

A High Feed Cutter with High Versatility

Double negative cutters for high feed milling *

Developments expectations

- Productive with high feed rates
- Economical with 4 cutting edges
- Safe with high ramping angle
- Versatile for more than just high feed milling
 - Copy milling
 - Ramping and helical interpolation
 - Slotting and plunging
 - Face and shoulder milling

**COMPLETE
OFFER FOR
MOLD & DIE**



ISBN10

*Threaded shank and shell mills also available

INSERTS

Features and benefits

BNGX Inserts

High-feed cutting design



Positive geometry

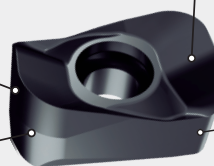
Double sided 4-edge insert

ANHX10 Inserts

Ultra sub-micron substrate

Corner radius

Highly positive geometry

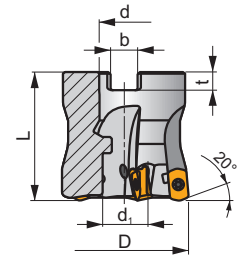
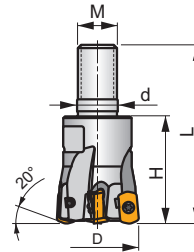
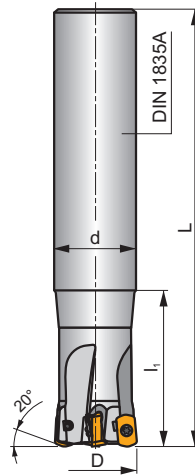
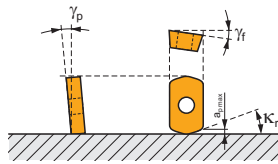


Multi-layer PVD coating

ISBN10 MILLING CUTTERS



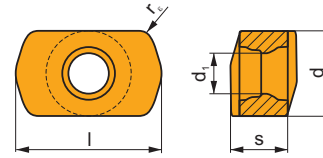
κ_r	20°
a_{pmax}	1.0



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	062E2R197C062-ISBN10-C	.625	5.906	.625	-	1.969	-	-	-	-	-10°	-7° - -12°	2	-
	075E3R157C075-ISBN10-C	.750	5.118	.750	-	1.575	-	-	-	-	-10°	-7° - -12°	3	-
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	100E4R394C100-ISBN10-C	1.000	7.087	1.000	-	3.937	-	-	-	-	-10°	-7° - -12°	4	✓
	100E4R472C100-ISBN10-C	1.000	8.661	1.000	-	4.724	-	-	-	-	-10°	-7° - -12°	4	✓
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BNGX 10 MILLING INSERTS

	d	d ₁	l	s
10T3	.228	.109	.391	.154

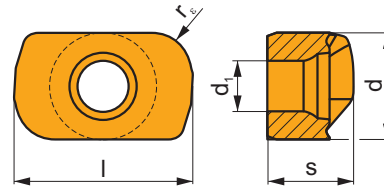


ANSI		P	M	K	N	S	H			r _e	f _{min}	f _{max}	a _{p min}	a _{p max}
	BNGX 10T308SR-M	M9325	■ □	■				☹	---	.031	.008	.041	.012	.039
		M8310	■ □	■			▣	☹	-	.031	.008	.055	.012	.039
		M8330	■ □	■			▣	☹	-	.031	.008	.055	.012	.039
		M8340	■ □	▣				☹	+/-	.031	.008	.055	.012	.039
		M8345	■ □					☹	+/-	.031	.008	.055	.012	.039
		8215	■ □	■			▣	☹	-	.031	.008	.055	.012	.039
	BNGX 10T308SR-MM	M9325	▣ ▣			▣		☹	---	.031	.008	.033	.012	.039
		M9340	▣ ▣	■		■		☹	---	.031	.008	.033	.012	.039
		M6330	▣ ▣	■		■		☹	-	.031	.010	.043	.012	.039
		M8310	▣ ▣	□		□		☹	-	.031	.010	.043	.012	.039
		M8330	▣ ▣	□	□	□		☹	-	.031	.010	.043	.012	.039
		M8340	▣ ▣	□		■		☹	+/-	.031	.010	.043	.012	.039
		M8345	▣ ▣	■		■		☹	+/-	.031	.010	.043	.012	.039
	BNGX 10T308SR-HM	M8310	□	■		■		☹	-	.031	.004	.039	.004	.039
		M8330	□	■		▣		☹	-	.031	.004	.039	.004	.039
		8215	□	■		■		☹	-	.031	.004	.039	.004	.039

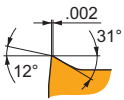
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	☹	.008	.046	893	798	638	806	736	669	533	774
	☹	.008	.037	767	685	548	672	613	574	458	636
M	●	.008	.043	487	509	487	417	450	432	340	465
	☹	.008	.035	448	469	448	384	414	397	312	428
	☹	.008	.026	385	402	385	330	356	341	268	367
K	●	.008	.059	-	-	-	829	753	683	-	794
	☹	.008	.049	-	-	-	763	693	628	-	730
	☹	.008	.039	-	-	-	655	595	539	-	627
S	●	.008	.035	221	236	214	192	207	192	155	-
	☹	.008	.030	204	217	197	177	190	177	143	-
	☹	.004	.026	175	187	169	152	163	152	122	-
H	●	.002	.028	-	-	-	173	159	-	-	166
	☹	.002	.022	-	-	-	160	146	-	-	153
	☹	.002	.017	-	-	-	137	125	-	-	131

ANHX 10 MILLING INSERTS

	d	d ₁	l	s
10T3	.228	.109	.383	.185



ANSI		P	M	K	N	S	H			r _e	f _{min}	f _{max}	a _{p min}	a _{p max}
ANHX 10T320SR-F	M8310	■	▣	□		□	▣	⚙	-	.079	.002	.006	.004	.118
	M8330	■	▣	□	□	□	▣	⚙	-	.079	.002	.006	.004	.118
	M8340	■	▣	□		▣		⚙	+/-	.079	.002	.006	.004	.118



ISO		f _{min}	f _{max}	M8310	M8330	M8340
P	●	.002	.006	1312	1058	1058
	⚙	.002	.005	1207	973	973
	⚙	.002	.004	1037	836	836
M	●	.002	.006	664	623	697
	⚙	.002	.005	611	574	641
	⚙	.002	.004	525	492	551
K	●	.002	.006	1239	993	1116
	⚙	.002	.005	1139	913	1026
	⚙	.002	.004	978	784	881
S	●	.002	.006	295	279	312
	⚙	.002	.005	272	257	287
	⚙	.002	.004	233	220	246
H	●	.002	.006	254	230	-
	⚙	.002	.005	234	211	-
	⚙	.002	.004	201	181	-