

The logo for 'ata' in a bold, blue, lowercase sans-serif font. A solid blue horizontal bar is positioned above the letters 'a' and 't'.

ata garryson

NG6

NEXT GENERATION 6
Carbide Bur



Future Focus
Precision Engineering

atagroup.com

Next Generation 6 Carbide Bur

Exclusive to ATA, the *NG6* bur features an innovative, patented geometry combined with our **ACCELERATOR coating.**

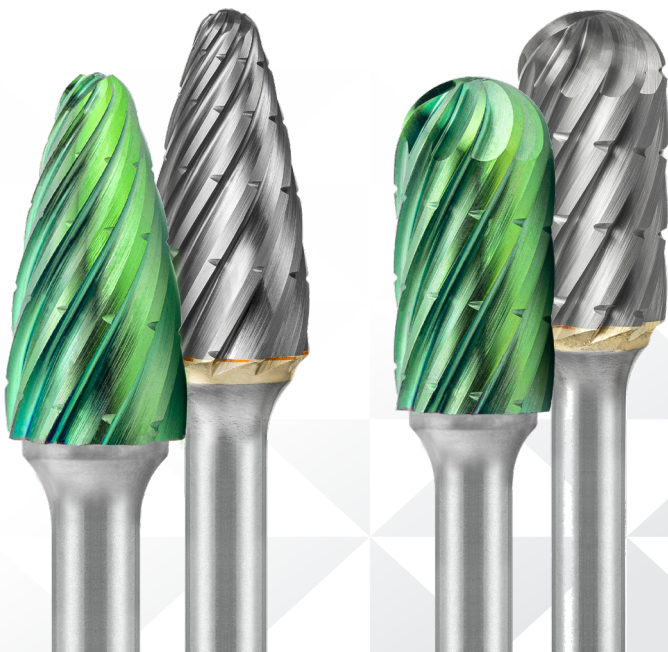
The distinctive geometry is a unique combination of profiled fluting with low cross-cut and a primary relief. With the addition of the latest in coating technology it delivers outstanding tool life and unequalled productivity.

Features & Benefits

- More than twice the material removal rate of other market-leading double cut burs.
- Delivers longer tool life and reduced operator grinding time.
- Reduced vibration, even under the toughest grinding conditions.
- Available with the latest ACCELERATOR coating technology for extended tool life.
- Suitable for all types of steel up to 60 HRC including mild steel and stainless (INOX).

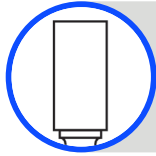
NG6 delivers:

- Significantly increased metal removal rates
- Reduced operator grinding time
- Aggressive geometry greatly improves cutting performance
- Reduced component machine time

