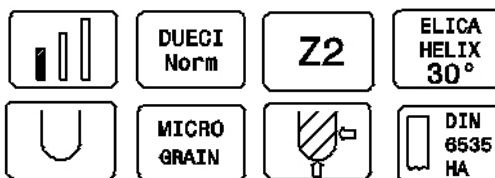
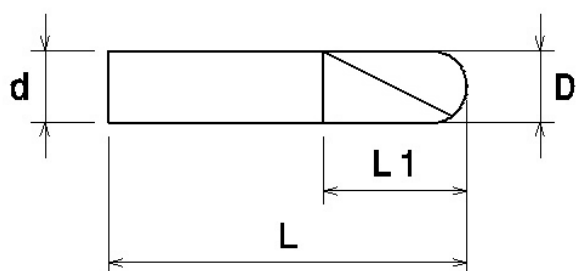


Frese Z2 raggiata denti elicoidali taglio al centro lavorazioni universali

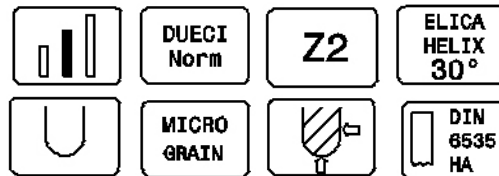
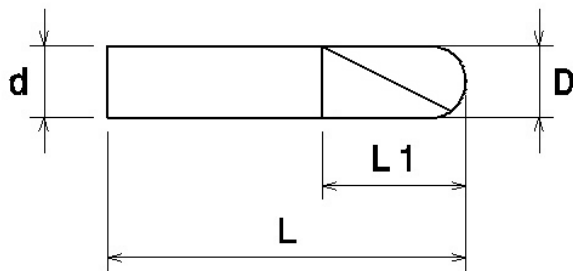
Universal ball nose end mills 2 flutes center cutting



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
1	3	40	1	2	113001	27,50	30,30	32,00
1,5	3	40	1,5	2	1130015	27,50	30,30	32,00
2	8	40	2	2	113002	11,70	14,60	15,30
2,5	8	40	2,5	2	1130025	12,00	15,40	16,20
3	10	40	3	2	113003	14,30	17,70	18,60
3,5	10	40	3,5	2	1130035	14,60	18,00	18,90
4	12	40	4	2	113004	14,90	18,30	19,20
4,5	12	50	4,5	2	1130045	16,30	20,90	22,00
5	14	50	5	2	113005	18,70	23,30	24,50
5,5	14	50	5,5	2	1130055	19,60	24,20	25,40
6	16	50	6	2	113006	20,30	24,90	26,20
6,5	16	50	6,5	2	1130065	22,00	27,50	28,90
7	16	60	7	2	113007	24,20	29,70	31,20
7,5	16	60	7,5	2	1130075	25,40	31,00	32,60
8	18	60	8	2	113008	27,70	33,30	35,00
8,5	18	60	8,5	2	1130085	30,90	37,60	39,50
9	20	60	9	2	113009	32,10	38,80	40,80
9,5	20	70	9,5	2	1130095	36,80	43,60	45,80
10	22	70	10	2	113010	38,50	45,20	47,50
10,5	22	70	10,5	2	1130105	42,60	49,40	51,90
11	22	70	11	2	113011	47,70	54,50	57,20
11,5	22	70	11,5	2	1130115	49,30	56,00	58,80
12	25	70	12	2	113012	49,90	56,60	59,40
13	25	75	13	2	113013	57,80	65,20	68,50
14	28	75	14	2	113014	64,90	72,30	76,00
15	28	75	15	2	113015	77,50	84,80	89,00
16	32	80	16	2	113016	85,20	94,20	98,90
17	32	80	17	2	113017	102,90	113,70	119,40
18	32	80	18	2	113018	112,70	123,50	129,70
19	38	104	19	2	113019	137,10	153,90	161,60
20	38	104	20	2	113020	149,80	166,60	175,00
22	38	104	22	2	113022	186,70	203,50	213,70
25	38	104	25	2	113025	236,60	260,10	273,10
30	38	104	30	2	113030	329,50	356,20	374,00

