# FOR PROS WITH PROFILE.

Every Metabo is checked thoroughly before leaving our factory. This precision pays off for our customers, especially with routers and planers. Their areas of application require absolute precision. Adjustments, trimming or dressing jobs demand precision to the millimetre. With routers, the safety aspect is also of importance. Good for whoever relies on Metabo. Work. Don't play.







# **COMMON FEATURES**

- Sturdy 2-column guide
- Robust plastic-covered aluminum die cast bearing flange
- Hardened and ground interchangeable collect chuck for precise concentricity of tools
- Spindle lock for easy router bit change
- Very suitable for moulding/routing heat-sensitive materials and plastics

- Thumbwheel for preselection of speed
- Turn the machine on and off without releasing the handle

- Aluminum die cast base plate with coating for easy sliding
- Parallel guide/ripping fence guided in prisms
- Auto-stop carbon brushes
- External dust extraction outlet



	710 Watt Electronic Router OFE 738	1200 Watt Electronic Router Of E 1229 Signal	1800 Watt Electronic Router Of E 1812	
Special advantages				
<ul> <li>Dial gauge for fine tuning the moulding/</li> </ul>		•		
routing depth with 0.1. mm precision				
■ Three-level stop to preselect up to		•	•	
3 different moulding/routing depths				
<ul> <li>Vario Constamatic (VC) full-wave</li> </ul>	•			
electronics				
<ul> <li>Vario Tacho Constamatic (VTC) full-wave</li> </ul>		•	•	
electronics				
<ul> <li>Overload protection</li> </ul>		•		
<ul> <li>Precise parallel guide/ripping fence</li> </ul>		•	•	
guided in prisms with fine adjustment				
<ul><li>Can also be used in combination with</li></ul>	•	•		
the precision guide rail 6.31213				
<ul> <li>Bayonet fitting of motor section</li> </ul>	•			
in moulding/routing adapter				
<ul> <li>Motor section suitable for actuating</li> </ul>	•			
flexible shafts				
<ul> <li>Motor section for fixed use in</li> </ul>	•			
routing-drilling stand 700				
Comparative device characteristics				
Maximum stroke height	50 mm	50 mm	80 mm	
No load speed	10.000 - 27.000 /min	5.000 - 25.500 /min	8.000 - 22.000 /min	
Rated input power	710 W	1.200 W	1.800 W	
Output power	430 W	780 W	1.200 W	
Rated load speed	19.500 /min	25.500 /min	22.000 /min	
Collet bore of collet chuck	8 mm	8 mm	12 mm	
Weight (without mains cable)	3 kg	3,4 kg	5,1 kg	
Standard equipment	Parallel guide/ripping fence,	Dial gauge for fine adjustment,	Fine adjustment parallel guide/	
	extraction connector,	fine adjustment parallel guide/	ripping fence, extraction	
	open-jawed spanner	ripping fence, extraction	connector, open-jawed spanner	
		connector, open-jawed spanner		
Type	OFE 738	Of E 1229 Signal	Of E 1812	
Order no.	6.00738	6.01229 <b>=</b>	6.01812	
Order no.	0.00730	0.01223	0.01012	

# **EQUIPMENT FEATURES**

- Robust plastic-covered aluminum die cast bearing flange
- Hardened and ground interchangeable collect chuck for precise concentricity of tools
- Vario Constamatic (VC) full-wave electronics
- Thumbwheel for preselection of speed
- Auto-stop carbon brushes

- Motor section for fixed use in routing-drilling stand 700
- Suitable for actuating flexible shafts



	710 Watt Electronic Router and Grinder Motor FME 737
Comparative device characteristics	10 000 07 000 /
No load speed	10.000 - 27.000 /min 710 W
Rated input power	
Output power	430 W
Rated load speed	19.500 /min
Collet bore of collet chuck	8 mm
Weight (without mains cable)	1,4 kg
Standard equipment	2 open-jawed spanner
Type Order no.	FME 737 6.00737

