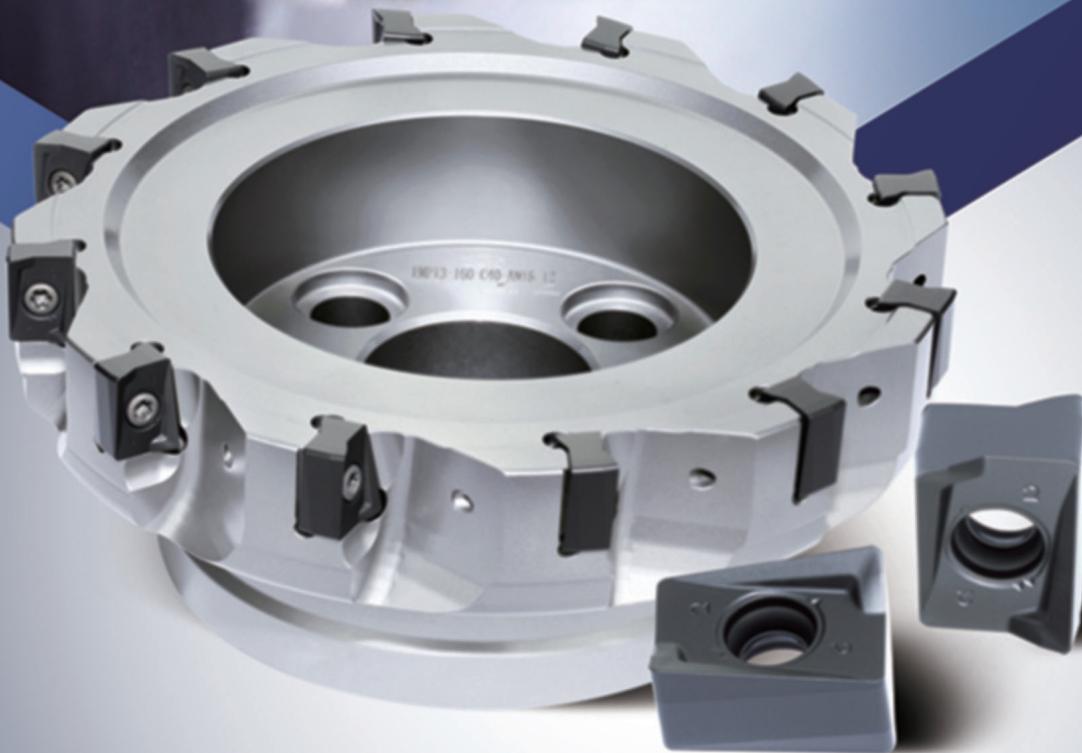


New **EMP13**



FM E 03 100 – B32 S – P 12 – 06 (L) (C)

1 2 3 4 5 6 7 8 9 10 11

Type	
Code	Description
BM	Profile milling
CM	Chamfer milling
EM	Square shoulder milling
FM	Face milling
HM	Helical milling
SM	Slot milling
TM	T-slot milling
XM	Special

1

Entering angle	
A	45°
E	75°
D	60°
P	90°
R	

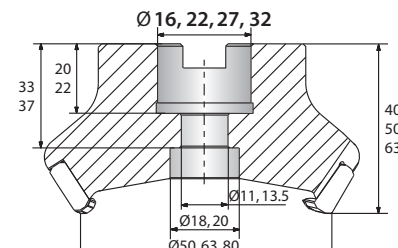
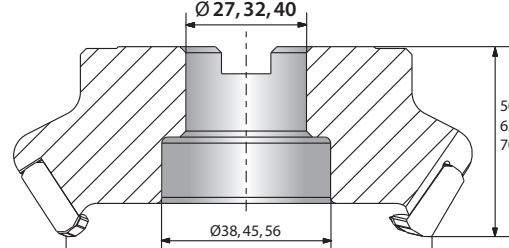
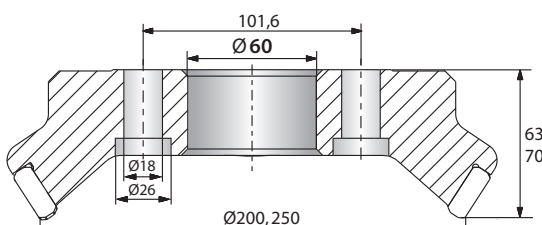
2

Nominal diameter [mm]	
Code	Description
025	25
050	50
160	160
315	315
...	

