

AN MI TOOLS



SYNCHRONOUS SOLUTION

AN MI TOOLS

BEST - SELLING MILLING INSERT

2025

Ha Noi : Suite 409, CT4 Building, Song Da Urban Area, Me Tri Street,
Nam Tu Liem District, Ha Noi
Tel : +84 24 3556 2635

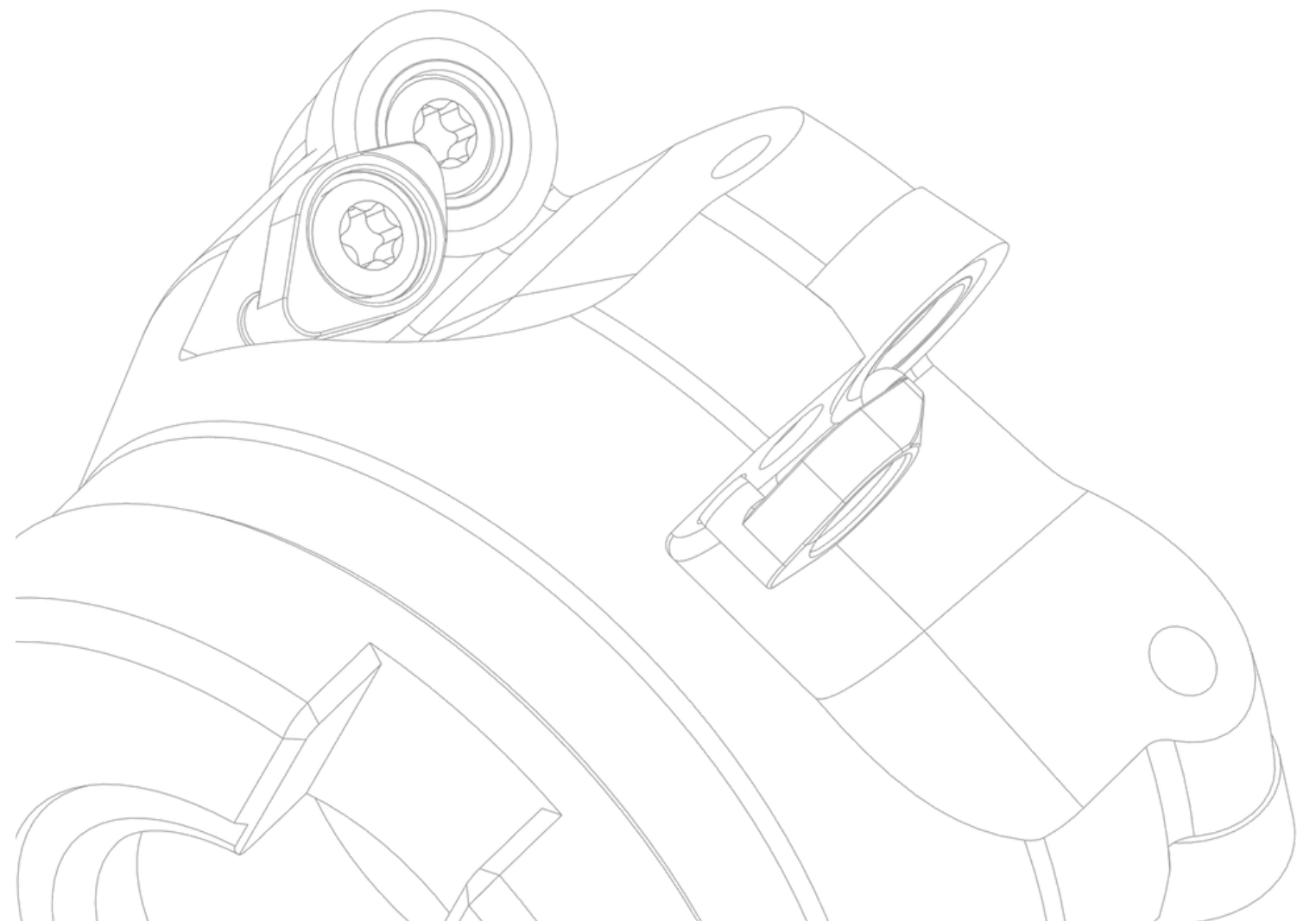
Ho Chi Minh : 75 Do Xuan Hop, W. Phuoc Long B, Thu Duc, HCM
Tel : +84 28 6262 3959

Hai Phong : P2825 Hoang Huy Grand Tower 2A, Hong Bang District, Hai Phong

Da Nang : 85 Hoang Van Thai, Lien Chieu, Da Nang
Vinh Phuc : 17 Ton Duc Thang, Vinh Yen, Vinh Phuc
Bac Ninh : 76 Nguyen Dang, Suoi Hoa, Bac Ninh

North Factory: L3, Pho Noi Textile Garment Industrial Park, My Hao District, Hung Yen

South Factory: 75 Do Xuan Hop, W. Phuoc Long B, Thu Duc, HCM



Milling Insert Naming Rule

Shape

T P K N2204ED T32 R OPM

A	B	C
		
D	E	H
		
K	L	M
		
O	P	R
		
S	T	T
		
V	W	Z
		

Clearance Angle

T P K N2204ED T32 R OPM

A	B
	
C	D
	
E	F
	
G	N
	
P	O
	Others

Chip Breaker and Hole

T P K N2204ED T32 R OPM

Symbol	Center Hole	Chip Breaker	Insert Profile	Symbol	Center Hole	Chip Breaker	Insert Profile
B	Y	N		N	N	N	
H	Y	S		R	N	S	
C	Y	N		F	N	D	
J	Y	D		A	Y	N	
W	Y	N		M	Y	S	
T	Y	S		G	Y	D	
Q	Y	N		X			
U	Y	D					

Tolerance

T P K N2204ED T32 R OPM

Symbol	m (mm)	d=I.C. (mm)	s (mm)	(reference)M grade tolerance detail(according to shape, size.) Tolerance of insert nose height							
				Inscribed Circle	Regular Triangle	Square	80° Rhombus	55° Rhombus	35° Rhombus	Round	
				6.35	±0.08	±0.08	±0.08	±0.11	±0.16	...	
				9.525	±0.08	±0.08	±0.08	±0.11	±0.16	...	
				12.7	±0.13	±0.13	±0.13	±0.15	...	...	
A	±0.005	±0.025	±0.025	15.875	±0.15	±0.15	±0.15	±0.18	...	...	
F	±0.005	±0.013	±0.025	19.05	±0.15	±0.15	±0.15	±0.18	...	...	
C	±0.013	±0.025	±0.025	25.4	...	±0.18	...	...	...	...	
H	±0.013	±0.013	±0.013	●Tolerance of Inscribed Circle							
E	±0.025	±0.025	±0.025	Inscribed Circle	Regular Triangle	Square	80° Rhombus	55° Rhombus	35° Rhombus	Round	
G	±0.025	±0.025	±0.13								
J	±0.005	±0.05-±0.13	±0.025	6.35	±0.05	±0.05	±0.05	±0.05	±0.05		
K	±0.013	±0.05-±0.13	±0.025	9.525	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05	
L	±0.025	±0.05-±0.13	±0.025	12.7	±0.08	±0.08	±0.08	±0.08	...	±0.08	
M	±0.08-±0.18	±0.05-±0.13	±0.13	15.875	±0.1	±0.1	±0.1	±0.1	...	±0.1	
N	±0.08-±0.18	±0.05-±0.13	±0.025	19.05	±0.1	±0.1	±0.1	±0.1	...	0.1	
U	±0.13-±0.38	±0.08-±0.25	±0.1	25.4	...	±0.13	±0.13	...	...	±0.13	

Milling Insert Naming Rule

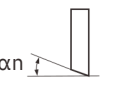
Cutting Edge Length

T P K N2204ED T32 R OPM

Inscribed Circle diameter(mm)	Insert Shape							
	C	D	R	S	T	V	W	K
3.97								
5			05		06			
5.56					09			
6			06					
6.35	06	07			11	11		
8			08					
9.525	09	11	09	09	16	16	06	16
10			10					
12			12					
12.7	12	15	12	12	22	22	08	
15.875	16		15	15	27			
16			19	16				
19.05	19		19	19	33			
20			20					
25	25	25	25					
25.4			25	25				
31.75			31					
32			32					

Wiper Land and Clearance Angle

T P K N2204ED T32 R OPM

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

Cutting Egde Preparation(mm)

T P K N2204ED T32 R OPM

F					K
E	0 5°	0 0.1	1 0.15	1 0.2	P
T	2 15°	2 0.2	3 0.25	4 0.3	W
S	5 30°	5 0.35	6 0.4	7 0.45	

Cutting Direction

T P K N2204ED T32 R OPM

R	Right
L	Left
N	Neutral

Chip Breaker

T P K N2204ED T32 R OPM

OPF	OPM
	
OPR	
	

Milling Tools Naming Rule

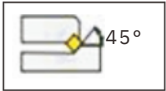
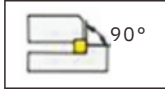
Type of Tools

FM 45 2 A22 63 5 SN L

FM	LM	SM	HM	RM	CM
Face milling Quare-shoulder milling	Indexable Helical Milling Tool	Slot milling	High feed	Profiling tool	Chamfer milling

Lead Angle

FM 45 2 A22 63 5 SN L

45°	75°	90°
		

Differentiate Code

FM 45 2 A22 63 5 SN L

Cutting Tool Diameter

FM 45 2 A22 63 5 SN L

Milling Tools Naming Rule

Adaptor Type

FM 45 2 A22 63 5 SN L

A	B	C	D	P	W	MT
A interface	B interface	C interface	D interface	Cylindrical shank	Lateral solid	Morse taper shank

Teeth Number

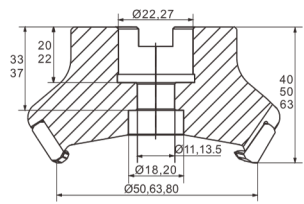
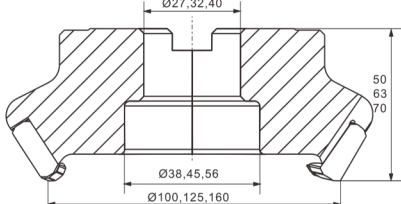
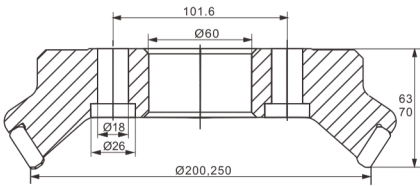
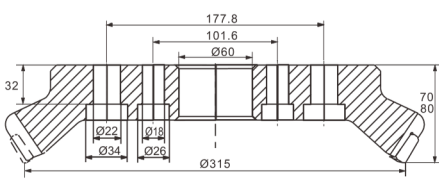
FM 45 2 A22 63 5 SN L

Type

FM 45 2 A22 63 5 SN L

Cutting Direction : Right / Left

FM 45 2 A22 63 5 SN L

Shell Structure			
Type of Adapter		Type of Adapter	
GB5342-96 of φ50-φ80 shell Facmilling Cutter		GB5342-96 of φ100-φ160 shell Facmilling Cutter	
Type of Adapter		Type of Adapter	
GB5342-96 of φ50-φ80 shell Facmilling Cutter		GB5342-96 of φ315Facmilling Cutter	

Grade introduction

Coating	Brand	P	M	K	N	S	H
CVD	OC3220			»			
PVD	OP2202	=		=			
	OP1315	»	»	»			
	OP1325	»	»	»			
	OP1030	»		»			
	OP1630	»					
	OP1340	#	#				
Uncoated	OK434				»		

= stable cutting condition

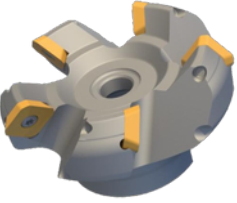
» normal cutting condition

bad cutting condition

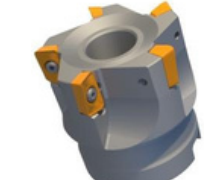
Chipbreaker introduction

chipbreaker	structure schematic	application scenarios
OM		
OL		sharp cutting edge design, provide smooth cutting, suitable for steady cutting condition. strength cutting edge design, good anti-impact resistance, highly optimized for general use.

