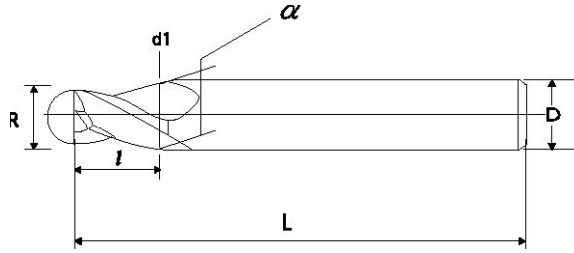


Cutting Tools

TAPERED BALLNOSE TYPE - 2 flutes

WC=90 Co=10 HV30 = 1571 Rupture=3750N/mm² Grain Size=0.6μm



TBTA - Altin

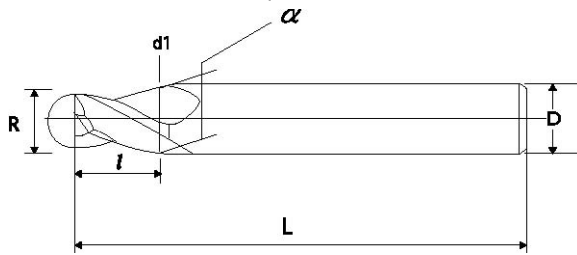
MODE	radius of Ball Nose L	Flute Length l	Full Length L	Shank Diameter D	Dia. At Large End d1	Taper α	Flute No. Z
TBTA 050005	0.5	10	50	4	1.17	30°	2
TBTA 050010	0.5	10	50	4	1.35	1°	2
TBTA 050015	0.5	10	50	4	1.52	1°30'	2
TBTA 050020	0.5	10	50	4	1.70	2°	2
TBTA 050030	0.5	10	50	4	1.87	3°	2
TBTA 050040	0.5	10	50	4	2.05	4°	2
TBTA 050050	0.5	10	50	4	2.74	5°	2
TBTA 050070	0.5	10	50	4	3.44	7°	2
TBTA 050100	0.5	10	50	4	4.51	10°	2
TBTA 075005	0.75	10	50	4	1.67	30°	2
TBTA 075010	0.75	10	50	4	1.85	1°	2
TBTA 075015	0.75	10	50	4	2.02	1°30'	2
TBTA 075020	0.75	10	50	4	2.20	2°	2
TBTA 075030	0.75	10	50	4	2.37	3°	2
TBTA 075040	0.75	10	50	4	2.55	4°	2
TBTA 075050	0.75	10	50	4	3.24	5°	2
TBTA 075070	0.75	10	50	4	3.94	7°	2
TBTA 075100	0.75	10	50	6	5.02	10°	2
TBTA 100005	1	13	50	4	2.22	30°	2
TBTA 100010	1	13	50	4	2.45	1°	2
TBTA 100015	1	13	50	4	2.68	1°30'	2
TBTA 100020	1	13	50	4	3.90	2°	2
TBTA 100030	1	13	50	4	3.13	3°	2
TBTA 100040	1	13	50	4	3.36	4°	2
TBTA 100050	1	13	50	6	4.27	5°	2
TBTA 100070	1	13	50	6	5.17	7°	2
TBTA 100100	1	13	60	8	6.56	10°	2
TBTA 125005	1.25	15	50	4	2.76	30°	2



Cutting Tools

TAPERED BALLNOSE TYPE - 2 flutes

WC=90 Co=10 HV30 = 1571 Rupture=3750N/mm² Grain Size=0.6μm



TBTA - Altin

MODE	radius of Ball Nose L	Flute Length l	Full Length L	Shank Diameter D	Dia. At Large End d1	Taper α	Flute No. Z
TBTA 150005	1.5	20	50	4	3.34	30°	2
TBTA 150010	1.5	20	50	4	3.60	1°	2
TBTA 150015	1.5	20	60	6	4.04	1°30'	2
TBTA 150020	1.5	20	60	6	4.39	2°	2
TBTA 150030	1.5	20	60	6	5.08	3°	2
TBTA 150040	1.5	20	60	6	5.78	4°	2
TBTA 150050	1.5	20	60	8	6.48	5°	2
TBTA 150070	1.5	20	60	8	7.90	7°	2
TBTA 150100	1.5	20	75	10	10.04	10°	2

MG

HRC
55

35°

3

ALTiN

