

FMD02 ^{Kr: 67°}

Face mill

- Smooth-cutting inserts due to trough-shaped chip breaker.
- Chamfer with wiper for best surface quality.
- Wide selection of inserts with 6 different chip breakers.
- Milling body available in wide, normal and close pitch (wedge clamping).

Insert grades

YBC302

CVD
P15 – P35

YBM253

CVD
P10 – P40

YBD152

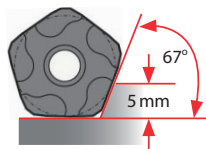
CVD
K05 – K25

YBD252

CVD
K15 – K35

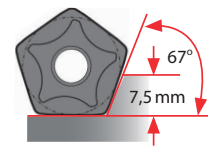
Chip breakers

-CF -CM -CR

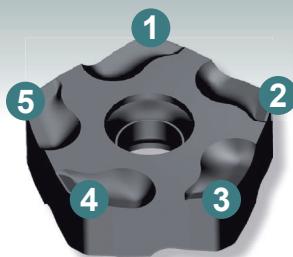


• Cast iron machining
 $a_{p\max} = 5 \text{ mm}$

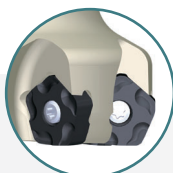
-PF -PM -PR



• Steel
 $a_{p\max} = 7.5 \text{ mm}$



2x5 cutting edges



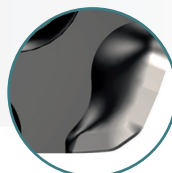
• Entry angle $Kr = 67^\circ$



• Screw clamping



• Wedge clamping

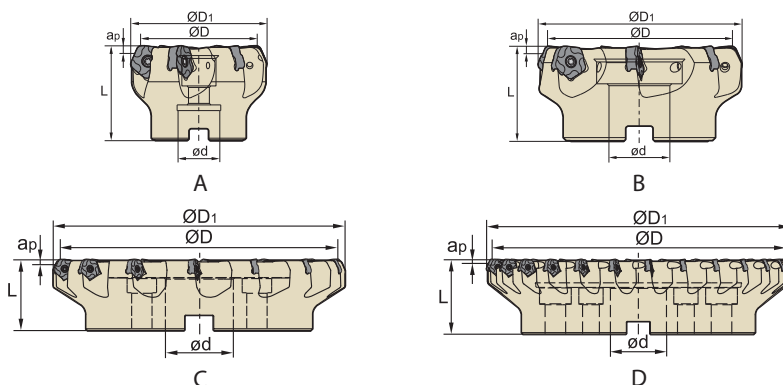
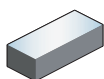


• Wiper



Face milling

FMD02 Kr: 67°



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	Ød	L	a _{p max}				
FMD02-050-A22-PN11-04		● ○		50	60.1	22	50	5	4	A	0.6	
FMD02-050-A22-PN11-04C	*	○		50	60.1	22	50	5	4	A	0.6	
FMD02-050-A22-PN11-05		●		50	60.1	22	50	5	5	A	0.6	
FMD02-050-A22-PN11-05C	*	●		50	60.1	22	50	5	5	A	0.6	
FMD02-063-A22-PN11-05		● ○		63	73.1	22	50	5	5	A	0.8	
FMD02-063-A22-PN11-05C	*	○		63	73.1	22	50	5	5	A	0.8	
FMD02-063-A22-PN11-06		●		63	73.1	22	50	5	6	A	0.9	
FMD02-063-A22-PN11-06C	*	●		63	73.1	22	50	5	6	A	0.9	
FMD02-080-A27-PN11-06		●		80	90.1	27	50	5	6	A	1.1	
FMD02-080-A27-PN11-08		●		80	90.1	27	50	5	8	A	1.2	
FMD02-080-A27-PN11-08C	*	●		80	90.1	27	50	5	8	A	1.2	
FMD02-100-B32-PN11-07		●		100	110.1	32	50	5	7	B	1.8	
FMD02-100-B32-PN11-07C	*	○		100	110.1	32	50	5	7	B	1.8	
FMD02-100-B32-PN11-10		●		100	110.1	32	50	5	10	B	1.9	
FMD02-100-B32-PN11-10C	*	○		100	110.1	32	50	5	10	B	1.9	
FMD02-125-B40-PN11-08		● ●		125	135.1	40	63	5	8	B	2.9	
FMD02-125-B40-PN11-08C	*	○		125	135.1	40	63	5	8	B	2.9	
FMD02-125-B40-PN11-12		● ○		125	135.1	40	63	5	12	B	3.2	
FMD02-125-B40-PN11-12C	*	○		125	135.1	40	63	5	12	B	3.2	
FMD02-160-B40-PN11-10		● ○		160	170.1	40	63	5	10	B	5.6	
FMD02-160-B40-PN11-14		● ○		160	170.1	40	63	5	14	B	6.4	
FMD02-200-C60-PN11-12		○ ○		200	210.1	60	63	5	12	C	7.9	
FMD02-200-C60-PN11-16		●		200	210.1	60	63	5	16	C	8.5	
FMD02-200-C60-PN11-20		○		200	210.1	60	63	5	20	C	8.5	
FMD02-200-C60-PN11-24		●		200	210.1	60	63	5	24	C	8.6	
FMD02-250-C60-PN11-14		○		250	260.1	60	63	5	14	C	13.4	
FMD02-250-C60-PN11-18		● ○		250	260.1	60	63	5	18	C	18	
FMD02-250-C60-PN11-30		○		250	260.1	60	63	5	30	C	13.5	
FMD02-315-D60-PN11-26		○ ○		315	325.1	60	80	5	26	D	24.5	