Indexable milling insert list

Type	Tool Shape	Approach angle La MAX	Diameter	Adaptable Inserts	Insert Shape
Face Milling	FM451 	KAPR=4°5 APMX=5.9	Ø50-Ø200	SEKT12T3* SEET12T3*	
	FM454 	KAPR=4°5 APMX=4.3	Ø50-Ø200	ODMT0605*	
	FM452 	KAPR=4°5 APMX=6.5	Ø50-Ø250	SNMX1306A*	
	FM752 	KAPR=7°5 APMX=10.0	Ø50-Ø200	SNMX1306E*	

Indexable milling insert list

Type	Tool Shape	Approach angle La MAX	Diameter	Adaptable Inserts	Insert Shape
Face Milling	FM882 	KAPR=8°8 APMX=11.0	50- 200	SNMX1306Z*	
	FM453 	KAPR=4°5 APMX=5.5	50- 200	ONMU0504* ONMU0705* ONMU0906*	
Square Shoulder Milling	FM901  	KAPR=9°0 APMX=15.0	16- 80	APMT1135* APMT1604*	
	FM901F 	KAPR=9°0 APMX=10.0	16- 26	BXKT11T3*	

Indexable milling insert list

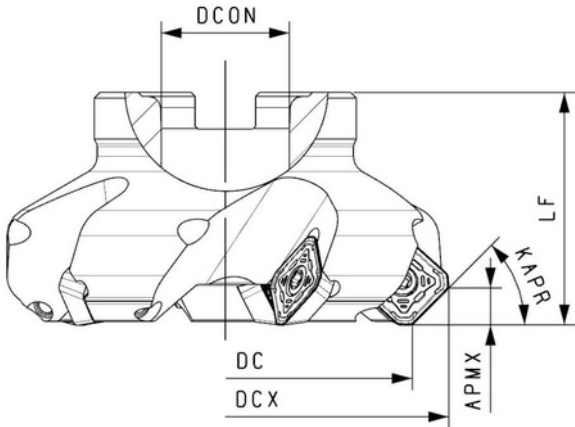
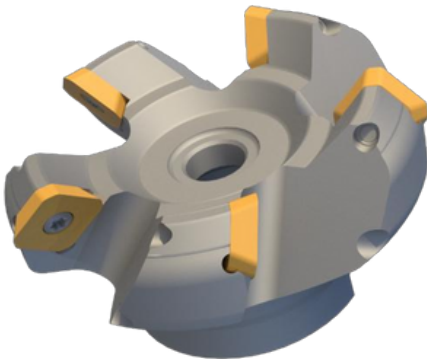
Type	Tool Shape	Approach angle La MAX	Diameter	Adaptable Inserts	Insert Shape
Square Shoulder Milling	FM902 	KAPR=90 ° APMX=13.0	Ø50-Ø200	TNGX1306*	
	FM903  	KAPR=90 ° APMX=8.0	Ø20-Ø200	WNMX0403* WNMX0806*	
	FM904 	KAPR=90 ° APMX=12.4	Ø20-Ø80	LNGX1306*	
	FM905 	KAPR=90 ° APMX=10.7	Ø40-Ø200	SDKT13T3*	

Indexable milling insert list

Type	Tool Shape	Approach angle La MAX	Diameter	Adaptable Inserts	Insert Shape
Profiling tool	RM01 		Ø25-Ø125	RPMW1003* RPKT1204*	
	RM02 		Ø16-Ø63	RDKW10T3* RDKW1204*	
High feed	HM192 	KAPR=19 ° APMX=1.9	Ø50-Ø125	PDMT1305*	

Face milling FM451 series

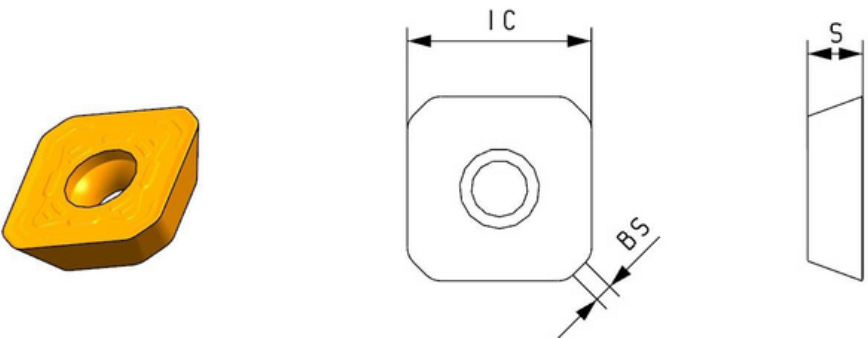
KAPR=45 °



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM451-A22-50-3-SE12	●	3	50	63.7	22	40		5.9	A	SE*12T3 *	SA03512	T15P
TH-FM451-A22-50-4-SE12	●	4	50	63.7	22	40		5.9	A			
TH-FM451-A22-63-4-SE12	●	4	63	76.7	22	40		5.9	A			
TH-FM451-A22-63-5-SE12	●	5	63	76.7	22	40		5.9	A			
TH-FM451-A27-80-4-SE12	●	4	80	93.7	27	50		5.9	A			
TH-FM451-A27-80-6-SE12	●	6	80	93.7	27	50		5.9	A			
TH-FM451-B32-100-5-SE12	●	5	100	113.7	32	50		5.9	B			
TH-FM451-B32-100-7-SE12	●	7	100	113.7	32	50		5.9	B			
TH-FM451-B40-125-6-SE12	●	6	125	138.7	40	63		5.9	B			
TH-FM451-B40-125-8-SE12	●	8	125	138.7	40	63		5.9	B			
TH-FM451-C40-160-10-SE12	○	10	160	173.7	40	63		5.9	C			
TH-FM451-C60-200-12-SE12	○	12	200	213.7	60	63		5.9	C			

● Stock available ○ Make-to-order

FM451 milling insert

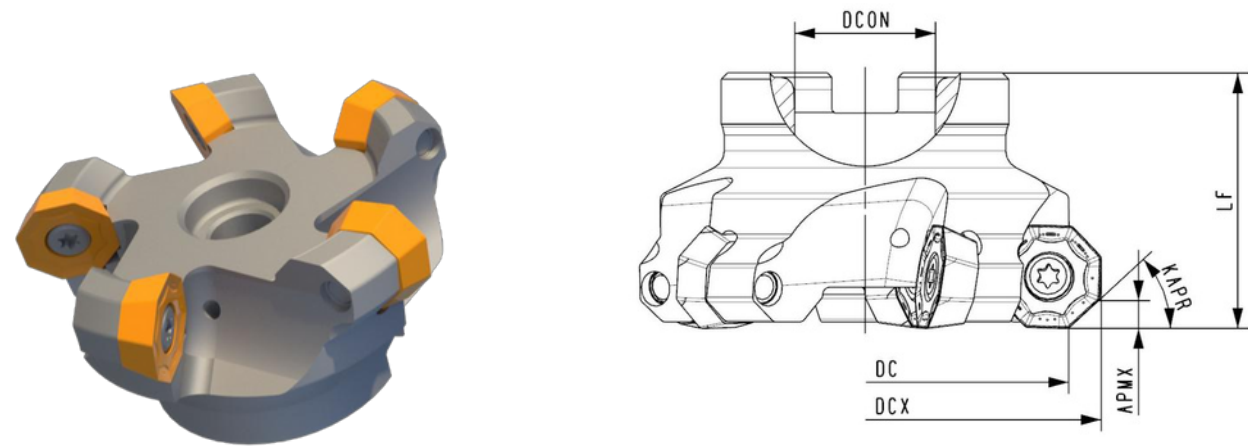


= stable cutting condition																	» normal cutting condition				# bad cutting condition		
Material	P									=	»	»	»	»	»	#							
	M										»	»			#								
	K								»	=	»	»	»										
	N															»							
	S																						
	H																						
Type	Dimension								C V D	P V D							Uncoated						
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434								
IC-SEET12T3-QPF	13.4			3.97			1.3			○													
IC-SEET12T3-QPM	13.4			3.97			1.3		○	○		○											
IC-SEET12T3-QPR	13.4			3.97			1.3		○	○													
IC-SEKT12T3-OM	13.4			3.97			1.3		○		●												

● Stock available ○ Make-to-order

Face milling FM454 series

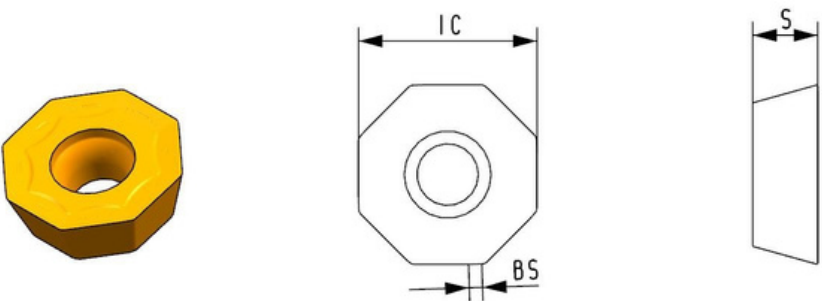
KAPR=45 °



Type	stock	Number of flutes	Dimension						Interfa ce	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM454-A22-50-4-OD06-C	●	4	50	60.4	22	40		4.3	A	OD*0605ADR*	SA0512	T20P
TH-FM454-A22-63-5-OD06-C	●	5	63	73.4	22	40		4.3	A			
TH-FM454-A27-80-6-OD06-C	●	6	80	90.4	27	50		4.3	A			
TH-FM454-B32-100-7-OD06	●	7	100	110.4	32	50		4.3	B			
TH-FM454-B40-125-8-OD06	●	8	125	135.4	40	63		4.3	B			
TH-FM454-C40-160-10-OD06	○	10	160	170.4	40	63		4.3	C			
TH-FM454-C60-200-12-OD06	○	12	200	210.4	60	63		4.3	C			