Collets		
	Collet bore	Order no.
	For OFE 738, Of E 1229 Signal, FME737 and die grinders	
	3 mm	6.31947
	1/8" (3.18 mm)	6.31948
	6 mm	6.31945
	1/4" (6.35 mm)	6.31949
	8 mm	6.31946
m	For Of E 1812	
	6 mm	6.31565
	1/4" (6.35 mm)	6.31566
	8 mm	6.31567
	3/8" (9.53 mm)	6.31568
	10 mm	6.31571
	12 mm	6.31569
	1/2" (12.7 mm)	6.31570

Accessories for router Of E 1812					
		Order no.			
	Socket driver /connector With shaft Ø 12 mm and thread M 12 x 1 for router bits with M 12 x 1 female thread	6.31574			
\$	Circle-cutting centering pin For inserting in one of the bars of the router's parallel guide/ripping fence, for milling circular grooves and similar work	6.31573			
Q	Template followers ■ For engraving text etc. using a template clamped on to the workpiece with guide bush				
	Diameter: 17 mm	6.31575			
	Diameter: 24 mm	6.31576			
	Diameter: 27 mm	6.31577			
	Diameter: 30 mm	6.31578			
	Diameter: 40 mm	6.31579			

FOR OFE 738 AND O	FE 1229 SIGNAL			Order no.
	Parallel guide Parallel guide/ ripping fence with fine adjustment for routers OFE 738 and Of E 1229 Signal (supplied as standard)	Order no. 6.31507	Precision guide rail  Clean-cut edges with no splintering thanks to the guide rail's plastic-extrusion strip edging – even with bevel cuts up to 45°  Guide rail made of	6.31213
	Guide with guide roller For fitting on the parallel guide/ripping fence of routers OFE 738 and Of E 1229 Signal, for moulding/routing curved edges  Circle-cutting	6.30360	sturdy, anodised Aluminium extrusion  Anti-slip backing provides safe and reliable support and protects the workpiece surface against scratches  Guide rule,	
_	centering pin For using in the parallel guide/ ripping fence of routers OFE 738 and Of E 1229 Signal,		adjustable to eliminate play Overall length: 1.500 mm  Router guide For these tasks	6.31248
	for milling circular grooves and similar work Mitre guide	6.30103	the 6.31503 intermediate plate must be fitted to the router's base plate Enables moulding/ routing with routers	
	<ul> <li>Provides particularly good guidance for the routers OFE 738 and Of E 1229 Signal when working on the edges of boards and panels, (e.g. for cutting</li> </ul>		OFE 738 and Of E 1229 Signal along the precision guide rail 6.31250/ 6.31213	
	recesses for furniture fittings and mortise locks, or grooves for tongued edging strips)		Metabox IV Metabox IV for Of E 1229 Signal Dimensions: 395 x 295 x 315 mm	6.24620
	Intermediate plate ■ For fixing on the base plate of routers OFE 738 and Of E 1229 Signal, especially suited for trimming edging	6.31503	FOR OFE 738 AND OFE 1229 SIGNAL	
	strips flush with edges			Order no.
	Circle-cutting guide ■ For cutting out round openings, moulding/routing circular grooves, rounding off corners, etc., maximum circle diameter 350 mm	6.31505	Flexible shaft  Suitable for speeds of 7 500 to 30 000 rpm  Bearing-mounted at both ends  Equipped with collet for size 8 mm, 6.30979  Length: 1,3 m Driving shaft: 8 mm	6.30980
450	Template followers	6 20105	Collet bore: 8 mm	
	Diameter: 9 mm	6.30105 6.30106	Weight: 0,8 kg	
			Collets for flexible shaft 30980	
	Diameter: 17 mm	6.30118	Collet bore: 3 mm	6.30976
	Diameter: 24 mm	6.30119	Collet bore: 6 mm	6.30977
	Diameter: 27 mm	6.30120	Collet bore: 1/4" (6.35 mm)	6.30978
	Diameter: 30 mm	6.30121	Collet bore: 8 mm	6.30979

Order no. 0910064304

Order no.

