

SAD16E



PRAMET

S

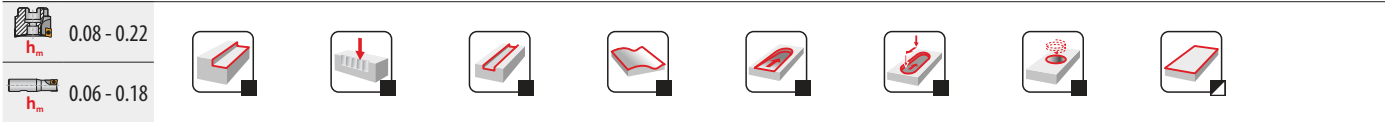
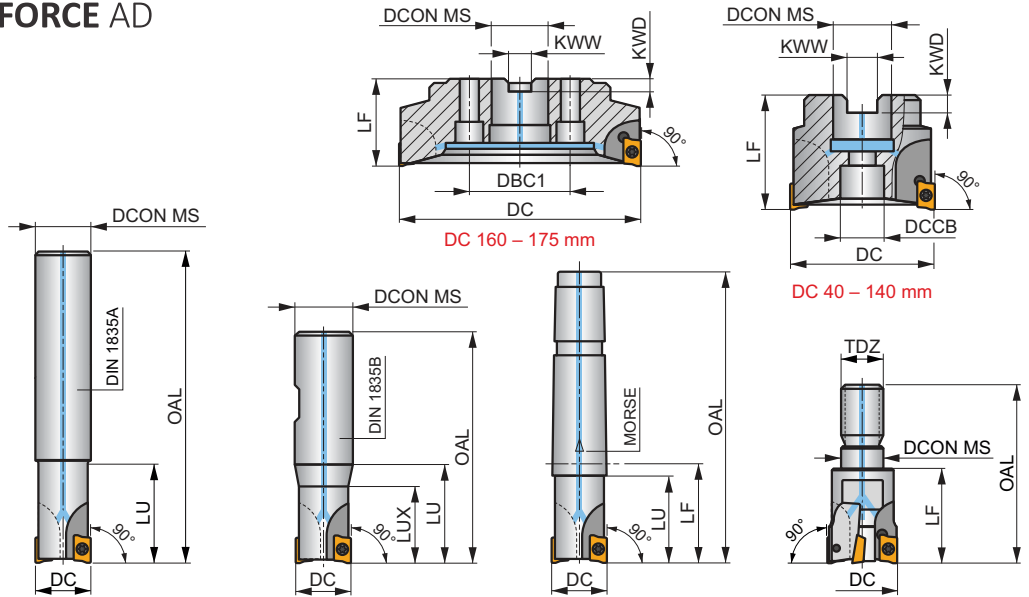
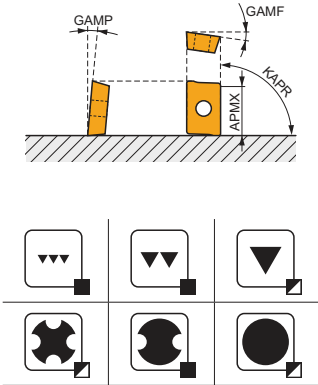


FORCE AD16 Square Shoulder Mill with Internal Coolant

90° end and shell mills utilising positive AD. 16 style insert with APMX of 13 mm. Suitable for face, shoulder, slot, helical, trochoidal, ramping and plunge milling. Available in cylindrical, Weldon, Morse taper, modular and arbor (with differential tooth pitch) style, in Ø25 up to Ø175 mm. Body treated for longer tool life.