● Stock available ○ Make-to-order

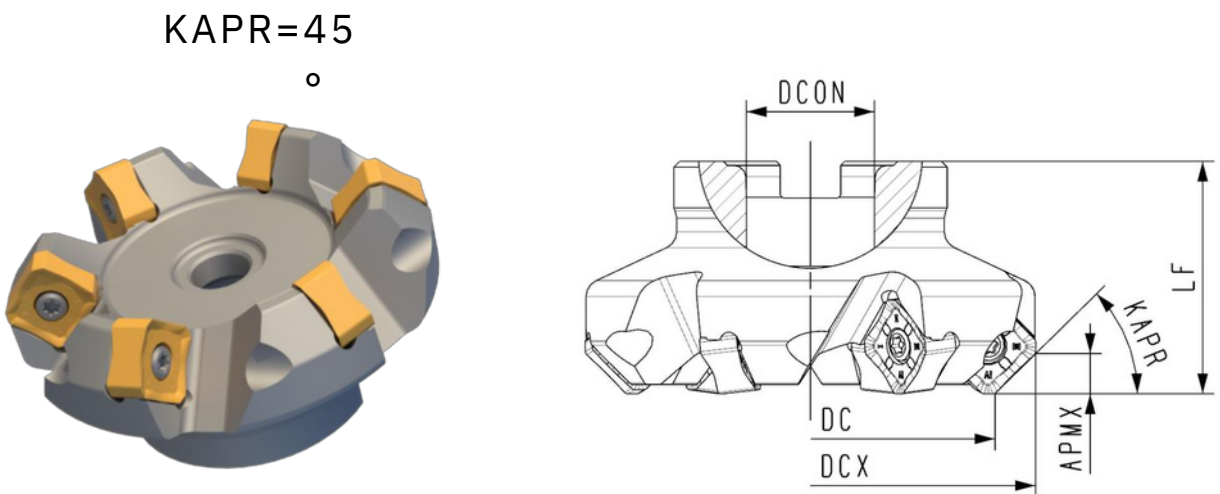
FM454 milling insert



								= stable cutting condition	» normal cutting condition				# bad cutting condition			
Material	P								=	»	»	»	»	#		
	M									»	»			#		
	K							»	=	»	»	»				
	N														»	
	S															
	H															
Type	Dimension							C V D	P V D							Uncoated
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434	
IC-ODMT0605ADR-OM	16.2			5.9			1.2		○		●					

● Stock available ○ Make-to-order

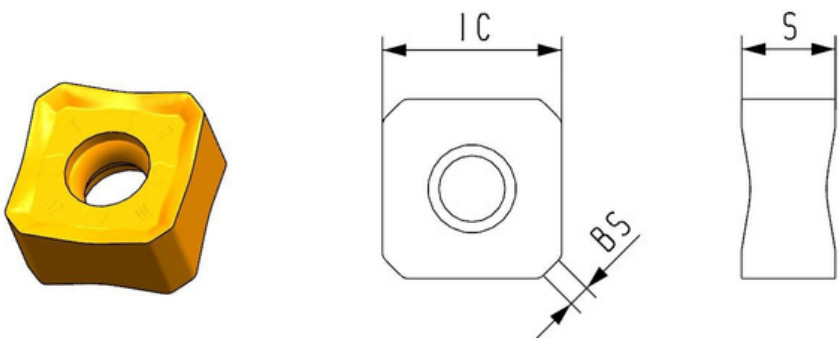
Face milling FM452 series



Type	stock	Number of flutes	Dimension						Interfa ce	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM452-A22-50-5-SN13	●	5	50	64.6	22	40		6.5	A	SN*1306ANN*	SA0411	T15P
TH-FM452-A22-63-4-SN13	●	4	63	77.6	22	40		6.5	A			
TH-FM452-A22-63-6-SN13	●	6	63	77.6	22	40		6.5	A			
TH-FM452-A27-80-5-SN13	●	5	80	94.6	27	50		6.5	A			
TH-FM452-A27-80-7-SN13	●	7	80	94.6	27	50		6.5	A			
TH-FM452-B32-100-6-SN13	●	6	100	114.6	32	50		6.5	B			
TH-FM452-B32-100-8-SN13	●	8	100	114.6	32	50		6.5	B			
TH-FM452-B40-125-8-SN13	●	8	125	139.6	40	63		6.5	B			
TH-FM452-B40-125-10-SN13	●	10	125	139.6	40	63		6.5	B			
TH-FM452-C40-160-12-SN13	●	12	160	174.6	40	63		6.5	C			
TH-FM452-C60-200-16-SN13	●	16	200	214.6	60	63		6.5	C			
TH-FM452-C60-250-20-SN13		20	250	264.6	60	63		6.5	C			
TH-FM452-D60-315-24-SN13	○	24	315	329.6	60	70		6.5	D			

● Stock available ○ Make-to-order

FM452 milling insert

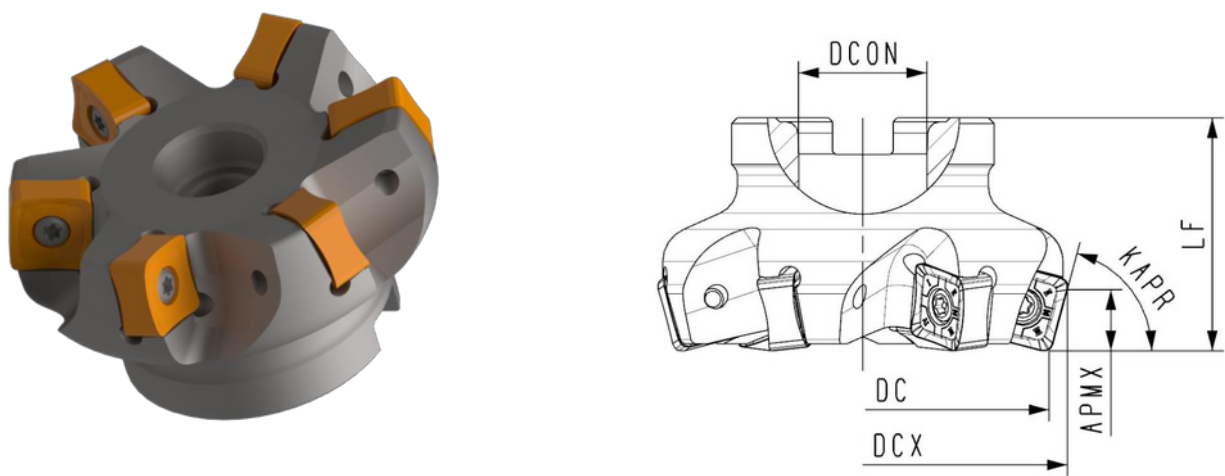


= stable cutting condition » normal cutting condition # bad cutting condition																
Material	P								=	»	»	»	»	#		
	M									»	»			#		
	K							»	=	»	»	»				
	N														»	
	S															
	H															
Type	Dimension							C V D	P V D						Uncoated	
	IC	L	W1	S	D1	RE	BS	0 C 3 2 2 0	0 P 2 2 0 2	0 P 1 3 1 5	0 P 1 3 2 5	0 P 1 0 3 0	0 P 1 6 3 0	0 P 1 3 4 0	0 K 4 3 4	
IC-SNMX1306ANN-OL	13			6.8			1.6				●			○		
IC-SNMX1306ANN-OM	13			6.8			1.6		●		●					
IC-SNGX1306ANN-LM	13			6.8			1.6		○		○					

● Stock available ○ Make-to-order

Face milling FM752 series

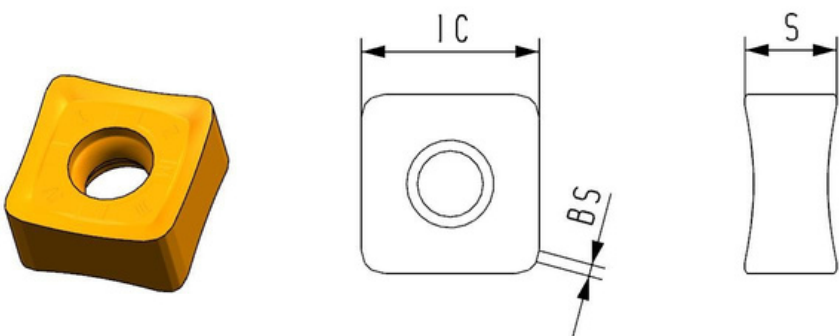
KAPR=75 °



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM752-A22-50-5-SN13	●	5	50	57.2	22	40		10	A	SN*1306ENN*	SA0411	T15P
TH-FM752-A22-63-6-SN13	●	6	63	87.2	22	40		10	A			
TH-FM752-A27-80-7-SN13	●	7	80	87.2	27	50		10	A			
TH-FM752-B32-100-8-SN13	●	8	100	114.6	32	50		10	B			
TH-FM752-B40-125-10-SN13	●	10	125	139.6	40	63		10	B			
TH-FM752-C40-160-12-SN13	○	12	160	174.6	40	63		10	C			
TH-FM752-C60-200-16-SN13	○	16	200	214.6	60	63		10	C			