0910064371

æ



		Order no.
	Flexible shaft  Suitable for speeds of 20,000 to 30 000 rpm  Bearing-mounted at both ends  Equipped with collet for size 6 mm, 6.30714  To drive the flexible shaft 6.27609 using the router's motor unit, the 8-mm collet on the tool must be replaced with the 6-mm collet 6.31945  Length: 1,3 m  Driving shaft: 6 mm  Collet bore: 6 mm  Weight: 0,8 kg	6.27609
===	Collets for flexible shaft 27609	
	Collet bore: 6 mm	6.30714
	Collet bore: 3 mm	6.30715
	Collet bore: 1/4" (6.35 mm)	6.30716
	■ For clamping the router motor when working with the flexible shafts ■ Locating bore Ø 43 mm	6.27354
fi	Clamp ■ For the secure fitting on a work table	6.27107

# **FOR FME 737**

		Order no.
III a	Moulding/routing	6.31501
	attachment	
	for FME 737	
1000	With this moulding/	
- Land	routing attachment,	
3	router and grinder	
	motor FME 737	
	can be converted	
	into a router	

## Work benches



- For the stationary use of Metabo jig saws, routers and circular saws (when using appropriate accessories)
- With foldable stand and height adjustment
- Sturdy steel construction and a large table top made from continuous strand casting

# Special accessories for Flexo 500



0910064380 For OFE 738, Of E 1229 Signal, Weight around 2.5 kg



Chip and dust extraction unit Extraction at two points: at chip box and at the top on the guard

■ Clear view of the work piece ■ Cleaner working

Extraction nozzle Ø: 100 mm

environment

Length of rule: 250 mm

■ Angle area: +/- 60°

# Mitre guide 0910064410

WOOD SANDING MACHINES

## PRECISION AT THE EXTREME.

best from your router do not sacrifice on the cutters. Metabo cutters are of a high standard, manufactured by tooling specialists with many years of experience and

Precision cuts require precision tooling. If you want the by machines that can produce repeat profiles time and time again. Metabo router bits will give you what you need to perform clean, smooth, consistent cuts in safety.

#### Structure and function of Metabo routers



#### **Cutting tools**

The specification of the cutting tool material by the manufacturer is decisive for the quality of the cutter. Only top quality alloys of faultless structural consistence can meet the demands for a long service life. Selection and control of the cutting tools have high priority at Metabo.

#### **HSS-tools**

Ideal for use on soft woods, with reasonable life when processing hard-wood. Good price to performance ratio.

#### **HM-routers**

Ideal for use on hardwoods, kitchen worktops, and laminate boards. Various HM-qualities are processed and are matched to the cutters main application. Metabo also takes great care in the structural consistence of its hard-metal type cutters.

## Shank

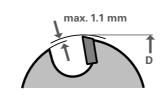
The drive shaft of the machine, collet and cutter shaft form a unit. The more accurate the individual components, the higher the possible accuracy of the router set.

To ensure a safe seat of the cutter in the collet, all cutter-shanks of the Metabo cutters are ground to a tol. of -0.005 to -0.020 mm. The minimum clamping length on each cutter shank is 20 mm and the shank-ends are all chamfered.



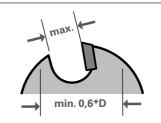
# Machine prerequisites

Only good spindle bearing seats, the optimal selection of clamping collets and the choice of the correct cutting speeds (dependent on spindle speed and cutter diameter) can bring forth the advantages of top quality cutters.



# Safety standards

SIt goes without saying that all Metabo cutters comply with the German safety standards (BG-test model: Limitation



of chip thickness and gap) allow the user an optimal protection against injuries.

Order no.