PNEG1105

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B463

Cutting data > B224

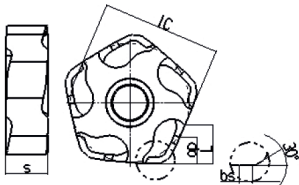
Spare parts

	Insert ØD	PNEG1105 50- 315	
	Screw (insert)	I60M4*10 (3.4 Nm)	
	Wrench (insert)	WT15IS	

Milling inserts

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

PNEG	L	I.C	S	d
11 05	5.4	15.875	5.56	4.64

PN** milling insert			HC ¹ (CVD)								HC ¹ (PVD)				HT	HC ²	HW								
	P	     		    		 																			
	M	     		    		 																			
	K					 		    	 																
	N								     	 		 													
	S			 				     	 																
	H																								
ISO			bs	a _p max	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	PNEG110512L-CF	1.6	5								○														
	PNEG110512R-CF	1.6	5								●														
	PNEG110512L-CM	1.6	5								○														
	PNEG110512R-CM	1.6	5								●														
	PNEG110512L-CR	1.6	5								○	○													
	PNEG110512R-CR	1.6	5								●	●													

● 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



A

Turning

B

Milling

C

Drilling

D

Technical Information

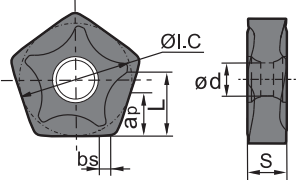
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- Ideal machining conditions
- Normal machining conditions
- Unfavourable machining conditions

PNEG	L	I.C	S	d
11 05	7.5	15.875	5.56	4.64

Milling inserts

PN** milling insert				HC ¹ (CVD)												HC ¹ (PVD)				HT	HC ²	HW							
				P																									
				M																									
				K																									
				N																									
				S																									
				H																									
ISO			bs	a _{p max}	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201				
	PNEG110512L-PF	1.6	7.5	○																									
	PNEG110512R-PF	1.6	7.5	○				○																					
	PNEG110512L-PM	1.6	7.5	○				○																					
	PNEG110512R-PM	1.6	7.5	●				●																					
	PNEG110512L-PR	1.6	7.5	○				●																					
	PNEG110512R-PR	1.6	7.5	○				●																					

● Ex stock ○ On demand

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

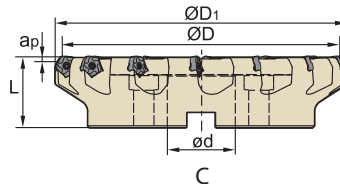
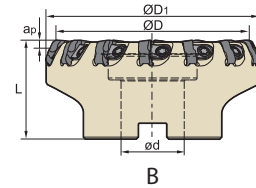
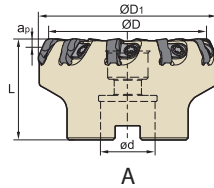
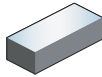
System code > B26

Grade selection > B24

Technical info > B463

Cutting data > B224

Face milling

FMD02 Kr: 67°


Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts 
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMD02-080-A27-PN11-10	●			80	90.1	27	50	5	10	A	1.3	PNEG1105
FMD02-100-B32-PN11-14	●	○		100	110.1	32	50	5	14	B	1.6	
FMD02-125-B40-PN11-18	●			125	135.1	40	63	5	18	B	3.2	
FMD02-160-B40-PN11-22	●			160	170.1	40	63	5	22	B	5.8	
FMD02-200-C60-PN11-28	○	○		200	210.1	60	63	5	28	C	8.5	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert ØD	PNEG1105 80-200	
	Screw (wedge)	DM6*20A (7.0 Nm)	
	Wedge	W18N	
	Wrench (wedge)	WT15IT	

System code > B26

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Cutting data > B224

PNEG	L	I.C	S	d
11 05	5.4	15.875	5.56	4.64

● Ex stock ○ On demand

HC ¹	Coated carbide
HT	Uncoated cermet
HC ²	Coated cermet
HW	Uncoated carbide

PNEG	L	I.C	S	d
11 05	7.5	15.875	5.56	4.64

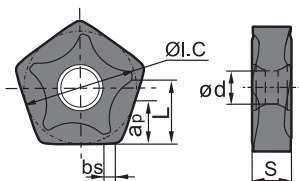
● Ex stock ○ On demand

HC ¹	Coated carbide
HT	Uncoated cermet
HC ²	Coated cermet
HW	Uncoated carbide

Milling inserts

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

PNEG	L	I.C	S	d
11 05	7.5	15.875	5.56	4.64

PN** milling insert				HC ¹ (CVD)								HC ¹ (PVD)						HT	HC ²	HW					
				P																					
				M																					
				K																					
				N																					
				S																					
				H																					
ISO			bs	a _p max	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	PNEG110512L-PM		1.6	7.5	○			○																	
	PNEG110512R-PM		1.6	7.5	●			●																	
	PNEG110512L-PR		1.6	7.5	○			●																	
	PNEG110512R-PR		1.6	7.5	○			●																	

● Ex stock ○ On demand

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

A

Turning

B

Milling

C

Drilling

D

Technical
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System code > B26

Grade selection > B24

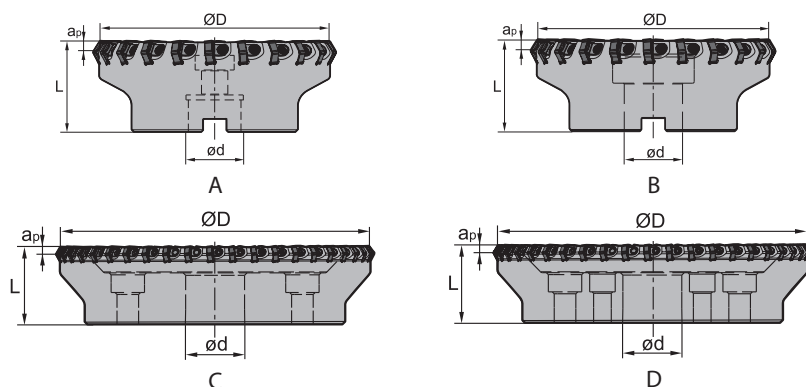
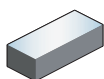
Technical info > B463