FORCE AD

KAPR	90°
APMX	13.0 mm



Product	DC	OAL	DCON MS	DCCB	DBC1	LU	LUX	LF	TDZ	CZC MS	KWW	KWD	GAMP	GAMP	max.			kg	ISO 6462 DIN 8030			
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]	[°]								
25A2R033A25-SAD16E-C	25	165	25	-	-	33	-	-	-	-	-	-	-13	5	2	-	18700	✓	0.52	GI165	SQ030	-
25A2R038A25-SAD16E-C	25	200	25	-	-	38	-	-	-	-	-	-	-13	5	2	-	18700	✓	0.71	GI165	SQ030	-
32A3R033A32-SAD16E-C	32	195	32	-	-	33	-	-	-	-	-	-	-12	7	3	-	16500	✓	1.03	GI165	SQ030	-
32A3R048A32-SAD16E-C	32	250	32	-	-	48	-	-	-	-	-	-	-12	7	3	-	16500	✓	1.37	GI165	SQ030	-
25A2R042B25-SAD16E-C	25	98	25	-	-	42	-	-	-	-	-	-	-13	5	2	-	18700	✓	0.29	GI165	SQ030	-
32A3R040B32-SAD16E-C	32	100	32	-	-	40	-	-	-	-	-	-	-12	7	3	-	16500	✓	0.50	GI165	SQ030	-
40A3R050B32-SAD16E-C	40	110	32	-	-	50	-	-	-	-	-	-	-8.2	10.5	3	-	14800	✓	0.59	GI165	SQ030	-
40A4R050B32-SAD16E-C	40	110	32	-	-	50	-	-	-	-	-	-	-8.2	10.5	4	-	14800	✓	0.65	GI165	SQ030	-
25A2R043E03-SAD16E-C	25	98	-	-	-	38	-	43	-	3	-	-	-13	5	2	-	18600	✓	0.31	GI165	SQ030	-
32A3R043E03-SAD16E-C	32	100	-	-	-	38	-	43	-	3	-	-	-12	7	3	-	16500	✓	0.33	GI165	SQ030	-
40A3R054E04-SAD16E-C	40	110	-	-	-	48	-	54	-	4	-	-	-8.2	10.5	3	-	14700	✓	0.74	GI165	SQ030	-
40A4R054E04-SAD16E-C	40	110	-	-	-	48	-	54	-	4	-	-	-8.2	10.5	4	-	14700	✓	0.70	GI165	SQ030	-
32A3R043M16-SAD16E-C	32	66	17	-	-	-	-	43	M16	-	-	-	-12	7	3	-	-	✓	0.20	GI165	SQ030	-
40A4R043M16-SAD16E-C	40	66	17	-	-	-	-	43	M16	-	-	-	-8.2	10.5	4	-	-	✓	0.27	GI165	SQ030	-
40A04R-S90AD16E-C	40	-	16	14	-	-	-	40	-	-	8.4	5.6	-8.2	10.5	4	-	14700	✓	0.21	GI165	SQ032	-
50A03R-S90AD16E-C	50	-	22	18	-	-	-	40	-	-	10.4	6.3	-7	11	3	-	13200	✓	0.43	GI165	SQ033	-
50A05R-S90AD16E-C	50	-	22	18	-	-	-	40	-	-	10.4	6.3	-7	11	5	✓	13200	✓	0.59	GI165	SQ033	-
63A04R-S90AD16E-C	63	-	22	18	-	-	-	40	-	-	10.4	6.3	-6	12	4	✓	11800	✓	0.62	GI165	SQ033	-
63A06R-S90AD16E-C	63	-	22	18	-	-	-	40	-	-	10.4	6.3	-6	12	6	✓	11800	✓	0.46	GI165	SQ033	-
80A05R-S90AD16E-C	80	-	27	38	-	-	-	50	-	-	12.4	7	-5	12	5	✓	10400	✓	1.01	GI165	SQ031 AC001	-
80A07R-S90AD16E-C	80	-	27	38	-	-	-	50	-	-	12.4	7	-5	13	7	✓	10400	✓	0.97	GI165	SQ031 AC001	-
100A06R-S90AD16E-C	100	-	32	45	-	-	-	50	-	-	14.4	8	-4	12	6	✓	9300	✓	1.89	GI165	SQ031 AC002	-
100A08R-S90AD16E-C	100	-	32	45	-	-	-	50	-	-	14.4	8	-4	12	8	✓	9300	✓	1.69	GI165	SQ031 AC002	-
125A09R-S90AD16E-C	125	-	40	56	-	-	-	63	-	-	16.4	9	-3.8	12	9	✓	8400	✓	3.46	GI165	SQ031 AC003	-
140A08R-S90AD16E-C	140	-	40	56	-	-	-	63	-	-	16.4	9	-3.8	12	8	✓	7900	✓	4.06	GI165	SQ031	-
160C10R-S90AD16E-C	160	-	40	-	66.7	-	-	63	-	-	16.4	9.2	-3.8	10	10	✓	7300	✓	6.04	GI165	SQ036	-
175C10R-S90AD16E-C	175	-	40	-	66.7	-	-	63	-	-	16.4	9.2	-3.8	12	10	✓	7000	✓	7.00	GI165	SQ036	-



GI165	ADMX 1606..	ADEX 1606..									

