# 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. **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

1200 Watt

1800 Watt

- 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	Electronic Router Of E 1229 Signal	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 <b>=</b>	
Order 110.	0.00/38	6.01229 -	0.01612 -	

# **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	
No load speed	10.000 - 27.000 /min
Rated input power	710 W
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
Туре	FME 737
Order no.	6.00737

Collets		
	Collet bore	Order no.
۵	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

Accesso	ries 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
ő	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
O	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 Diameter: 40 mm	6.31578 6.31579
	Diameter. 40 illill	0.31373

FOR OFE 738 AND OFE	1229 SIGNAL				Order no.
	Parallel guide Parallel guide/	<b>Order no.</b> 6.31507	11111	Precision guide rail  Clean-cut edges with no splintering thanks to the guide	6.31213
	ripping fence with fine adjustment for routers OFE 738 and Of E 1229 Signal (supplied as standard)		NEW	rail's plastic-extrusion strip edging – even with bevel cuts up to 45°  Guide rail made of	
	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	6.30360		sturdy, anodised Aluminium extrusion  Anti-slip backing provides safe and reliable support and protects the workpiece surface against scratches	
-	Circle-cutting centering pin For using in the parallel guide/ ripping fence of	6.31504		Guide rule,     adjustable     to eliminate play     Overall length:     1.500 mm      Router guide	6.31248
	routers OFE 738 and Of E 1229 Signal, for milling circular grooves and similar work			For these tasks the 6.31503 intermediate plate must be fitted to the router's base plate	0.31240
	Mitre guide 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	6.30103	•	■ Enables moulding/ routing with routers 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	6.31503			
	Of E 1229 Signal, especially suited for trimming edging strips flush		FOR OFE 738 AND OFE	1229 SIGNAL	0.1
	with edges			Flexible shaft	Order no. 6.30980
	Circle-cutting guide For cutting out round openings, moulding/routing circular grooves, rounding off corners, etc., maximum circle diameter 350 mm	6.31505		<ul> <li>Suitable for speeds of 7 500 to 30 000 rpm</li> <li>Bearing-mounted at both ends</li> <li>Equipped with collet for size 8 mm, 6.30979</li> <li>Length: 1,3 m</li> <li>Driving shaft: 8 mm</li> </ul>	
	Template followers Diameter: 9 mm	6.30105		Collet bore: 8 mm Weight: 0,8 kg	
	Diameter: 11 mm	6.30106		Collets for flexible	
	Diameter: 17 mm	6.30118	-	shaft 30980 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 Œ



		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.
Moulding/routing attachment for FME 737  With this moulding/ routing attachment, router and grinder motor FME 737 can be converted into a router	6.31501

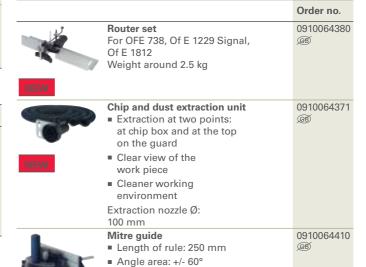
#### Work benches

Order no



- 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



#### 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

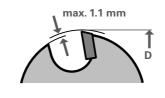
The drive shaft of the machine, collet and cutter shaft form a unit. The more accurate the individual components, the higher the possible accuracy of the router set.

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.



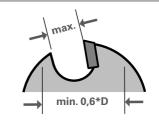
# Machine prerequisites

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.

											RO	UTER	BITS
Router b	oits with 8	mm shank	diameter				Version	Dia- meter	Overall length	Usable length	Radius	Angle	Order no.
The router I free-hand wand the rou	vorking wi	th the route	r motor C	FE 738			Beading bi	mm t	mm	mm			
Version	Dia- meter mm	Overall length mm	Usable length mm	Radius	Angle	Order no.	beauting bi						
Straight bi	it						HSS	15,5	40	10	5		6.30949
							Beading bi with pilot						
HSS	3	45	6			6.30930	HSS	27,8	52	16	9,5		6.30974
HSS HSS	4 5	47,5 48,5	9,5 11,5			6.30931 6.30932	Beading bi	ts with	32	10	0,0		0.30374
HSS	6	48,5	16			6.30933	ball bearin	g					
HSS	8	51	19			6.30934							
HSS	10	48	20			6.30935							
HSS	12	52	20			6.30993							
HSS HSS	14 16	48 52	20 20			6.30994 6.30995	WAXXII.						
HSS	18	52	20			6.30996	Carbide	25,4	52,2	13,5	6,35		6.31645
HSS	20	52	20			6.30997	Carbide	28,7	53,2	15 16 F	8		6.31646
Carbide	3	51	11			6.31630	Carbide Carbide	31,7 38,1	55,2 57,2	16,5 19,7	9,5 12,7		6.31647 6.31648
Carbide	4	51	11			6.31631	Rounding-		01,2	10,7	12,7		0.01040
Carbide	5	51	11			6.30936	with pilot						
Carbide Carbide	6 8	50 50	19 20			6.30937 6.30938		Π					
Carbide	10	50	20			6.30939							
Carbide	12	52	20			6.30940							
Carbide	14	52	20			6.31632	A CA						
Carbide	16	52	20			6.30941	HSS	17,5	50	14	6,35		6.30998
Carbide	18	52	20			6.31633	HSS	23,8	52	16	9,5		6.30948
Carbide	20	52 57	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		10	6.31636							
Core-box b			-										
							Carbide Carbide Carbide Carbide	25,4 28,7 31,75 38,1	51,2 54,63 59	12,7 15 15,88 19,7	6,35 8 9,53		6.31641 6.31642 6.31643 6.31644
Carbide	9,5	45	7	4,75		6.31637	V-groove b		59	19,7	12,7		0.31044
Carbide HSS	12,7 8	40	9 12	6,35 4		6.30947 6.30943	v 9.00vo 2						
HSS	12,7		9	6,35		6.30944							
Core bit w				-,									
							HSS	11		14		60	6.30957
							HSS	14	48	18		90	6.30958
	_						Carbide	14	48	18		90	6.30959