Cutting data > B224



Face milling

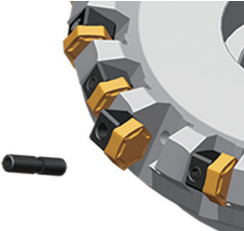
FMD02 Kr: 55°



Article	*	Stock		Dimensions [mm]				Teeth	Coupling	kg	Inserts
		R	L	ØD	Ød	L	ap max				
FMD02-080-A27-HN09-08	○			80	27	50	6	8	A	1.19	HNEX0905
FMD02-100-B32-HN09-10	○			100	32	50	6	10	B	1.77	
FMD02-125-B40-HN09-14	○			125	40	63	6	14	B	3.55	
FMD02-125-B40-HN09-18	○			125	40	63	6	18	B	3.7	
FMD02-160-B40-HN09-18	●			160	40	63	6	18	B	5.62	
FMD02-160-B40-HN09-22	○			160	40	63	6	22	B	5.6	
FMD02-200-C60-HN09-22	○			200	60	63	6	22	C	6.7	
FMD02-250-C60-HN09-28	○ ○			250	60	63	6	28	C	13	
FMD02-315-D60-HN09-44	○			315	60	63	6	44	D	21.7	

● Ex stock ○ On demand

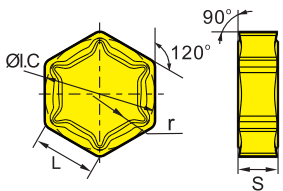
* With internal cooling

Spare parts			
	Insert	HNEX0905	
	ØD	80- 315	
	Screw (wedge)	DM6*20A (7.0 Nm)	
	Wedge	W18N	
	Wrench (wedge)	WT15IT	

Milling inserts

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

HNEX	L	I.C	S
09 05	9.16	15.875	5.56

HN** 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
	HNEX090512-DM	1.2							○	○													
	HNEX090512-DR	1.2							●	●													

● Ex stock ○ On demand

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

A

Turning

B

Milling

C

Drilling

D

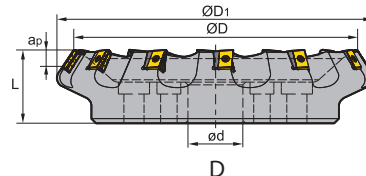
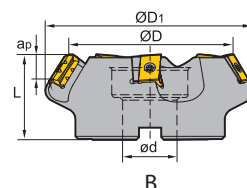
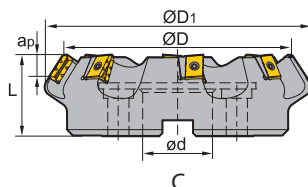
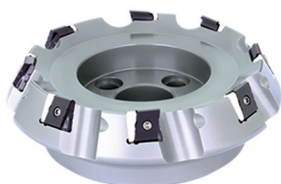
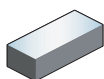
Technical
Information

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Face milling

FMD03 Kr: 60°



Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FMD03-100-B32-LN20-05		○		100	129	32	63	12	5	B	3.02	LNKT2007-ZR
FMD03-125-B40-LN20-06		●		125	153	40	63	12	6	B	4.5	
FMD03-160-C40-LN20-08		●		160	187	40	63	12	8	C	6.9	
FMD03-160-C40-LN20-09		○		160	187	40	63	12	9	C	6.7	
FMD03-200-C60-LN20-10		●		200	227	60	70	12	10	C	10.5	
FMD03-250-C60-LN20-12		●		250	276	60	70	12	12	C	13.4	LNKT2510-ZR
FMD03-315-D60-LN20-15		○		315	339	60	80	12	15	D	26.2	
FMD03-125-B40-LN25-05		○		125	154	40	63	16	5	B	4.5	
FMD03-160-C40-LN25-06		●		160	189	40	63	16	6	C	6.9	
FMD03-200-C60-LN25-08		●		200	229	60	70	16	8	C	10.5	
FMD03-250-C60-LN25-10		●		250	278	60	70	16	10	C	16.7	
FMD03-315-D60-LN25-12		○	○	315	346	60	80	16	12	D	27.3	LNKT2510-ZR
FMD03-400-D60-LN25-16		○	○	400	427	60	80	16	16	D	47.1	

● Ex stock ○ On demand

* With internal cooling

Spare parts				
	Insert	LNKT2007-ZR	LNKT2510-ZR	
	ØD	100- 315	125 -400	
	Screw (insert)	I60M4*15 (3.4 Nm)	I60M5*17 (6.7 Nm)	
	Screw (shim)	I60M3*7	I60M3.5*10.4	
	Shim	LLN20R-ZR	LLN25R-ZR	
	Wrench (insert)	WT15IS		
	Wrench (insert)		WT20IT	
	Wrench (shim)	WT09IS	WT15IS	

System code > B26

Grade selection > B24

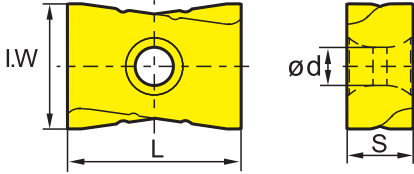
Technical info > B463

Cutting data > B224

Milling inserts

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

LNKT	L	S	d
20 07	20	7.94	4.6
25 10	25	9.525	5.5

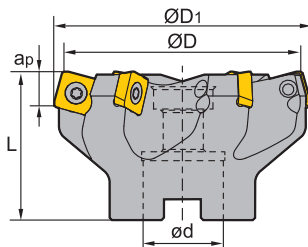
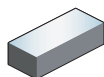
LN** milling insert		HC ¹ (CVD)							HC ¹ (PVD)				HT	HC ²	HW								
	P																						
	M																						
	K																						
	N																						
	S																						
	H																						
ISO		I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	LNKT2007DN-ZR	17				●		●	○								●						
	LNKT2510-ZR	18						●	●								●						

