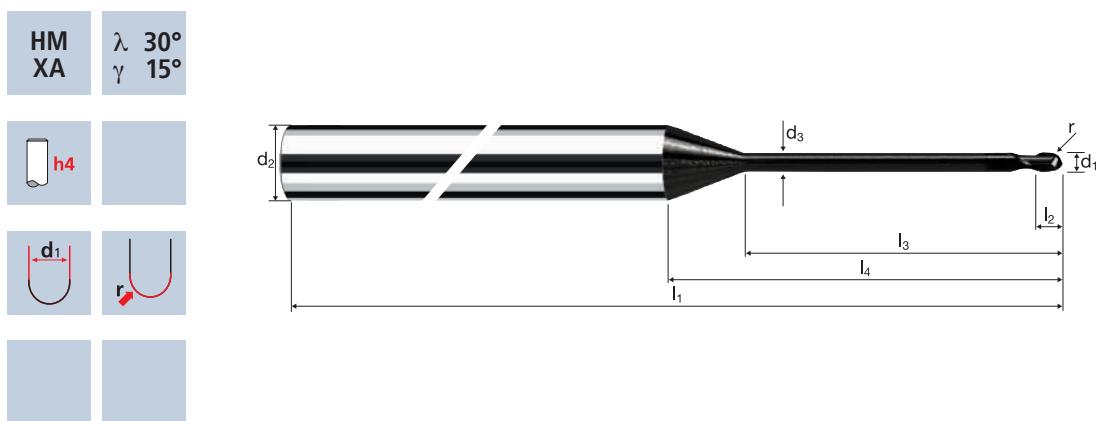


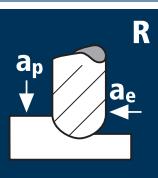
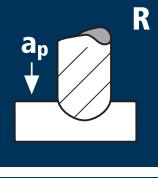
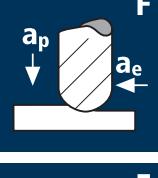
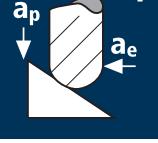
Ball nose end mills MicroX

Shank ø 6mm, cylindrical neck, 15xd

X-Generation



CF/GF
Fiber Reinforced
Plastics

Application	Material	d1 [mm]	z	f _z [mm]	a _p [mm]	a _e [mm]	n=15000 min ⁻¹ vf [mm/min]	n=25000 min ⁻¹ vf [mm/min]	n=30000 min ⁻¹ vf [mm/min]	n=45000 min ⁻¹ vf [mm/min]
	Graphite	0.30	2	0.002	0.060	0.090	60	100	120	180
		0.50	2	0.004	0.100	0.150	120	200	240	360
		0.60	2	0.005	0.100	0.200	150	250	300	450
		0.80	2	0.007	0.150	0.250	210	350	420	630
		1.00	2	0.008	0.200	0.300	240	400	480	720
		1.50	2	0.012	0.300	0.450	360	600	720	1080
		2.00	2	0.016	0.400	0.600	480	800	960	1440
		3.00	2	0.025	0.600	0.900	750	1250	1500	2250
		4.00	2	0.033	0.800	1.200	990	1650	1980	2970
	Graphite	0.30	2	0.002	0.030	0.300	60	100	120	180
		0.50	2	0.003	0.050	0.500	90	150	180	270
		0.60	2	0.004	0.060	0.600	120	200	240	360
		0.80	2	0.005	0.080	0.800	150	250	300	450
		1.00	2	0.006	0.100	1.000	180	300	360	540
		1.50	2	0.010	0.150	1.500	300	500	600	900
		2.00	2	0.013	0.200	2.000	390	650	780	1170
		3.00	2	0.019	0.300	3.000	570	950	1140	1710
		4.00	2	0.025	0.400	4.000	750	1250	1500	2250
	Graphite	0.30	2	0.003	0.020	0.030	90	150	180	270
		0.50	2	0.005	0.040	0.050	150	250	300	450
		0.60	2	0.006	0.050	0.060	180	300	360	540
		0.80	2	0.007	0.060	0.080	210	350	420	630
		1.00	2	0.009	0.080	0.100	270	450	540	810
		1.50	2	0.014	0.120	0.150	420	700	840	1260
		2.00	2	0.019	0.160	0.200	570	950	1140	1710
		3.00	2	0.028	0.240	0.300	840	1400	1680	2520
		4.00	2	0.037	0.320	0.400	1110	1850	2220	3330
	Graphite	0.30	2	0.003	0.020	0.020	90	150	180	270
		0.50	2	0.005	0.040	0.040	150	250	300	450
		0.60	2	0.006	0.050	0.050	180	300	360	540
		0.80	2	0.007	0.060	0.060	210	350	420	630
		1.00	2	0.009	0.080	0.080	270	450	540	810
		1.50	2	0.014	0.120	0.120	420	700	840	1260
		2.00	2	0.019	0.160	0.160	570	950	1140	1710
		3.00	2	0.028	0.240	0.240	840	1400	1680	2520
		4.00	2	0.037	0.320	0.320	1110	1850	2220	3330