6.30949

6.30974

6.31645 6.31646 6.31647 6.31648

6.30998 6.30948

6.31641 6.31642 6.31643

6.31644

6.30957

6.30958 6.30959

6.31640

Router bi		mm shank		table for			Version	Dia- meter mm	Overall length mm	Usable length mm	Radius	Angle
free-hand wo				FE 738			Beading bi	t				
Version	Dia- meter mm	Overall length mm	Usable length mm	Radius	Angle	Order no.						
Straight bit												
							HSS Beading bi with pilot	15,5 <b>ts</b>	40	10	5	
HSS	3	45	6			6.30930	HSS	27,8	52	16	9,5	
HSS	4	47,5	9,5			6.30931	Beading bi		52	10	3,3	
HSS	5	48,5	11,5			6.30932	ball bearing					
HSS	6	48,5	16			6.30933		Π				
HSS HSS	8 10	51 48	19 20			6.30934 6.30935						
HSS	12	52	20			6.30993						
HSS	14	48	20			6.30994		8				
HSS	16	52	20			6.30995	Carbide	25.4	E2 2	10 E	6.25	
HSS	18		20			6.30996	Carbide	25,4 28,7	52,2 53,2	13,5 15	6,35 8	
HSS	20	52	20			6.30997	Carbide	31,7	55,2	16,5	9,5	
Carbide	3	51	11			6.31630	Carbide	38,1	57,2	19,7	12,7	
Carbide	4	51	11			6.31631	Rounding-	over bits				
Carbide Carbide	5 6	51 50	11 19			6.30936 6.30937	with pilot					
Carbide	8	50	20			6.30938		Π				
Carbide	10	50	20			6.30939						
Carbide	12	52	20			6.30940						
Carbide	14	52	20			6.31632	A A A					
Carbide	16	52	20			6.30941	HSS	17,5	50	14	6,35	
Carbide	18	52	20			6.31633	HSS	23,8	52	16	9,5	
Carbide	20	52	20			6.30942	Rounding-	over bit				
Carbide Carbide	22 24	57	25 20		15	6.31634 6.31635	with ball b	earing				
Carbide	25	57	10		15	6.31636		ſ				
Core-box bi	t T						Carbide	25,4	51,2	12,7	6,35	
							Carbide Carbide	28,7	E4.00	15 15 00	8	
0 - 1-1-1-	0.5	45	7	4.75		0.04007	Carbide	31,75 38,1	54,63 59	15,88 19,7	9,53 12,7	
Carbide Carbide	9,5 12,7	45 40	7 9	4,75 6,35		6.31637 6.30947	V-groove b			.077	,,	
HSS	8	40	12	4		6.30943		Π				
HSS	12,7		9	6,35		6.30944		11				
Core bit wit	th pilot						HSS	11		14		60
							HSS Carbide <b>Engraving</b>	14 14	48 48	18 18		90 90
HSS	23,8	52	16	9,5		6.30955	Engraving	) 				
Core bits w ball bearing							Carbide	11	55	20		60
	04.7	E4.0E	440	0.5		0.04000						

6.31638

6.31639

Carbide

Carbide

31,7

38,1

51,95

57

14,3

16

9,5

12,7

11001							
Version	Dia- meter mm	Overall length mm	Usable length mm	Radius	Angle	Order no.	
Dovetailing	g bits						
HSS	12,2		10		15	6.30952	
Dovetailing	g bits				10	0.00002	
with reliev	ing tooth						
HSS	14,3	00	13,5		15	6.30951	
Carbide Chamfering	14,3 a bits	60	13,5		15	6.31649	
with ball b							
Carbide	24	50	10		45	6.31655	
Flush trimi	ming bits learing						
Carbide	12,7	70	25,4			6.31654	
Rebating b	oits						
HSS Rebating b	23,8		11,5			6.30954	
with ball b	earing						
Carbide Straight pa		53	12,7			6.31653	
Carbide Multi-radiu	8 Is onee hit		19			6.31656	
	is ogee bl	•					
HSS Multi-radiu	30,1	ts A	23	7,2		6.30975	
with pilot	as ogec sin						
HSS	29		16,5	3/4		6.30964	
			_				

Version	Dia- meter mm	Overall length mm	Usable length mm	Radius	Angle	Order no.
Multi-radiu	s ogee bit	s B				
with pilot	-					
HSS	29		16,5	3/4		6.30965
Multi-radiu		s				
with ball be	_					
Carbide	31,7	53	12,7	4		6.31650
Carbide	38,1	59	19	6,35		6.31651
Multi-radiu		S				
Carbide	38,1	54	17,5	6,35		6.31652
Hinge mort		01	17,0	0,00		0.01002
Carbide	26					6.31657
Carbide	35					6.31658
Slot cutter						3.01000
Carbide	40		1,5			6.23584
Carbide	40		2			6.23585
Carbide	40		2,5			6.23586
Carbide	40		3			6.23587
Carbide	40		3,5			6.23588
Carbide	40		4			6.23589