● Ex stock ○ On demand

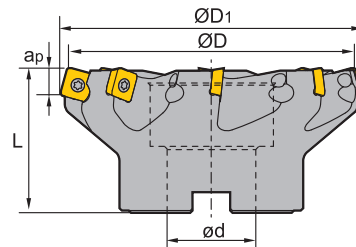
HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

Face milling

FME02 Kr: 75°



A



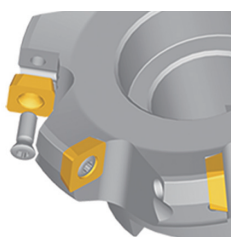
B

Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			ØD	ØD ₁	ød	L	a _{p max}				
FME02-050-A22-SP12-04	●		50	54	22	40	6	4	A	0.3	SPKT1204 SPKW1204
FME02-063-A22-SP12-05	●		63	66	22	50	6	5	A	0.6	
FME02-080-A27-SP12-06	●		80	83	27	50	6	6	A	0.9	
FME02-100-B32-SP12-07	●		100	103	32	50	6	7	B	1.4	
FME02-125-B40-SP12-08	●		125	128	40	63	6	8	B	2.5	

● Ex stock ○ On demand

* With internal cooling

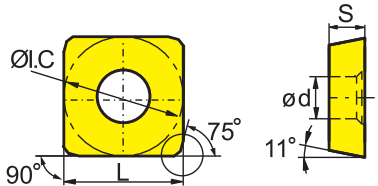
Spare parts		
	Insert	SPKT1204 SPKW1204 50-125
	ØD	
	Screw (insert)	I60M5*13.2 (6.7 Nm)
	Wrench (insert)	WT20IS



Milling inserts

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

SPKW	L	I.C	S	d
12 04	12.7	12.7	4.76	5.56

SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)				HT	HC ²	HW							
	P																				
	M																				
	K																				
	N																				
	S																				
	H																				
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG320	YBG205	YBG202	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SPKW1204EDFR													○							
	SPKW1204EDSR													●							

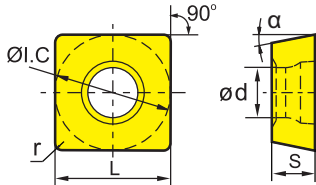
● Ex stock ○ On demand

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

Milling inserts

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

SPKT	L	I.C	S	d
12 04	12.7	12.7	4.76	5.56

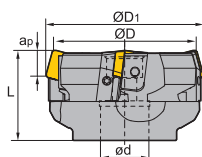
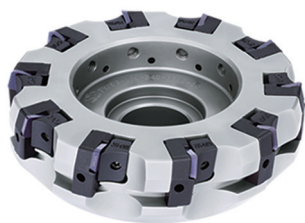
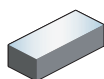
SP** milling insert		HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW						
	P	●	●	●	●	●	●	●	●	●	●	●	●	●								
	M	●	●	●	●	●		●	●	●	●	●	●	●	●							
	K						●	●				●	●			●						
	N							●								●	●					
	S			●		●		●	●	●	●											
	H																					
ISO		YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YBG320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SPKT1204EDR													●								

● Ex stock ○ On demand

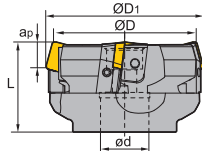
HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

Face milling

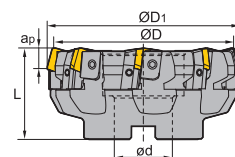
FME03 Kr: 75°



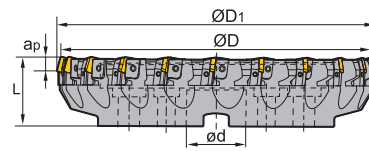
A



C



B



D

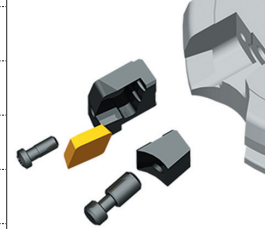
Article	*	Stock		Dimensions [mm]					Teeth	Coupling	kg	Inserts
		R	L	ØD	ØD ₁	ød	L	a _{p max}				
FME03-080-A27-SP12-04		○		80	84	27	50	6	4	A	1.1	SPKN1203 SPKR1203 SPEX1203
FME03-100-B32-SP12-06		●		100	104	32	50	6	6	B	1.9	
FME03-125-B40-SP12-08		○	○	125	129	40	63	6	8	B	3.5	
FME03-160-B40-SP12-10		●	○	160	164	40	63	6	10	B	5.7	
FME03-200-C60-SP12-12		○	○	200	203	60	63	6	12	C	8.2	
FME03-250-C60-SP12-16		○	○	250	253	60	63	6	16	C	13.8	
FME03-315-D60-SP12-20		○		315	318	60	70	6	20	D	23.5	SPKN1504 SPKR1504 SPEX1504
FME03-080-A27-SP15-04		○	○	80	84	27	50	8	4	A	1	
FME03-100-B27-SP15-06		○		100	104	27	50	8	6	B	1.8	
FME03-125-B40-SP15-08		●	○	125	129	40	63	8	8	B	3.3	
FME03-160-B40-SP15-10		○	○	160	164	40	63	8	10	B	5.4	
FME03-200-C60-SP15-12		○	○	200	204	60	63	8	12	C	7.9	
FME03-250-C60-SP15-16		○	○	250	253	60	63	8	16	C	13.6	
FME03-315-D60-SP15-20		○	○	315	318	60	70	8	20	D	23.1	

