

HKS 230 – Hand-held circular saw for use in workshops and on construction sites for cutting aluminium, steel and stainless steel

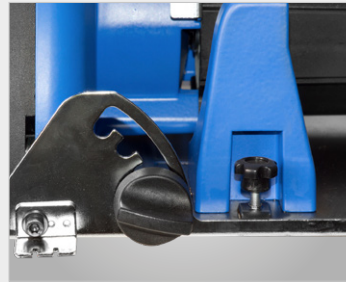
- ▶ Ideally suited for installation companies, façade builders, metalworking shops, repair shops, trade fair constructors, etc.
- ▶ Ideal for use where cut-off grinders are not powerful enough or work uncleanly
- ▶ Cuts stainless steel with low burr
- ▶ Chips dissipate heat, resulting in minimal heat build-up during cutting.
- ▶ Heavy-duty motor with soft start and overload protection
- ▶ Immersion in the material possible
- ▶ Uncomplicated and quick cutting depth adjustment using a precise and easy-to-read scale
- ▶ Stable and robust construction
- ▶ Handle can be screwed in at two different positions for comfortable handling of the saw in any position
- ▶ Simple operation



Double-guided rip fence for precise cutting



Uncomplicated and quick cutting depth adjustment using a precise and easy-to-read scale



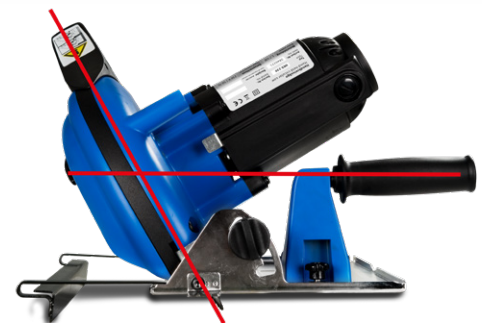
Infinitely variable and convenient adjustment of the mitre angle; click stops at 0°, 15°, 30° and 45°



Quick saw blade change thanks to gear locking pin



Saw blade not included in delivery



- ▶ Handle can be remounted for mitre cuts so that the saw can be safely guided parallel to the cutting plane

Scope of delivery:
▶ Robust plastic case

Cutting capacity HKS 230

	80 x 80
	56 x 56

Model	HKS 230
Art. no.	3840231
Technical data	
Rotational speeds	2200 min ⁻¹
Saw blade diameter max.	Ø 230 mm
Saw blade bore	Ø 25.4 mm
Saw blade thickness	2 mm
Motor power ~50 Hz	1.7 kW / 230 V
Dimensions (L x W x H) approx.	620 x 320 x 270 mm
Weight approx.	7.8 kg

UNIVERSAL CARBIDE CIRCULAR SAW BLADES

- ▶ For fast cuts in steel, aluminium, stainless steel, non-ferrous metals, profiles, solid material, sheet metal, cables
- ▶ Also suitable for cut-off saws from Jepson, Global, Ryobi and Ridgid
- ▶ Enables cuts without coolant
- ▶ Saw blades can be resharpened

Saw blades specially designed for the machines and the respective applications:



Premium quality Made in Japan

Saw blades for HKS 230	Ø in mm	Blade thickness	Teeth	Art. no.	HKS 230	
Steel - Thin	230 x 25.4	1.4 mm	68	3850235		
Steel S235JR	230 x 25.4	2.0 mm	48	3850231		
Aluminium	230 x 25.4	2.4 mm	80	3850232		
Stainless steel	230 x 25.4	1.8 mm	60	3850233		
Saw blades for HKS 320	Ø in mm	max. Speed	Blade thickness	Teeth	Art. no.	HKS 320
Stainless steel	320 x 25.4	1900 min ⁻¹	2.2 mm	84	3853203	
Steel S235JR	320 x 25.4	1900 min ⁻¹	2.2 mm	80	3853204	

Hand-held circular saw

HKS 320 — the ideal metal circular saw for sawing steel, sandwich panels, trapezoidal sheet metal, cable ducts

- ▶ Ideal for sawing steel, sandwich panels, trapezoidal sheets, cable ducts, steel pipes and profiles, ferrous and non-ferrous metals, composite materials, etc.
- ▶ Ideal for use where cut-off grinders are not powerful enough or work uncleanly
- ▶ Lightweight magnesium construction: 8.4 kg (without saw blade)
- ▶ Simple operation