4












Serial number	

3








Type and size of tool holders			
Code	Type	Code	Type
A	Nominal diameter Ø50 – 80 mm 	B	Nominal diameter Ø100 – 160 mm 
	Nominal diameter Ø200 – 250 mm 		D
G	Straight shank	XP	Weldon shank
K	Bore with keyway		

5









With respect to mounting please adhere to the information provided by the tool holder manufacturer.

Insert shape	
A 	C 
H 	L 
M 	O 
P 	R 
S 	T 
W 	X Special
Z Special	

6

Clearance angle	
B 	C 
D 	E 
F 	N 
P 	

7

Cutting edge length l [mm]	
Insert shape	
	
A	C, M
	
H, O, P	L
	
R	S
	
T	W

8

Number of teeth

9

Cutting direction	
Code	Description
L	Left

10



With inner cooling

11



Tools with B coupling and inner coolant supply require the following spare parts:



Spare parts (B coupling with inner coolant supply)					
		B27	B32	B40	B40
	∅	80	100	125	160
	Coolant clamp screw	LDB27C	LDB32C	LDB40C	LDB40C
	Coolant shower plate	B27-002-CP	B32-002-CP	B40-002-CP	B40-003-CP

When purchasing tools with inner coolant supply and B coupling these spare parts are included in delivery.

S P K N 12 04 ED T21K R – DM

1 2 3 4 5 6 7 8 9 10

A

Turning

B

Milling

C












Drilling








D


Technical Information

E

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Insert shape	
A 	C 
H 	L 
M 	O 
P 	R 
S 	T 
W 	X Special
Z Special	















Clearance angle	
B 	C 
D 	E 
F 	N 
P 	









Tolerance class			
			
Code	I.C [mm]	m [mm]	S [mm]
A	±0,025	±0,005	±0,025
C	±0,025	±0,013	±0,025
E	±0,025	±0,025	±0,025
F	±0,013	±0,005	±0,025
G	±0,025	±0,025	±0,130
H	±0,013	±0,013	±0,025
J	±0,05-0,13	±0,005	±0,025
K	±0,05-0,13	±0,013	±0,025
L	±0,05-0,13	±0,025	±0,025
M	±0,05-0,13	±0,08-0,18	±0,130
N	±0,05-0,13	±0,08-0,18	±0,025
U	±0,08-0,25	±0,13-0,38	±0,130

1

2

3

Fastening features (metric)	
Insert shape	
A 	B 
C 	F 
G 	H 
J 	M 
N 	Q 
R 	T 
U 	W 
X Special	

Cutting edge length l [mm]	
Insert shape	
	
A	C, M
	
H, O, P	L
	
R	S
	
T	W

4

5

Insert thickness S [mm]			
Code	S	Code	S
00	0,79	05	5,56
T0	0,99	T5	5,95
01	1,59	06	6,35
T1	1,98	T6	6,75
02	2,38	07	7,94
T2	2,58	09	9,52
03	3,18	T9	9,72
T3	3,97	11	11,11
04	4,76	12	12,70
T4	4,96		

6

Angle			
Code	Kr	Code	an
A	45°	A	3°
D	60°	B	5°
E	75°	C	7°
F	85°	D	15°
P	90°	E	20°
Z	Special	F	25°
		G	30°
		N	0°
		P	11°
		Z	Special

7

Chamfer							
Code	Type	Code	Angle	Code	Width [mm]	Code	Position
F		0	5°	0	0,10	K	
E		1	10°	1	0,15	P	
T		2	15°	2	0,20	W	
S		3	20°	3	0,25	-	
		4	25°	4	0,30		
		5	30°	5	0,35		
				6	0,40		
				7	0,45		

8

Cutting direction	
Code	Description
R	Right
L	Left
N	Right and left

9

Chip breaker overview
(on page B20)