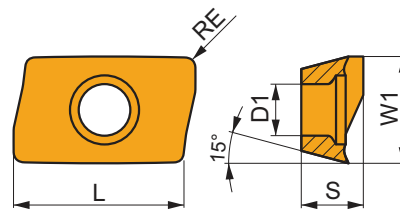
SQ030	US 4008-T15P	3.5	M 4	8	-	-	Flag T15P	-	-	-	-
SQ031	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	-	-	-	-	-
SQ032	US 4008-T15P	3.5	M 4	8	D-T08P/T15P	FG-15	-	HS 0830C	-	-	-
SQ033	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	-	HS 1030C	-	-	-
SQ036	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	-	HS 1240C	CAC 160C	HSD 0825C	HXK 5

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

ADMX 16

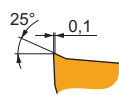


	W1	D1	L	S
	[mm]	[mm]	[mm]	[mm]
1606	9.950	4.50	16.00	6.25



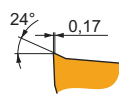
Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

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



F geometry with highly positive design for light to medium machining.

ADMX 160608SR-F	8215	0.8	265	0.15	2.0	155	0.14	2.0	250	0.15	2.0	795	0.18	2.0	65	0.11	1.6	-	-	-
	M8310	0.8	285	0.15	2.0	145	0.14	2.0	270	0.15	2.0	-	-	-	-	-	-	-	-	-
	M8330	0.8	260	0.15	2.0	155	0.14	2.0	245	0.15	2.0	780	0.18	2.0	65	0.11	1.6	-	-	-
	M8340	0.8	235	0.15	2.0	140	0.14	2.0	220	0.15	2.0	-	-	-	55	0.11	1.6	-	-	-
	M9340	0.8	300	0.15	2.0	180	0.14	2.0	-	-	-	-	-	-	75	0.11	1.6	-	-	-



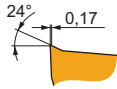
M geometry with positive design for light to medium machining.

ADMX 160604SR-M	8215	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	-	-	-	45	0.13	4.0	-	-	-
	M8330	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	-	-	-	45	0.13	4.0	-	-	-
	M8340	0.4	170	0.18	5.0	100	0.16	5.0	160	0.18	5.0	-	-	-	40	0.13	4.0	-	-	-



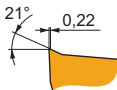
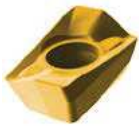
Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

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



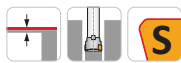
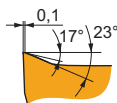
M geometry with positive design for light to medium machining.