● Ex stock ○ On demand

* With internal cooling

Spare parts

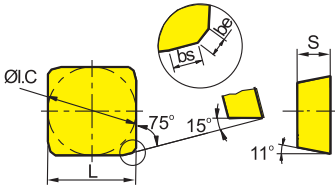
	Insert	SPKN1203 SPKR1203 SPEX1203	SPKN1203 SPKR1203 SPEX1203	SPKN1504 SPKR1504 SPEX1504
	ØD	80-100	125-315	80-315
	Adjustable screw	LOM5*15.1	LOM5*15.1	LOM5*15.1
	Cassette (left)	LSP12L	LSP12L	LSP15L
	Cassette (right)	LSP12R	LSP12R	LSP15R
	Screw (wedge)	WM8*17	WM8*22	WM8*22
	Wedge (left)	W04L	W04L	W04L
	Wedge (right)	W04R	W04R	W04R
	Wrench (locator)	WT20T	WT20T	WT20T
	Wrench (wedge)	WT25T	WT25T	WT25T



Milling inserts

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

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

SP** milling insert			HC ¹ (CVD)										HC ¹ (PVD)					HT	HC ²	HW					
	P																								
	M																								
	K																								
	N																								
	S																								
	H																								
ISO			be	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SPKN1203EDFL	1	1.4																						
	SPKN1203EDFR	1	1.4																						
	SPKN1203EDSKL	1	1.4																						
	SPKN1203EDSKR	1	1.4																						
	SPKN1203EDTKR	1	1.4																						
	SPKN1504EDFL	1	1.4																						
	SPKN1504EDFR	1	1.4																						
	SPKN1504EDS32PR	1	1.4																						
	SPKN1504EDSKL	1	1.4																						
	SPKN1504EDSKR	1	1.4																						
	SPKN1504EDTKR	1	1.4																						

● Ex stock ○ On demand

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

A

Turning

B

Milling

C

Drilling

D

Technical Information

E

Index

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

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

Milling inserts

SP** milling insert			HC ¹ (CVD)								HC ¹ (PVD)				HT	HC ²	HW								
			P																						
			M																						
			K																						
			N																						
			S																						
			H																						
ISO			be	bs	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SPKR1203EDL-GM	1	1.4						○																
	SPKR1203EDR-GM	1	1.4						●																
	SPKR1504EDR-GM	1	1.4						○									○							
	SPKR1203EDR	1	1.4		○																				

● Ex stock ○ On demand

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

System code > B26

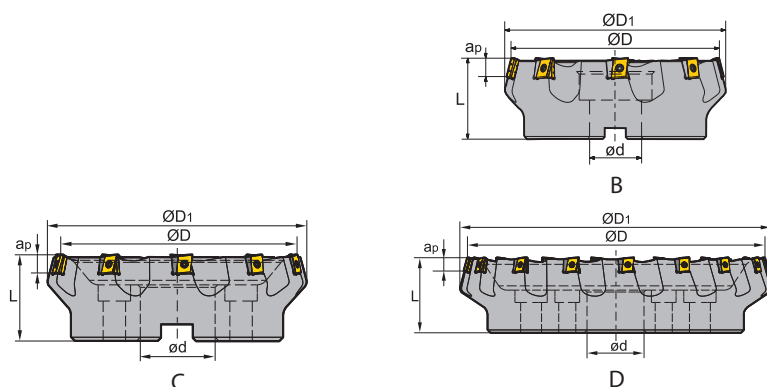
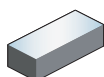
Grade selection > B24

Technical info > B463

Cutting data > B224

Face milling

FME04 Kr: 75°



Article	*	Stock	Dimensions [mm]					Teeth	Coupling	kg	Inserts
			ØD	ØD ₁	ød	L	a _p max				
FME04-125-B40-LN15-06	●		125	137	40	63	10	6	B	3.8	LNKT1506-ZR
FME04-160-B40-LN15-08	●		160	170	40	63	10	8	C	6.6	
FME04-200-C60-LN15-10	●		200	208	60	70	10	10	C	9.6	
FME04-250-C60-LN15-12	○		250	257	60	70	10	12	C	13.4	
FME04-315-D60-LN15-16	○		315	328	60	80	10	16	D	25.2	

● Ex stock ○ On demand

* With internal cooling

Spare parts			
Insert	LNKT1506-ZR		
ØD	125 - 315		
Screw (insert)	I60M4*12 (3.4 Nm)		
Screw (shim)	I60M3*7		
Shim	LLN15-ZR		
Wrench (insert)	WT15IS		
Wrench (shim)	WT09IS		

A

Turning

B

Milling

C

Drilling

D

Technical
Information

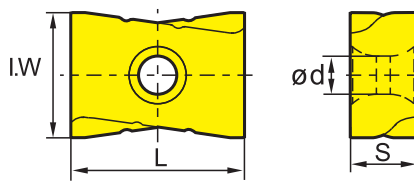
E

Index

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

LNKT	L	S	d
15 06	15,875	6.35	4.6

Milling inserts

LN** milling insert		HC ¹ (CVD)										HC ¹ (PVD)				HT	HC ²	HW												
	P																													
	M																													
	K																													
	N																													
	S																													
	H																													
ISO		I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201							
	LNKT1506EN-ZR	14	●			○	●	●	●								○													