Integrated chip tipping compartment, connection for optional extraction system



Cutting depth adjustment on the rear



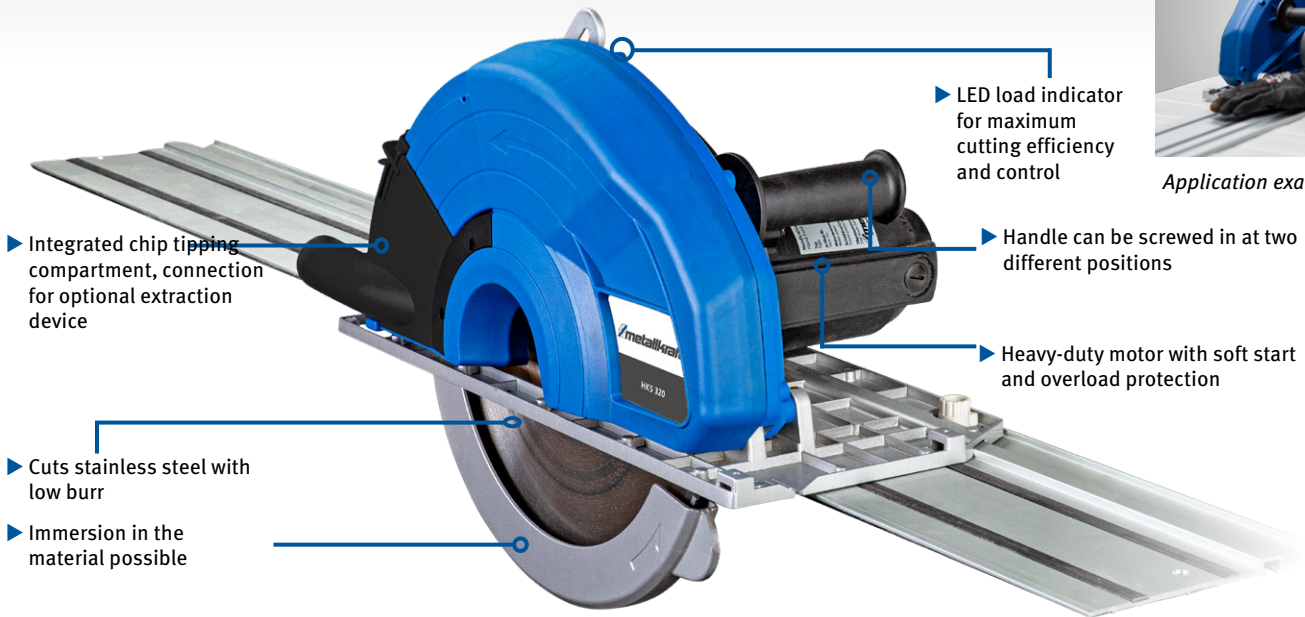
Closed design prevents flying chips



Powerful 1.8 kW motor



Application examples



▶ Integrated chip tipping compartment, connection for optional extraction device

▶ Cuts stainless steel with low burr

▶ Immersion in the material possible

▶ LED load indicator for maximum cutting efficiency and control

▶ Handle can be screwed in at two different positions

▶ Heavy-duty motor with soft start and overload protection

Accessories shown, guide rail 1400 mm and saw blade not included in delivery

Scope of delivery:

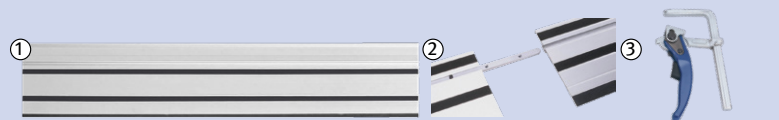
- > Hexagon spanner 6mm
- > Side handle

Cutting capacity HKS 320

0°	○
	128

Model		HKS 320
Art. no.		3840321

Technical data		
Rotational speeds	min ⁻¹	1700
Saw blade diameter max.	mm	Ø 320
Saw blade bore	mm	Ø 25.4
Saw blade thickness	mm	2.2
Motor power ~50 Hz	kW/V	1.8 / 230
Dimensions (L x W x H) approx.	mm	500 x 342 x 355
Weight approx.	kg	8.4



Accessory

	Art. no.
① Guide rail 1400 mm	
<ul style="list-style-type: none"> > Guide rail for precise and straight cuts > Sliding coating for smooth running of the saw > Quick-action clamps available as accessories > Connection of two or more guide rails possible with connectors available as accessories 	3850030
② Connecting piece to guide rail	3850031
③ Quick-action clamp for guide rail	3850032

MTS 185-3 B – Metal dry cutter with three speeds

- ▶ For low-burr sawing of profiles and pipes made of steel, iron, copper, brass, aluminium, plastics and composites without coolant
- ▶ Used, for example, in metal construction, carpentry, interior design, etc.
- ▶ Angle for mitre cuts right 45°
- ▶ Easy to transport
- ▶ Motor with soft start for easier handling when switching on the saw
- ▶ Vice with quick adjustment
- ▶ Secure stand thanks to die-cast aluminium base
- ▶ Extremely stable and robust construction



Angle for mitre cuts right 45° and vice with quick adjustment



Cutting capacity MTS 185-3 B

	●	○	■	□	■	□
	55	55	45 x 45	70 x 70	35 x 85	35 x 85
	45	45	40 x 40	55 x 55	30 x 80	30 x 80

Model		MTS 185-3 B
Art. no.		3840186
Rotational speeds	min ⁻¹	1900/2300/2.800
Saw blade diameter	mm	185
Saw blade bore	mm	22
Saw blade thickness	mm	1.4
Motor power ~50 Hz	kW/V	1.5/230
Dimensions (L x W x H) approx.	mm	480x290x480
Weight approx.	kg	12.5

Accessory	Art. no.
Saw blade for steel Ø 185 x 1.8/1.4 x 22 mm Z36	3850150
Saw blade for stainless steel Ø 185 x 1.8/1.4 x 22 mm Z72	3850151

Metal dry cutter

MTS 356-4B – Metal dry cutter with 4 speeds

- ▶ With brushless motor - particularly efficient, quiet, durable and maintenance-free
- ▶ For low-burr sawing of profiles and pipes made of steel, iron, copper, brass, aluminium, plastics and composites without coolant
- ▶ Four speeds selectable at the touch of a button
- ▶ Angle adjustment
0° – 45° for mitre cuts
- ▶ Vice with quick adjustment
- ▶ Secure footing thanks to non-slip hard rubber feet
- ▶ With spindle lock for quick saw blade changes
- ▶ Easy to transport
- ▶ Motor with soft start
- ▶ **Compatible with the MUG 1 machine base frame (Art. no. 3351490)**



Digital Display. For displaying the saw blade speed, among other things



Large LED work light on the underside of the handle to illuminate the work area



Angle adjustment 0°-45° for mitre cuts



Cutting capacity MKS 356-4B

130	125 x 125	170 x 110

Model	MTS 356-4B	
Art. no.	3840356	
Rotational speeds	min ⁻¹	700 / 900 / 1100 / 1300
Mitre square	°	0 – 45
Saw blade diameter	mm	Ø 355
Saw blade bore	mm	Ø 25.4
Saw blade thickness	mm	2.4
Motor power ~50 Hz	kW/V	3.5 / 230
Dimensions (L x W x H) approx.	mm	500 x 342 x 355
Weight approx.	kg	25

Accessory

Accessory	Art. no.
Machine chassis MUG 1	3351490
Saw blade for steel Ø 355 x 2.4 x 25.4 mm Z90	3853505
Saw blade for steel Ø 355 x 2.4 x 25.4 mm Z80	3853504
Saw blade for steel Ø 305 x 2.4 x 25.4 mm	3853051
Saw blade for aluminium Ø 355 x 2.4 x 25.4 mm	3853502
Saw blade for stainless steel Ø 355 x 2.4 x 25.4 mm	3853503