10

A

Turning

B

Milling

C

Drilling

D

Technical Information

E

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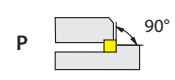
SM P 03 – 160 × 16 – K 40 – M P 12 – 12 L

1 2 3 4 5 6 7 8 9 10 11 12

A

Turning

Type	
Code	Description
SM	Slot milling cutter

Entering angle


1

2

B

Milling

Serial number

Nominal diameter [mm]

Cutting width [mm]

3

4

5

C

Drilling

Tool holder type			
Code	Description	Code	Description
A	A type	B	B type
C	C type	D	D type
K	With feather key		



Diameter of mounting hole [mm]



6

7

D

Technical Information

Insert shape			
M		S	

Clearance angle			
N		P	

Insert size [mm]

8

9

10

Number of teeth

Cutting direction	
Code	Description
R	Right
L	Left

11

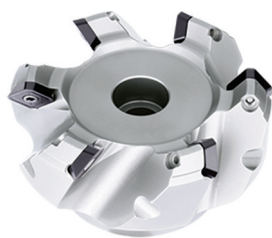
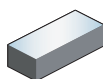
12

E

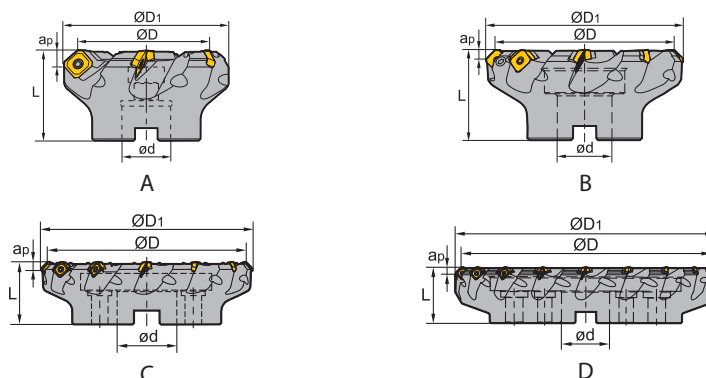
Index

Face milling

FMA01 Kr: 45°



Fine pitch



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMA01-050-A22-SE12-04	● ○	50	61	22	40	6	4	A	0.3	SEET12T3		
FMA01-050-A22-SE12-04C	* ● ○	50	61	22	40	6	4	A	0.3			
FMA01-063-A22-SE12-05	● ○	63	74	22	40	6	5	A	0.5			
FMA01-063-A22-SE12-05C	* ● ○	63	74	22	40	6	6	A	1.2			
FMA01-080-A27-SE12-06	● ●	80	91	27	50	6	6	A	1.2			
FMA01-080-A27-SE12-06C	* ● ○	80	91	27	50	6	6	A	1.2			
FMA01-100-B32-SE12-07	● ○	100	107	32	50	6	7	B	1.2			
FMA01-100-B32-SE12-07C	* ○ ○	100	107	32	50	6	7	B	1.2			
FMA01-125-B40-SE12-08	● ●	125	136	40	63	6	8	B	2.6			
FMA01-125-B40-SE12-08C	* ○ ○	125	136	40	63	6	8	B	2.6			
FMA01-160-B40-SE12-10	● ●	160	170	40	63	6	10	B	4.3			
FMA01-160-B40-SE12-10C	* ○ ○	160	170	40	63	6	10	B	4.3			
FMA01-200-C60-SE12-12	● ○	200	210	60	63	6	12	C	7.6			
FMA01-250-C60-SE12-14	● ○	250	260	60	63	6	14	C	13.5			
FMA01-315-D60-SE12-18	● ○	315	325	60	70	6	18	D	20.8			
FMA01-100-B32-SE18-04	○ ○	100	120	32	63	10	4	B	1.2	SEET18T6		
FMA01-125-B40-SE18-05	○ ○	125	145	40	63	10	5	B	2.6			
FMA01-160-C40-SE18-06	○ ○	160	180	40	63	10	6	C	4.3			
FMA01-200-C60-SE18-08	● ○	200	220	60	63	10	8	C	7.6			
FMA01-250-C60-SE18-10	● ○	250	270	60	63	10	10	C	13.5			
FMA01-315-D60-SE18-12	○ ○	315	335	60	80	10	12	D	20.8			