● Ex stock ○ On demand

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

System code > B26

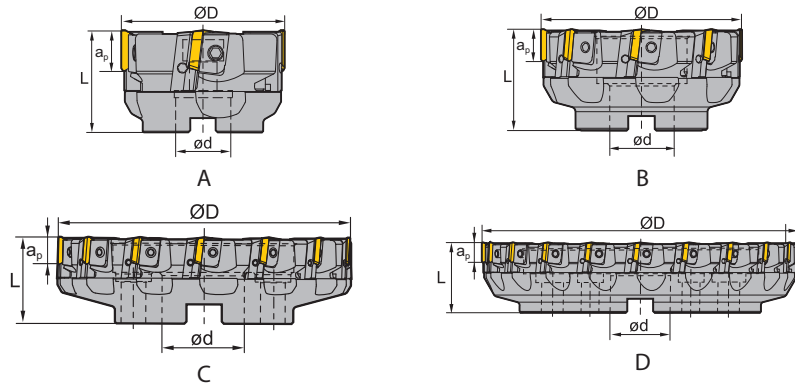
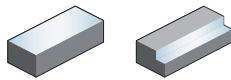
Grade selection > B24

Technical info > B463

Cutting data > B224

Face milling

FMP01 Kr: 90°



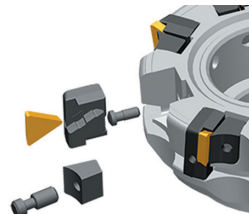
Article	*	Stock		Dimensions [mm]				Teeth	Coupling	kg	Inserts 
		R	L	ØD	ød	L	a _{p max}				
FMP01-080-A27-TP22-04	●			80	27	50	18	4	A	1.2	TPKN2204
FMP01-100-B32-TP22-06	●			100	32	50	18	6	B	1.7	
FMP01-125-B40-TP22-08	● ○			125	40	63	18	8	B	3.2	
FMP01-160-B40-TP22-10	● ○			160	40	63	18	10	B	5.1	
FMP01-200-C60-TP22-12	● ○			200	60	63	18	12	C	7.4	
FMP01-250-C60-TP22-16	○ ○			250	60	63	18	16	C	12.3	
FMP01-315-D60-TP22-20	○ ○			315	60	70	18	20	D	21.9	

● Ex stock ○ On demand

* With internal cooling

Spare parts

	Insert ØD	TPKN2204 80-100	TPKN2204 125 - 315
	Adjustable screw	LOM5*15.1	LOM5*15.1
	Cassette (left)	LTP4L1	LTP4L
	Cassette (right)	LTP4R1	LTP4R
	Screw (wedge)	WM8*12	WM8*22
	Wedge (left)	W04L	W04L
	Wedge (right)	W04R	W04R
	Wrench (locator)	WT20T	WT20T
	Wrench (wedge)	WT25T	WT25T



System code > B26

Grade selection > B24

Technical info > B463

Cutting data > B224

A

Turning

B

Milling

C

Drilling

D

Technical
Information

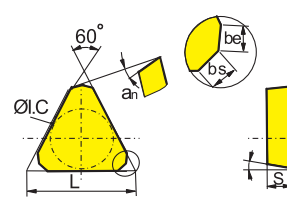
E

Index

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

TPKN	L	I.C	S
22 04	22	12.7	4.76

Milling inserts

TP** milling insert				HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW																																																																																																																																																																																																																																																																																																																																																																																		
				P																																																																																																																																																																																																																																																																																																																																																																																																

● Ex stock ○ On demand

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

System code > B26

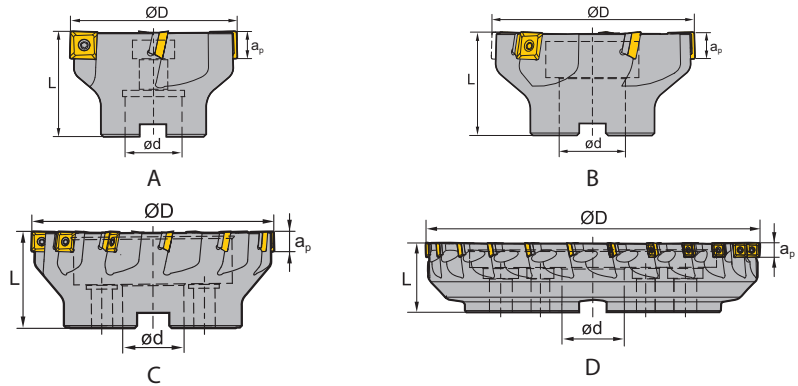
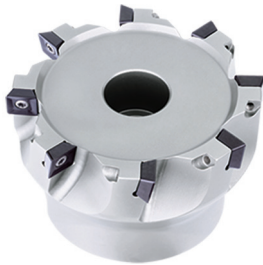
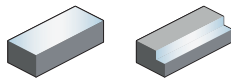
Grade selection > B24