ADMX 160608SR-M	8215	0.8	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	-	-	-	55	0.13	4.0	-	-	-	
	M5315	0.8	305	0.18	5.0	-	-	-	285	0.18	5.0	-	-	-	-	-	-	-	-	-	
	M8310	0.8	250	0.18	5.0	125	0.16	5.0	235	0.18	5.0	-	-	-	-	-	-	-	-	-	
	M8330	0.8	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	-	-	-	55	0.13	4.0	-	-	-	
	M8340	0.8	205	0.18	5.0	120	0.16	5.0	190	0.18	5.0	-	-	-	50	0.13	4.0	-	-	-	
	M9315	0.8	305	0.18	5.0	-	-	-	285	0.18	5.0	-	-	-	-	-	-	-	-	-	-
	M9325	0.8	280	0.18	5.0	-	-	-	265	0.18	5.0	-	-	-	-	-	-	-	-	-	-
	M9340	0.8	255	0.18	5.0	150	0.16	5.0	-	-	-	-	-	-	60	0.13	4.0	-	-	-	
	ADMX 160616SR-M	8215	1.6	250	0.18	5.0	150	0.16	5.0	235	0.18	5.0	-	-	-	60	0.13	4.0	-	-	-
M8310		1.6	275	0.18	5.0	140	0.16	5.0	260	0.18	5.0	-	-	-	-	-	-	-	-	-	
M8330		1.6	250	0.18	5.0	150	0.16	5.0	235	0.18	5.0	-	-	-	60	0.13	4.0	-	-	-	
M8340		1.6	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	-	-	-	55	0.13	4.0	-	-	-	
M9325		1.6	310	0.18	5.0	-	-	-	290	0.18	5.0	-	-	-	-	-	-	-	-	-	
ADMX 160620SR-M	M6330	2.0	225	0.18	5.0	155	0.16	5.0	-	-	-	-	-	-	65	0.13	4.0	-	-	-	
	M8330	2.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	-	-	-	65	0.13	4.0	-	-	-	
	M8340	2.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	-	-	-	60	0.13	4.0	-	-	-	
ADMX 160630SR-M	M8330	3.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	-	-	-	65	0.13	4.0	-	-	-	
	M8340	3.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	-	-	-	60	0.13	4.0	-	-	-	
ADMX 160632SR-M	M6330	3.2	225	0.18	5.0	155	0.16	5.0	-	-	-	-	-	-	65	0.13	4.0	-	-	-	
	M8330	3.2	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	-	-	-	65	0.13	4.0	-	-	-	
	M8340	3.2	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	-	-	-	60	0.13	4.0	-	-	-	
	M9325	3.2	325	0.18	5.0	-	-	-	305	0.18	5.0	-	-	-	-	-	-	-	-	-	
ADMX 160640SR-M	M6330	4.0	225	0.18	5.0	155	0.16	5.0	-	-	-	-	-	-	65	0.13	4.0	-	-	-	
	M8330	4.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	-	-	-	65	0.13	4.0	-	-	-	
	M8340	4.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	-	-	-	60	0.13	4.0	-	-	-	
ADMX 160650SR-M	M8330	5.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	-	-	-	65	0.13	4.0	-	-	-	
	M8340	5.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	-	-	-	60	0.13	4.0	-	-	-	



R geometry with positive design for medium to less stable machining conditions.

ADMX 160608PR-R	8215	0.8	205	0.25	6.0	120	0.23	6.0	190	0.25	6.0	-	-	-	50	0.20	4.8	40	0.15	1.0	
	M5315	0.8	260	0.25	6.0	-	-	-	245	0.25	6.0	-	-	-	-	-	-	50	0.15	1.0	
	M8310	0.8	220	0.25	6.0	110	0.23	6.0	205	0.25	6.0	-	-	-	-	-	-	40	0.15	1.0	
	M8330	0.8	205	0.25	6.0	120	0.23	6.0	190	0.25	6.0	-	-	-	50	0.20	4.8	40	0.15	1.0	
	M8340	0.8	190	0.25	6.0	110	0.23	6.0	180	0.25	6.0	-	-	-	45	0.20	4.8	-	-	-	
	M9315	0.8	265	0.25	6.0	-	-	-	250	0.25	6.0	-	-	-	-	-	-	50	0.15	1.0	
	M9325	0.8	250	0.25	6.0	-	-	-	235	0.25	6.0	-	-	-	-	-	-	50	0.15	1.0	
	ADMX 160616PR-R	M5315	1.6	290	0.25	6.0	-	-	-	275	0.25	6.0	-	-	-	-	-	-	55	0.15	1.0
		M8330	1.6	225	0.25	6.0	135	0.23	6.0	210	0.25	6.0	-	-	-	55	0.20	4.8	45	0.15	1.0
M8340		1.6	210	0.25	6.0	125	0.23	6.0	195	0.25	6.0	-	-	-	50	0.20	4.8	-	-	-	
M9315		1.6	295	0.25	6.0	-	-	-	280	0.25	6.0	-	-	-	-	-	-	55	0.15	1.0	
M9325		1.6	275	0.25	6.0	-	-	-	260	0.25	6.0	-	-	-	-	-	-	55	0.15	1.0	



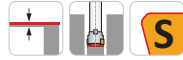
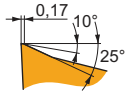
MF geometry with highly positive design for finish machining.

