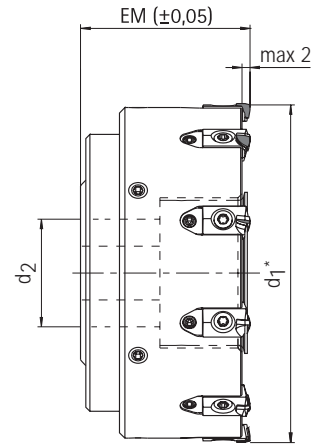
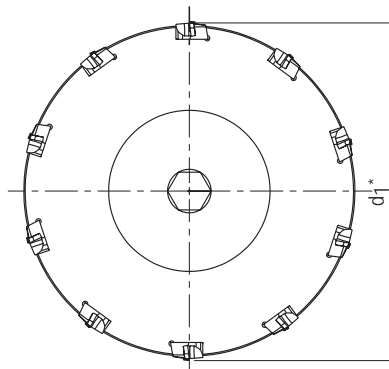


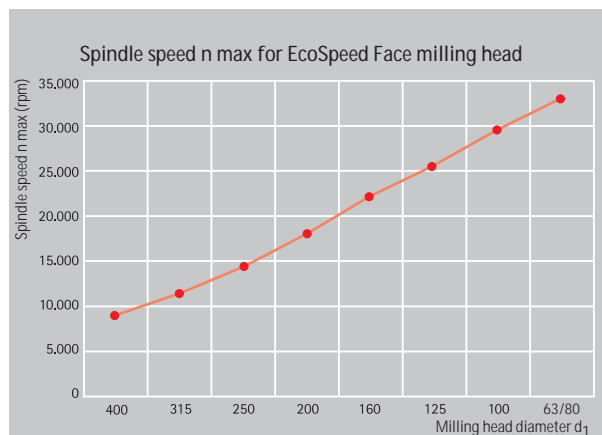
MAPAL

Face milling head – EcoSpeed

Design:
 Milling cutter diameter: 63 – 400 mm
 No. of blades: 5 – 28
 Coolant supply: internal



Milling head diameter d_1^*	No. of blades Z	Setting dimension $EM (\pm 0,05)$	Tool holder diameter d_2	Material basic body	Spindle speed n max (rpm)	Weight incl. milling cartridges kg	Order No. basic body R.H.
63	5	48	22	Aluminium	33.000	0,40	7-05063-01
80	6	50	27	Aluminium	33.000	0,70	7-05080-01
100	8	50	32	Aluminium	29.500	1,10	7-05100-01
125	10	63	40	Aluminium	25.500	2,20	7-05125-01
160	12	63	40	Aluminium	22.200	2,80	7-05160-01
200	16	63	60	Aluminium	18.100	4,20	7-05200-01
250	20	63	60	Aluminium	14.500	6,70	7-05250-01
315	24	80	60	Aluminium	11.500	12,90	7-05315-01
400	28	80	60	Aluminium	9.000	21,30	7-05400-01



Dimensions given in mm.

* d_1 depends on type of milling cartridge, see page 61.

Supplied as follows: Face milling head with all accessory parts.

Milling cartridges and milling cutter arbor not included.

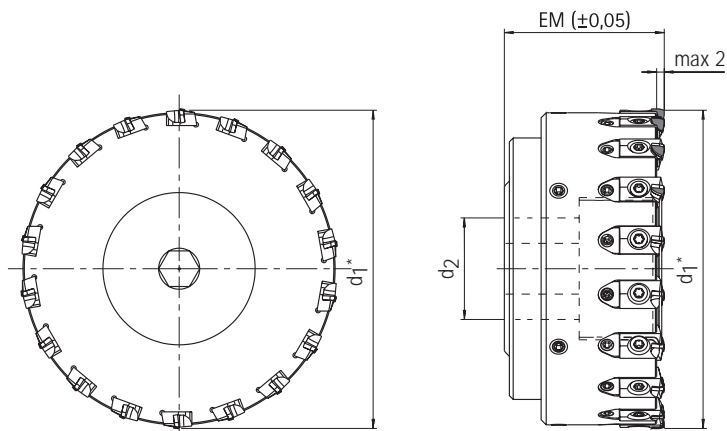
For milling cartridges see page 61.

