

SSN11



PRAMET

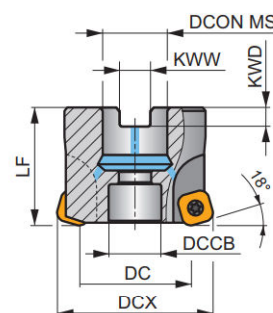
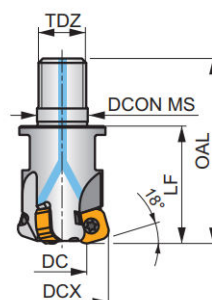
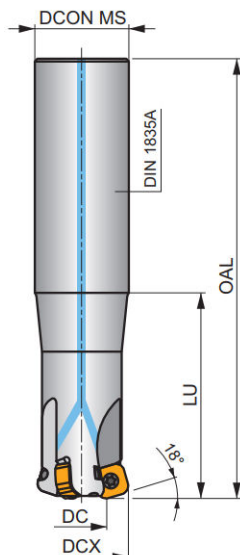
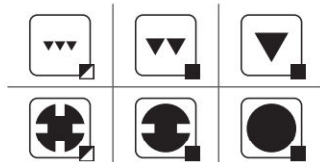
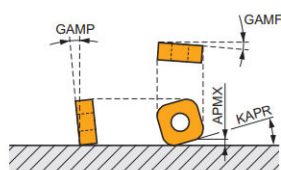
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High Feed Milling Cutter for SN.. 11 inserts with Internal Coolant

High-feed milling cutter for bigger diameters utilizing double-sided SNXG 11 inserts with eight cutting edges and APMX of 1.7 mm. Internal coolant. Suitable for a wide range of applications. Available in cylindrical, modular and arbor style. Body treated for longer tool life.

KAPR	18°
APMX	1.7 mm



	0.20 - 0.46
	0.20 - 0.46



Product	DCX	DC	OAL	DCON MS	DCCB	LU	LF	TDZ	KWW	KWD	GAMP	GAMP							
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)	(°)	(°)							
32E3R070A32-SSN11-C	32	18.3	150	32	-	70	-	-	-	-	-11.5	-10	3	-	17500	✓	0.69	GI339	C0314
32E3R120A32-SSN11-C	32	18.3	200	32	-	120	-	-	-	-	-11.5	-10	3	-	17500	✓	0.89	GI339	C0314
35E3R050A32-SSN11-C	35	21.2	200	32	-	50	-	-	-	-	-11	-10	3	-	16800	✓	1.08	GI339	C0314
32E3R040M16-SSN11-C	32	18.3	63	17	-	40	M16	-	-	-	-11.5	-10	3	-	17500	✓	0.19	GI339	C0314
35E3R040M16-SSN11-C	35	21.2	63	17	-	40	M16	-	-	-	-11	-10	3	-	16800	✓	0.19	GI339	C0314
40E4R043M16-SSN11-C	40	26.2	66	17	-	43	M16	-	-	-	-10.5	-10	4	✓	15700	✓	0.26	GI339	C0314
40A04R-SMOSN11-C	40	26.2	-	16	12.4	-	40	-	8.4	5.6	-10.5	-10	4	✓	15700	✓	0.19	GI339	C0316
42A04R-SMOSN11-C	42	28.2	-	16	14.1	-	40	-	8.4	5.6	-10.5	-10	4	✓	15300	✓	0.21	GI339	C0318
50A05R-SMOSN11-C	50	36.1	-	22	18.1	-	40	-	10.4	6.3	-10	-10	5	✓	14000	✓	0.31	GI339	C0320
50A06R-SMOSN11-C	50	36.1	-	22	18.1	-	40	-	10.4	6.3	-10	-10	6	✓	14000	✓	0.43	GI339	C0320
52A05R-SMOSN11-C	52	38.1	-	22	18.1	-	40	-	10.4	6.3	-10	-10	5	✓	13800	✓	0.47	GI339	C0320
52A06R-SMOSN11-C	52	38.1	-	22	18.1	-	40	-	10.4	6.3	-10	-10	6	✓	13800	✓	0.46	GI339	C0320
63A06R-SMOSN11-C	63	49.1	-	22	18.1	-	40	-	10.4	6.3	-10	-10	6	✓	12500	✓	0.46	GI339	C0320
63A08R-SMOSN11-C	63	49.1	-	22	18.1	-	40	-	10.4	6.3	-10	-10	8	✓	12500	✓	0.60	GI339	C0320
66A06R-SMOSN11-C	66	52.1	-	27	18.1	-	50	-	12.4	7	-10	-10	6	✓	12200	✓	0.88	GI339	C0322
66A08R-SMOSN11-C	66	52.1	-	27	18.1	-	50	-	12.4	7	-10	-10	8	✓	12200	✓	0.88	GI339	C0322
80A07R-SMOSN11-C	80	66.1	-	27	38.1	-	50	-	12.4	7	-10	-10	7	✓	11100	✓	0.95	GI339	C0324 AC001
80A09R-SMOSN11-C	80	66.1	-	27	38.1	-	50	-	12.4	7	-10	-10	9	✓	11100	✓	1.03	GI339	C0324 AC001
100A08R-SMOSN11-C	100	86.1	-	32	45.1	-	50	-	14.4	8	-10	-10	8	✓	9900	✓	1.83	GI339	C0324 AC002
115A08R-SMOSN11-C	115	101.1	-	32	45.1	-	50	-	14.4	8	-10	-10	8	✓	9200	✓	2.30	GI339	C0324 AC002
125A08R-SMOSN11-C	125	111.1	-	40	56.1	-	63	-	16.4	9	-10	-10	8	✓	8900	✓	3.34	GI339	C0324 AC003