● Stock available ○ Make-to-order

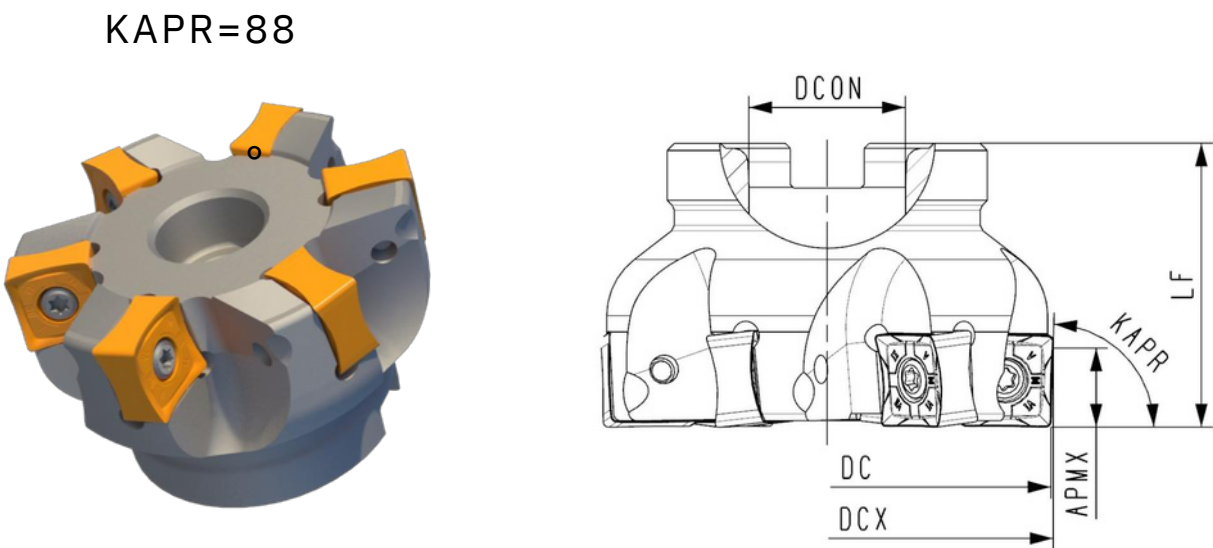
FM752 milling insert



	= stable cutting condition								» normal cutting condition				# bad cutting condition			
	P								M				K			
Material	M								K				N			
	N								S				H			
	S								H							
	H															
Type	Dimension								C V D				P V D			
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434	Uncoated
ICSNMX1306ENN-OM	13			7			1		○		●					

● Stock available ○ Make-to-order

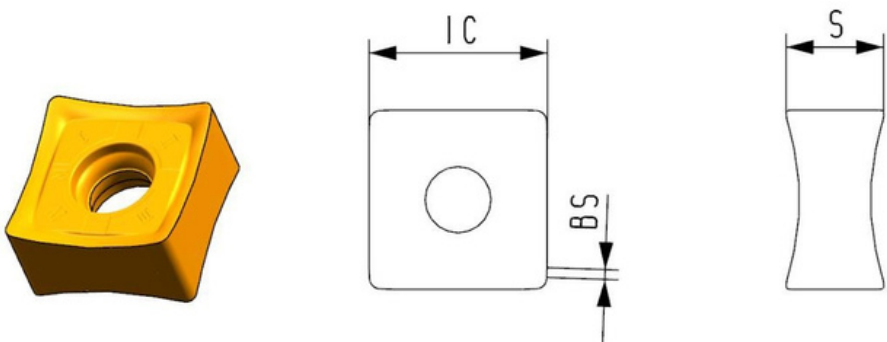
Face milling FM882 series



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM882-A22-50-5-SN13	●	5	50	50.6	22	40		11	A	SN*1306ZNN* SA0411		T15P
TH-FM882-A22-63-6-SN13	●	6	63	63.6	22	40		11	A			
TH-FM882-A27-80-7-SN13	●	7	80	80.6	27	50		11	A			
TH-FM882-B32-100-8-SN13	●	8	100	100.6	32	50		11	B			
TH-FM882-B40-125-10-SN13	●	10	125	125.6	40	63		11	B			
TH-FM882-C40-160-12-SN13	○	12	160	160.6	40	63		11	C			
TH-FM882-C60-200-16-SN13	○	16	200	200.6	60	63		11	C			

● Stock available ○ Make-to-order

FM882 milling insert

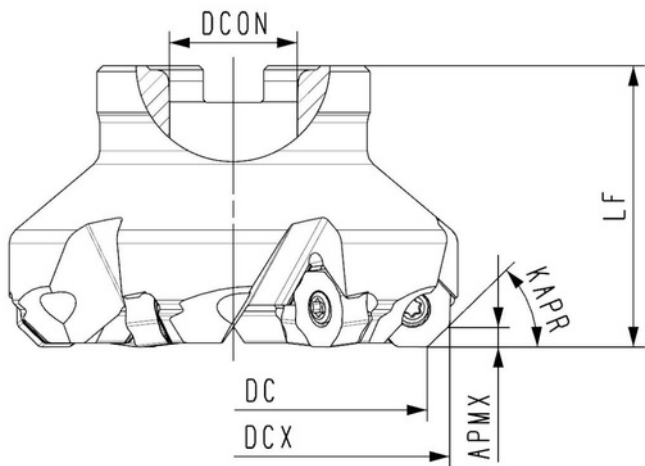
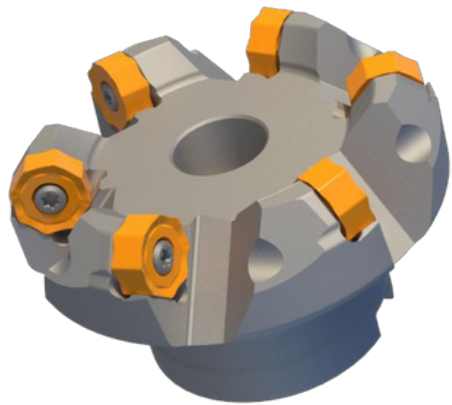


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Material	P									=	»	»	»	»	#			
	M										»	»			#			
	K								»	=	»	»	»					
	N															»		
	S																	
	H																	
Type	Dimension								C V D	P V D								Uncoated
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434			
IC-SNMX1306ZNN-OL	13			7		0.8	1				●							
IC-SNMX1306ZNN-OM	13			7		0.8	1		●		●							

● Stock available ○ Make-to-order

Face milling FM453 series

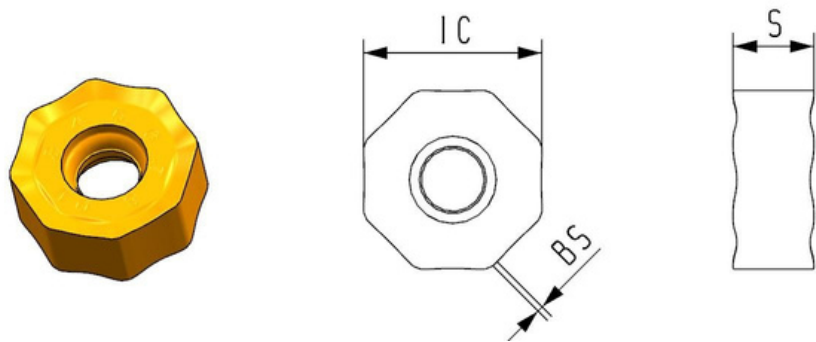
KAPR=45°



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM453-A22-50-5-ON05	●	5	53	64.6	22	48.4		3.2	A	ON*0504*	SA0411	T15P
TH-FM453-A22-63-6-ON05	●	6	66	77.6	22	48.4		3.2	A			
TH-FM453-A27-80-7-ON05	●	7	83	94.6	27	48.4		3.2	A			
TH-FM453-B32-100-8-ON05	●	8	103	114.6	32	48.4		3.2	B			
TH-FM453-B40-125-10-ON05	●	10	128	139.6	40	61.4		3.2	B			
TH-FM453-C40-160-12-ON05	○	12	163	174.6	40	61.4		3.2	C			
TH-FM453-C60-200-16-ON05	○	16	203	214.6	60	61.4		3.2	C			
TH-FM453-A22-63-6-ON07	●	6	63	74.4	22	50		4.3	A	ON*0705*	SA0512	T20P
TH-FM453-A27-80-7-ON07	●	7	80	91.4	27	50		4.3	A			
TH-FM453-B32-100-8-ON07	●	8	100	111.4	32	50		4.3	B			
TH-FM453-B40-125-10-ON07	●	10	125	136.4	40	63		4.3	B			
TH-FM453-C40-160-12-ON07	○	12	160	171.4	40	63		4.3	C			
TH-FM453-C60-200-16-ON07	○	16	200	211.4	60	63		4.3	C			
TH-FM453-A22-63-5-ON09	●	5	63	76.2	22	50		5.5	A	ON*0906*	SA0512	T20P
TH-FM453-A27-80-6-ON09	●	6	80	93.2	27	50		5.5	A			
TH-FM453-B32-100-7-ON09	●	7	100	113.2	32	50		5.5	B			
TH-FM453-B40-125-8-ON09	●	8	125	138.2	40	63		5.5	B			
TH-FM453-C40-160-10-ON09	○	10	160	173.2	40	63		5.5	C			
TH-FM453-C60-200-12-ON09	○	12	200	213.2	60	63		5.5	C			

● Stock available ○ Make-to-order

FM453 milling insert



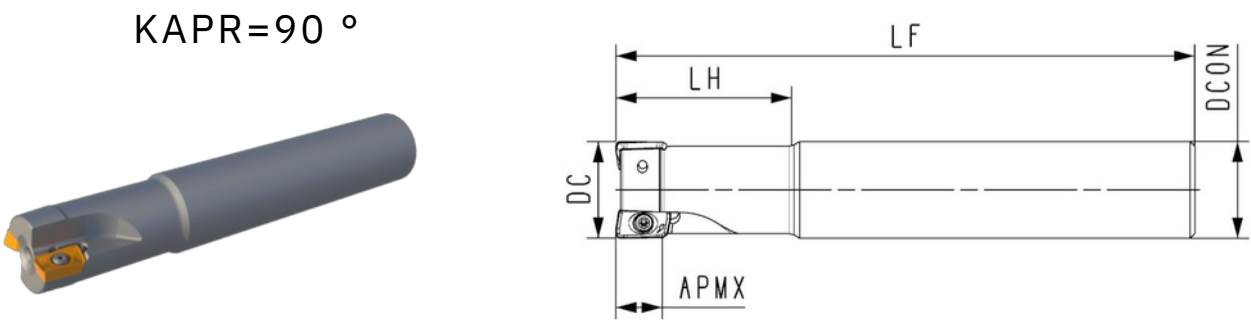
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Material	P								=	»	»	»	»	#	
	M									»	»			#	
	K							»	=	»	»	»			
	N														»
	S														
	H														
Type	Dimension							C V D	P V D						Uncoated
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK 4 3 4
IC-ONMU0504ANN-OL	13			5.9			0.8				●			○	
IC-ONMU0504ANN-OM	13			5.9			0.4		●		●				
IC-ONGU0504ANR-W	13			5.9			4.2				○				
IC-ONMU070508-OM	17.5			6.3					○		●				
IC-ONMU0906ANN-OL	20.5			7.2			1.2				●				
IC-ONMU0906ANN-OM	20.5			7.2			1.2		○		●				

