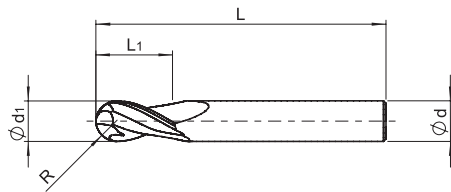
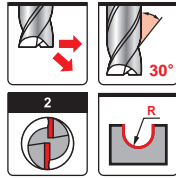


UMT 9612 Z=2
Ball nose end mills

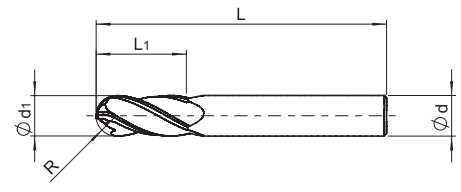
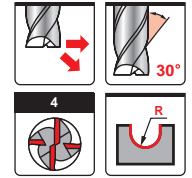


d ₁ (e8)	L ₁	d (h6)	L	R _(d₁/2)	Stock	ART No
3	7	3	38	1.5	●	9612030003800-1
4	8	4	50	2.0	●	9612040005000-1
5	10	5	50	2.5	●	9612050005000-1
6	10	6	57	3.0	●	9612060005700-1
8	16	8	63	4.0	●	9612080006300-1
10	19	10	72	5.0	●	9612100007200-1
12	22	12	83	6.0	●	9612120008300-1
14	22	14	83	7.0	●	9612140008300-1
16	26	16	92	8.0	●	9612160009200-1
20	32	20	104	10.0	●	9612200010400-1

● In stock

nano
TEC1

UMT 9614 Z=4
Ball nose end mills



d ₁ (e8)	L ₁	d (h6)	L	R _(d₁/2)	Stock	ART No
3	10	3	38	1.5	●	9614030003800-1
4	11	4	50	2.0	●	9614040005000-1
5	13	5	50	2.5	●	9614050005000-1
6	13	6	57	3.0	●	9614060005700-1
8	19	8	63	4.0	●	9614080006300-1
10	22	10	72	5.0	●	9614100007200-1
12	26	12	83	6.0	●	9614120008300-1
14	26	14	83	7.0	●	9614140008300-1
16	32	16	92	8.0	●	9614160009200-1
20	38	20	104	10.0	●	9614200010400-1

● In stock

nano
TEC1

Recommended cutting conditions for end mills 9612, 9614 - Shoulder milling

Work material			Cutting speed V _c (m/min)	d ₁ - diameter in mm				f _z - feed per tooth in mm	
	Ap	Ae		nanoTEC1	Ø3 - Ø4	Ø5 - Ø6	Ø6 - Ø8	Ø8 - Ø10	Ø10 - Ø14
P Carbon steel and Alloy steel < 25 HRC	<0.1d ₁	<0.2d ₁	80-90	0.005-0.01	0.01-0.02	0.015-0.03	0.03-0.04	0.04-0.07	0.04-0.07
Alloy steel and Tool steel 25-45 HRC	<0.1d ₁	<0.1d ₁	50-70	0.004-0.01	0.01-0.02	0.015-0.03	0.03-0.04	0.04-0.06	0.04-0.06
M Stainless steel	<0.1d ₁	<0.1d ₁	25-35	0.004-0.01	0.01-0.02	0.015-0.03	0.03-0.04	0.04-0.06	0.04-0.06
K Cast iron GG	<0.1d ₁	<0.2d ₁	80-90	0.005-0.01	0.01-0.02	0.015-0.03	0.03-0.04	0.04-0.07	0.04-0.07
Nodular cast iron GGG	<0.1d ₁	<0.2d ₁	70-80	0.004-0.01	0.01-0.02	0.015-0.03	0.03-0.04	0.04-0.06	0.04-0.06