Frese Z2 raggiata denti elicoidali taglio al centro lavorazioni universali

Universal ball nose end mills 2 flutes center cutting



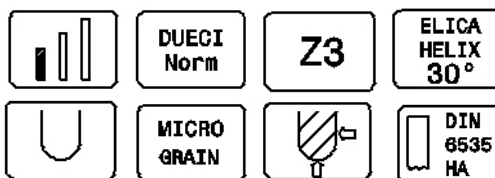
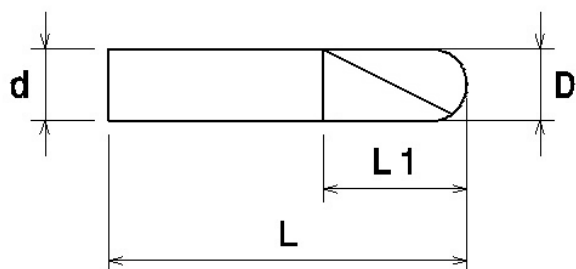
D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
2	20	50	2	2	113002L	15,00	17,90	18,80
3	20	55	3	2	113003L	16,10	19,50	20,50
4	20	60	4	2	113004L	20,30	23,70	24,90
5	20	60	5	2	113005L	21,70	26,30	27,60
6	24	65	6	2	113006L	26,20	30,80	32,30
7	30	75	7	2	113007L	32,50	38,00	39,90
8	32	80	8	2	113008L	36,60	43,60	45,80
9	32	80	9	2	113009L	42,80	51,10	53,70
10	32	80	10	2	113010L	46,40	54,70	57,40
11	50	100	11	2	113011L	63,90	72,30	75,90
12	50	100	12	2	113012L	72,80	81,20	85,30
13	50	100	13	2	113013L	81,10	90,10	94,60
14	55	100	14	2	113014L	89,20	98,20	103,10
15	60	120	15	2	113015L	110,20	122,00	128,10
16	60	120	16	2	113016L	123,80	135,60	142,40
17	60	120	17	2	113017L	138,30	151,90	159,50
18	60	120	18	2	113018L	151,10	164,60	172,80
19	60	130	19	2	113019L	175,90	192,70	202,30
20	60	130	20	2	113020L	198,30	215,10	225,90
22	75	150	22	2	113022L	310,00	335,20	352,00
25	75	150	25	2	113025L	384,90	427,70	449,10
30	75	150	30	2	113030L	496,90	551,40	579,00



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
6	40	80	6	2	113006EL	34,10	40,00	42,00
8	42	100	8	2	113008EL	43,50	50,50	53,00
10	45	100	10	2	113010EL	58,00	66,30	69,60
12	75	150	12	2	113012EL	97,70	110,60	116,10
14	75	150	14	2	113014EL	127,80	142,50	149,60
16	75	150	16	2	113016EL	159,70	174,30	183,00
18	75	150	18	2	113018EL	196,40	214,60	225,30
20	75	150	20	2	113020EL	242,70	267,90	281,30
22	80	200	22	2	113022EL	373,30	415,70	436,50
25	80	200	25	2	113025EL	463,10	515,30	541,10
30	80	200	30	2	113030EL	600,00	662,80	696,00

Frese Z3 raggiata denti elicoidali taglio al centro lavorazioni universali

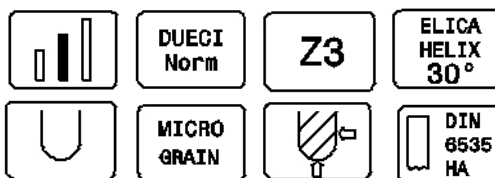
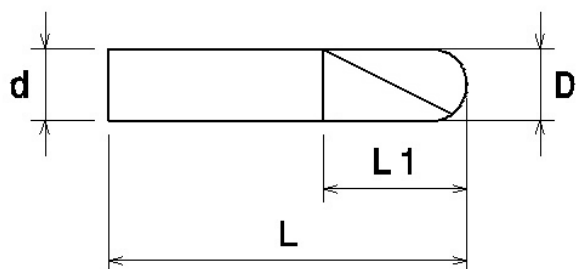
Universal ball nose end mills 3 flutes center cutting