Engraving bit

Carbide

11

55

20

60

6.30955

6.31638 6.31639

HSS 23,8
Core bits with ball bearing

Carbide Carbide

52

51,95 57

31,7 38,1

16

14,3 16

9,5

9,5 12,7

6.31640

KUUT	LI DI	13				
Version	Dia- meter mm	Overall length mm	Usable length mm	Radius	Angle	Order no.
Dovetailin	a bits					
Dovetanni						
ПСС	12.2		10		15	6 20052
HSS Dovetailin	12,2 g bits		10		15	6.30952
with reliev	ring tooth					
HSS Carbide	14,3 14,3	60	13,5 13,5		15 15	6.30951 6.31649
Chamferin	g bits		. 5,0			5.51070
with ball b	pearing					
Carbide	24	50	10		45	6.31655
Flush trim with ball b						
Carbide	12,7	70	25,4			6.31654
Rebating by with pilot	oits					
HSS Rebating b	23,8		11,5			6.30954
with ball b	pearing					
Carbide Straight p		53	12,7			6.31653
Carbide Multi-radio	8 us onee hit	+	19			6.31656
		•				
HSS Multi-radio with pilot	30,1 us ogee bit	ts A	23	7,2		6.30975
Jan prior						
HSS	29		16,5	3/4		6.30964
184 l						

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						3.0 1000
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

	Head Ø and height mm	Maximum permissible shaft length l <sub>0</sub> mm	Order no.
Mounted points made pink aluminium oxide, shank diameter 6 mm	of		
	Ø 20 x 32	14	6.27411
	Ø 20 x 32	14	6.27412
	Ø 25 x 25	17	6.27413
	Ø 20 x 20	20	6.27415
	Ø 20 x 32	14	6.27416
	Ø 16 x 32	20	6.27417
	Ø 10 x 25	20	6.27418
Mounted points made aluminium oxide, shank diameter 6 mm	of		
	Ø 25 x 32	8	6.27419
	Ø 25 x 32	8	6.27420

Version	Dia- meter mm	Overall length mm	Usable length mm	Radius	Angle	Order no.
Core-box bi	t					
Carbide	16	54	18	8		6.31627
Carbide	24	54	18	12		6.31628
Beading bit						
Carbide	21		12	5		6.31623
Carbide Rounding-o	27	50	15	8		6.31624
Carbide	44,5		23	15,9		6.31622
Dovetailing	bits					
Carbide	16	55	12		15	6.31625
Carbide	18		13	15	15	6.31626
Hinge mort	ising bit					
Carbide	26	90				6.31620
Carbide	35	90				6.31621

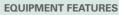
# Router bits with 6 mm shank diameter

For free-hand working with the motor unit of router OFE 738, and the router and grinder motor FME 737 and the flexible shafts

Туре	Version	Dia- meter mm	Overall length	Angle	Order no.
Router bits, medium Suitable for milling 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

#### **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



- 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 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
Type Order no.	LF 724 S 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	Ho 0882
Order no.	6.00882
0.401.1101	0.00002

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

# **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
	0 - 3 mm
Adjustable planing depth 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
vveight (without mains capie)	5,1 kg
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
f	Clamp ■ For the secure fitting on a work table	6.27107

# **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

# **ACCESSORIES FOR HO E 0983**

	no.
Sheet steel ca Planer Ho E 0s for the purpos reversing and the blades, be placed in carry	983 can, ses of changing securely

Order