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B463

Cutting data > B224



A

Turning

B

Milling

C

Drilling

D

Technical Information

E

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A

Turning

B

Milling

C

Drilling

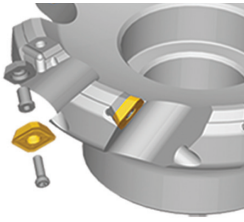
D

Technical Information

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Spare parts				
Insert	SEET12T3	SEET12T3	SEET18T6	
ØD	50-100	125 - 315	100- 315	
	Screw (insert)	I60M3.5*10 (2.7 Nm)	I60M3.5*12 (2.7 Nm)	I60M5*17 (6.7 Nm)
	Screw (shim)		SM5*7XA	SM8*9XA
	Shim		S13BS	S18BS
	Wrench (insert)	WT15IS	WT15IS	
	Wrench (insert)			WT20IT
	Wrench (shim)		WH35L	WH50L



Milling inserts

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	13.4	13.4	3.97	4.1
18 T6	18	18	6.1	5.5

SE** milling insert		HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW									
		P	M	K	N	S	H																	
	ISO	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201	
	SEET12T3-CF	2.55					●				●													
	SEET12T3-CM	2.55					●			●														
	SEET12T3-CR	2.55					● ●			○														
	SEET12T3-DF	2.55	● ●			● ●							●		○				○		○			
	SEET12T3-DM	2.55	● ● ● ● ● ●								●		●		●									
	SEET18T6-DM	2.29	●		●																			

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B463

Cutting data > B224

Milling inserts

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	13.4	13.4	3.97	4.1
18 T6	18	18	6.1	5.5

SE** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW							
		P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗								
		M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗								
		K																					
		N																					
		S																					
		H																					
ISO		bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SEET12T3-DR	2.55	●	●			●		○					○	○								
	SEET12T3-EF	2.55												○	●								
	SEET12T3-EM	2.55				●	●							○	●								
	SEET12T3-LH	2.55								○												●	●

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Milling inserts

- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	17.82	13.4	3.97	4.1

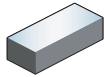
SE** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW								
		P	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
		M	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗									
		K																						
		N																						
		S																						
		H																						
ISO		R	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SEET12T3-W	500	9.46							○					●					○	○			

● Ex stock ○ On demand

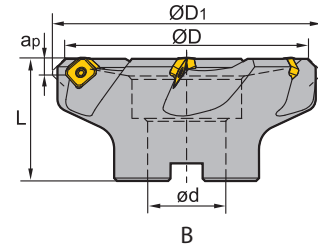
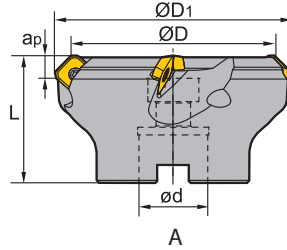
HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide


Face milling

FMA02 Kr: 45°



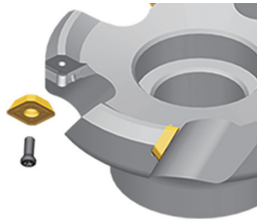


Coarse and differential pitch



Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts 
			ØD	ØD ₁	ød	L	a _{p max}				
FMA02-050-A22-SE12-03	●		50	61	22	40	6	3	A	0.4	SEET12T3
FMA02-063-A22-SE12-04	●		63	74	22	40	6	4	A	0.6	
FMA02-080-A27-SE12-04	●		80	91	27	50	6	4	A	1.3	
FMA02-100-B32-SE12-05	●		100	107	32	50	6	5	B	1.3	
FMA02-125-B40-SE12-06	○		125	131	40	63	6	6	B	2.6	

● Ex stock ○ On demand

* With internal cooling




Spare parts			
	Insert	SEET12T3	
	ØD	50-125	
	Screw (insert)	I60M3.5*10 (2.7 Nm)	
	Wrench (insert)	WT15IS	

