

SOD05



PRAMET

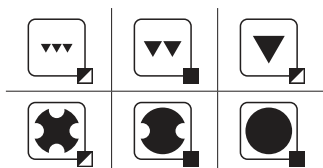
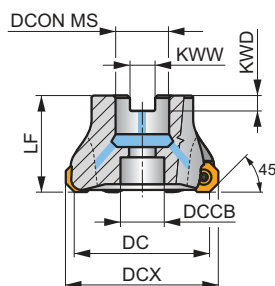
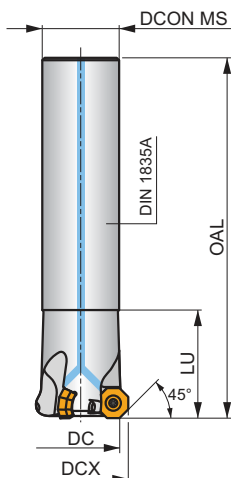
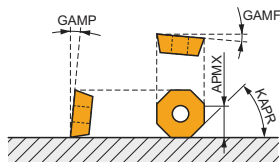
S



Universal Face Mill with Positive Design and Internal Coolant

Highly productive universal face mill utilising single-sided positive inserts with APMX up to 10 mm. Unique insert seat fits OD.. 05, RD.. 12 and SD.. 12 style inserts, suited for wide range of applications. Differential tooth pitch. Arbor and cylindrical style in range from Ø32 up to Ø125 mm. Body treated for longer tool life.

KAPR	45°
APMX	2.7 (10.0) mm



	0.03 - 0.15
	0.03 - 0.12



Product	DCX	DC	OAL	DCON MS	DCCB	LU	LF	KAPR	KWW	KWD	GAMP	GAMP	max.		kg	GI326	FA049	-		
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]	[mm]	[mm]	[°]	[°]	max.	max.						
32N3R045A25-SOD05-C	32	24.7	130	25	-	45	-	45	-	-	-10	8	3	-	17700	✓	0.41	GI326	FA049	-
40N3R045A32-SOD05-C	40	32.6	150	32	-	45	-	45	-	-	-7	8	3	-	15800	✓	0.86	GI326	FA040	-
40A03R-S450D05-C	40	32.7	-	16	14	-	40	45	8.4	5.6	-10	8	3	-	15800	✓	0.19	GI326	FA042	-
50A04R-S450D05-C	50	42.6	-	22	18	-	40	45	10.4	6.3	-7	8	4	-	14100	✓	0.28	GI326	FA043	-
50A05R-S450D05-C	50	42.6	-	22	18	-	40	45	10.4	6.3	-7	8	5	-	14100	✓	0.28	GI326	FA043	-
63A05R-S450D05-C	63	55.6	-	22	18	-	40	45	10.4	6.3	-7	8	5	✓	12600	✓	0.39	GI326	FA043	-
63A06R-S450D05-C	63	55.6	-	22	18	-	40	45	10.4	6.3	-7	8	6	✓	12600	✓	0.40	GI326	FA043	-
80A06R-S450D05-C	80	72.6	-	27	38	-	50	45	12.4	7	-7	8	6	✓	11100	✓	0.73	GI326	FA041	AC001
80A08R-S450D05-C	80	72.6	-	27	38	-	50	45	12.4	7	-7	8	8	✓	11100	✓	0.66	GI326	FA041	AC001
100A07R-S450D05-C	100	92.6	-	32	45	-	50	45	14.4	8	-7	8	7	✓	10000	✓	1.09	GI326	FA041	AC002
125A08R-S450D05-C	125	117.6	-	40	56	-	63	45	16.4	9	-7	8	8	✓	8900	✓	2.20	GI326	FA041	AC003

GI326	OD.. 0505..	RD.. 1205..	SDKT 1205..	SDMT 1205..SN

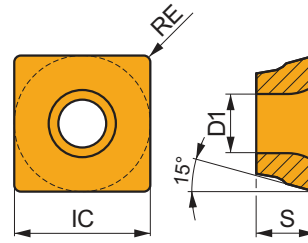
FA040	US 45014-T20P	5.0	M 5	13	Flag T20P	-	-
FA041	US 45014-T20P	5.0	M 5	13	-	SDR T20P-T	-
FA042	US 45014-T20P	5.0	M 5	13	-	SDR T20P-T	HS 90835
FA043	US 45014-T20P	5.0	M 5	13	-	SDR T20P-T	HS 1030C
FA049	US 45011-T20P	5.0	M 5	11	Flag T20P	-	-



SDKT 12IM

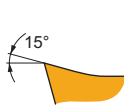
PRAMET

	IC	D1	S
	[mm]	[mm]	[mm]
1205	12.700	5.50	5.56



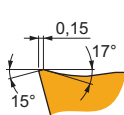
Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

Product	RE	P			M			K			N			S			H		
		vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]



F geometry, 90° shoulder milling insert, with highly positive design for light machining.