ADMX 160608SR-MF	M6330	0.8	215	0.08	4.0	150	0.07	4.0	-	-	-	-	-	-	60	0.06	3.2	-	-	-
	M8340	0.8	225	0.08	4.0	135	0.07	4.0	-	-	-	-	-	-	55	0.06	3.2	-	-	-
	M9340	0.8	305	0.08	4.0	180	0.07	4.0	-	-	-	-	-	-	75	0.06	3.2	-	-	-



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 [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]



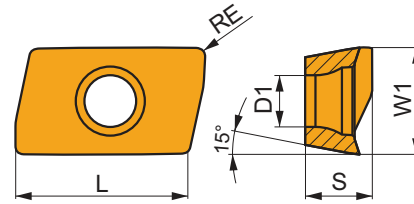
MM geometry with highly positive design for light to medium machining.

ADMX 160604SR-MM	M6330	0.4	145	0.18	4.0	105	0.16	4.0	—	—	—	—	—	—	40	0.14	3.2	—	—	—
	M8340	0.4	160	0.18	4.0	95	0.16	4.0	—	—	—	—	—	—	40	0.14	3.2	—	—	—
ADMX 160608SR-MM	M6330	0.8	175	0.18	4.0	125	0.16	4.0	—	—	—	—	—	—	50	0.14	3.2	—	—	—
	M8340	0.8	190	0.18	4.0	110	0.16	4.0	—	—	—	—	—	—	45	0.14	3.2	—	—	—
	M8345	0.8	150	0.18	4.0	90	0.16	4.0	—	—	—	—	—	—	35	0.14	3.2	—	—	—
ADMX 160616SR-MM	M9340	0.8	235	0.18	4.0	140	0.16	4.0	—	—	—	—	—	—	55	0.14	3.2	—	—	—
	M6330	1.6	195	0.18	4.0	140	0.16	4.0	—	—	—	—	—	—	55	0.14	3.2	—	—	—
	M8340	1.6	210	0.18	4.0	125	0.16	4.0	—	—	—	—	—	—	50	0.14	3.2	—	—	—
	M8345	1.6	165	0.18	4.0	95	0.16	4.0	—	—	—	—	—	—	40	0.14	3.2	—	—	—
	M9340	1.6	260	0.18	4.0	155	0.16	4.0	—	—	—	—	—	—	65	0.14	3.2	—	—	—

ADEX 16

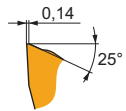


	W1 [mm]	D1 [mm]	L [mm]	S [mm]
1606	9.950	4.50	16.00	6.25



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 [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]



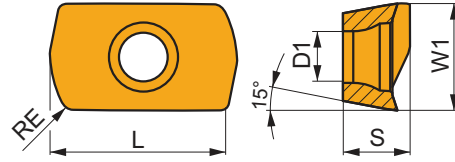
FM geometry with highly positive design for medium machining.

ADEX 160608SR-FM	8215	0.8	260	0.16	2.0	155	0.14	2.0	245	0.16	2.0	—	—	—	65	0.11	1.6	—	—	—
	M8330	0.8	255	0.16	2.0	150	0.14	2.0	240	0.16	2.0	—	—	—	60	0.11	1.6	—	—	—
	M8340	0.8	235	0.16	2.0	140	0.14	2.0	220	0.16	2.0	—	—	—	55	0.11	1.6	—	—	—



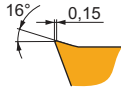
ADEX 16-HF

	W1	D1	L	S
	[mm]	[mm]	[mm]	[mm]
1606	9.950	4.50	16.00	5.88



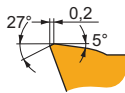
Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

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]



HF geometry with highly positive design for high feed machining.