GI339



SNGX 1104..

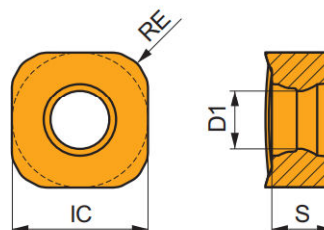
C0314	US 44012-T15P	3.5	M 4	12	—	—	Flag T15P	—
C0316	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	—	HCS 0840C
C0318	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	—	HS 90835
C0320	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	—	HS 1030C
C0322	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	—	HS 1230C
C0324	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	—	—

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

SNGX 11

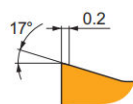
PRAMET

	IC	D1	S
	(mm)	(mm)	(mm)
1104	10.600	4.56	4.76



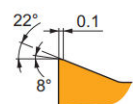
Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

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)



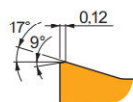
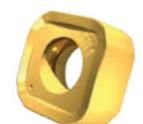
M geometry with positive design for high feed machining.

SNGX 110416SR-M:8215	✱	1.6	260	0.60	1.0	—	—	—	245	0.60	1.0	—	—	—	—	—	—	—	—
SNGX 110416SR-M:M8310	✱	1.6	275	0.60	1.0	—	—	—	260	0.60	1.0	—	—	—	—	—	—	—	—
SNGX 110416SR-M:M8330	✱	1.6	260	0.60	1.0	—	—	—	245	0.60	1.0	—	—	—	—	—	—	—	—
SNGX 110416SR-M:M8340	✱	1.6	245	0.60	1.0	—	—	—	230	0.60	1.0	—	—	—	—	—	—	—	—
SNGX 110416SR-M:M9325	✱	1.6	305	0.60	1.0	—	—	—	285	0.60	1.0	—	—	—	—	—	—	—	—
SNGX 110416SR-M:M9340	✱	1.6	270	0.60	1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—



MM geometry with highly positive design for high feed machining.

