939121			•
				Shape dresser Art no. 3939024	•		
				 Shape dresser Art no. 3939122		•	
				Shape dresser Art no. 3939221			•

The FSM series models are equipped with automatic feed control (AD 5). Various grinding cycles are available – see diagram on right. The grinding wheel feed can be individually configured to match the workpiece. The overall grinding dimension is divided into rough and fine feed areas; the feed steps can be freely entered with a minimum resolution of up to 0.001 mm depending on the application. The ability to program idle movements after a certain number of feed steps, and cycles for surface finishing after reaching the grinding dimension guarantees excellent grinding results.



Precision surface grinders

Accessories for FSM precision surface grinders (ex works only)

Model	FSM 2550 Art no. 3932550	FSM 3060 Art no. 3933060	FSM 4080 Art no. 3934080
Permanent magnet clamping plate 250 x 500 mm Art no. 3939001	•		
Electro-magnetic clamping plate Fine pol. 250 x 500 mm Art no. 3939002	•		
 Electro-magnetic clamping plate Fine pol. 300 x 600 mm Art no. 3939101		•	
Electro-magnetic clamping plate Fine pol. 400 x 800 mm Art no. 3939201			•
NC controlled parallel dressing and equalising unit Art no. 3939003	•		
NC controlled parallel dressing and equalising unit Art no. 3939102		•	
NC controlled parallel dressing and equalising unit Art no. 3939203			•
Parallel dressing unit hydraulic Art no. 3939202			•
Automatic adjustment of transverse feed Art no. 3939004	•		
 Automatic adjustment of transverse feed Art no. 3939103		•	
Automatic adjustment of transverse feed Art no. 3939204			•
Fine adjustment for transverse feed Art no. 3939006	•		
Fine adjustment for transverse feed Art no. 3939105		•	
Fine adjustment for transverse feed Art no. 3939205			•

Model	FSM 2550 Art no. 3932550	FSM 3060 Art no. 3933060	FSM 4080 Art no. 3934080
Ball screw for transverse feed Art no. 3939104 €535.00 plus VAT		•	
Fine adjustment for vertical feed Art no. 3939007 €749.00 plus VAT	•		
Fine adjustment for vertical feed Art no. 3939106		•	
Fine adjustment for vertical feed Art no. 3939206			•
Vertical rapid motion Art no. 3939008	•		
 Vertical rapid motion Art no. 3939107		•	
Vertical rapid motion Art no. 3939207			•
Rear splash guard Art no. 3939009	•		
 Rear splash guard Art no. 3939108		•	
Rear splash guard Art no. 3939208 €945.00 plus VAT			•
Splash guard front and sides Art no. 3939010 €859.00 plus VAT	•		
 Splash guard front and sides Art no. 3939109		•	
Splash guard front and sides Art no. 3939209			•
Full splash guard Art no. 3939018	•		
 Full splash guard Art no. 3939116		•	
Full splash guard Art no. 3939215			•
 Automatic balancing device Art no. 3939117		•	
 Automatic balancing device Art no. 3939216			•

More accessories on request.