ADEX 160612SR-HF	Grade	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
8215	1.2	■	195	1.00	0.6	■	115	0.90	0.6	■	-	-	-	-	-	-	-	-	-	-
M8310	1.2	■	205	1.00	0.6	■	100	0.77	0.6	■	-	-	-	-	-	-	-	-	-	-
M8330	1.2	■	200	1.00	0.6	■	120	0.90	0.6	■	-	-	-	-	-	-	-	-	-	-
M8340	1.2	■	185	1.00	0.6	■	110	0.90	0.6	■	-	-	-	-	-	-	-	-	-	-
M9340	1.2	■	195	1.00	0.6	■	115	0.90	0.6	■	-	-	-	-	-	-	-	-	-	-



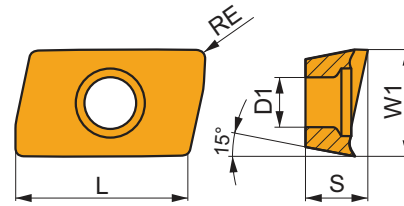
HF2 geometry with positive design for high feed machining.

ADEX 160612SR-HF2	Grade	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				
M8310	1.2	■	225	0.70	0.6	■	110	0.63	0.6	■	210	0.70	0.6	-	-	-	-	-	■	45	0.15	1.0		
M8330	1.2	■	215	0.70	0.6	■	125	0.63	0.6	■	200	0.70	0.6	-	-	-	■	50	0.63	0.5	■	40	0.15	1.0
M8340	1.2	■	205	0.70	0.6	■	120	0.63	0.6	■	190	0.70	0.6	-	-	-	■	50	0.63	0.5	-	-	-	-
M9325	1.2	■	245	0.70	0.6	■	-	-	-	■	230	0.70	0.6	-	-	-	-	-	■	45	0.15	1.0	-	
M9340	1.2	■	215	0.70	0.6	■	125	0.63	0.6	■	-	-	-	-	-	-	■	50	0.63	0.5	-	-	-	-



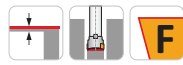
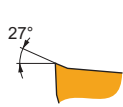
ADEX 16-FA

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	6.17



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]



FA geometry with highly positive design for fine-finish to medium machining.

ADEX 160604FR-FA	HF7	0.4	—	—	—	—	—	—	—	—	195	0.28	6.0	—	—	—	—	—	—
	M0315	0.4	—	—	—	—	—	—	—	—	480	0.28	6.0	—	—	—	—	—	—
ADEX 160608FR-FA	HF7	0.8	—	—	—	—	—	—	—	—	240	0.28	6.0	—	—	—	—	—	—
	M0315	0.8	—	—	—	—	—	—	—	—	570	0.28	6.0	—	—	—	—	—	—
ADEX 160616FR-FA	HF7	1.6	—	—	—	—	—	—	—	—	255	0.28	6.0	—	—	—	—	—	—
	M0315	1.6	—	—	—	—	—	—	—	—	630	0.28	6.0	—	—	—	—	—	—
ADEX 160630FR-FA	HF7	3.0	—	—	—	—	—	—	—	—	270	0.28	6.0	—	—	—	—	—	—