SDKT 1205PDFR-F	8215	0.8	285	0.10	4.0	170	0.09	4.0	-	-	-	855	0.12	4.0	-	-	-	-	-	-
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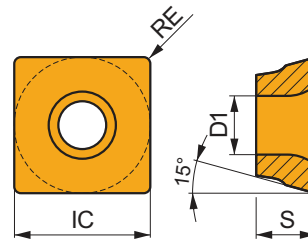
FM geometry, 90° shoulder milling insert, with positive design for light to medium machining.

SDKT 1205AESN-FM	M6330	-	240	0.15	4.0	170	0.15	4.0	-	-	-	-	-	-	-	-	-	-	-	-
	M8330	-	280	0.15	4.0	165	0.15	4.0	265	0.15	4.0	-	-	-	-	-	-	-	-	-
	M8345	-	205	0.15	4.0	120	0.15	4.0	-	-	-	-	-	-	-	-	-	-	-	-
SDKT 1205PDSR-FM	M8330	0.8	255	0.15	4.0	150	0.15	4.0	240	0.15	4.0	-	-	-	-	-	-	-	-	-
	M8345	0.8	185	0.15	4.0	110	0.15	4.0	-	-	-	-	-	-	-	-	-	-	-	-

SDMT 12IM

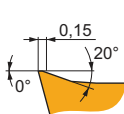
PRAMET

	IC	D1	S
	[mm]	[mm]	[mm]
1205	12.700	5.50	5.56



Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

Product	RE	P			M			K			N			S			H		
		vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]



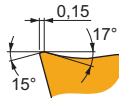
F geometry, 90° shoulder milling insert, with positive design for light to medium machining.

SDMT 120508SN-F	M8310	0.8	265	0.15	4.0	135	0.15	4.0	-	-	-	-	-	-	-	-	-	-	-	-
	M8330	0.8	245	0.15	4.0	145	0.15	4.0	-	-	-	735	0.18	4.0	-	-	-	-	-	-



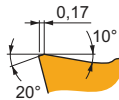
Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

Product	RE [mm]	P			M			K			N			S			H		
		vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]	[m/min]	[mm/tooth]	[mm]



FM geometry, 90° shoulder milling insert, with positive design for medium machining.

SDMT 120508SN-FM	M8345	0.8	■	175	0.15	4.0	■	105	0.15	4.0	■	-	-	-	-	-	-	-	-
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R geometry, 90° shoulder milling insert, with positive design for unstable cutting conditions.

SDMT 120508SN-R	M8330	0.8	■	225	0.20	4.0	■	-	-	-	■	210	0.20	4.0	-	-	-	-	-
	M8345	0.8	■	165	0.20	4.0	■	-	-	-	■	-	-	-	-	-	-	-	-
	M9340	0.8	■	250	0.20	4.0	■	-	-	-	■	-	-	-	-	-	-	-	-
SDMT 1205AESN-R	M8330	-	■	265	0.20	4.0	■	-	-	-	■	250	0.20	4.0	-	-	-	-	-
	M8340	-	■	240	0.20	4.0	■	-	-	-	■	225	0.20	4.0	-	-	-	-	-