● Stock available ○ Make-to-order

A

Square shoulder milling insert FM901 series



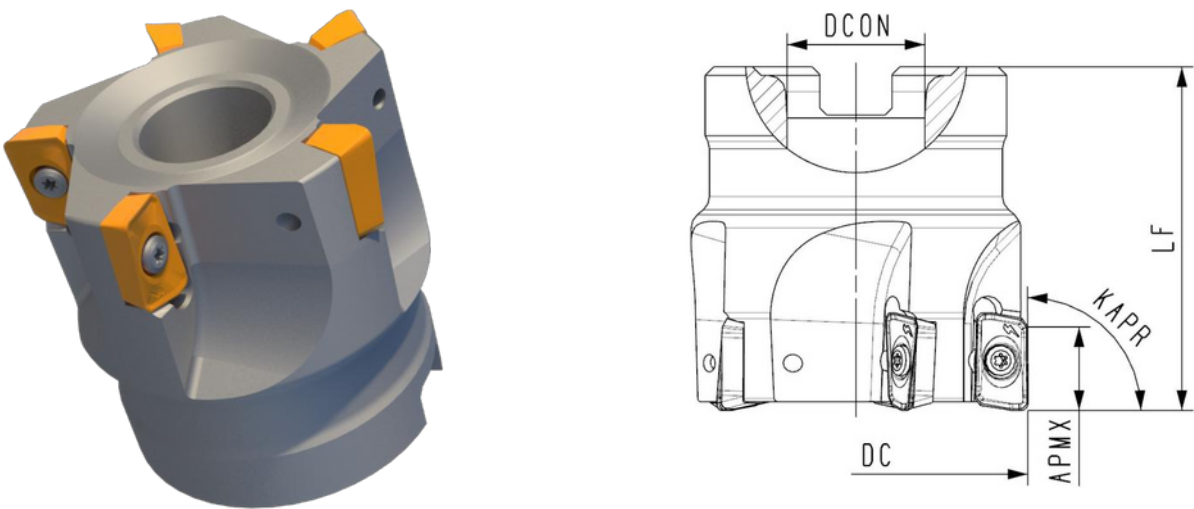
Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM901-P16-16-2-AP11-120	●	2	16		16	120	35	10	P	AP*1135*	SA025065	T08P
TH-FM901-P16-16-2-AP11-170	○	2	16		16	170	40	10	P			
TH-FM901-P16-17-2-AP11-150	●	2	17		16	150	40	10	P			
TH-FM901-P16-17-2-AP11-200	○	2	17		16	200	50	10	P			
TH-FM901-P20-20-2-AP11-120	●	2	20		20	120	35	10	P			
TH-FM901-P20-20-2-AP11-170	○	2	20		20	170	40	10	P			
TH-FM901-P20-21-2-AP11-150	●	2	21		20	150	40	10	P			
TH-FM901-P20-21-2-AP11-200	○	2	21		20	200	50	10	P			
TH-FM901-P25-25-3-AP11-120	●	3	25		25	120	35	10	P			
TH-FM901-P25-25-3-AP11-170	○	3	25		25	170	40	10	P			
TH-FM901-P25-25-2-AP16-120	●	2	25		25	120	35	15	P	AP*1604*	SA0411	T15P
TH-FM901-P25-25-2-AP16-170	○	2	25		25	170	40	15	P			
TH-FM901-P25-26-2-AP16-160	●	2	26		25	160	40	15	P			
TH-FM901-P25-26-2-AP16-200	○	2	26		25	200	50	15	P			
TH-FM901-P32-32-3-AP16-160	●	3	32		32	160	40	15	P			
TH-FM901-P32-32-3-AP16-200	○	3	32		32	200	50	15	P			
TH-FM901-P32-40-4-AP16-160	●	4	40		32	160	40	15	P			
TH-FM901-P32-40-4-AP16-200	○	4	40		32	200	50	15	P			

● Stock available ○ Make-to-order

A

Square shoulder milling insert FM901 series

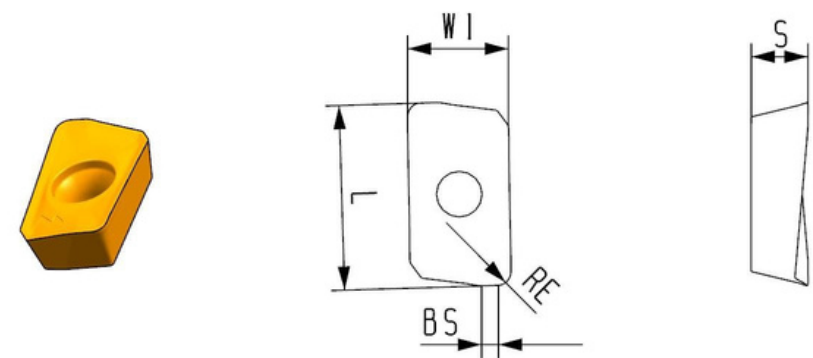
KAPR=90 °



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
IC-FM901-A16-40-5-AP11	○	5	40		16	50		10	A	AP*1135*	SA025065	T08P
IC-FM901-A22-50-6-AP11	○	6	50		22	50		10	A			
IC-FM901-A22-63-7-AP11	○	7	63		22	50		10	A			
IC-FM901-A22-50-4-AP16	●	4	50		22	50		15	A	AP*1604*	SA0411	T15P
IC-FM901-A22-63-5-AP16	●	5	63		22	50		15	A			
IC-FM901-A27-80-6-AP16	○	6	80		27	50		15	A			

● Stock available ○ Make-to-order

FM901 milling insert

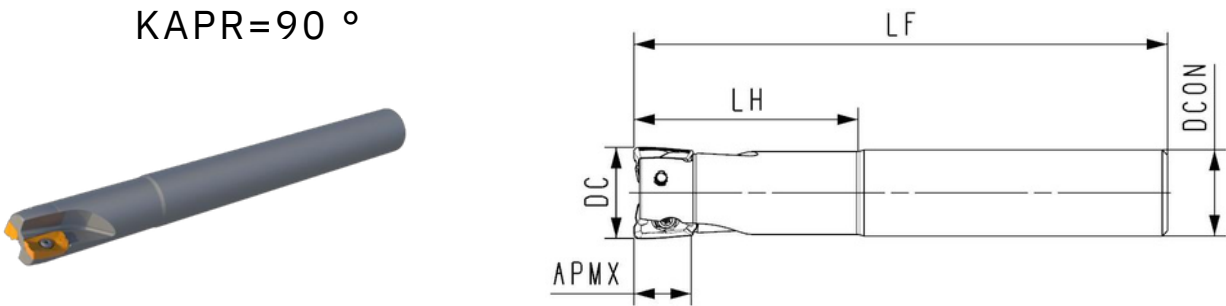


= stable cutting condition » normal cutting condition # bad cutting condition

Material	P								=	»	»	»	»	#	
	M									»	»			#	
	K							»	=	»	»	»			
	N														»
	S														
	H														
Type	Dimension							C V D	P V D						Uncoated
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434
IC-APMT1135PDER-SDX		11.4	6.22	3.5		0.8	1				○		●		
IC-APMT1604PDER-SDX		17.4	9.27	4.8		0.8	1.5				○		●		

● Stock available ○ Make-to-order

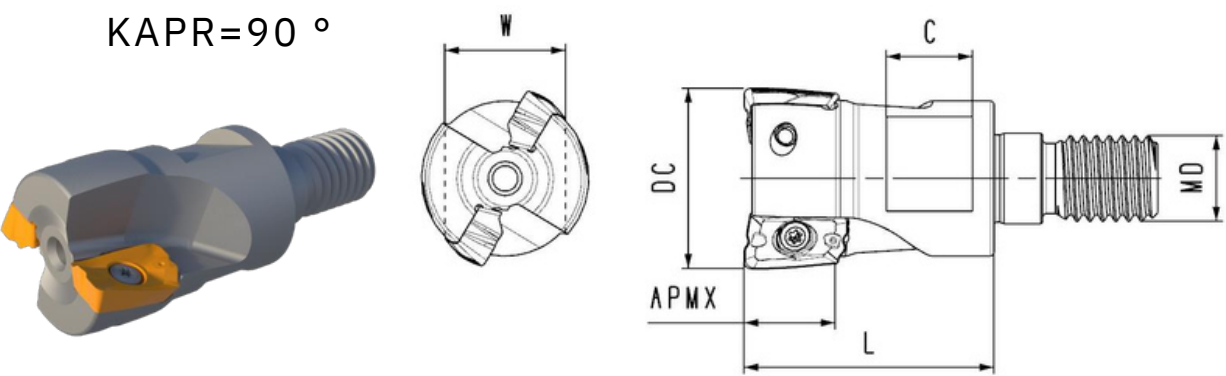
Square shoulder milling insert FM901 series



Type	stock	Number of flutes	Dimension						Interfa ce	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM901F-P16-16-2-BX11-100	○	2	16		16	120	35	10	P	BX*11T3*	SA02506	5T08P
TH-FM901F-P16-17-2-BX11-150	●	2	17		16	150	40	10	P			
TH-FM901F-P20-20-2-BX11-120	○	2	20		20	120	35	10	P			
TH-FM901F-P20-21-2-BX11-200	●	2	21		20	170	40	10	P			
TH-FM901F-P25-25-3-BX11-120	○	3	25		25	120	35	10	P			
TH-FM901F-P25-26-3-BX11-200	●	3	26		25	170	40	10	P			

● Stock available ○ Make-to-order

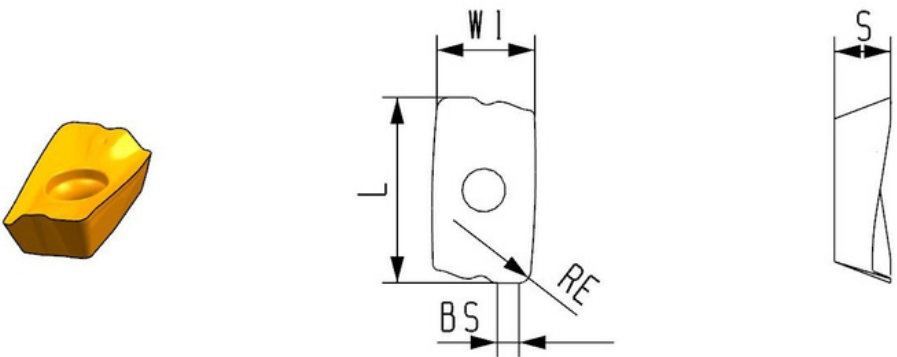
FM901F indexable milling head



Type	stock	Number of flutes	Dimension						Interfa ce	Adaptable Inserts	Screw	Wrench
			DC	DCX	MD	L	W	APMX				
TH-FM901F-M8-17-2-BX11	●	2	17		M8	25	12	10		BX*11T3*	SA025065	T08P
TH-FM901F-M10-21-2-BX11	●	2	21		M10	29	14	10				
TH-FM901F-M12-26-3-BX11	●	3	26		M12	37	17	10				