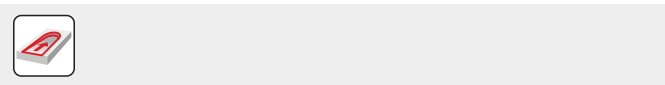
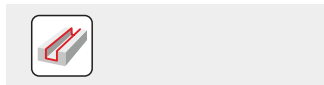
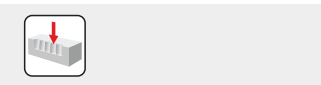
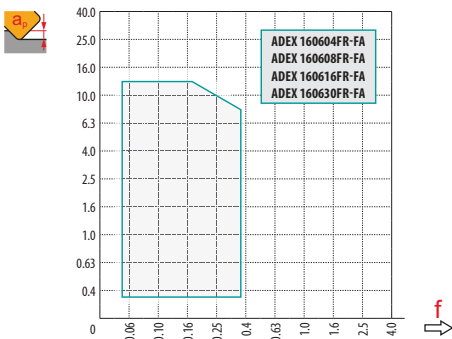
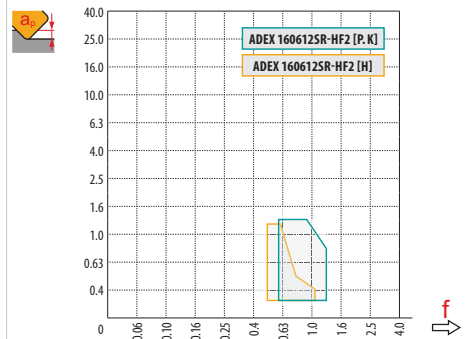
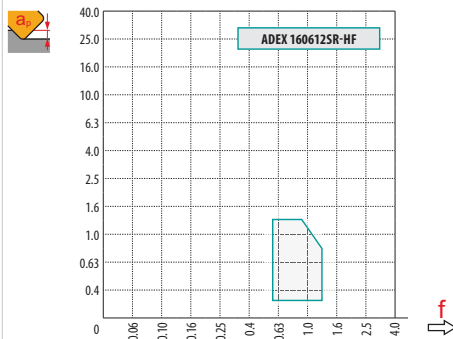
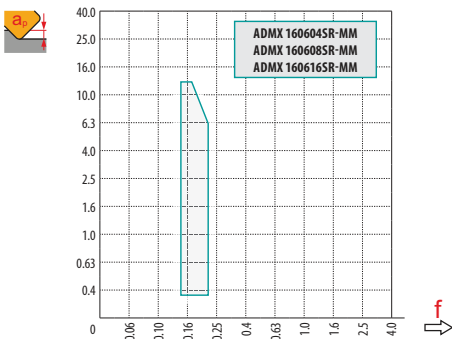
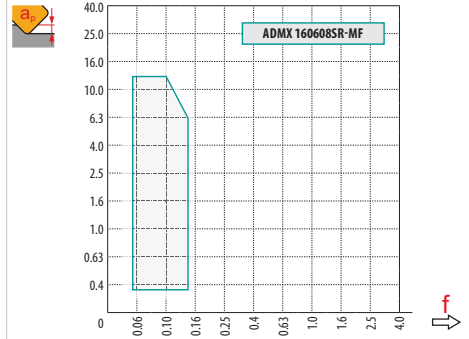
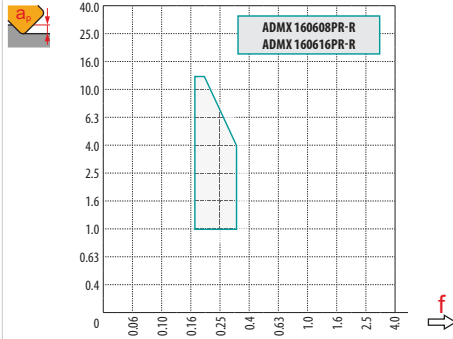
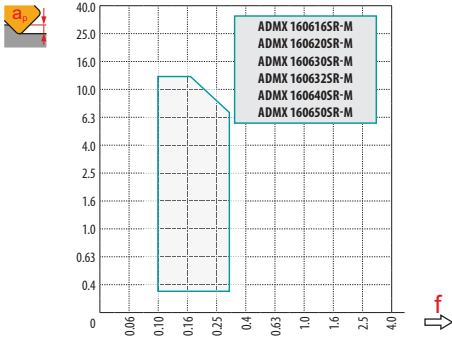
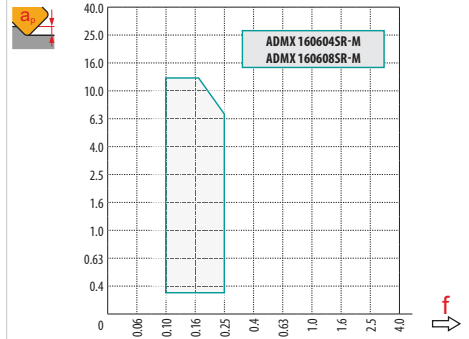
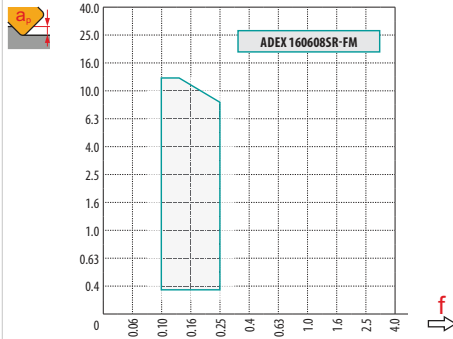
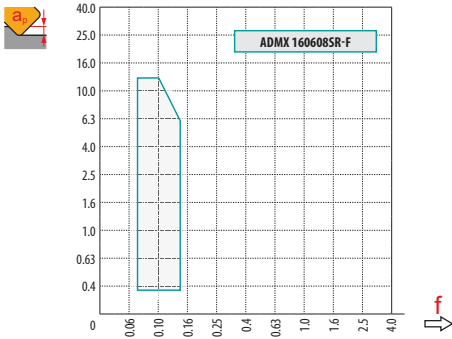