SNGX 110416SR-MM:M6330	✱	1.6	175	0.60	1.0	125	0.54	1.0	—	—	—	—	—	—	50	0.42	0.8	—	—
SNGX 110416SR-MM:M8340	✱	1.6	190	0.60	1.0	110	0.54	1.0	—	—	—	—	—	—	45	0.42	0.8	—	—
SNGX 110416SR-MM:M8345	✱	1.6	150	0.60	1.0	90	0.54	1.0	—	—	—	—	—	—	35	0.42	0.8	—	—
SNGX 110416SR-MM:M9340	✱	1.6	210	0.60	1.0	125	0.54	1.0	—	—	—	—	—	—	50	0.42	0.8	—	—



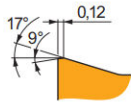
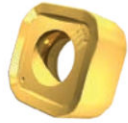
HM geometry with strong design for high feed machining.

SNGX 110416SR-HM:8215	✱	1.6	230	1.00	1.0	—	—	—	215	1.00	1.0	—	—	—	—	—	—	45	0.70	0.7
SNGX 110416SR-HM:M8310	✱	1.6	240	1.00	1.0	—	—	—	225	1.00	1.0	—	—	—	—	—	—	45	0.70	0.7



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)



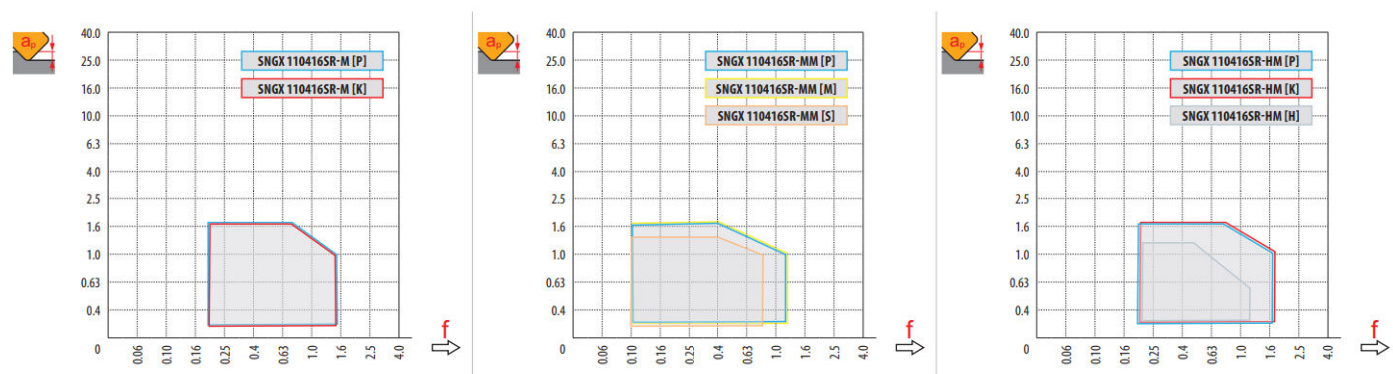
HM geometry with strong design for high feed machining.

SNGX 110416SR-HM:M8330		1.6		235	1.00	1.0		—	—	—		220	1.00	1.0		—	—	—		—	—	—		45	0.70	0.7
SNGX 110416SR-HM:M9325		1.6		260	1.00	1.0		—	—	—		245	1.00	1.0		—	—	—		—	—	—		50	0.70	0.7