	Order
	no.
Arbor for slot cutter	6.30966
Shaft Ø: 8 mm	

# Router bits with 12 mm shank diameter

Router bit with 2 cutters, with shaft diameter: 12 mm, for router Of E 1812  $\,$ 

Version	Dia- meter mm	Overall length mm	Usable length mm	Radius	Angle	Order no.
Straight bit						
HSS	10	90	35			6.31610
Carbide	12	90	35			6.31611
Carbide	14	90	35			6.31612
Carbide	16	35	35			6.31613
Carbide	18	90	35			6.31614
Carbide	20		35			6.31615

Version	Dia- meter mm	Overall length mm	Usable length mm	Radius	Angle	Order no.	Туре	Version	Dia- meter mm	Overall length	Angle	Order no.
Core-box b	it											
OOIG-DOX D	 						Chamfering bit	HSS	10		16	6.23574
							Router bits, fine to Suitable for milling copper, brass, tin, plastics, etc.		,			
Carbide	16	54	18	8		6.31627		HSS	4,5			6.23575
Carbide Beading bi	24	54	18	12		6.31628			,-			
beauing bi								HSS	12			6.23576
5								HSS	12			6.23577
NATION -												
Carbide Carbide	21 27	50	12 15	5 8		6.31623 6.31624		HSS	12			6.23578
Rounding-						0.0.02.						
							Dovetail bit	HSS	12		10	6.23579
							Dovetall bit	1100	12		10	0.23373
								HSS	12			6.23580
Carbide Dovetailing	44,5 a bits		23	15,9		6.31622						
	П						Straight bit	HSS	10			6.23581
							Mounted points					
								Head &	) and	Maximu	ım	Order
Carbide	16	55	12		15	6.31625		height		permiss	ible	no.
Carbide	18		13	15	15	6.31626		mm		shaft length l	0	
Hinge mor	tising bit									mm	U	
							Mounted points m pink aluminium ox shank diameter 6 i	ide,				
								Ø 20 x	32	14		6.27411
517								Ø 20 x	32	14		6.27412
Carbide	26	90				6.31620						
Carbide	35	90				6.31621		Ø 25 x	25	17		6.27413
Router b	its with 6	mm shanl	c diameter					Ø 20 x	20	20		6.27415
For free-har	E 738, an	d the route	er and					Ø 20 x	32	14		6.27416
grinder mot	LOT FIVIE /	Version	Dia-	aπs Overall	Angle	Order		Ø 16 x	32	20		6.27417
туре		AG121011		length	Aligie	no.		Ø 10 x	25	20		6.27418

Туре	Version	Dia- meter mm	Overall length	Angle	Order no.
Router bits, medium Suitable for milling l plastics, etc.	•				
Straight bit, rounded off	HSS	6			6.23570
Straight bit	HSS	6			6.23571
Straight bit	HSS	10			6.23572
Dovetail bit	HSS	12		10	6.23573

SCREWDRIVERS

ANGLE GRINDERS

METAL PROCESORS

HAMMERS

IMPACT DRILLS

DRILLS

## **EQUIPMENT FEATURES**

- For the environmentally-friendly removal of paint and varnish from even wooden surfaces, such as stairs, doors and windows
- Also suitable for processing untreated wood
- Up to 70 % time saving compared to conventional working methods, e.g. using chemical paint strippers
- Ideal for cutting grooves and trimming edges
- Variably adjustable chip removal setting
- Sheathed, sturdy die cast aluminum gear housing
- Universal motor with high capacity reserve
- Metabo S-automatic torque limiting clutch
- 4 reversible carbide blades with high tool life
- Vibration-free and thereby fatigue-free operation
- External dust extraction outlet
- Metabo winding protection grid

# **EQUIPMENT FEATURES**

- Robust planer with long planer base for a wide range of use
- Carbide planer blade
- Easy blade change using standard planer blade cassette system
- Variably adjustable planer depth and notch depth
- Aluminum die cast and milled cut planer base
- V-groove in front part of the planer base for easy chamfering
- Chip ejection to left and right (convertible)
- External dust extraction outlet
- Spring-mounted strap on the planer base for stopping machine