a_e DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
RE.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
RE.X.F	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
RE.X.F	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79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

RE	ADMX 16-F	ADEX 16-FM	ADMX 16-M								ADMX 16-R	
RE	0.8	0.8	0.4	0.8	1.6	2.0	3.0	3.2	4.0	5.0	0.8	1.6
BS	2.99	2.18	3.39	2.99	1.62	1.23	0.28	0.09	2.69	1.52	2.99	1.62

RE	ADMX 16-MF	ADMX 16-MM			ADEX 16-HF	ADEX 16-HF2	ADEX 16-FA			
RE	0.8	0.4	0.8	1.6	1.2	1.2	0.4	0.8	1.6	3.0
BS	2.99	3.39	2.99	1.62	0.52	0.52	2.84	2.44	1.65	0.69





max.
 7.5

	1.0	6.0	13.0
	0.28	0.19	0.10

DC	HFC				
	RPMX	APMX/I	RPMX*	RPMX**	APMX/I
25	12.5	13.0/60	4.0	8.0	1.3/19
32	7.5	13.0/100	2.0	7.5	1.3/38
40	5.0	8.6/100	1.2	4.5	1.3/65
50	3.5	6.0/100	0.8	3.0	1.3/100
63	2.5	4.2/100	0.5	2.0	0.8/100
80	2.0	3.3/100	0.4	1.5	0.6/100

* HFC milling
** Conventional milling



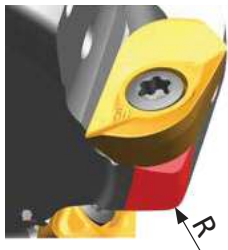
2.5

DC	HFC							
	DMIN	DMAX	SMAX DMIN	SMAX DMAX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
25	42.0	50.0	10.0	12.5	42.0	50.0	1.3	1.3
32	55.0	64.0	6.5	9.0	55.0	64.0	1.3	1.3
40	72.0	80.0	5.0	8.0	72.0	80.0	1.3	1.3
50	92.0	100.0	4.5	6.0	92.0	100.0	1.3	1.3
63	118.0	126.0	4.0	5.0	118.0	126.0	1.3	1.3
80	136.0	160.0	1.5	2.0	136.0	160.0	1.3	1.3

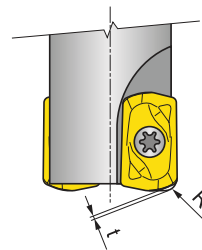


DC	μm	3	5	10	15	20	30	40	50	60	80	100
25	FE	0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	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

RE	μm	3	5	10	15	20	30	40	50	60	80	100
1.6	FE	0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549
3.2		0.277	0.358	0.506	0.620	0.716	0.876	1.012	1.131	1.239	1.431	1.600
4.0		0.310	0.400	0.566	0.693	0.800	0.980	1.131	1.265	1.386	1.600	1.789
5.0		0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000



ADMX/ADEX 16	R
ADMX 160630SR-M	2.5
ADMX 160632SR-M	2.5
ADMX 160640SR-M	4.0
ADMX 160650SR-M	4.5
ADEX 160612SR-HF	3.0
ADEX 160612SR-HF2	3.0



ADEX 16	R	t
ADEX 160612SR-HF	2.59	0.56
ADEX 160612SR-HF2	2.48	0.57