MKS 350 E – Metal circular saw with swivelling mitre saw head and vice

- ▶ Two cutting speeds
- ▶ Automatic diaphragm coolant pump with coolant filter as standard
- ▶ Mitre adjustment from -45° to 45°
- ▶ Vice with double clamping device guarantees a precise and burr-free cut



Scope of delivery:

- > Coolant device with filter
- > Self-centring vice
- > Machine base

Cutting capacity MTS 185-3 B

	●	○	■	□	▭
	55	120	50 x 50	110 x 110	140 x 100
	45	105	40 x 40	100 x 100	100 x 100

Model		MKS 350 E
Art. no.		3629350
Rotational speeds	min ⁻¹	36/72
Saw blade diameter	mm	350
Saw blade bore	mm	32
Saw blade thickness	mm	2
Motor power ~50 Hz	kW/V	1.1/2.2 / 400
Dimensions (L x W x H) approx.	mm	800 x 600 x 1600
Weight approx.	kg	236

Accessory	Art. no.
Saw blade HSS-DMo5 Ø 350 x 2.5 x 32 mm t4	3653504
Saw blade HSS-DMo5 Ø 350 x 2.5 x 32 mm t6	3653506

Manual circular metal saws

MKS – Manual metal circular saws with one and two speeds as well as mitre swivelling saw head and vice

- ▶ for steel
- ▶ Two cutting speeds
- ▶ Reduction gearbox, low-noise running in oil bath
- ▶ Automatic diaphragm coolant pump with coolant filter as standard
- ▶ Movable safety guard ensures optimum safety when cutting
- ▶ Control handle with safety switch
- ▶ Electrical system in low voltage 24 V,

- with emergency stop switch, main switch, speed selector switch and overload protection
- ▶ Can be swivelled from -45° to +45°
- ▶ Rotatable machine head 45° to the left and 45° to the right
- ▶ Quick-action vice with double clamping device guarantees a precise and burr-free cut.



Quick-action clamping vice can be swivelled 45° to the left and 45° to the right



MKS 250 N



MKS 255 N

- ▶ Double clamping vice, swivelling from -45° to +45° with quick-action clamping



MKS 275 N

Cutting capacity MKS 250 N

	●	○	□	▭
0°	40	70	70 x 70	55 x 95
45°	35	65	55 x 55	55 x 65

Cutting capacity MKS 255 N

	●	○	□	▭
0°	40	70	70 x 70	55 x 95
45°	35	65	55 x 55	55 x 60

Cutting capacity MKS 275 N

	●	○	□	▭
0°	45	80	80 x 80	70 x 100
45°	40	80	70 x 70	70 x 80

Scope of delivery:

- > Coolant system
- > Length stop 500 mm
- > Operating tool
- > without saw blade
- > without base

Model	MKS 250 N	MKS 255 N	MKS 275 N
Art. no.	3620251	3620253	3620275
Technical data			
Rotational speeds	40 min ⁻¹	40–80 min ⁻¹	40–80 min ⁻¹
Spanning width of vice	100 mm	100 mm	105 mm
Saw blade diameter	250 mm	250 mm	275 mm
Inlet height incl. substructure	970 mm	970 mm	970 mm
Motor power ~50 Hz	1.1 kW / 230 V	0.95 / 1.32 kW / 400 V	1.1 / 1.5 kW / 400 V
Dimensions (L x W x H) approx.	800 x 830 x 755 mm	800 x 830 x 755 mm	830 x 900 x 1025 mm
Weight approx.	91 kg	94 kg	98 kg

Accessory	Art. no.
Machine base	3642571
Chipmag (Chip lifter)	3850015
Micro dosing device MD1	3608001
Micro dosing device MD2	3608002
Mounting micro-metering unit	9002000
BIOCUT cutting oil 5 litres	3608020

Saw blade for MKS 250 N / MKS 255 N

HSS-DMo5 Ø250x2x32 mm	
Tooth pitch t4	3652504
Tooth pitch t6	3652506

Saw blade MKS 275 N

HSS-DMo5 DMo5 5x32 mm	
Tooth pitch t4	3652754
Tooth pitch t6	3652756
Tooth pitch t8	3652758

Mounting adapter for roller conveyors MRB standard for MKS 275 N

Adapter standard right 300 mm	Art. no.
Adapter standard right 400 mm	3671209
Adapter standard left 300 mm	3671210
Adapter standard left 400 mm	3671126
Adapter standard left 400 mm	3671127

MKS – Manual metal circular saws for 315 mm saw blade, two speeds, mitre-swivelling saw head and clamping vice

- ▶ Two cutting speeds
- ▶ Rotatable machine head 45° to the left and 45° to the right
- ▶ Reduction gear running in oil bath
- ▶ Automatic diaphragm coolant pump with coolant filter as standard
- ▶ Quick-action vice with anti-burr device, can be swivelled 45° to the left and 45° to the right
- ▶ Clamping vice can be moved longitudinally and is therefore suitable for longitudinal cuts and slitting
- ▶ Movable safety guard ensures optimum safety when cutting
- ▶ Control handle with safety switch
- ▶ Electrical system in low voltage 24 V, with emergency stop switch, main switch, speed selector switch and overload protection

MKS 315 R / MKS 316 R

- ▶ With adjustable slip clutch, which prevents the saw blade from breaking

MKS 316 R

- ▶ Slow speeds make it particularly suitable for processing of stainless steel

Scope of delivery MKS 315 N:

- › Coolant system
- › Length stop 500 mm
- › Operating tool
- › without saw blade
- › without base

Scope of delivery MKS 315 R / MKS 316 R:

- › Coolant device with filter
- › Material support arm with roller
- › Length stop 500 mm
- › Operating tool
- › without saw blade
- › without base