710 Watt

	Ho 0882	
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	Paint Remover LF 724 S
Comparative device characteristics	
Torque	2 Nm
Cutting edge cycle	80 mm
Maximum notch depth	unlimited
Lateral milling height	28 mm
Axial moulding/routing depth	0 - 0,3 mm
Radial moulding/routing depth	0,15 mm
Rated input power	710 W
Output power	400 W
No load speed	10.000 /min
Rated load speed	7.200 /min
Weight (without mains cable)	2,6 kg
Standard equipment	4 reversible carbide blades,
	extraction connector, adjusting
	wrench with handle,
	combo-spanner, carry case
Туре	LF 724 S
Order no.	6.00724

	800 Watt Planer Ho 0882	
		_
Comparative device characteristics		
Planing width	82 mm	
Adjustable planing depth	0 - 3 mm	
Maximum notch depth	23 mm	
No load speed	12.000 /min	
Rated input power	800 W	
Output power	430 W	
Rated load speed	8.200 /min	
Length of planer base	290 mm	
Weight (without mains cable)	3,3 kg	
Standard equipment	Reversible carbide planer	
• •	blade, guide fence,	
	groove depth stop,	
	extraction connector,	
	allen key	
	·	
Type Order no.	Ho 0882 6.00882 ■	
	·	

Accessories for L	F 724 S	
		Order
		no.
	Reversible carbide blades	
	Packing unit: 10	6.31660
Della Della	Packing unit: 4	6.31720
	Parallel guide/ripping fence	6.31865
	Suction hose Hose length: 3,5 m Suction hose Ø: 27 mm	6.31938

Accessories for LF 724 S	
	Order no.
Carry case	6.25449

6.27107

# **EQUIPMENT FEATURES**

- Handy and compact (not bigger than a hand planer)
- Carbide planer blade
- Easy blade change using standard planer blade cassette system
- Variably adjustable planer depth and notch depth
- Constamatic (C) full wave electronics for even planing results
- Reduced speed for reduced noise during no load
- Aluminum die cast and milled cut planer base
- V-groove in front part of the planer base for easy chamfering
- Guide fence for incline planing, tiltable up to 45°
- External dust extraction outlet
- Rotatable chip ejection support
- Spring-mounted strap on the planer base for stopping machine



	900 Watt Electronic Planer Ho E 0983
Comparative device characteristics	
Planing width	82 mm
Adjustable planing depth	0 - 3 mm
Maximum notch depth	20 mm
No load speed	12.000 /min
Rated input power	900 W
Output power	480 W
Rated load speed	11.000 /min
Length of planer base	250 mm
Weight (without mains cable)	3,1 kg
	. <b>.</b>
Standard equipment	Reversible carbide planer blade, inclinable guide fence, groove depth stop, allen key
Type Order no.	Ho E 0983 6.00983

# ACCESSORIES FOR HO 0882 AND HO E 0983

Planer blades		
		Order no.
	Reversible carbide planer blade Consisting of 2 reversible carbide planer 82 mm blades, suitable for most 82 mm wide planers	6.30282
	Rustic conversion kit Consisting of 2 HSS reversible planer blades with serrated edge, 2 pressure pads and 2-mm hexagon spanner	6.30565
	HPHSS reversible planer blade Consisting of 2 HSS reversible planer blades with serrated edge (without pressure pads); as spare	6.30566
		Order no.
metabo	Chip bag For collecting small amounts of shavings	6.30888
	Clamp bracket for planer For stationary use of the planer (as surface planer) Clamp 6.27107 for fastening the stand securely on a workbench	6.31599

# **ACCESSORIES FOR HO 0882**

		Order no.
4	Guide fence Can be tilted outwards up to 45° for incline planing (Standard equipment for planer Ho E 0983)	6.30991
metabo	Sheet steel carry case	6.31382

■ For the secure fitting

on a work table

# **ACCESSORIES FOR HO E 0983**

	Order
	no.
Sheet steel carry case Planer Ho E 0983 can, for the purposes of reversing and changing the blades, be securely placed in carry case	6.31394

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