System code > B26

Grade selection > B24

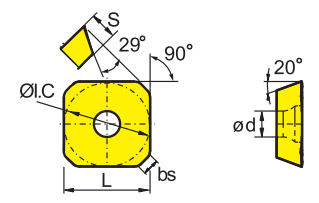









Technical info > B463

Cutting data > B224

-  Ideal machining conditions
-  Normal machining conditions
-  Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	13.4	13.4	3.97	4.1

Milling inserts

SE** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW							
			P	M	K	N	S	H															
ISO		bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SEET12T3-CF	2.55							●		●												
	SEET12T3-CM	2.55							●		●												
	SEET12T3-CR	2.55							● ●			○											
	SEET12T3-DF	2.55	● ●			● ●							●		○			○					
	SEET12T3-DM	2.55	● ● ● ● ● ●									●		●		●							
	SEET12T3-DR	2.55	● ●			●			○				○		○								
	SEET12T3-EF	2.55												○		●							
	SEET12T3-EM	2.55				● ●								○		●							
	SEET12T3-LH	2.55								○												● ●	

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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Grade selection > B24

Technical info > B463

Cutting data > B224



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- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SEET	L	I.C	S	d
12 T3	17.82	13.4	3.97	4.1

Milling inserts

SE** milling insert			HC ¹ (CVD)						HC ¹ (PVD)					HT	HC ²	HW							
	P		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●					
	M		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	●	●	●					
	K									⊗								⊗					
	N									⊗							⊗	⊗					
	S			⊗	⊗					⊗	⊗	⊗	⊗										
	H																						
ISO	R	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SEET12T3-W	500	9.46						○					●					○		○		

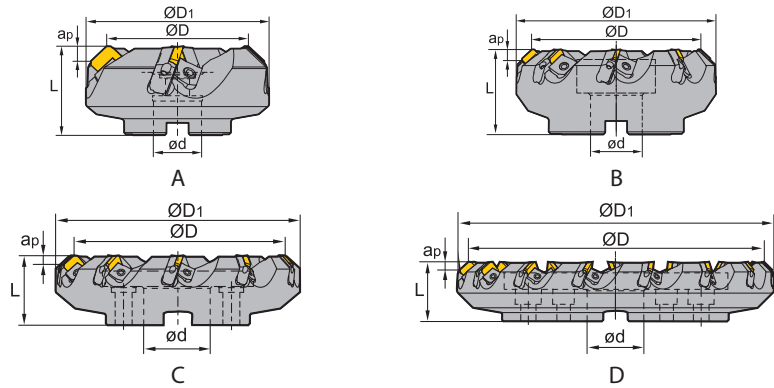
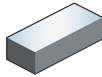
● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide



Face milling

FMA03 Kr: 45°



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMA03-080-A27-SE12-04		○	○	80	103	27	50	5.5	4	A	1.8	SEEN1203 SEKN1203 SEKR1203
FMA03-100-B32-SE12-05		○	○	100	122	32	50	5.5	5	B	2.4	
FMA03-125-B40-SE12-06		○	○	125	147	40	63	5.5	6	B	4.4	
FMA03-160-B40-SE12-08		○	○	160	181	40	63	5.5	8	B	6.4	
FMA03-200-C60-SE12-10		○	○	200	221	60	63	5.5	10	C	8.5	
FMA03-250-C60-SE12-12		○	○	250	270	60	63	5.5	12	C	14.1	
FMA03-315-D60-SE12-15		○	○	315	353	60	63	5.5	15	D	22.2	SEKN1504 SEKR1504
FMA03-080-A27-SE15-04		○		80	103	27	50	7.5	4	A	1.7	
FMA03-100-B32-SE15-05		○		100	122	32	50	7.5	5	B	2.3	
FMA03-125-B40-SE15-06		○		125	147	40	63	7.5	6	B	4.2	
FMA03-160-B40-SE15-08		○		160	181	40	63	7.5	8	B	6.1	
FMA03-200-C60-SE15-10		○		200	221	60	63	7.5	10	C	8.3	
FMA03-250-C60-SE15-12		○		250	270	60	63	7.5	12	C	13.6	
FMA03-315-D60-SE15-15		○	○	315	353	60	63	7.5	15	D	21.8	