MKS 315 N





MKS 315 R / MKS 316 R

Cutting capacity MKS 315 N

	●	○	□	▭
	55	90	80 x 80	70 x 115
	50	80	70 x 70	70 x 70

Cutting capacity MKS 315 R / 316 R

	●	○	□	▭
	65	90	85 x 85	70 x 120
	60	80	70 x 70	70 x 80

Model	MKS 315 N	MKS 315 R	MKS 316 R
Art. no.	3620303	3621315	3621316
Technical data			
Rotational speeds	40 - 80 min ⁻¹	40 - 80 min ⁻¹	20 - 40 min ⁻¹
Spanning width of vice	120 mm	120 mm	120 mm
Saw blade diameter	Ø 315 mm	Ø 315 mm	Ø 315 mm
Inlet height incl. substructure	1025 mm	1015 mm	1015 mm
Motor power ~50 Hz	1.5 - 2.2 kW / 400 V	1.5 - 2.2 kW / 400 V	1.32 - 1.91 kW / 400 V
Dimensions (L x W x H) approx.	1000 x 1150 x 1475 mm	1000 x 1150 x 1475 mm	1000 x 1150 x 1475 mm
Weight approx.	165 kg	193 kg	193 kg

Accessory	Art. no.
Chipmag (Chip lifter)	3850015
Micro dosing device MD1	3608001
Micro dosing device MD2	3608002
Mounting micro-metering unit	9002000
BIOCUT cutting oil 5 litres	3608020

Saw blade for MKS 315 N/MKS 315 R/MKS 316 R HSS-DM05 Ø 315x2.5x32 mm

Tooth pitch t4	3653154
Tooth pitch t6	3653156
Tooth pitch t8	3653158

Saw blade for stainless steel MKS 316 R HSS-E Ø315x2.5x32 mm

Tooth pitch t4	3653504
Tooth pitch t6	3653506



MKS 350 / MKS 351 – Manual circular metal saws for 350 mm saw blade

MKS 350 H – Semi-automatic version

- ▶ Stable and robust construction
- ▶ Two cutting speeds as standard
- ▶ Machine head can be swivelled 45° to the left and right
- ▶ Reduction gear running in oil bath
- ▶ With diaphragm coolant pump with filter
- ▶ Double vice with counter vice and anti-burr clamping jaws guarantees a precise and burr-free cut
- ▶ Quick-action clamping vice can be swivelled 45° to the left and 45° to the right
- ▶ Movable safety guard ensures optimum safety when cutting

- ▶ Electrical system in low voltage 24 V, with emergency stop switch, main switch, speed selector switch and overload protection
- ▶ Control handle with safety switch

MKS 350 H

- ▶ Clamping vice can be moved longitudinally and is therefore suitable for longitudinal cuts and slitting

MKS 351

- ▶ Slow speeds make it particularly suitable for processing of stainless steel

How the MKS 350 H semi-automatic machine works

- ▶ Activation of the motor and closing the vice
- ▶ Lowering the saw head for cutting
- ▶ Return of the saw head to its starting position and stopping of the motor
- ▶ Opening of the vice



MKS 350 / MKS 351



MKS 350 H

Scope of delivery

MKS 350 / MKS 351:

- > Coolant system
- > Length stop 500 mm
- > Operating tool
- > without saw blade
- > without base

Scope of delivery MKS 350 H:

- > Coolant system
- > Length stop 500 mm
- > Operating tool
- > Machine base
- > without saw blade

Cutting capacity

	●	○	□	▭
	60	110	100 x 100	80 x 120
	55	80	80 x 80	80 x 80

Model	MKS 350	MKS 351	MKS 350 H
Art. no.	3621350	3621351	3620352

Technical data	MKS 350	MKS 351	MKS 350 H
Rotational speeds	40 - 80 min ⁻¹	20 - 40 min ⁻¹	40 - 80 min ⁻¹
Spanning width of vice	120 mm	120 mm	120 mm
Saw blade diameter	Ø 350 mm	Ø 350 mm	Ø 350 mm
Inlet height incl. substructure	1025 mm	1025 mm	1040 mm
Motor power ~50 Hz	1.8 - 2.4 kW / 400 V	1.5 - 2.2 kW / 400 V	1.8 - 2.4 kW / 400 V
Dimensions (L x W x H) approx.	1000 x 1200 x 1475 mm	1000 x 1200 x 1475 mm	1000 x 1200 x 1475 mm
Weight approx.	231 kg	231 kg	280 kg

Accessory	Art. no.
Machine base	3642571
Chipmag (Chip lifter)	3850015
Micro dosing device MD1	3608001
Micro dosing device MD2	3608002
Mounting micro-metering unit	9002000
BIOCUT cutting oil 5 litres	3608020

Saw blade

HSS-DMo5Ø 350 x 2.5 x 32 mm	
Tooth pitch t4	3653504
Tooth pitch t6	3653506

Saw blade for stainless steel for MKS 351

HSS-E Ø 315x2.5x32 mm	
Tooth pitch t4	3653514
Tooth pitch t6	3653516

Mounting adapter for roller conveyors MRB Standard for MKS 350

300 mm adapter standard left	3671119
400 mm adapter standard left	3671120
300 mm adapter standard right	3671219
400 mm adapter standard right	3671220

LMS 400 / LMS 400 P - Light metal circular saws for cutting solid material and profiles made of aluminium and light metal alloys

- ▶ Saw head can be rotated by 45° on both sides
- ▶ Saw head can be tilted by 45° to the left for a mitre cut
- ▶ Turntable and saw shaft mounted on bearings
- ▶ Stable and robust construction
- ▶ Precise cut
- ▶ Quick-action vices with plastic-coated aluminium jaws
- ▶ Simple and trouble-free operation
- ▶ Manual version

LMS 400
▶ Two hand vices

LMS 400 P
▶ Two pneumatic vices
▶ Control handle with safety switch

Functionality of the semi-automatic machine

- ▶ Closing the vice and activating the motor
- ▶ Lowering the saw head for cutting
- ▶ Motor stops and saw head returns to the starting position
- ▶ Opening of the vice

*LMS 400
with optional
accessories base unit
(Art. no. 3643171)*



*LMS 400 P
with optional accessory:
Substructure (Art. no. 3643171)
Universal trolley (art. no. 6190300)*

Scope of delivery:

- > Length stop 500 mm
- > Operating tool
- > without saw blade
- > without base

Cutting capacity LMS 400 / LMS 400 P

	●	○	□	▭
	60	140	110 x 110	100 x 180
	60	130	100 x 100	100 x 150

Model		LMS 400	LMS 400 P
Art. no.		3625400	3625402

Technical data			
Rotational speeds	min ⁻¹		3000
Spanning width of vice	mm		180
Saw blade diameter	mm		400
Motor power ~50 Hz	kW/V		2.2/ 400V
Dimensions (L x W x H) approx.	mm		1500 x 1000 x 900
Weight approx.	kg		160

Accessory	Art. no.
Machine base	3642571
Chipmag (Chip lifter)	3850015
Micro dosing device MD1	3608001
Micro dosing device MD2	3608002
Mounting micro-metering unit	9002000
BIOCUT cutting oil 5 litres	3608020

Saw blade	
HM Ø 400 x 4.0 x 32 mm	
Tooth pitch Z96	3654048



Micro dosing device MD1



Micro dosing device MD2



MKS 315 V – Manual vertical metal circular saw for 315 mm saw blade

MKS 350 V – Manual vertical metal circular saw for 350 mm saw blade

MKS 316 V – Version with lower speed for sawing stainless steel

- ▶ Stable and robust construction
- ▶ Simple and trouble-free operation
- ▶ Two cutting speeds
- ▶ Machine head guided vertically, with dovetail guide and adjustable wedge bar, can be swivelled 45° to the left and 60° to the right, with locking mechanism at -45°, 0°, -45°, 60°
- ▶ Adjustable depth stop for the vertical stroke of the saw head
- ▶ Reduction gearbox low-noise running in oil bath
- ▶ Coolant pump with coolant filter
- ▶ Coolant jet distribution for better lubrication of the saw blade
- ▶ Transversely adjustable vice with anti-burr device
- ▶ Chip breaker for blade cleaning
- ▶ Electrical system in low voltage 24 V, with emergency stop switch, main switch, speed selector switch and overload protection
- ▶ Control handle with safety switch

Accessory



Chip removal device "Chipmag"

- ▶ For removing magnetic metal chips
- ▶ For cleaning and collecting small magnetic parts

Art. Art. no. 3850015

Scope of delivery:

- > Coolant device with filter
- > Material support arm with roller
- > Length stop 500 mm
- > Operating tool
- > Chip clearer T4
- > without saw blade



Cutting capacity MKS 315 V, 316 V

	●	○	□	▭
0°	70	100	90 x 90	80 x 135
45°	70	100	90 x 90	80 x 100
45°	70	100	90 x 90	80 x 100
60°	70	80	70 x 70	70 x 70

Cutting capacity MKS 350 V

	●	○	□	▭
0°	100	120	90 x 90	90 x 170
45°	100	120	90 x 90	90 x 125
45°	100	120	90 x 90	90 x 125
60°	90	90	90 x 90	90 x 90

Model	MKS 315V	MKS 316V	MKS 350V
Art. no.	3622315	3622316	3622350

Technical data	MKS 315V	MKS 316V	MKS 350V
Rotational speeds	33 - 66 min ⁻¹	17 - 34 min ⁻¹	36 - 72 min ⁻¹
Spanning width of vice	160 mm	160 mm	185 mm
Saw blade diameter	Ø 315 mm	Ø 315 mm	Ø 370 mm
Inlet height incl. substructure	910 mm	910 mm	905 mm
Motor power ~50 Hz	1.3 - 1.8 kW / 400 V	1.3 - 1.8 kW / 400 V	1.9 - 2.5 kW / 400 V
Dimensions (L x W x H) approx.	1500 x 650 x 1700 mm	1500 x 650 x 1700 mm	1050 x 1000 x 1850 mm
Weight approx.	270 kg	270 kg	450 kg

Accessory	Art. no.
Chipmag (Chip lifter)	3850015
Micro dosing device MD1	3608001
Micro dosing device MD2	3608002
Mounting micro-metering unit	9002000
BIOCUT cutting oil 5 litres	3608020

Saw blade for MKS 315 V / MKS 316 V

HSS-DM05 Ø 315x2.5x32 mm

Tooth pitch t4	3653154
Tooth pitch t6	3653156
Tooth pitch t8	3653158

Saw blade for stainless steel for MKS 316 V

HSS-E Ø 315x2.5x32 mm

Tooth pitch t4	3653254
Tooth pitch t6	3653256

Saw blade for MKS 350 V

HSS-DM05 Ø 350x2.5x32 mm

Tooth pitch t4	3653504
Tooth pitch t6	3653506
Tooth pitch t8	3653508
Tooth pitch t10	3653510

Chip clearer for Ø 315 mm, 350 mm

051/24 Tooth pitch t4	03620512404
051/24 Tooth pitch t6	03620512406
051/24 Tooth pitch t8	03620512408
051/24 Tooth pitch t10	03620512410

MKS 315 VH – Semi-automatic vertical metal circular saw for 315 mm saw blade MKS 350 VH – Semi-automatic vertical metal circular saw for 350 mm saw blade

- ▶ Stable and robust construction
- ▶ Simple and trouble-free operation
- ▶ Two cutting speeds
- ▶ Machine head guided vertically, with dovetail guide and adjustable wedge bar, can be swivelled 45° to the left and 60° to the right, with locking mechanism at -45°, 0°, -45°, 60°
- ▶ Adjustable depth stop for the vertical stroke of the saw head
- ▶ Reduction gearbox low-noise running in oil bath

- ▶ Coolant pump with coolant filter
- ▶ Coolant jet distribution for better lubrication of the saw blade
- ▶ Transversely adjustable pneumatic quick-clamping vice with anti-burr device
- ▶ Chip breaker for blade cleaning
- ▶ Electrical system in low voltage 24 V, with emergency stop switch, main switch, speed selector switch and overload protection

Semi-automatic function

- ▶ Vice closes and motor is activated
- ▶ Lowering the saw head for cutting
- ▶ Motor stops and saw head returns to the starting position
- ▶ Opening of the vice



MKS 315 VH



MKS 350 VH

Scope of delivery:

- > MKS 315: Material support arm with roller
- > MKS 350: Material roller conveyor 1000 mm
- > Length stop 500 mm
- > Operating tool
- > Chip clearer T4
- > without saw blade
- > Coolant device with filter

Cutting capacity MKS 315 VH

	●	○	□	▭
0°	70	100	90 x 90	80 x 135
45°	70	100	90 x 90	80 x 100
45°	70	100	90 x 90	80 x 100
60°	70	80	70 x 70	70 x 70

Cutting capacity MKS 350 VH

	●	○	□	▭
0°	100	120	90 x 90	90 x 170
45°	100	120	90 x 90	90 x 125
45°	100	120	90 x 90	90 x 125
60°	90	90	90 x 90	90 x 90

Model	MKS 315 VH	MKS 350 VH
Art. no.	3623315	3623350
Technical data		
Rotational speeds	33 - 66 min ⁻¹	36 - 72 min ⁻¹
Spanning width of vice	160 mm	185 mm
Saw blade diameter	Ø 315 mm	Ø 370 mm
Inlet height incl. substructure	910 mm	905 mm
Motor power ~50 Hz	1.3 - 1.8 kW / 400 V	1.9 - 2.5 kW / 400 V
Dimensions (L x W x H) approx.	1500 x 650 x 2000 mm	2640 x 1200 x 2000 mm
Weight approx.	300 kg	480 kg

Accessory	Art. no.
Chipmag (Chip lifter)	3850015
Micro dosing device MD1	3608001
Micro dosing device MD2	3608002
Mounting micro-metering unit	9002000
BIOCUT cutting oil 5 litres	3608020

Saw blade for MKS 315 VH

HSS-DM05 Ø 315x2.5x32 mm	
Tooth pitch t4	3653154
Tooth pitch t6	3653156
Tooth pitch t8	3653158

Saw blade for MKS 350 VH

HSS-DM05 Ø 350x2.5x32 mm	
Tooth pitch t4	3653504
Tooth pitch t6	3653506
Tooth pitch t8	3653508
Tooth pitch t10	3653510

Chip clearer for Ø 315 mm, 350 mm

051/24 Tooth pitch t4	03620512404
051/24 Tooth pitch t6	03620512406
051/24 Tooth pitch t8	03620512408
051/24 Tooth pitch t10	03620512410

Automatic vertical metal circular saws

MKS 315 VA - Automatic hydropneumatic vertical metal circular saw with CNC control

- ▶ Stable and robust construction
- ▶ Simple and intuitive operation
- ▶ Two cutting speeds
- ▶ Machine head guided vertically, with dovetail guide and adjustable wedge bar, can be swivelled 45° to the left and 60° to the right, with locking mechanism at 45°, 0°, -45°, 60°
- ▶ Adjustable depth stop for the vertical stroke of the saw head
- ▶ Reduction gearbox low-noise running in oil bath
- ▶ Coolant pump with coolant filter
- ▶ Coolant jet distribution for better lubrication
- ▶ Transversely adjustable pneumatic quick-action vice with anti-burring device
- ▶ T6 chip breaker for blade cleaning
- ▶ Electrical system in low voltage 24 V, with emergency stop switch, main switch, speed selector switch and overload protection
- ▶ The control system has 49 programmes, each with 99 possible individual steps.
- ▶ How the machine works
- ▶ Material feed
- ▶ Vice closes and motor is activated
- ▶ Activation of the coolant pump
- ▶ Lowering the saw head for cutting
- ▶ Return of the feed carriage up to the specified level
- ▶ Return of the saw head to the starting position
- ▶ Opening of the vice
- ▶ Cycle repetition



MKS 315 VA



Transversely adjustable pneumatic quick-action vice

Cutting capacity MKS 315 VA

	●	○	□	▭
0°	70	100	90 x 90	80 x 120
45°	70	90	80 x 80	80 x 80
45°	70	90	80 x 80	80 x 80
60°	70	80	70 x 70	80 x 70

Scope of delivery:

- > Machine base
- > Coolant device with filter
- > Material roller conveyor 1000 mm
- > Operating tool
- > Operating instructions
- > Chip clearer T4
- > without saw blade

Model	MKS 315 VA
Art. no.	3624315
Technical data	
Rotational speeds	33 - 66 min ⁻¹
Feed	600 mm
Machine vice span	120 mm
Saw blade diameter	Ø 315 mm
Motor power ~50 Hz	1.3 - 1.8 kW / 400 V
Dimensions (L x W x H) approx.	2500 x 1000 x 2000 mm
Weight approx.	550 kg

Accessory	Art. no.
Chipmag (Chip lifter)	3850015
Micro dosing device MD1	3608001
Micro dosing device MD2	3608002
Mounting micro-metering unit	9002000

Saw blade	
HSS-DMo5 Ø 315 x 2.5 x 32 mm	
Tooth pitch t4	3653154
Tooth pitch t6	3653156
Tooth pitch t8	3653158

Chip clearer for Ø 315.350 mm	
051/24 Tooth pitch t4	03620512404
051/24 Tooth pitch t6	03620512406
051/24 Tooth pitch t8	03620512408
051/24 Tooth pitch t10	03620512410

MKS 350 VA – Automatic hydraulic vertical metal circular saw with CNC control

- ▶ Stable and robust construction
- ▶ Simple and intuitive operation
- ▶ The control system has 49 programmes, each with 99 possible individual steps.
- ▶ Two cutting speeds
- ▶ Machine head guided vertically, with dovetail guide and adjustable wedge bar, can be swivelled 45° to the left and 45° to the right, with locking mechanism at 45°, 0°, -45°
- ▶ Adjustable depth stop for the vertical stroke of the saw head

- ▶ Reduction gearbox, low-noise running in oil bath
- ▶ Coolant pump with coolant filter
- ▶ Coolant jet distribution for better lubrication
- ▶ Transversely movable hydraulic quick-clamping vice with anti-burring device
- ▶ T6 chip breaker for blade cleaning
- ▶ Low-voltage 24-volt electrical system with emergency stop switch, main switch, speed selector switch, low-voltage release and overload protection

