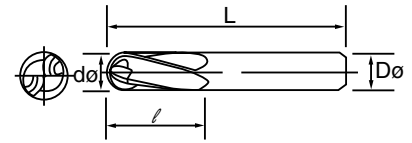


# MZBI Series Solid Carbide End Mills

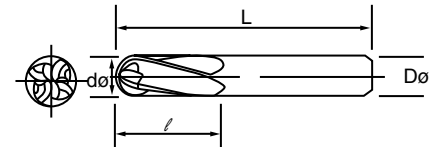


### Tolerances

Size (Inch)	D	d
.125~.375	+0 -0.0003"	+0 -0.0012"
~.500	+0 -0.0004"	+0 -0.0016"

## Two Flute Ball Nose Center Cutting

Uncoated	Coated	Cutter Dia. d ø	Shank Dia. Dø	Cutter Radius	Flute Length ℓ	Overall Length L
MZBI204	MZBI204C	.0625	.1250	.0312	.250	1.500
MZBI208	MZBI208C	.1250	.1250	.0625	.500	1.500
MZBI212	MZBI212C	.1875	.1875	.0937	.500	2.000
MZBI216	MZBI216C	.2500	.2500	.125	.625	2.375
MZBI220	MZBI220C	.3125	.3125	.156	.6875	2.375
MZBI224	MZBI224C	.3750	.3750	.1875	.750	2.375
MZBI228	MZBI228C	.4375	.4375	.218	.750	2.375
MZBI232	MZBI232C	.5000	.5000	.250	.875	2.875
MZBI236	MZBI236C	.5625	.5625	.281	1.250	3.500
MZBI240	MZBI240C	.6250	.6250	.3125	1.250	3.500
MZBI244	MZBI244C	.6875	.6875	.343	1.500	4.000
MZBI248	MZBI248C	.7500	.7500	.375	1.500	4.000
MZBI256	MZBI256C	.8750	.8750	.4375	1.500	4.000
MZBI264	MZBI264C	1.0000	1.0000	.500	1.500	4.000



### Tolerances

Size (Inch)	D	d
.125~.375	+0 -0.0003"	+0 -0.0012"
~.500	+0 -0.0004"	+0 -0.0016"

## Four Flute Ball Nose Center Cutting

Uncoated	Coated	Cutter Dia. d ø	Shank Dia. Dø	Cutter Radius	Flute Length ℓ	Overall Length L
MZBI404	MZBI404C	.0625	.1250	.0312	.250	1.500
MZBI408	MZBI408C	.1250	.1250	.0625	.500	1.500
MZBI412	MZBI412C	.1875	.1875	.0937	.500	2.000
MZBI416	MZBI416C	.2500	.2500	.125	.625	2.375
MZBI420	MZBI420C	.3125	.3125	.156	.6875	2.375
MZBI424	MZBI424C	.3750	.3750	.1875	.750	2.375
MZBI428	MZBI428C	.4375	.4375	.218	.750	2.375
MZBI432	MZBI432C	.5000	.5000	.250	.875	2.375
MZBI436	MZBI436C	.5625	.5625	.281	1.250	3.375
MZBI440	MZBI440C	.6250	.6250	.3125	1.250	3.500
MZBI444	MZBI444C	.6875	.6875	.343	1.500	4.000
MZBI448	MZBI448C	.7500	.7500	.375	1.500	4.000
MZBI456	MZBI456C	.8750	.8750	.4375	1.500	4.000
MZBI464	MZBI464C	1.0000	1.0000	.500	1.500	4.000