Technical info > B463

Cutting data > B224

Face milling

FMP02 Kr: 90°



Article	*	Stock	Dimensions [mm]				Teeth	Coupling	kg	Inserts
			ØD	ød	L	a _p max				
FMP02-050-A22-SE09-05		●	50	22	40	6.7	5	A	0.3	SEET09T3
FMP02-050-A22-SE09-05C	*	●	50	22	40	6.7	5	A	0.3	
FMP02-063-A22-SE09-06		●	63	22	40	6.7	6	A	0.5	
FMP02-063-A22-SE09-06C	*	●	63	22	40	6.7	6	A	0.5	
FMP02-080-A27-SE09-08		●	80	27	50	6.7	8	A	0.9	
FMP02-100-B32-SE09-08		○	100	32	50	6.7	8	B	1.7	
FMP02-100-B32-SE09-10		○	100	32	50	6.7	10	B	1.7	
FMP02-100-B32-SE09-10C	*	○	100	32	50	6.7	10	B	1.7	
FMP02-125-B40-SE09-12		●	125	40	63	6.7	12	B	2.6	
FMP02-125-B40-SE09-12C	*	○	125	40	63	6.7	12	B	2.6	
FMP02-050-A22-SE12-03		○	50	22	40	10.8	3	A	0.3	SEET1203
FMP02-050-A22-SE12-04		●	50	22	40	10.8	4	A	0.3	
FMP02-050-A22-SE12-04C	*	●	50	22	40	10.8	4	A	0.3	
FMP02-050-A22-SE12-05		●	50	22	40	10.8	5	A	0.2	
FMP02-050-A22-SE12-05C	*	○	50	22	40	10.8	5	A	0.2	
FMP02-063-A22-SE12-04		○	63	22	40	10.8	4	A	0.4	
FMP02-063-A22-SE12-05		●	63	22	40	10.8	5	A	0.4	
FMP02-063-A22-SE12-05C	*	●	63	22	40	10.8	5	A	0.4	
FMP02-063-A22-SE12-06		●	63	22	40	10.8	6	A	0.4	
FMP02-063-A22-SE12-06C	*	○	63	22	40	10.8	6	A	0.4	
FMP02-080-A27-SE12-04		○	80	27	50	10.8	4	A	0.9	
FMP02-080-A27-SE12-06		●	80	27	50	10.8	6	A	0.8	
FMP02-080-A27-SE12-06C	*	●	80	27	50	10.8	6	A	0.8	
FMP02-080-A27-SE12-08		●	80	27	50	10.8	8	A	0.8	
FMP02-080-A27-SE12-08C	*	○	80	27	50	10.8	8	A	0.8	
FMP02-100-B32-SE12-05		●	100	32	50	10.8	5	B	1.2	
FMP02-100-B32-SE12-07		●	100	32	50	10.8	7	B	1.2	
FMP02-100-B32-SE12-10		●	100	32	50	10.8	10	B	1.2	
FMP02-100-B32-SE12-10C	*	○	100	32	50	10.8	10	B	1.2	

● Ex stock ○ On demand

* With internal cooling

System code > B26

Grade selection > B24

Technical info > B463

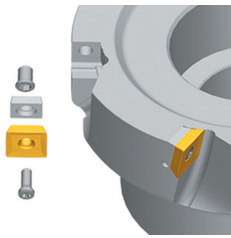
Cutting data > B224



Article	*	Stock	Dimensions [mm]				Teeth	Coupling		Inserts 
			ØD	ød	L	a _{p max}				
FMP02-125-B40-SE12-06		○	125	40	63	10.8	6	B	3.1	SEET1203
FMP02-125-B40-SE12-08		●	125	40	63	10.8	8	B	3	
FMP02-125-B40-SE12-08C	*	○	125	40	63	10.8	8	B	3	
FMP02-125-B40-SE12-12		●	125	40	63	10.8	12	B	2.9	
FMP02-160-C40-SE12-08		●	160	40	63	10.8	8	C	4.1	
FMP02-160-C40-SE12-12		●	160	40	63	10.8	12	C	3.9	
FMP02-200-C60-SE12-16		●	200	60	63	10.8	16	C	6.1	
FMP02-250-C60-SE12-12		○	250	60	63	10.8	12	C	11.1	
FMP02-250-C60-SE12-18		●	250	60	63	10.8	18	C	10.9	
FMP02-315-D60-SE12-24		○	315	60	63	10.8	24	D	21.6	

● Ex stock ○ On demand

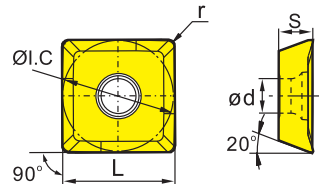
* With internal cooling

Spare parts					
Insert	SEET09T3	SEET1203	SEET1203	SEET1203	
ØD	50-125	50	50	63-315	
	Screw (insert)	I60M3*7 (1.8 Nm)	I60M3.5*10 (2.7 Nm)	I60M3.5*12 (2.7 Nm)	
	Screw (shim)			SM5*7XA	
	Shim			S12BSX	
	Wrench (insert)	WT09IS	WT15IS	WT15IS	
	Wrench (shim)			WH35L	

SEET	L	I.C	S	d
09 T3	9.525	9.525	4.01	3.3
12 03	13.308	13.308	4.04	4.1

Milling inserts

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

SE** 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	YBG320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SEET09T308PER-APF	0.8						●				○	○										
	SEET120308PER-APF	0.8						●				○	○										

● Ex stock ○ On demand

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

System code > B26

Grade selection > B24

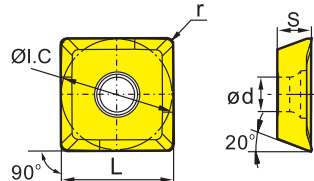
Technical info > B463

Cutting data > B224

Milling inserts

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

SEET	L	I.C	S	d
09 T3	9.525	9.525	4.01	3.3
12 03	13.308	13.308	4.04	4.1

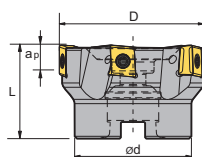
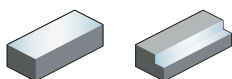
SE** milling insert			HC ¹ (CVD)						HC ¹ (PVD)						HT	HC ²	HW							
			P																					
			M																					
			K																					
			N																					
			S																					
			H																					
ISO			r	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	SEET09T308PER-APM	0.8						●					○	○										
	SEET120308PER-APM	0.8						●					○	●										
	SEET09T308PER-APR	0.8						●					○	○										
	SEET120308PER-APR	0.8						●					○	○										
	SEET120308-LH	0.8										○	○										●	
	SEET09T308PER-PF	0.8														●								
	SEET120308PER-PF	0.8	●	●				○								●								
	SEET09T308PER-PM	0.8								○						●								
	SEET120308PER-PM	0.8	●				●	●	●	●		●			●	●	●							
	SEET09T308PER-PR	0.8							●								○							
	SEET120308PER-PR	0.8	●				●	●	●	●		○			○	○	○							