a_s 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

	SNGX 11 - M	SNGX 11 - MM	SNGX 11 - HM
	1.6	1.6	1.6
	—	—	—



HFC														
		0.00	0.20	0.40	0.60	0.80	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70
32		18.30	19.53	20.76	21.99	23.22	24.46	25.07	25.69	26.30	26.92	27.53	28.15	28.76
35		21.20	22.43	23.66	24.89	26.12	27.36	27.97	28.59	29.20	29.82	30.43	31.05	31.66
40		26.20	27.43	28.66	29.89	31.12	32.36	32.97	33.59	34.20	34.82	35.43	36.05	36.66
42		28.20	29.43	30.66	31.89	33.12	34.36	34.97	35.59	36.20	36.82	37.43	38.05	38.66
50		36.10	37.33	38.56	39.79	41.02	42.26	42.87	43.49	44.10	44.72	45.33	45.95	46.56
52		38.10	39.33	40.56	41.79	43.02	44.26	44.87	45.49	46.10	46.72	47.33	47.95	48.56
63		49.10	50.33	51.56	52.79	54.02	55.26	55.87	56.49	57.10	57.72	58.33	58.95	59.56
66		52.10	53.33	54.56	55.79	57.02	58.26	58.87	59.49	60.10	60.72	61.33	61.95	62.56
80		66.10	67.33	68.56	69.79	71.02	72.26	72.87	73.49	74.10	74.72	75.33	75.95	76.56
100		86.10	87.33	88.56	89.79	91.02	92.26	92.87	93.49	94.10	94.72	95.33	95.95	96.56
115		101.10	102.33	103.56	104.79	106.02	107.26	107.87	108.49	109.10	109.72	110.33	110.95	111.56
125		111.10	112.33	113.56	114.79	116.02	117.26	117.87	118.49	119.10	119.72	120.33	120.95	121.56
		—	0.20	0.40	0.60	0.80	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70
		—	1.37	0.98	0.81	0.71	0.64	0.62	0.59	0.58	0.56	0.54	0.53	0.52



SNGX

		f_{max}
32	5.0	0.25
35	5.0	0.25
40	5.2	0.30
42	5.2	0.30
50	5.3	0.30
52	5.3	0.30
63	5.4	0.30
66	5.4	0.30
80	5.5	0.35
100	5.5	0.35
115	5.5	0.35
125	5.5	0.35



SNGX (HFC)

	RPMX	APMX//
32	0.8	1.4/100
35	0.8	1.4/100
40	0.7	1.2/100
42	0.7	1.2/100
50	0.5	0.9/100
52	0.5	0.9/100
63	0.4	0.7/100
66	0.4	0.7/100
80	0.3	0.5/100
100	0.2	0.3/100
115	0.2	0.3/100
125	0.2	0.3/100



SNGX (HFC)

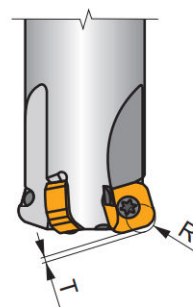
		f_{max}
32	0.2	0.3
35	0.2	0.3
40	0.2	0.3
42	0.2	0.3
50	0.3	0.4
52	0.3	0.4
63	0.3	0.4
66	0.3	0.4
80	0.3	0.4
100	0.3	0.4
115	0.3	0.4
125	0.3	0.4



	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
35		0.648	0.837	1.183	1.449	1.673	2.049	2.366	2.646	2.898	3.347	3.742
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
42		0.710	0.917	1.296	1.587	1.833	2.245	2.592	2.898	3.175	3.666	4.099
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
52		0.790	1.020	1.442	1.766	2.040	2.498	2.884	3.225	3.533	4.079	4.561
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
66		0.890	1.149	1.625	1.990	2.298	2.814	3.250	3.633	3.980	4.596	5.138
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
115		1.175	1.517	2.145	2.627	3.033	3.715	4.290	4.796	5.254	6.066	6.782
125		1.225	1.581	2.236	2.739	3.162	3.873	4.472	5.000	5.477	6.325	7.071



	SNGX			
	0.2	0.5	1.0	1.7
	1.20	1.00	0.50	0.25



SNGX	R	T
SNGX 110416	4.6	0.92

SNGX (HFC)				
DCX	D _{MIN}	D _{MAX}	SMAx DMIN	SMAx DMAX
32	48.0	63.8	0.7	1.4
35	54.0	69.8	0.8	1.5
40	64.0	79.8	0.9	1.5
42	68.0	83.8	1.0	1.6
50	84.0	99.8	0.9	1.4
52	88.0	103.8	1.0	1.4
63	109.0	125.8	1.0	1.4
66	115.0	131.8	1.1	1.4
80	143.0	159.8	1.0	1.3
100	183.0	199.8	0.9	1.1
115	213.0	229.8	1.1	1.3
125	233.0	249.8	1.2	1.4