For accessories and spare parts see page 63.

For milling cutter arbors see page 64 and 65.

MAPAL

Face milling head – EcoFeed



Design:
 Milling cutter diameter: 63 – 400 mm
 No. of blades: 8 – 58 (standard)
 Coolant supply: internal

Milling head diameter d_1^*	No. of blades Z	Setting dimension EM ($\pm 0,05$)	Tool holder diameter d_2	Material basic body	Spindle speed n max (rpm)	Weight incl. milling cartridges kg	Order No. basic body R.H.
63	8	48	22	Aluminium	33.000	0,42	7-06063-01
80	10	50	27	Aluminium	33.000	0,75	7-06080-01
100	14	50	32	Aluminium	29.500	1,20	7-06100-01
125	18	63	40	Aluminium	25.500	2,20	7-06125-01
160	24	63	40	Aluminium	22.200	2,80	7-06160-01
200	28	63	60	Aluminium	18.100	4,30	7-06200-01
250	36	63	60	Aluminium	14.500	6,80	7-06250-01
315	46	80	60	Aluminium	11.500	13,00	7-06315-01
400	58	80	60	Aluminium	9.000	21,60	7-06400-01

Dimensions given in mm.

* d_1 depends on type of milling cartridge, see page 61.

Supplied as follows: Face milling head with all accessory parts.

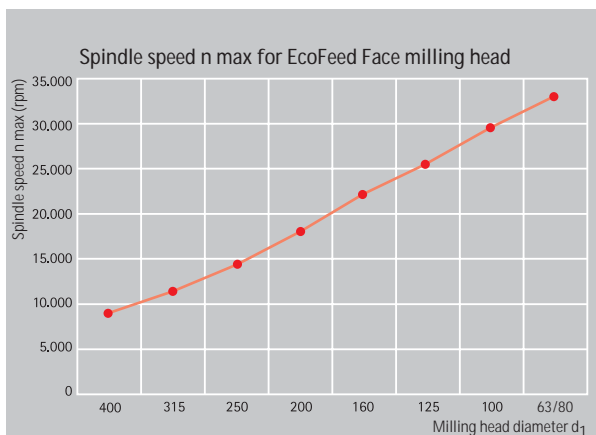
Milling cartridges and milling cutter arbor not included.

For milling cartridges see page 61.

For accessories and spare parts see page 63.

For milling cutter arbors see page 64 and 65.

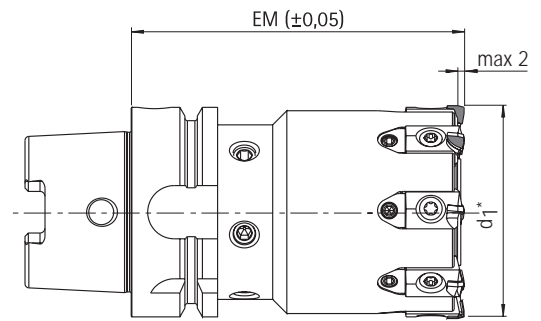
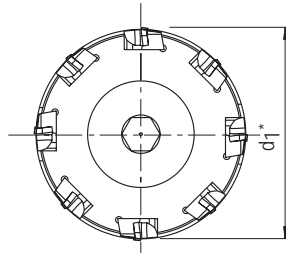
Special version with greater number of teeth available on request.