● Ex stock ○ On demand

* With internal cooling

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Grade selection > B24

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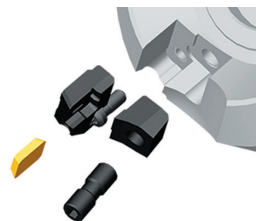
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Spare parts

	Insert	SEEN1203 SEKN1203 SEKR1203	SEKN1504 SEKR1504
	ØD	80- 315	80- 315
	Adjustable screw	LOM5*15.1	LOM5*15.1
	Cassette (left)	LSE12L	LSE15L
	Cassette (right)	LSE12R	LSE15R
	Screw (wedge)	DM8*21X (10.2 Nm)	DM8*21X (10.2 Nm)
	Wedge (left)	W01L	W01L
	Wedge (right)	W01R	W01R
	Wrench (locator)	WT20T	WT20T
	Wrench (wedge)	WH40T	WH40T



- Ideal machining conditions
- ⊗ Normal machining conditions
- ⊗ Unfavourable machining conditions

SEEN	L	I.C	S
12 03	12.7	12.7	3.18

Milling inserts

SE** milling insert		HC ¹ (CVD)					HC ¹ (PVD)					HT	HC ²	HW										
		P	M	K	N	S	H	P	M	K	N	S	H											
	ISO	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201	
	SEEN1203AFTN	1.8																		●				

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

System code > B26

Grade selection > B24

Technical info > B463

Cutting data > B224

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SEKN	L	I.C	S
12 03	12.7	12.7	3.18
15 04	15.875	15.875	4.76

SE** milling insert		HC ¹ (CVD)						HC ¹ (PVD)				HT	HC ²	HW										
	P	●	●	●	●	●	●	●	●	●	●	●	●	●										
	M	●	●	●	●	●	●	●	●	●	●	●	●	●										
	K							●							●									
	N							●						●	●									
	S		●		●			●	●	●	●													
	H																							
ISO		bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201	
	SEKN1203AFN	1.8	○																					
	SEKN1203AFTN	1.8	●	●	●	●							○							●	●		○	
	SEKN1504AFTN	1.6	●	○		●	●						●											○
	SEKN1504AZ	1.6	●																					○

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Milling inserts

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

SEKR	L	I.C	S
12 03	12.7	12.7	3.18

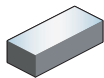
SE** milling insert		HC ¹ (CVD)						HC ¹ (PVD)				HT	HC ²	HW									
	P	●	●	●	●	●	●	●	●	●	●	●	●	●									
	M	●	●	●	●	●	●	●	●	●	●	●	●	●									
	K							●							●								
	N							●						●	●								
	S		●		●			●	●	●	●												
	H																						
ISO		bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SEKR1203AFN	1.8	●										○										

● Ex stock ○ On demand

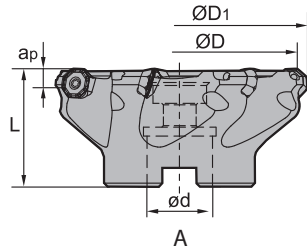
HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

Face milling

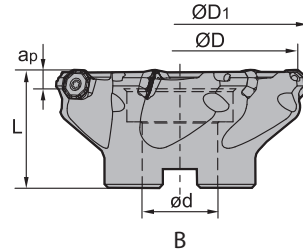
FMA04 Kr: 45°



Screw Clamping



A



B

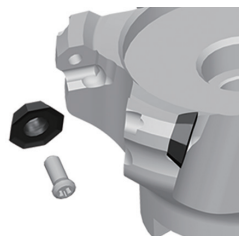
Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMA04-050-A22-OF05-04	●			50	56	22	40	3.5	4	A	0.3	OFKT05T3
FMA04-050-A22-OF05-05	●			50	56	22	40	3.5	5	A	0.4	
FMA04-050-A22-OF05-05C	* ○			50	56	22	40	3.5	5	A	0.4	
FMA04-063-A22-OF05-05	●			63	69	22	40	3.5	5	A	0.5	
FMA04-063-A22-OF05-05C	* ○			63	69	22	40	3.5	5	A	0.5	
FMA04-080-A27-OF05-06	● ○			80	86	27	50	3.5	6	A	0.8	
FMA04-080-A27-OF05-06C	* ●			80	86	27	50	3.5	6	A	0.8	
FMA04-100-B32-OF05-07	● ○			100	106	32	50	3.5	7	B	1.2	
FMA04-100-B32-OF05-07C	* ○			100	106	32	50	3.5	7	B	1.2	
FMA04-125-B40-OF05-08	●			125	130	40	63	3.5	8	B	2.7	
FMA04-125-B40-OF05-08C	* ○			125	130	40	63	3.5	8	B	2.7	
FMA04-160-B40-OF05-10	●			160	165	40	63	3.5	10	B	5.1	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert	OFKT05T3	
		50-63	80-160
	Screw (insert)	I60M4*8.4 (3.4 Nm)	I60M4*10 (3.4 Nm)
	Wrench (insert)	WT15IS	WT15IS