How the machine works

- ▶ Material feed
- ▶ Closing the vice and activating the motor
- ▶ Activation of the coolant pump and lowering of the saw head for cutting
- ▶ Return of the feed carriage up to the specified level
- ▶ Return of the saw head to the starting position
- ▶ Opening of the vice
- ▶ Cycle repetition





MKS 350 VA

Scope of delivery:

- › Machine base
- › Coolant device with filter
- › Material roller conveyor 1000 mm
- › Operating instructions
- › Chip clearer T4
- › without saw blade

Cutting capacity MKS 350 VA

	●	○	□	▭
	100	130	120 x 120	100 x 170
	100	130	110 x 110	100 x 140

Model	MKS 350 VA
Art. no.	3624350

Technical data	
Rotational speeds	25/50 min ⁻¹
Feed	600 mm
Machine vice span	185 mm
Saw blade diameter	Ø 350 mm
Motor power ~50 Hz	1.9 - 2.5 kW / 400 V
Dimensions (L x W x H) approx.	3500 x 1200 x 1900 mm
Weight approx.	900 kg

Accessory	Art. no.
Chipmag (Chip lifter)	3850015
Micro dosing device MD1	3608001
Micro dosing device MD2	3608002
Mounting micro-metering unit	9002000

Saw blade HSS-DMo5 Ø 350x2.5x32 mm	
Tooth pitch t4	3653504
Tooth pitch t6	3653506
Tooth pitch t8	3653508
Tooth pitch t10	3653510

Saw blade HSS-DMo5 Ø 350x3.0x32 mm	
Tooth pitch t6	3653706

Chip clearer for Ø 315.350 mm	
051/24 Tooth pitch t4	03620512404
051/24 Tooth pitch t6	03620512406
051/24 Tooth pitch t8	03620512408
051/24 Tooth pitch t10	03620512410



LMS 400 A – Automatic light metal circular saw for cutting solid material and profiles made of aluminium and light metal alloys

- ▶ Stable and robust construction
- ▶ Simple and intuitive operation
- ▶ Precise cut
- ▶ Turntable mounted on bearings
- ▶ Three pneumatic quick-action vices with Teflon clamping jaws

How the vending machine works

- ▶ Material feed
- ▶ Vice closes and motor is activated
- ▶ Activation of the coolant pump
- ▶ Lowering the saw head until the cut is complete

- ▶ Return of the feed carriage up to the specified level
- ▶ Return of the saw head to the starting position
- ▶ Opening of the vice
- ▶ Cycle repetition



Scope of delivery:

- > Length stop 1000 mm
- > Operating tool
- > without saw blade

Cutting capacity

	●	○	□	▭
	60	140	110 x 110	100 x 180

Model	LMS 400A
Art. no.	3625404

Technical data	
Rotational speeds	3000 min ⁻¹
Feed	900 mm
Spanning width of vice	180 mm
Saw blade diameter	400 mm
Inlet height inclusive machine base	910 mm
Motor power ~50 Hz	2.2 kW / 400 V
Dimensions (L x W x H) approx.	3800 x 1600 x 1700 mm
Weight approx.	510 kg

Saw blade HM Ø 400 x 4.0 x 32 m	Art. no.
Tooth pitch t96	3654048

Accessory	
Micro dosing device MD1	3608001
Micro dosing device MD2	3608002
Mounting micro-metering unit	9002000

¹⁾Price excluding installation on the saw



ULMS – Semi-automatic underfloor light metal circular saws with rising blade

- ▶ For cutting aluminium, light metal alloys, thermosetting plastics and wood
- ▶ Cutting at mitre angle $\pm 45^\circ$
- ▶ Infinitely variable saw blade feed rate
- ▶ Pneumatic vertical and horizontal clamping with 4 clamping vices
- ▶ Starting the sawing process with two-hand control
- ▶ Integrated minimum quantity lubrication
- ▶ High work safety due to sawing process with closed bonnet (equipped with contact switch)



ULMS 600 with accessories (art. no. 3628009)
Roller conveyor with length stop and manual measuring system with mm scale



ULMS 420

Note
If required, you can find corresponding cut diagrams at www.metalkraft.de

Scope of delivery:

- > 2 x saw blades:
420 x 30 x 4 mm Z120 (ULMS 420)
500 x 30 x 4 mm Z120 (ULMS 500)
600 x 30 x 4 mm Z144 (ULMS 600)
- > Operating tool
- > Coolant tank
- > Compressed air gun
- > Spiral hose

Cutting capacity ULMS 420

	120 x 120
	100 x 100

Cutting capacity ULMS 500

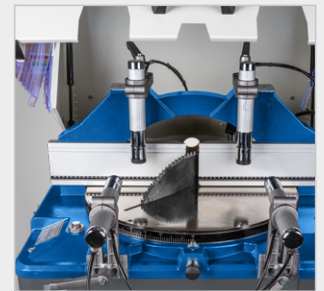
	155 x 155
	130 x 130

Cutting capacity ULMS 600

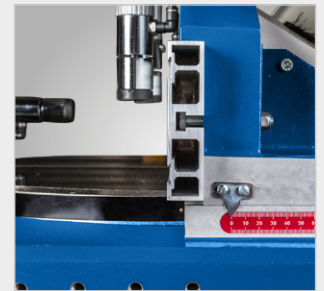
	195 x 195
	180 x 180

Model	ULMS 420	ULMS 500	ULMS 600
Art. no.	3627420	3627500	3627600

Technical data	ULMS 420	ULMS 500	ULMS 600
Saw blade speed	2900 min ⁻¹	2347 min ⁻¹	2193 min ⁻¹
Saw blade diameter	420 mm	500 mm	600 mm
Cutting angle		-67.5 / -45 / -30 / -22.5 / -15 / 0 / 15 / 22.5 / 30 / 45 / 67.5	
Pneumatic operating pressure	6 – 8 bars	6 – 8 bars	6 – 8 bars
Air requirement	38 l/min	38 l/min	58 l/min
Working height	900 – 920 mm	–	1015 – 1030
Suction nozzle Ø	2 x 100 mm	2 x 100 mm	2 x 100 mm
Sound pressure level	92 dB(A)	92 dB(A)	92 dB(A)
Motor power ~50 Hz	3 kW / 400 V	3 kW / 400 V	3kW / 400 V
Dimensions (L x W x H) approx.	795 x 1080 x 1325 mm	855 x 1135 x 1360 mm	945 x 1230 x 1675 mm
Weight approx.	199 kg	229 kg	331 kg
Standards	DIN EN 60974-10 / DIN EN IEC 60974-1, EMC class A		