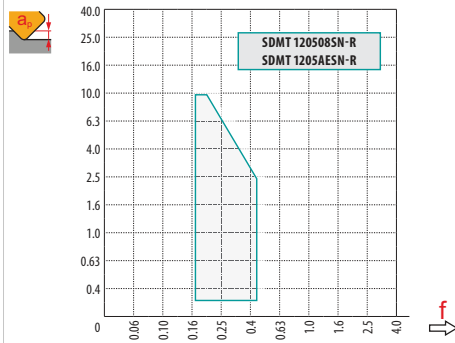
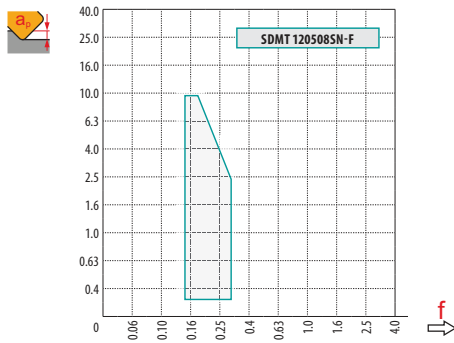
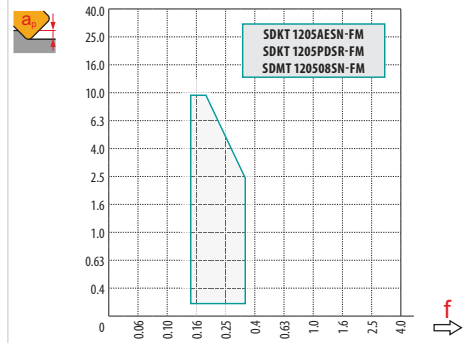
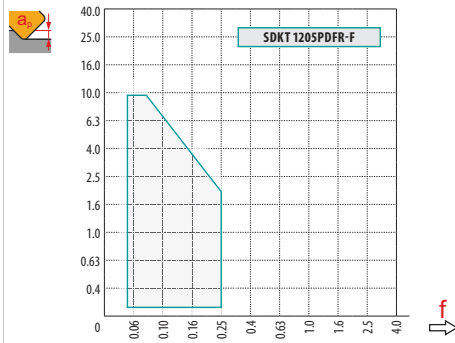
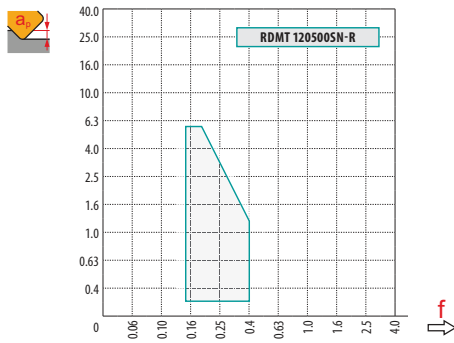
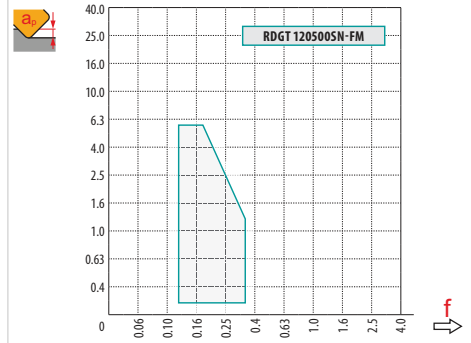
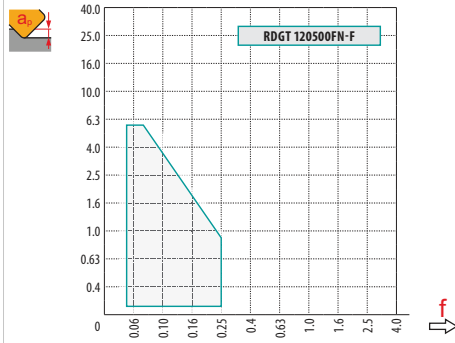
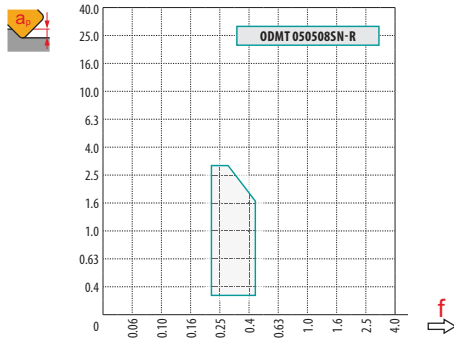
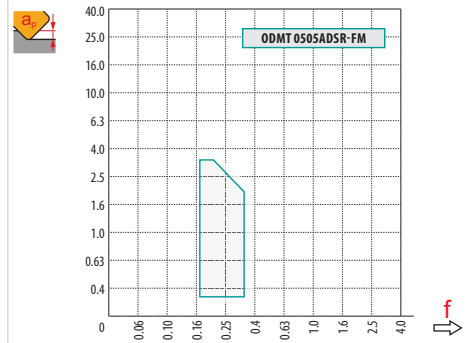
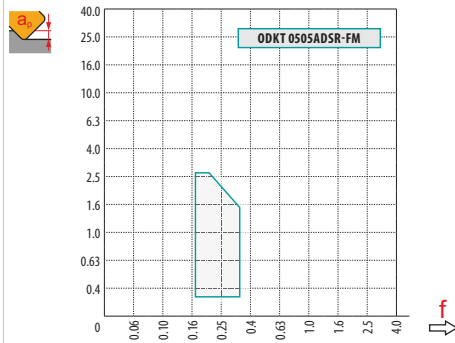
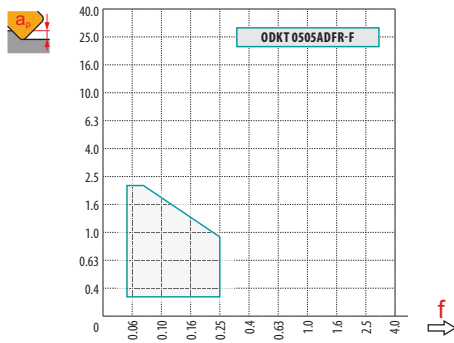