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
2	8	40	2	3	133002	11,70	14,60	15,30
2,5	8	40	2,5	3	1330025	12,00	15,40	16,20
3	10	40	3	3	133003	14,30	17,70	18,60
3,5	10	40	3,5	3	1330035	14,60	18,00	18,90
4	12	40	4	3	133004	14,90	18,30	19,20
4,5	12	50	4,5	3	1330045	16,30	20,90	22,00
5	14	50	5	3	133005	18,70	23,30	24,50
5,5	14	50	5,5	3	1330055	19,60	24,20	25,40
6	16	50	6	3	133006	20,30	24,90	26,20
6,5	16	50	6,5	3	1330065	22,00	27,50	28,90
7	16	60	7	3	133007	24,20	29,70	31,20
7,5	16	60	7,5	3	1330075	25,40	31,00	32,60
8	18	60	8	3	133008	27,70	33,30	35,00
8,5	18	60	8,5	3	1330085	30,90	37,60	39,50
9	20	60	9	3	133009	32,10	38,80	40,80
9,5	20	70	9,5	3	1330095	36,80	43,60	45,80
10	22	70	10	3	133010	38,50	45,20	47,50
10,5	22	70	10,5	3	1330105	42,60	49,40	51,90
11	22	70	11	3	133011	47,70	54,50	57,20
11,5	22	70	11,5	3	1330115	49,30	56,00	58,80
12	25	70	12	3	133012	49,90	56,60	59,40
13	25	75	13	3	133013	57,80	65,20	68,50
14	28	75	14	3	133014	64,90	72,30	76,00
15	28	75	15	3	133015	77,50	84,80	89,00
16	32	80	16	3	133016	85,20	94,20	98,90
17	32	80	17	3	133017	102,90	113,70	119,40
18	32	80	18	3	133018	112,70	123,50	129,70
19	38	104	19	3	133019	137,10	153,90	161,60
20	38	104	20	3	133020	149,80	166,60	175,00
22	38	104	22	3	133022	186,70	203,50	213,70
25	38	104	25	3	133025	236,60	260,10	273,10
30	38	104	30	3	133030	329,50	356,20	374,00

Frese Z3 raggiata denti elicoidali taglio al centro lavorazioni universali

Universal ball nose end mills 3 flutes center cutting



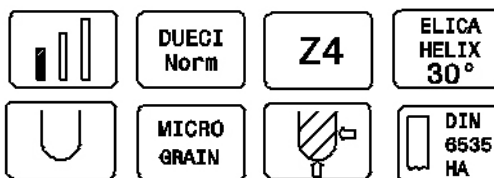
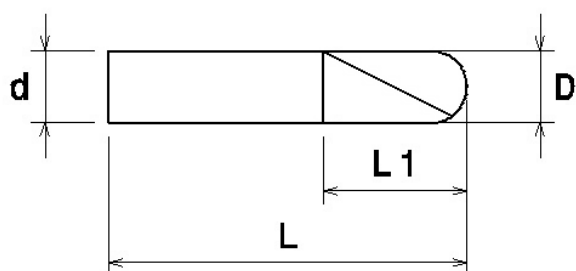
D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
2	20	50	2	3	133002L	15,00	17,90	18,80
3	20	55	3	3	133003L	16,10	19,50	20,50
4	20	60	4	3	133004L	20,30	23,70	24,90
5	20	60	5	3	133005L	21,70	26,30	27,60
6	24	65	6	3	133006L	26,20	30,80	32,30
7	30	75	7	3	133007L	32,50	38,00	39,90
8	32	80	8	3	133008L	36,60	43,60	45,80
9	32	80	9	3	133009L	42,80	51,10	53,70
10	32	80	10	3	133010L	46,40	54,70	57,40
11	50	100	11	3	133011L	63,90	72,30	75,90
12	50	100	12	3	133012L	72,80	81,20	85,30
13	50	100	13	3	133013L	81,10	90,10	94,60
14	55	100	14	3	133014L	89,20	98,20	103,10
15	60	120	15	3	133015L	110,20	122,00	128,10
16	60	120	16	3	133016L	123,80	135,60	142,40
17	60	120	17	3	133017L	138,30	151,90	159,50
18	60	120	18	3	133018L	151,10	164,60	172,80
19	60	130	19	3	133019L	175,90	192,70	202,30
20	60	130	20	3	133020L	198,30	215,10	225,90
22	75	150	22	3	133022L	310,00	335,20	352,00
25	75	150	25	3	133025L	384,90	427,70	449,10
30	75	150	30	3	133030L	496,90	551,40	579,00