System code > B26

Grade selection > B24

Technical info > B463

Cutting data > B224

- Ideal machining conditions
- ● Normal machining conditions
- Unfavourable machining conditions

OFKT	L	I.C	S	d
05 T3	5.26	12.7	3.97	4.4

Milling inserts

OF** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW					
	P	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●						
	M	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●						
	K	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●						
	N	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●						
	S	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●						
	H	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●						
ISO	R	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	OFKT05T3-DF	0.5								●			●									
	OFKT05T3-DM	0.5			○		●			●			●		●							
	OFKT05T3-LH	0.5																			●	

● Ex stock ○ On demand

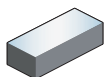
HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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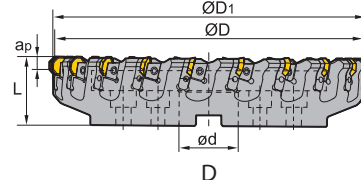
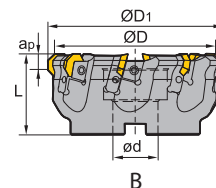
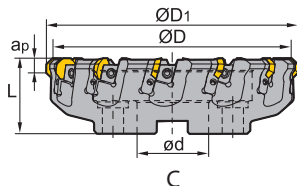


Face milling

FMA04 Kr: 45°



Wedge

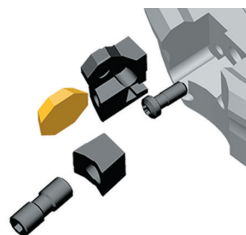


Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMA04-125-B40-OF07-08	●			125	136	40	63	5	8	B	3.9	OFKR0704
FMA04-160-B40-OF07-10	●			160	171	40	63	5	10	B	5.9	
FMA04-200-C60-OF07-12	●			200	211	60	63	5	12	C	7.6	
FMA04-250-C60-OF07-16	●			250	261	60	63	5	16	C	13.3	
FMA04-315-D60-OF07-20	○	○		315	321	60	63	5	20	D	20.3	

● Ex stock ○ On demand

* With internal cooling

Spare parts		
	Insert	OFKR0704
	ØD	125 - 315
	Adjustable screw	LOM5*15.1
	Cassette (left)	LOF07L
	Cassette (right)	LOF07R
	Screw (wedge)	DM8*21X (10.2 Nm)
	Wedge (left)	W02L
	Wedge (right)	W02R
	Wrench (locator)	WT20T
	Wrench (wedge)	WH40T



System code > B26

Grade selection > B24

Technical info > B463

Cutting data > B224

- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

OFKR	L	I.C	S
07 04	7.45	17.94	4.76

Milling inserts

OF** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW							
		P	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●									
		M	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●									
		K				●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●		●●●●●●●●							
		N						●●●●●●●●									●●●●●●●●	●●●●●●●●						
		S			●●●●●●●●	●●●●●●●●			●●●●●●●●	●●●●●●●●	●●●●●●●●	●●●●●●●●												
		H																						
ISO		R	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201	
	OFKR0704-DF	0.8				○								●										
	OFKR0704-DM	0.8	●	●		●	●	●						○		●								
	OFKR0704W-DM	0.8	○						○				●											

● Ex stock ○ On demand

HC¹ Coated carbide
 HT Uncoated cermet
 HC² Coated cermet
 HW Uncoated carbide

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Grade selection > B24

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