

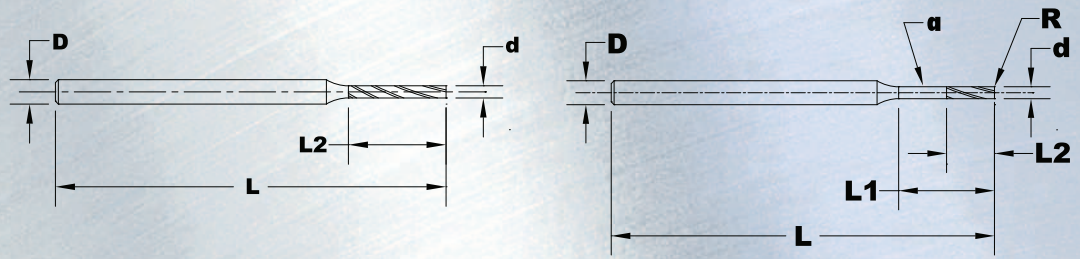


DIAMOND SERIES

AD-99 FLAT & RADIUS MINI MILLS

FOR MACHINING GRAPHITE AND CARBON COMPOSITES

D - h6
d - 0/-0.0005
R - +0.0005/-0.0005
Helix Angle 30°



CATALOG NUMBER	d	D	a	Z	L2	L1	L	T	R	PRICE
14703199	1/32	1/8	--	4	0.15	--	3"	15°	--	\$28.50
14903199	1/32	1/8	--	4	0.15	--	2"	15°	--	\$28.50
14703299	1/32	1/8	--	4	1/4	--	3"	15°	--	\$30.50
14903299	1/32	1/8	--	4	1/4	--	2"	15°	--	\$30.50
14704799	3/64	1/8	--	4	1/4	--	3"	15°	--	\$26.50
14904799	3/64	1/8	--	4	1/4	--	2"	15°	--	\$26.50
14706299	1/16	1/8	--	4	1/2	--	3"	15°	--	\$27.50
14906299	1/16	1/8	--	4	1/2	--	2"	15°	--	\$27.50
14708099	5/64	1/8	--	4	1/2	--	3"	15°	--	\$28.50
14908099	5/64	1/8	--	4	1/2	--	2"	15°	--	\$28.50
14709499	3/32	1/8	--	4	3/4	--	3"	15°	--	\$29.50
14909499	3/32	1/8	--	4	3/4	--	2"	15°	--	\$29.50

CATALOG NUMBER	d	D	a	Z	L2	L1	L	T	R	PRICE
34803099	1/32	1/8	-0.0015	4	0.150	0.400	3"	15°	0.005	\$39.50
34803199	1/32	1/8	-0.0015	4	0.150	0.625	3"	15°	0.005	\$39.50
34803299	1/32	1/8	-0.0015	4	0.150	0.906	3"	15°	0.005	\$39.50
34704799	3/64	1/8	--	4	1/2	--	3"	15°	0.015	\$28.50
34706299	1/16	1/8	--	4	1/2	--	3"	15°	0.015	\$29.50
34806299	1/16	1/8	-0.002	4	0.250	0.750	3"	15°	0.010	\$39.50
34806399	1/16	1/8	-0.002	4	0.250	1.000	3"	15°	0.010	\$39.50
34708099	5/64	1/8	--	4	1/2	--	3"	15°	0.015	\$30.50
34809299	3/32	1/8	-0.002	4	0.250	1.000	3"	15°	0.010	\$39.50
34709499	3/32	1/8	--	4	3/4	--	3"	15°	0.015	\$31.50

AD-99 Amorphous diamond coated end mills have shown tool life increases of 5-10 times over uncoated or PVD metallic coated end mills. It has a proprietary multi-layered gradient coating that begins with a layer of nanocrystalline AlTiN for enhanced adhesion & heat resistance and ends with a layer of Amorphous Diamond, giving AD-99 end mills superior wear characteristics over mono-layer Amorphous diamond coatings.

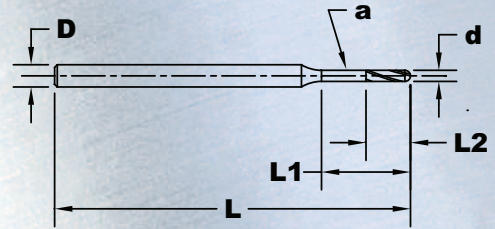
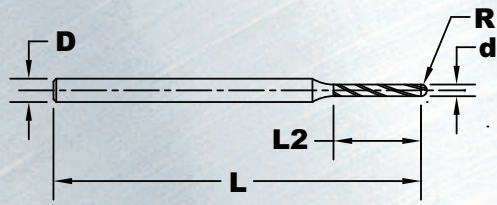


DIAMOND SERIES

AD-99 BALL MINI MILLS

FOR MACHINING GRAPHITE AND CARBON COMPOSITES

D - h6
d - 0/-0.0005
R +0.0005/-0.0005
Helix Angle 30°



CATALOG NUMBER	d	D	a	Z	L2	L1	L	T	R	PRICE
22801099	0.010	1/8	-0.0008	2	0.020	0.050	3"	15°	BALL	\$41.00
22802099	0.020	1/8	-0.0008	2	0.040	0.187	3"	15°	BALL	\$41.00
24903199	1/32	1/8	--	4	0.15	--	2"	15°	BALL	\$30.50
24703199	1/32	1/8	--	4	0.15	--	3"	15°	BALL	\$30.50
24903299	1/32	1/8	--	4	1/4	--	2"	15°	BALL	\$32.50
24703299	1/32	1/8	--	4	1/4	--	3"	15°	BALL	\$32.50
24803099	1/32	1/8	-0.0015	4	0.150	0.400	3"	15°	BALL	\$39.50
24803199	1/32	1/8	-0.0015	4	0.150	0.625	3"	15°	BALL	\$39.50
24803399	1/32	1/8	-0.0015	4	0.150	0.900	3"	15°	BALL	\$39.50
24904799	3/64	1/8	--	4	1/4	--	2"	15°	BALL	\$28.50
24704799	3/64	1/8	--	4	1/4	--	3"	15°	BALL	\$28.50
24804799	3/64	1/8	-0.002	4	0.250	0.750	3"	15°	BALL	\$39.50
24906299	1/16	1/8	--	4	1/2	--	2"	15°	BALL	\$29.50
24706299	1/16	1/8	--	4	1/2	--	3"	15°	BALL	\$29.50
24806199	1/16	1/8	-0.002	4	0.250	0.750	3"	15°	BALL	\$39.50
24806399	1/16	1/8	-0.002	4	0.250	1.000	3"	15°	BALL	\$39.50
24908099	5/64	1/8	--	4	1/2	--	2"	15°	BALL	\$30.50
24708099	5/64	1/8	--	4	1/2	--	3"	15°	BALL	\$30.50
24909499	3/32	1/8	--	4	3/4	--	2"	15°	BALL	\$31.50
24709499	3/32	1/8	--	4	3/4	--	3"	15°	BALL	\$31.50
24809399	3/32	1/8	-0.002	4	0.250	1.000	3"	15°	BALL	\$39.50

AD-99 Amorphous diamond coated end mills have shown tool life increases of 5-10 times over uncoated or PVD metallic coated end mills. It has a proprietary multi-layered gradient coating that begins with a layer of nanocrystalline AlTiN for enhanced adhesion & heat resistance and ends with a layer of Amorphous Diamond, giving AD-99 end mills superior wear characteristics over mono-layer Amorphous diamond coatings.