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
6	40	80	6	3	133006EL	34,10	40,00	42,00
8	42	100	8	3	133008EL	43,50	50,50	53,00
10	45	100	10	3	133010EL	58,00	66,30	69,60
12	75	150	12	3	133012EL	97,70	110,60	116,10
14	75	150	14	3	133014EL	127,80	142,50	149,60
16	75	150	16	3	133016EL	159,70	174,30	183,00
18	75	150	18	3	133018EL	196,40	214,60	225,30
20	75	150	20	3	133020EL	242,70	267,90	281,30
22	80	200	22	3	133022EL	373,30	415,70	436,50
25	80	200	25	3	133025EL	463,10	515,30	541,10
30	80	200	30	3	133030EL	600,00	662,80	696,00

Frese Z4 raggiata denti elicoidali taglio al centro lavorazioni universali

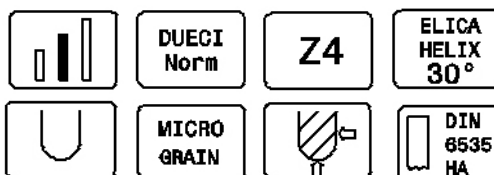
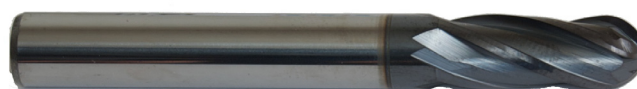
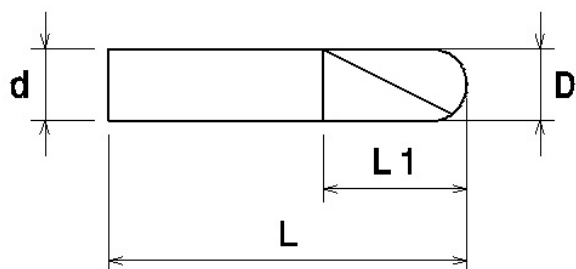
Universal ball nose end mills 4 flutes center cutting



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
2	8	40	2	4	153002	11,70	14,60	15,30
2,5	8	40	2,5	4	1530025	12,00	15,40	16,20
3	10	40	3	4	153003	14,30	17,70	18,60
3,5	10	40	3,5	4	1530035	14,60	18,00	18,90
4	12	40	4	4	153004	14,90	18,30	19,20
4,5	12	50	4,5	4	1530045	16,30	20,90	22,00
5	14	50	5	4	153005	18,70	23,30	24,50
5,5	14	50	5,5	4	1530055	19,60	24,20	25,40
6	16	50	6	4	153006	20,30	24,90	26,20
6,5	16	50	6,5	4	1530065	22,00	27,50	28,90
7	16	60	7	4	153007	24,20	29,70	31,20
7,5	16	60	7,5	4	1530075	25,40	31,00	32,60
8	18	60	8	4	153008	27,70	33,30	35,00
8,5	18	60	8,5	4	1530085	30,90	37,60	39,50
9	20	60	9	4	153009	32,10	38,80	40,80
9,5	20	70	9,5	4	1530095	36,80	43,60	45,80
10	22	70	10	4	153010	38,50	45,20	47,50
10,5	22	70	10,5	4	1530105	42,60	49,40	51,90
11	22	70	11	4	153011	47,70	54,50	57,20
11,5	22	70	11,5	4	1530115	49,30	56,00	58,80
12	25	70	12	4	153012	49,90	56,60	59,40
13	25	75	13	4	153013	57,80	65,20	68,50
14	28	75	14	4	153014	64,90	72,30	76,00
15	28	75	15	4	153015	77,50	84,80	89,00
16	32	80	16	4	153016	85,20	94,20	98,90
17	32	80	17	4	153017	102,90	113,70	119,40
18	32	80	18	4	153018	112,70	123,50	129,70
19	38	104	19	4	153019	137,10	153,90	161,60
20	38	104	20	4	153020	149,80	166,60	175,00
22	38	104	22	4	153022	186,70	203,50	213,70
25	38	104	25	4	153025	236,60	260,10	273,10
30	38	104	30	4	153030	329,50	356,20	374,00