● Ex stock ○ On demand

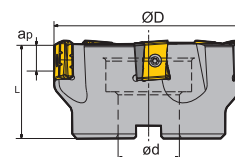
HC¹ Coated carbide
HT Uncoated cermet
HC² Coated cermet
HW Uncoated carbide

Face milling

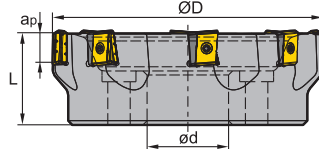
FMP03 Kr: 89°



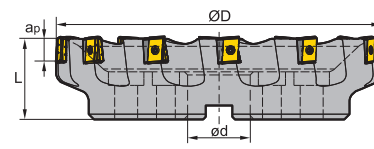
A



B



C



D

Article	*	Stock		Dimensions [mm]				Teeth	Coupling	kg	Inserts
		R	L	ØD	ød	L	ap max				
FMP03-050-A22-LN12-04C	*	●		50	22	40	7	4	A	0.3	LNKT120608-ZR
FMP03-050-A22-LN12-05C	*	○		50	22	40	7	5	A	0.3	
FMP03-063-A22-LN12-05C	*	●		63	22	40	7	5	A	0.5	
FMP03-063-A27-LN12-05C	*	○		63	27	50	7	5	A	0.64	
FMP03-063-A22-LN12-06C	*	○		63	22	40	7	6	A	0.5	
FMP03-063-A27-LN12-06C	*	●		63	27	50	7	6	A	0.65	
FMP03-063-A27-LN12-07C	*	○		63	27	50	7	7	A	0.64	
FMP03-080-A27-LN12-06C	*	●		80	27	50	7	6	A	1	LNKT1506EN-ZR
FMP03-080-A27-LN12-07C	*	○		80	27	50	7	7	A	1	
FMP03-100-B32-LN12-06		○		100	32	50	7	6	B	1.47	
FMP03-125-B40-LN15-06		●		125	40	63	12	6	B	3.2	LNKT2007DN-ZR
FMP03-160-C40-LN15-08		●		160	40	63	12	8	C	5.1	
FMP03-160-C40-LN15-09		○		160	40	63	12	9	C		
FMP03-200-C60-LN15-10		●		200	60	70	12	10	C	7.5	
FMP03-250-C60-LN15-12		○		250	60	70	12	12	C	12.2	LNKT2510-ZR
FMP03-250-C60-LN15-13		○		250	60	70	12	13	C		
FMP03-315-D60-LN15-16		○		315	60	80	12	16	D	23.7	
FMP03-125-B40-LN20-06		○		125	40	63	16	6	B	3.3	
FMP03-160-C40-LN20-08		●		160	40	63	16	8	C	5.3	LNKT2510-ZR
FMP03-160-C40-LN20-09		○		160	40	63	16	9	C		
FMP03-200-C60-LN20-10		●		200	60	70	16	10	C	8.8	
FMP03-200-C60-LN20-11		○		200	60	70	16	11	C		
FMP03-250-C60-LN20-12		●		250	60	70	16	12	C	14	LNKT2510-ZR
FMP03-315-D60-LN20-15		○		315	60	80	16	15	D	23.9	
FMP03-125-B40-LN25-05		○		125	40	63	20	5	B	3.3	
FMP03-160-C40-LN25-06		○	○	160	40	63	20	6	C	5.1	
FMP03-200-C60-LN25-08		○		200	60	70	20	8	C	8.9	LNKT2510-ZR
FMP03-250-C60-LN25-10		●	○	250	60	70	20	10	C	12	
FMP03-315-D60-LN25-12		○	○	315	60	80	20	12	D	21.9	

● Ex stock ○ On demand

* With internal cooling

System code > B26

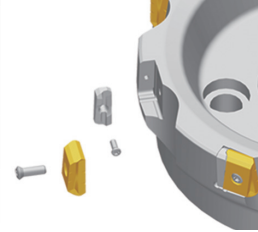
Grade selection > B24

Technical info > B463

Cutting data > B224

Spare parts

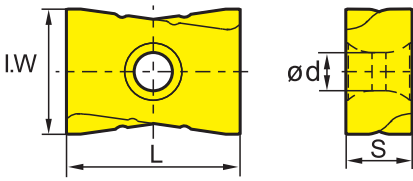
Insert	LNKT120608-ZR	LNKT1506EN-ZR	LNKT2007DN-ZR	LNKT2510-ZR
ØD	50-100	125 - 315	125 - 315	125 - 315
	Screw (insert)	I60M4*12 (3.4 Nm)	I60M4*12 (3.4 Nm)	I60M4*15 (3.4 Nm)
	Screw (shim)		I60M3*7	I60M3*7
	Shim		LLN15-ZR	LLN20R-ZR
	Wrench (insert)	WT15IS	WT15IS	WT15IS
	Wrench (insert)			WT20IT
	Wrench (shim)		WT09IS	WT15IS



Milling inserts

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

LNKT	L	S	d
12 06	12.7	6.65	4.4
15 06	15.875	6.35	4.6
20 07	20	7.94	4.6
25 10	25	9.525	5.5

LN** milling insert		HC ¹ (CVD)						HC ¹ (PVD)				HT	HC ²	HW									
	P																						
	M																						
	K																						
	N																						
	S																						
	H																						
ISO		I.W	YBC302	YBC301	YBC401	YBM253	YBM251	YBM351	YBD152	YBD252	YBG101	YBG102	YB9320	YBG205	YBG202	YBG212	YBG302	YBG152	YBG252	YNG151	YNG151C	YD101	YD201
	LNKT120608-ZR	12	●			●							●					○					
	LNKT1506EN-ZR	14		●			○	●	●	●								○					
	LNKT2007DN-ZR	17				●		●		○								●					
	LNKT2510-ZR	18						●	●									●					

● Ex stock ○ On demand

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

Notes

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D

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