With four pneumatic clamping cylinders as standard



Infinitely adjustable stop



Stepless adjustment of the mitre angle

Info & Video



Roller conveyor with length stop and manual measuring system with mm scale

	Art. no.
(ULMS 420 & 500) 3m roller conveyor	3628003
(ULMS 420 & 500) 6m roller conveyor	3628006
(ULMS 600) 3m roller conveyor	3628009

Saw blade accessories

	Art. no.
420 x 30 x 4mm Z96	3628041
500 x 30 x 4mm Z120	3628050
600 x 30 x 4mm Z140	3628055

The right clean air deduster can be found in our **HOLZKRAFT**

minimax si 4 - 400 / 26 ALU

Professional sliding table saw with swivelling saw blade and sliding table made of anodised aluminium, specially designed for working with aluminium and plastic



- ▶ Solid worktable made of heavily ribbed grey cast iron - for maximum stability and durability
- ▶ Robust base frame made of welded steel – guarantees high torsional rigidity and vibration-free operation
- ▶ Precise sliding carriage made of anodised aluminium – smooth running thanks to high-quality ball contact system
- ▶ Carbide guideways - for lasting precision and minimal maintenance
- ▶ Swivelling grey cast iron saw unit with double segment guide – precise zero-point swivelling for maximum cutting accuracy
- ▶ Solid rip fence with round bar guide
- ▶ Equipped with sliding eccentric clamping device
- ▶ Integrated angle cutting device on the sliding carriage - for fast and precise mitre cuts
- ▶ Equipped with high-quality edging frame with solid telescopic fence, integrated roller for easy loading and unloading, inclined scale for easy reading and practical eccentric clamp for secure hold
- ▶ Saw blade speed adjustable in two stages
- ▶ On/off switch integrated in the sliding carriage
- ▶ Suitable for cutting aluminium and plastic
- ▶ Micro-lubrication of the saw blade during machining
- ▶ Practical saw blade pendulum guard



Model	minimax si 4 - 400 / 26 ALU
Article no.	5504950
Technical data	
Table dimensions (L x W x H)	1000 x 560 x 900 mm
Trimming length max.	2600 mm
Sliding carriage table dimensions (L x W x H)	360 x 175 x 2600 mm
Cutting height max. 90°/45°	138 / 98 mm
Cutting width to the left of the saw blade max.	3260 mm
Cutting width with rip fence	1270 mm
Inclination of the saw blade	90° – 46°
Saw blade Ø max.	400 mm
Main saw blade speed	3500/ 5000 min ⁻¹
Suction port	Ø 120 mm
Saw blade guard suction nozzle Ø	Ø 60 mm
Motor power ~50 Hz / S6 - 40%	7 kW / 400 V
Weight approx.	700 kg
Transport width	990 mm

Equipment
• Anodised aluminium size sliding carriage
• Material roller on the extension arm
• Saw rip fence with round bar guide
• Table extension / widening
• Folding stops
• Trimming shoe
• Eccentric clamp
• Handle for sliding carriage
• Saw blade pendulum guard



On wear and tear of the swivel segment guide



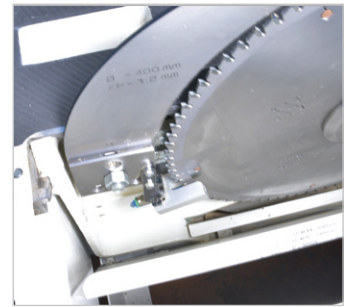
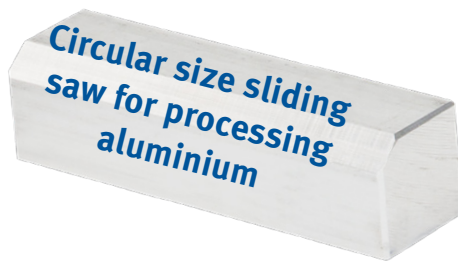
Aluminium sliding carriage

- ▶ With proven ball contact system
- ▶ Insensitive to dust and dirt due to minimum contact point between ball and trapezoidal rail
- ▶ Ten-year HOLZKRAFT guarantee on wear of the hardened guideways
(Warranty conditions can be requested at www.stuermer-maschinen.de or from Stürmer Maschinen GmbH)



Machine control

- Manual height adjustment and swivelling of the saw unit using a hand wheel
- On/off switch for the micro-spray device



Optimum cooling

- Micro-spray device directly on the saw blade



The matching clean air dust extractors RLA 1601 P & RLA 2001 P can be found in our Holzskraft catalogue page HK 78



Micro-dosing device

- Extra large lubricant container
- Separate air and spray agent supply, thus no dripping

ACCESSORY



- 2 Suction system connection set 1** for suction nozzle Ø on saw blade guard 60 mm includes:
- ABC branch fitting Ø 140/120/58 mm
 - Hose connector Ø 58 mm and Ø 120 flared on one side
 - Flared pipe clamp Ø 120 mm and Ø 58 mm
 - 2 hose clamps, Ø 110–130 mm
 - 2 hose clamps, Ø 40–60 mm
 - 2.5 m polyurethane hose, nominal width 120 mm
 - 5 m polyurethane hose, nominal width 60 mm



2 Accessory trolley minimax ease

- Enables the storage of a wide range of accessories such as Dressing fence, telescopic ruler, ...
- Upper table with Bakelite surface, which can also be used as a workpiece support during the machining phase

Accessory	Article no.
Saw blade HM Ø 400 x 4.0 x 30 mm Z72 positive	3650400
Accessory trolley minimax ease	5510010
Suction system - connection - set 1	5146060