a_e DCX	5%	10%	15%	20%	25%	30%	40%	50%	60%	70%	75%	80%	90%	100%
	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	ODKT 05-F	ODKT 05-FM	ODMT 05-FM	ODMT 05-R
	0.4	0.8	0.8	0.8
	1.00	1.00	-	-

	RDGT 12-F	RDGT 12-FM	RDGT 12-R
	6.35	6.35	6.35
	-	-	-

	SDKT 12-F	SDKT 12-FM	SDMT 12-F	SDMT 12-R
	0.8	0.8	0.8	0.8
	2.30	2.30	-	-



DCX	DEF	R												
		0.25	0.50	0.60	0.70	0.80	1.00	1.25	1.50	2.00	3.00	4.00	5.00	6.00
32		23.43	24.80	25.23	25.62	25.99	26.63	27.33	27.94	28.94	30.39	31.31	31.83	32.00
40		31.43	32.80	33.23	33.62	33.99	34.63	35.33	35.94	36.94	38.39	39.31	39.83	40.00
50		41.43	42.80	43.23	43.62	43.99	44.63	45.33	45.94	46.94	48.39	49.31	49.83	50.00
63		54.43	55.80	56.23	56.62	56.99	57.63	58.33	58.94	59.94	61.39	62.31	62.83	63.00
80		71.43	72.80	73.23	73.62	73.99	74.63	75.33	75.94	76.94	78.39	79.31	79.83	80.00
100		91.43	92.80	93.23	93.62	93.99	94.63	95.33	95.94	96.94	98.39	99.31	99.83	100.00
125		116.43	117.80	118.23	118.62	118.99	119.63	120.33	120.94	121.94	123.39	124.31	124.83	125.00



32	1.36	0.28
40	1.40	0.31
50	1.43	0.33
63	1.47	0.37
80	1.52	0.42
100	1.57	0.47
125	1.62	0.52



10.0



	1.0	5.0	10.0
	0.35	0.21	0.15



50	4.1	7.05/100
63	2.7	4.6/100
80	1.8	3/100
100	1.7	2.85/100
125	0.7	1.1/100



50	3.8	6.2/95
63	2.5	4.25/100
80	1.7	2.85/100
100	1.6	2.65/100
125	0.3	0.4/100



	DMIN	DMAX		
50	78.0	100.0	4.5	4.5
63	105.0	126.0	4.5	4.5
80	138.0	160.0	4.5	4.5
100	178.0	200.0	4.5	4.5
125	229.0	250.0	4.0	4.5



	DMIN	DMAX		
50	78.0	100.0	4.5	4.5
63	105.0	126.0	4.5	4.5
80	138.0	160.0	4.5	4.5
100	178.0	200.0	4.5	4.5
125	230.0	250.0	4.0	4.5



	O	R
	2.4	2.3

**R**

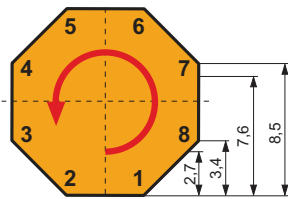
	μm	3	5	10	15	20	30	40	50	60	80	100
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
100		1.095	1.414	2.000	2.449	2.828	3.464	4.000	4.472	4.899	5.657	6.325
125		1.225	1.581	2.236	2.739	3.162	3.873	4.472	5.000	5.477	6.325	7.071

	μm	3	5	10	15	20	30	40	50	60	80	100
6.0		0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191

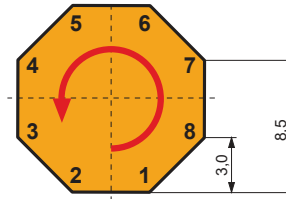


ODKT 05

ODMT 05



-> 2.7	8
-> 3.4	7
-> 7.6	4
-> 8.5	2



-> 3.0	8
-> 8.5	4