● Stock available ○ Make-to-order

FM901F milling insert

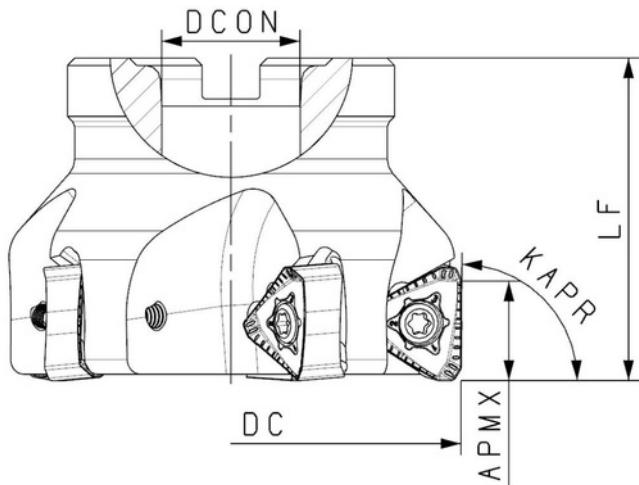
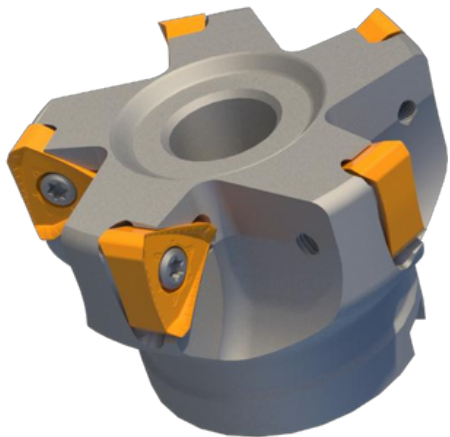


								= stable cutting condition		» normal cutting condition				# bad cutting condition		
Material	P								=	»	»	»	»	#		
	M									»	»			#		
	K							»	=	»	»	»				
	N														»	
	S															
	H															
Type	Dimension							C V D	P V D							Uncoated
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434	
IC-BXKT11T304PER-OM		12.2	6.8	3.7		0.4	1.8		○		●					
IC-IC-BXKT11T308PER-OM		12.2	6.8	3.7		0.8	1.4		○		●					

● Stock available ○ Make-to-order

Square shoulder milling insert FM902 series

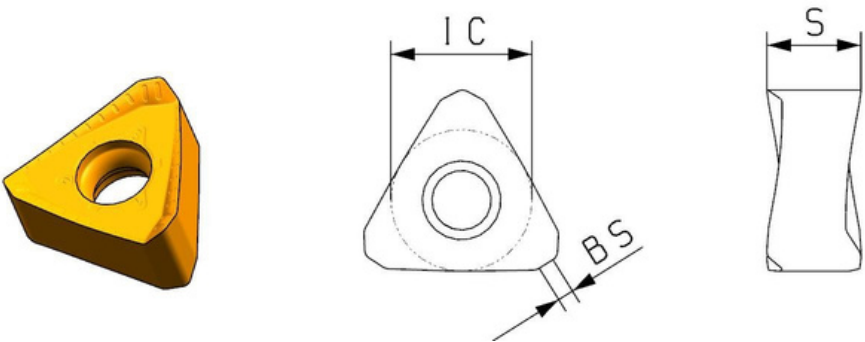
KAPR=90 °



Type	stock	Number of flutes	Dimension						Interfa ce	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM902-A22-50-4-TN13	●	4	50		22	40		13	A	TN*1306*	SA0411	T15P
TH-FM902-A22-63-5-TN13	●	5	63		22	40		13	A			
TH-FM902-A27-80-7-TN13	●	7	80		27	50		13	A			
TH-FM902-B32-100-8-TN13	●	8	100		32	50		13	B			
TH-FM902-B40-125-10-TN13	●	10	125		40	63		13	B			
TH-FM902-C40-160-12-TN13	○	12	160		40	63		13	C			
TH-FM902-C60-200-16-TN13	○	16	200		60	63		13	C			

● Stock available ○ Make-to-order

FM902 milling insert



= stable cutting condition » normal cutting condition # bad cutting condition

Material	P								=	»	»	»	»	#		
	M									»	»			#		
	K							»	=	»	»	»				
	N														»	
	S															
	H															
Type	Dimension							C V D	P V D							Uncoated
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434	
IC-TNGX1306PNFR-1	11.46			7.6			1.3		○	○	●					

● Stock available ○ Make-to-order

A

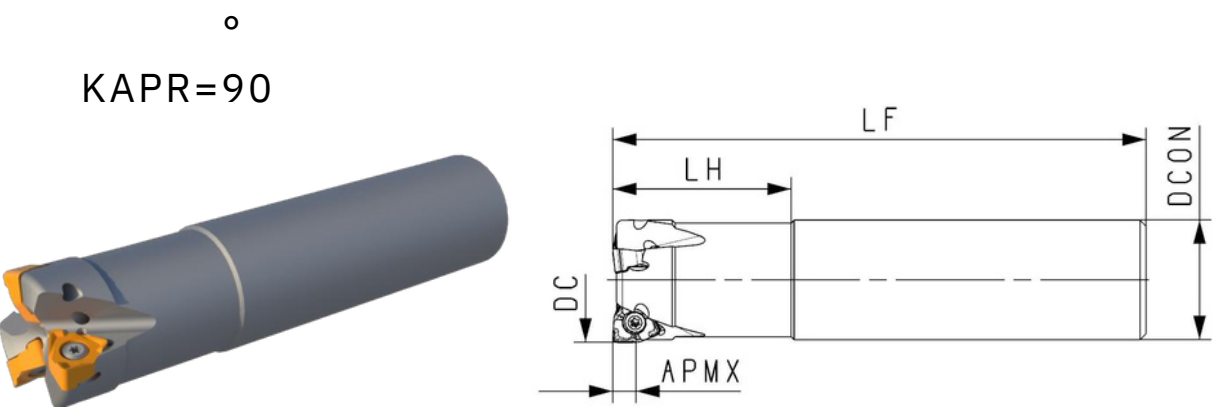
B/a

C

D

E

Square shoulder milling insert FM903 series



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM903-P20-20-2-WN04-120	○	2	20			120	35	3.8	P	WN*X0403*	SA025065	T08P
TH-FM903-P20-20-3-WN04-120	●	3	20			120	35	3.8	P			
TH-FM903-P20-21-3-WN04-120	○	3	21			120	35	3.8	P			
TH-FM903-P25-25-4-WN04-120	●	4	25			120	35	3.8	P			
TH-FM903-P25-26-4-WN04-120	○	4	26			120	35	3.8	P			
TH-FM903-P32-32-4-WN04-150	●	4	32			150	35	3.8	P			
TH-FM903-P32-33-4-WN04-150	○	4	33			150	35	3.8	P	WN*X0806*	SA0411	T15P
TH-FM903-W32-32-2-WN08-120	○	2	32			120	35	8	W			
TH-FM903-W32-40-4-WN08-120	○	4	40			120	35	8	W			

● Stock available ○ Make-to-order

A

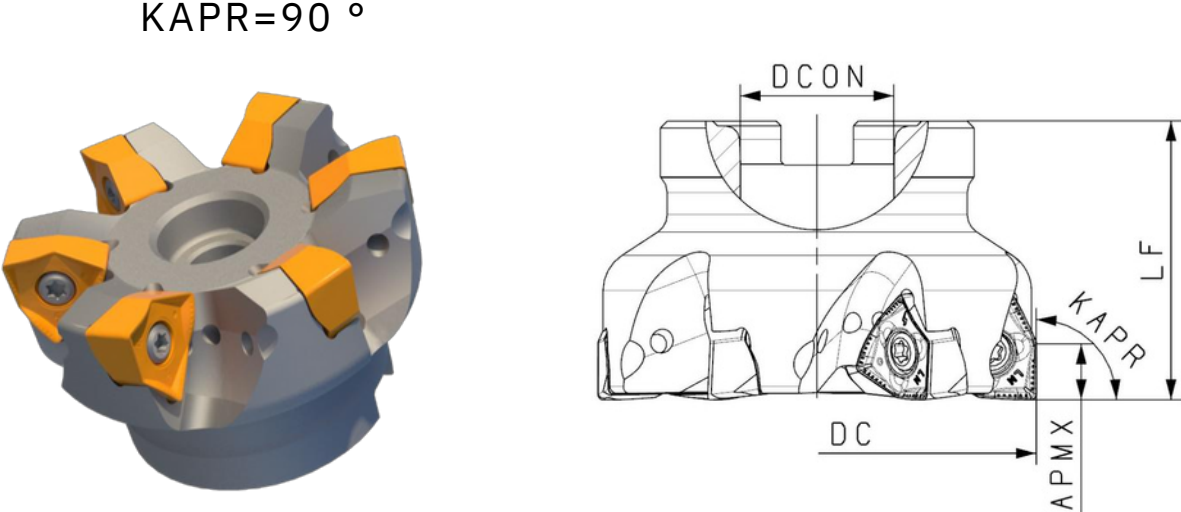
B/a

C

D

E

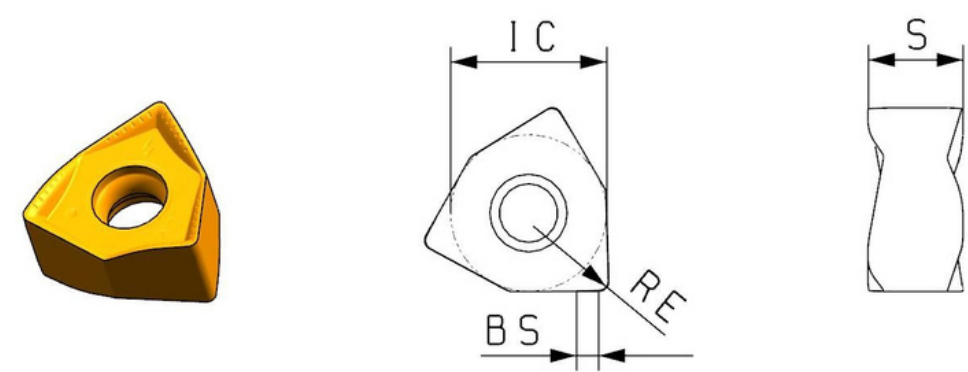
Square shoulder milling insert FM903 series