MAPAL

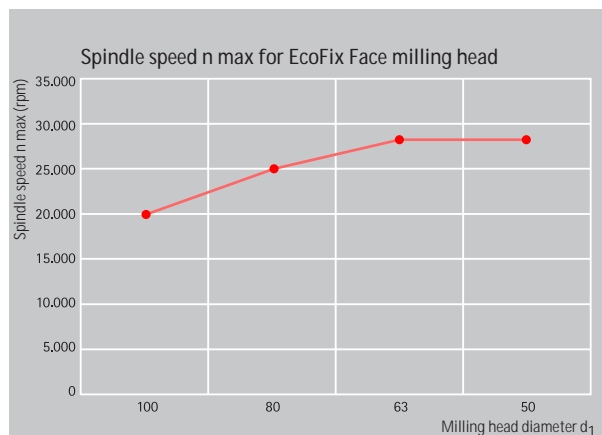
Face milling head – EcoFix

Design:
 Milling cutter diameter: 50 – 100 mm
 No. of blades: 6 – 14
 (standard)
 Shank form: HSK-A 63, ISO 40
 (DIN 69871 AD/B)
 Coolant supply: internal



EcoFix Face milling head – HSK-A 63

Milling head diameter d1*	No. of blades Z	Setting dimension EM (±0,05)	Shank form	Material basic body	Spindle speed n max (rpm)	Weight incl. milling cartridges kg	Order No. basic body R.H.
50	6	100	HSK-A 63	Steel	27.000	1,50	7-08050-04
63	8	100	HSK-A 63	Steel	27.000	1,85	7-08063-04
80	10	100	HSK-A 63	Steel	25.000	2,50	7-08080-04
100	14	100	HSK-A 63	Steel	20.000	3,55	7-08100-04
50	6	100	SK 40	Steel	27.000	1,65	7-08050-05
63	8	100	SK 40	Steel	27.000	2,05	7-08063-05



Dimensions given in mm.

*d₁ depends on type of milling cartridge, see page 61.

Supplied as follows: Face milling head with all accessory parts.

Milling cartridges not included.

For milling cartridges see page 61.

For accessories and spare parts see page 63.

Special version with greater number of teeth available on request.

Milling Cartridges for MAPAL Face milling heads from the EcoMill series

- Max. cutting depth: 2 mm
- Unsuitable for regrinding

7 - 07 7 1 2 - 0 2

- a) Series
 b) Type
 c) Top rake
- f) Cutting material
 e) Running direction
 d) Blade form

a) Series

No.	Series
07	EcoMill

b) Type

No.	Type
6	Corner blade
7	Facing blade
8	Wide face milling blade
9	PT blade ¹⁾

c) Top rake

No.	Top rake
1	6°
2	3°
3	0°

d) Blade form

No.	Type No. 6 (corner blade) Type No. 7 (facing blade) Required R _z value (on part)	Type No. 8 (wide face milling blade) Radius	Type No. 9 (PT blade) Required R _z value (on part)
1	≤ 5 μm	•	≤ 5 μm
2	≤ 10 μm		
3	≤ 20 μm		
4	> 20 μm		

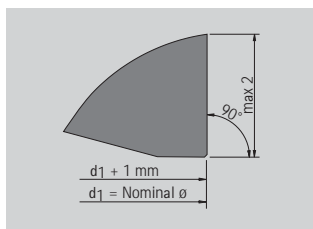
e) Running direction

No.	Running direction
0	R.H.

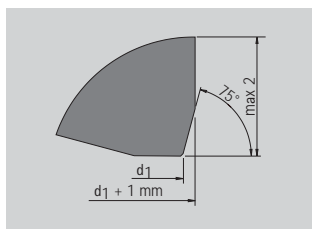
f) Cutting material

No.	Cutting material
2	PCD
5	carbide

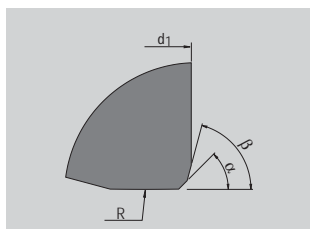
Milling cartridges



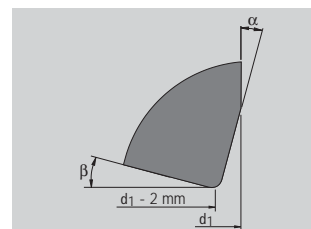
Type No. 6 Corner blade



Type No. 7 Facing blade



Type No. 8 Wide face milling blade



Type No. 9 PT blade

¹⁾PT blade: Only top rake No. 3 (0°) can be selected