Frese Z4 raggiata denti elicoidali taglio al centro lavorazioni universali

Universal ball nose end mills 4 flutes center cutting



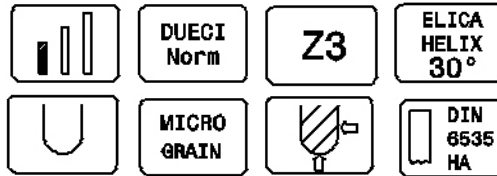
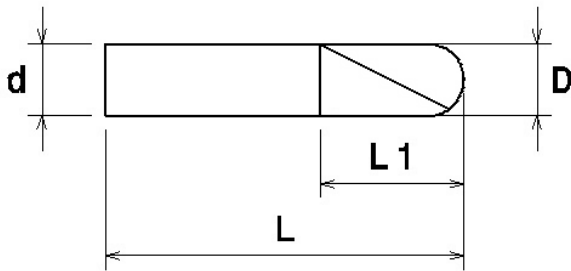
D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
2	20	50	2	4	153002L	15,00	17,90	18,80
3	20	55	3	4	153003L	16,10	19,50	20,50
4	20	60	4	4	153004L	20,30	23,70	24,90
5	20	60	5	4	153005L	21,70	26,30	27,60
6	24	65	6	4	153006L	26,20	30,80	32,30
7	30	75	7	4	153007L	32,50	38,00	39,90
8	32	80	8	4	153008L	36,60	43,60	45,80
9	32	80	9	4	153009L	42,80	51,10	53,70
10	32	80	10	4	153010L	46,40	54,70	57,40
11	50	100	11	4	153011L	63,90	72,30	75,90
12	50	100	12	4	153012L	72,80	81,20	85,30
13	50	100	13	4	153013L	81,10	90,10	94,60
14	55	100	14	4	153014L	89,20	98,20	103,10
15	60	120	15	4	153015L	110,20	122,00	128,10
16	60	120	16	4	153016L	123,80	135,60	142,40
17	60	120	17	4	153017L	138,30	151,90	159,50
18	60	120	18	4	153018L	151,10	164,60	172,80
19	60	130	19	4	153019L	175,90	192,70	202,30
20	60	130	20	4	153020L	198,30	215,10	225,90
22	75	150	22	4	153022L	310,00	335,20	352,00
25	75	150	25	4	153025L	384,90	427,70	449,10
30	75	150	30	4	153030L	496,90	551,40	579,00



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
6	40	80	6	4	153006EL	34,10	40,00	42,00
8	42	100	8	4	153008EL	43,50	50,50	53,00
10	45	100	10	4	153010EL	58,00	66,30	69,60
12	75	150	12	4	153012EL	97,70	110,60	116,10
14	75	150	14	4	153014EL	127,80	142,50	149,60
16	75	150	16	4	153016EL	159,70	174,30	183,00
18	75	150	18	4	153018EL	196,40	214,60	225,30
20	75	150	20	4	153020EL	242,70	267,90	281,30
22	80	200	22	4	153022EL	373,30	415,70	436,50
25	80	200	25	4	153025EL	463,10	515,30	541,10
30	80	200	30	4	153030EL	600,00	662,80	696,00

Frese Z3/Z4 raggiate taglio al centro lavorazione sgrossatura

Roughing ball nose end mills 3/4 flutes center cutting



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
6	16	60	6	3	R283006	27,60	32,20	33,90
8	19	70	8	3	R283008	37,70	43,20	45,40
10	22	70	10	3	R283010	55,60	62,30	65,50
12	26	80	12	3	R283012	69,90	78,20	82,20
14	26	80	14	3	R283014	82,60	91,60	96,20
16	32	100	16	3	R283016	114,50	123,50	129,70
18	32	100	18	3	R283018	150,90	161,70	170,00
20	38	104	20	3	R283020	179,80	196,60	206,50



D _{h10}	L1	L	d _{h6}	Z	Cod.	€ uncoated	€ Tialn	€ TopTialn
6	16	60	6	4	R293006	27,60	32,20	33,90
8	19	70	8	4	R293008	37,70	43,20	45,40
10	22	70	10	4	R293010	55,60	62,30	65,50
12	26	80	12	4	R293012	69,90	78,20	82,20
14	26	80	14	4	R293014	82,60	91,60	96,20
16	32	100	16	4	R293016	114,50	123,50	129,70
18	32	100	18	4	R293018	150,90	161,70	170,00
20	38	104	20	4	R293020	179,80	196,60	206,50