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM903-A16-40-5-WN04	●	5	40		22	40		3.8	A	WN*X0403*	SA025065	T08P
TH-FM903-A22-50-6-WN04	●	6	50		22	40		3.8	A			
TH-FM903-A22-50-5-WN08	●	5	50		22	40		8	A	WN*X0806*	SA0411	T15P
TH-FM903-A22-63-6-WN08	●	6	63		22	40		8	A			
TH-FM903-A27-80-7-WN08	●	7	80		27	50		8	A			
TH-FM903-B32-100-8-WN08	●	8	100		32	50		8	B			
TH-FM903-B40-125-10-WN08	●	10	125		40	63		8	B			
TH-FM903-C40-160-12-WN08	○	12	160		40	63		8	C			
TH-FM903-C60-200-16-WN08	○	16	200		60	63		8	C			

● Stock available ○ Make-to-order

FM903 milling insert

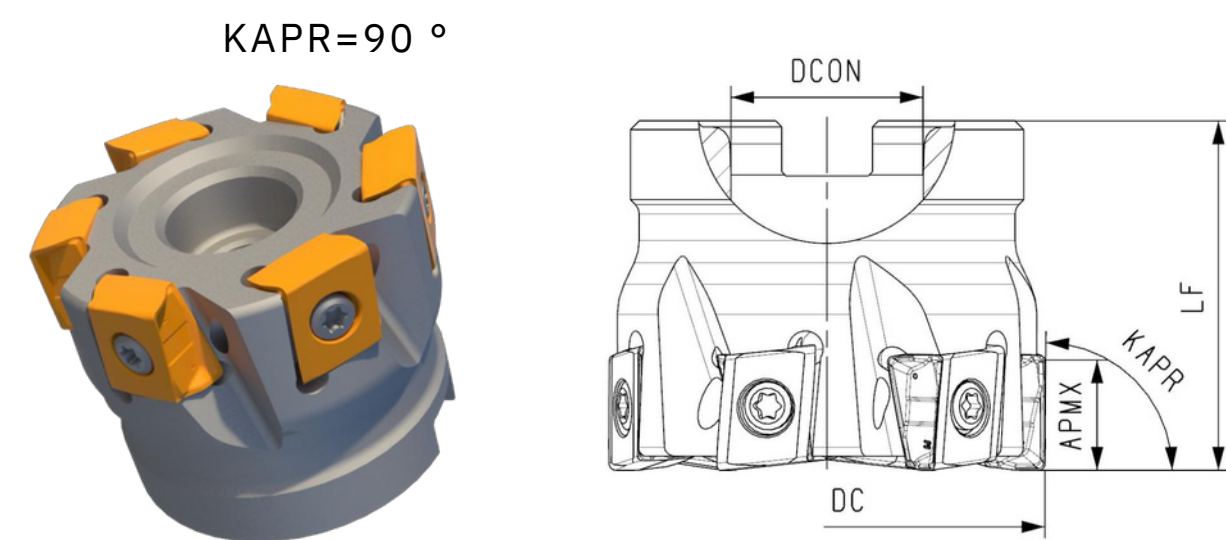


= stable cutting condition » normal cutting condition # bad cutting condition

Material	P								=	»	»	»	»	#		
	M									»	»			#		
	K							»	=	»	»	»				
	N													»		
	S															
	H															
Type	Dimension							C V D	P V D							Uncoated
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434	
IC-WNGX040304R-LM	6.5			4		0.4	0.85		○		○					
IC-WNMX040308R-OM	6.5			4		0.8	0.5		○		●					
IC-WNGX080604R-LM	12.85			6.45		0.4	2.5				○					
IC-WNMX080608R-OL	12.85			7.8		0.8	1.1		○		●					
IC-WNMX080608R-OM	12.85			7.8		0.8	0.8		●		●					
IC-WNGX080608R-LF	12.85			6.57		0.8	1.8				○					
IC-WNGX080608R-LM	12.85			6.45		0.8	2		○		○					

● Stock available ○ Make-to-order

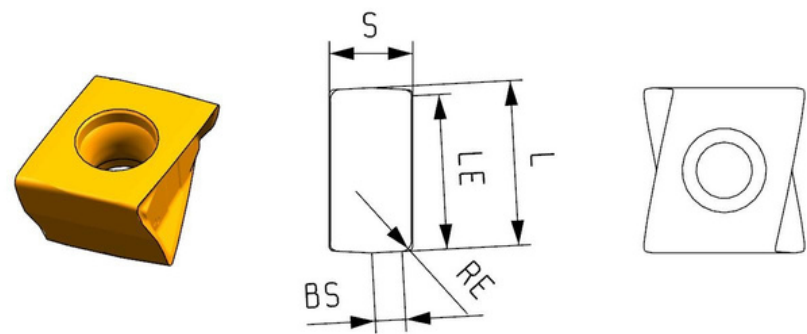
Square shoulder milling insert FM904 series



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM904-A22-50-5-LN13	●	5	50		22	40		8	A	LNGX1306*	SA0411	T15P
TH-FM904-A22-50-6-LN13	○	6	50		22	40		8	A			
TH-FM904-A22-63-6-LN13	●	6	63		22	40		8	A			
TH-FM904-A22-63-8-LN13	○	8	63		22	40		8	A			
TH-FM904-A27-80-7-LN13	●	8	80		27	50		8	A			
TH-FM904-A27-80-10-LN13	○	10	80		27	50		8	A			

● Stock available ○ Make-to-order

FM904 milling insert



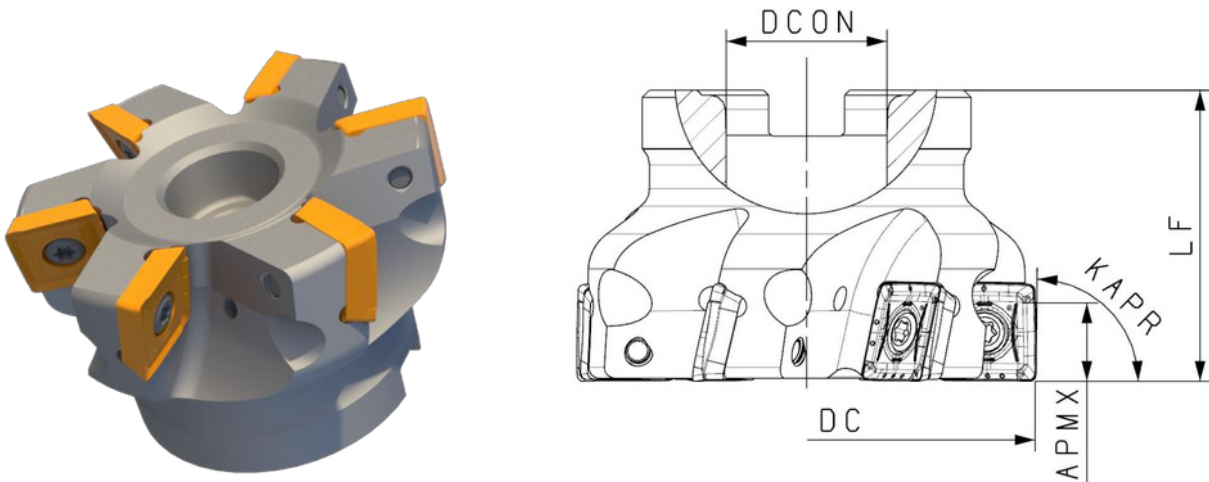
= stable cutting condition » normal cutting condition # bad cutting condition

Material	P								=	»	»	»	»	#	
	M									»	»			#	
	K							»	=	»	»	»			
	N														»
	S														
	H														
Type	Dimension							C V D	P V D						Uncoated
	IC	L	LE	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK4340
IC-LNGX130608PR-LM		13.2	12.4	6.7		0.8	2.4		○		●			○	

● Stock available ○ Make-to-order

Square shoulder milling insert FM905 series

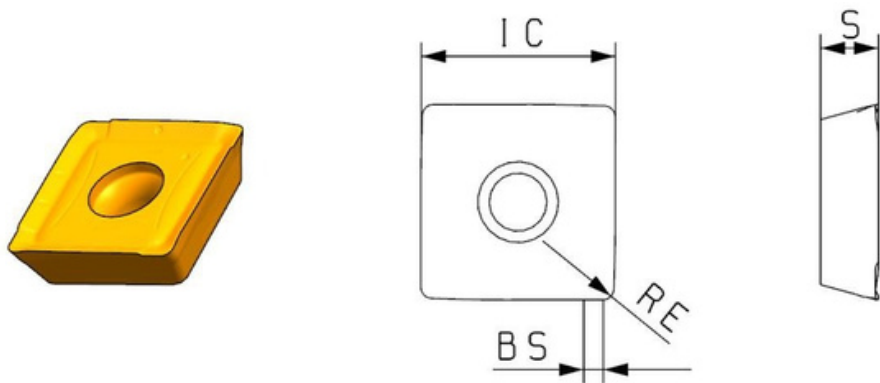
KAPR=90 °



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-FM905-A22-50-4-SD13	○	4	50		22	40		10.7	A	SDKT13T3*	SA0411	T15P
TH-FM905-A22-50-5-SD13	●	5	50		22	40		10.7	A			
TH-FM905-A22-63-6-SD13	●	6	63		22	40		10.7	A			
TH-FM905-A27-80-7-SD13	●	7	80		27	50		10.7	A			
TH-FM905-B32-100-8-SD13	●	8	100		32	50		10.7	B			
TH-FM905-B40-125-10-SD13	●	10	125		40	63		10.7	B			
TH-FM905-C40-160-12-SD13	○	12	160		40	63		10.7	C			
TH-FM905-C60-200-16-SD13	○	16	200		60	63		10.7	C			

● Stock available ○ Make-to-order

FM905 milling insert

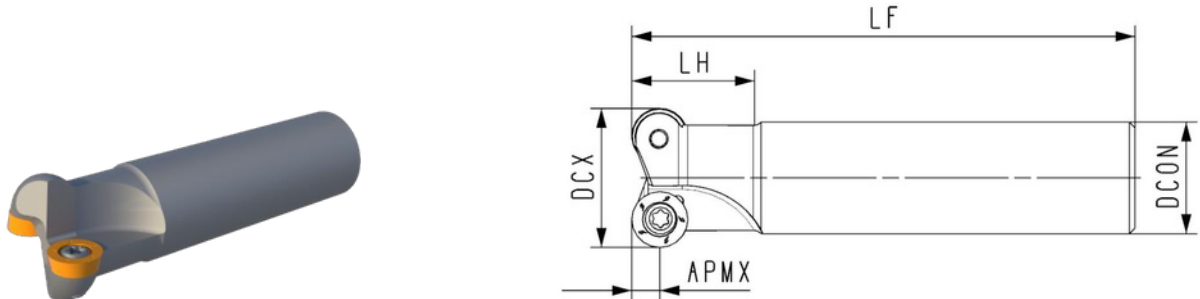


= stable cutting condition » normal cutting condition # bad cutting condition

Material	P								=	»	»	»	»	#		
	M									»	»			#		
	K							»	=	»	»	»				
	N														»	
	S															
	H															
Type	Dimension							C V D	P V D							Uncoated
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434	
IC-SDKT13T308PER-OM	13.8			4.1			1.2		○		●					
IC-SDKT13T320PER-OM	13.8			4.1			1.0		○		●					

● Stock available ○ Make-to-order

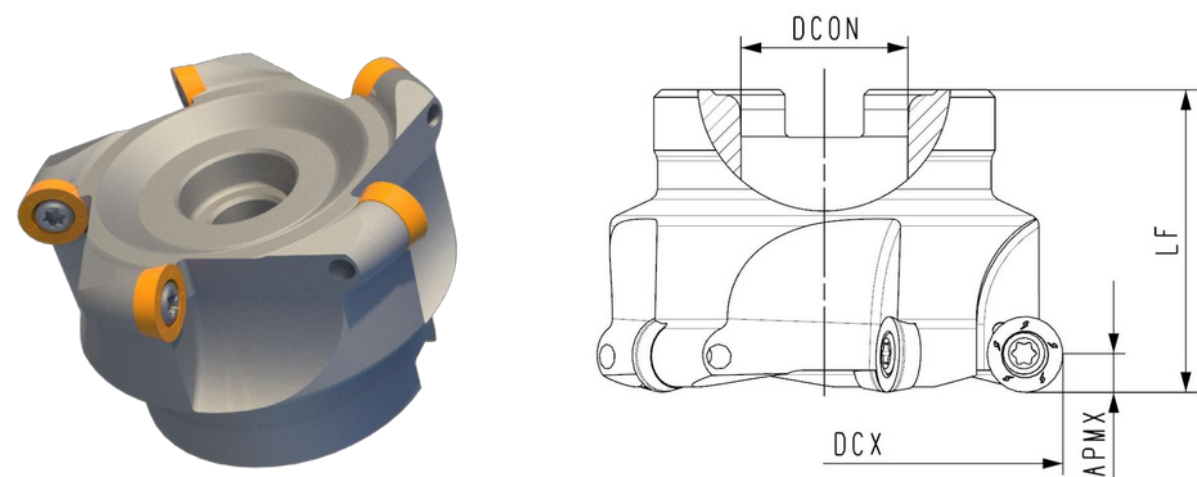
Profiling milling insert RM01 series



Type	stock	Number of flutes	Dimension						Interfa	Adaptable Inserts	Accessories	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-RM01-P20-25-2-RP10-160-CR	●	2		25	20	160	45	5	P	RP*1003*	Pressing Plate: CR-R5 Screw: SA03510 SA04 09	T15P
TH-RM01-P25-30-2-RP10-160-CR	●	3		30	25	160	45	5	P			
TH-RM01-P32-35-3-RP10-160-CR	○	3		35	32	160	45	5	P			
TH-RM01-P32-40-3-RP10-160-CR	●	3		40	32	160	45	5	P			
TH-RM01-P32-40-4-RP10-160-CR	○	4		40	32	160	45	5	P			
TH-RM01-P25-32-2-RP12-160-CR	○	2		32	25	160	50	6	P	RP*1204*	Pressing Plate: CR-R6 Screw: SA04 09	T15P
TH-RM01-P25-32-3-RP12-160-CR	○	3		32	25	160	50	6	P			
TH-RM01-P32-32-2-RP12-160-CR	●	2		32	32	160	45	6	P			
TH-RM01-P32-32-3-RP12-160-CR	○	3		32	32	160	45	6	P			
TH-RM01-P32-35-2-RP12-160-CR	○	2		35	32	160	50	6	P			
TH-RM01-P32-40-3-RP12-200-CR	●	3		40	32	200	50	6	P			
TH-RM01-P32-40-4-RP12-200-CR	○	4		40	32	200	50	6	P			

● Stock available ○ Make-to-order

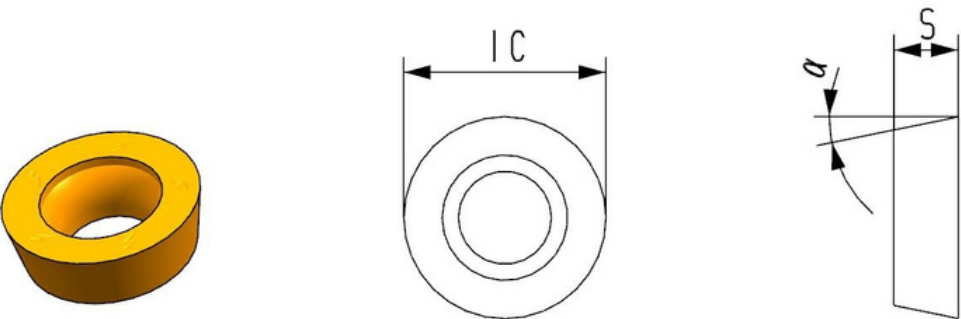
Profiling milling insert RM01 series



Type	stock	Number of flutes	Dimension						Interface	Adaptable Inserts	Accessories	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-RM01-A22-50-4-RP10-CR	●	4		50	22	50		5	A	RP*1003*	Pressing Plate: CR-R5 Screw: SA03510 SA04 09	T15P
TH-RM01-A22-63-5-RP10-CR	○	5		63	22	50		5	A			
TH-RM01-A27-80-6-RP10-CR	○	6		80	27	50		5	A			
TH-RM01-B32-100-7-RP10-CR	○	7		100	32	50		5	B			
TH-RM01-A22-50-4-RP12 -CR	●	4		50	22	50		6	A	RP*1204*	Pressing Plate: CR-R6 Screw: SA04 09	T15P
TH-RM01-A22-63-5-RP12-CR	●	5		63	22	50		6	A			
TH-RM01-A27-80-6-RP12-CR	○	6		80	27	50		6	A			
TH-RM01-B32-100-7-RP12-CR	○	7		100	32	50		6	B			

● Stock available ○ Make-to-order

RM01 milling insert

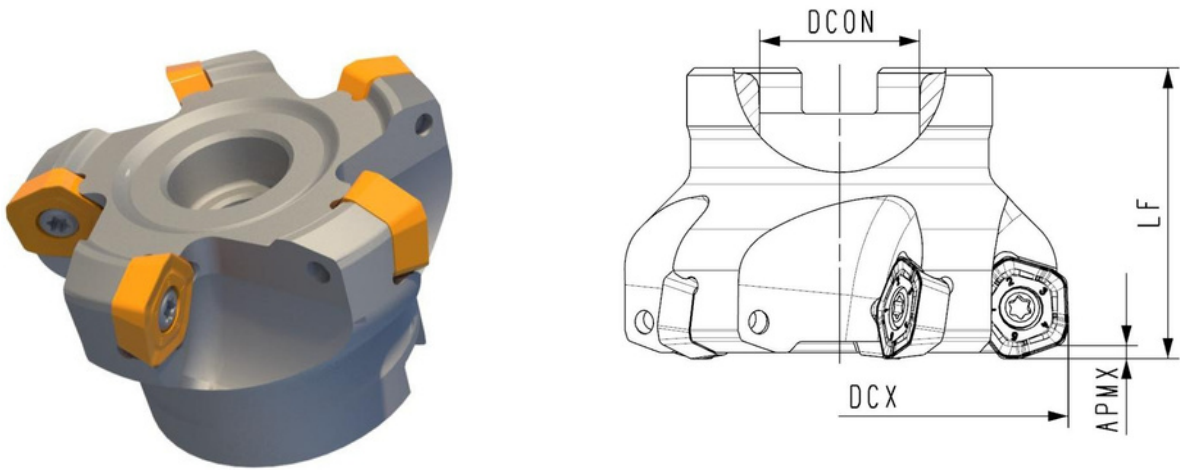


= stable cutting condition » normal cutting condition # bad cutting condition

Material	P								=	»	»	»	»	#	
	M									»	»			#	
	K							»	=	»	»	»			
	N														»
	S														
	H														
Type	Dimension							C V D	P V D						Uncoated
	IC	L	W1	S	D1	α	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434
IC-RPMW1003MO-SD	10			3.18		11					○		●		
IC-RPKT1204MO-SD	12			4.76		11					○		●		

● Stock available ○ Make-to-order

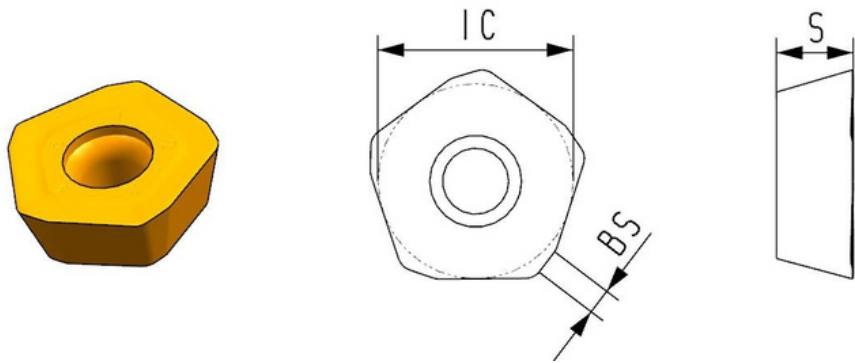
High feed milling insert HM192 series



Type	stock	Number of flutes	Dimension						Interfa ce	Adaptable Inserts	Screw	Wrench
			DC	DCX	DCON	LF	LH	APMX				
TH-HM192-A22-50-4-PD13	●	4		50	22	40		1.9	A	PD*1305*	SA0411	T15P
TH-HM192-A22-63-5-PD13	●	5		63	22	40		1.9	A			
TH-HM192-A27-80-6-PD13	●	6		80	27	50		1.9	A			
TH-HM192-B32-100-7-PD13	●	7		100	32	50		1.9	B			
TH-HM192-B40-125-8-PD13	●	8		125	40	63		1.9	B			
TH-HM192-C40-160-10-PD13	○	10		160	40	63		1.9	C			
TH-HM192-C60-200-12-PD13	○	12		200	60	63		1.9	C			

● Stock available ○ Make-to-order

HM192 milling insert



= stable cutting condition » normal cutting condition # bad cutting condition

Material	P								=	»	»	»	»	#		
	M									»	»			#		
	K							»	=	»	»	»				
	N														»	
	S															
	H															
Type	Dimension							C V D	P V D							Uncoated
	IC	L	W1	S	D1	RE	BS	OC3220	OP2202	OP1315	OP1325	OP1030	OP1630	OP1340	OK434	
IC-PDMT1305ZDSR-SAM	13			5.1			1.7					●				

● Stock available ○ Make-to-order