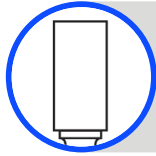


**High stock removal
with a superior finish
makes the NG6 the first
choice for heavy stock
removal applications.**

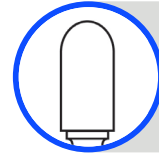
Shapes Available



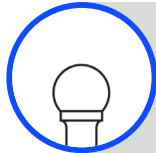
A Shape



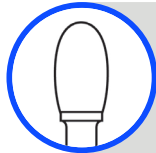
B Shape



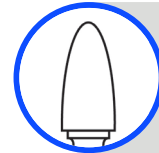
C Shape



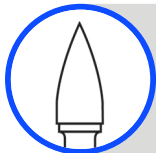
D Shape



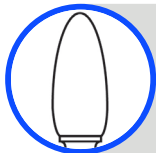
E Shape



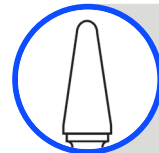
F Shape



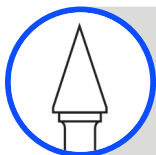
G Shape



H Shape

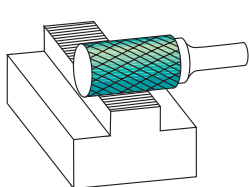


L Shape

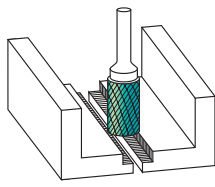


M Shape

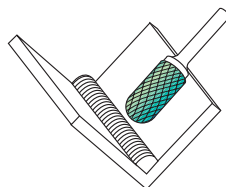
Application Guide



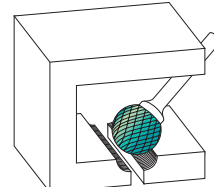
A Shape
Cylinder w/o End Cut



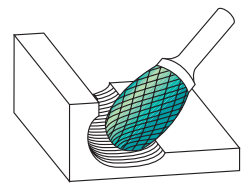
B Shape
Cylinder with End Cut



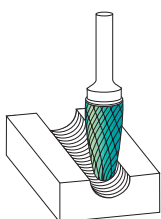
C Shape
Ball Nosed Cylinder



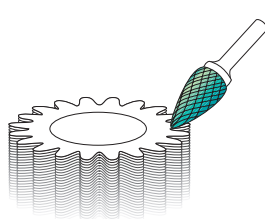
D Shape
Ball



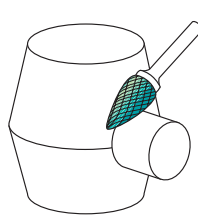
E Shape
Oval



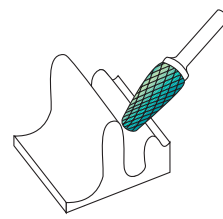
F Shape
Ball Nosed Tree



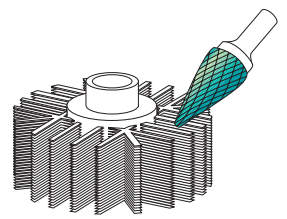
G Shape
Pointed Tree



H Shape
Flame



L Shape
Ball Nosed Cone



M Shape
Cone

NG6 ACCELERATOR Range

Art. No.	Tool No.	Shape	Shape Description	Cutting Diameter (mm)	Length of Cut (mm)	Shank Diameter (mm)	Overall Length (mm)	Inclusive Angle	Construction
GCZ1400-NG6 ACC	SA-1M NG6 ACC	A, ZYA, SA	Cylinder	6.0	18.0	6.0	50.0	-	Solid
GCZ1500-NG6 ACC	SA-2M NG6 ACC	A, ZYA, SA	Cylinder	8.0	19.0	6.0	64.0	-	Brazed
GCZ1600-NG6 ACC	SA-3M NG6 ACC	A, ZYA, SA	Cylinder	9.6	19.0	6.0	64.0	-	Brazed
GCZ1700-NG6-1 ACC	SA-5MZ NG6 ACC	A, ZYA, SA	Cylinder	12.0	25.0	6.0	70.0	-	Brazed
GCZ1800-NG6-6 ACC	SA-6M NG6 ACC	A, ZYA, SA	Cylinder	16.0	25.0	6.0	70.0	-	Brazed
GCZ1402-NG6 ACC	SB-1M NG6 ACC	B, ZYAS, SB	Cylinder with End Cut	6.0	18.0	6.0	50.0	-	Solid
GCZ1502-NG6 ACC	SB-2M NG6 ACC	B, ZYAS, SB	Cylinder with End Cut	8.0	19.0	6.0	64.0	-	Brazed
GCZ1602-NG6 ACC	SB-3M NG6 ACC	B, ZYAS, SB	Cylinder with End Cut	9.6	19.0	6.0	64.0	-	Brazed
GCZ1702-NG6-1 ACC	SB-5MZ NG6 ACC	B, ZYAS, SB	Cylinder with End Cut	12.0	25.0	6.0	70.0	-	Brazed
GCZ1802-NG6-6 ACC	SB-6M NG6 ACC	B, ZYAS, SB	Cylinder with End Cut	16.0	25.0	6.0	70.0	-	Brazed
GCZ3400-NG6 ACC	SC-1M NG6 ACC	C, WRC, SC	Ball Nosed Cylinder	6.0	18.0	6.0	50.0	-	Solid
GCZ3500-NG6 ACC	SC-2M NG6 ACC	C, WRC, SC	Ball Nosed Cylinder	8.0	19.0	6.0	64.0	-	Brazed
GCZ3600-NG6 ACC	SC-3M NG6 ACC	C, WRC, SC	Ball Nosed Cylinder	9.6	19.0	6.0	64.0	-	Brazed
GCZ3700-NG6-1 ACC	SC-5MZ NG6 ACC	C, WRC, SC	Ball Nosed Cylinder	12.0	25.0	6.0	70.0	-	Brazed
GCZ3800-NG6-6 ACC	SC-6M NG6 ACC	C, WRC, SC	Ball Nosed Cylinder	16.0	25.0	6.0	70.0	-	Brazed
GCZ7400-NG6 ACC	SD-1M NG6 ACC	D, KUD, SD	Ball	6.0	4.7	6.0	50.0	-	Solid
GCZ7500-NG6 ACC	SD-2M NG6 ACC	D, KUD, SD	Ball	8.0	7.0	6.0	52.0	-	Brazed
GCZ7600-NG6 ACC	SD-3M NG6 ACC	D, KUD, SD	Ball	9.6	8.0	6.0	53.0	-	Brazed
GCZ7700-NG6 ACC	SD-5MZ NG6 ACC	D, KUD, SD	Ball	12.0	11.0	6.0	56.0	-	Brazed
GCZ7800-NG6 ACC	SD-6M NG6 ACC	D, KUD, SD	Ball	16.0	14.0	6.0	59.0	-	Brazed
GCZ5260-NG6 ACC	SE-1M NG6 ACC	E, TRE, SE	Oval	6.0	10.0	6.0	50.0	-	Solid
GCZ5300-NG6 ACC	SE-2M NG6 ACC	E, TRE, SE	Oval	8.0	15.0	6.0	60.0	-	Brazed
GCZ5500-NG6 ACC	SE-3M NG6 ACC	E, TRE, SE	Oval	9.6	16.0	6.0	61.0	-	Brazed
GCZ5700-NG6 ACC	SE-5MZ NG6 ACC	E, TRE, SE	Oval	12.0	21.0	6.0	66.0	-	Brazed
GCZ5800-NG6 ACC	SE-6M NG6 ACC	E, TRE, SE	Oval	16.0	25.0	6.0	70.0	-	Brazed
GCZ9400-NG6 ACC	SF-1M NG6 ACC	F, RBF, SF	Ball Nosed Tree	6.0	18.0	6.0	50.0	-	Solid
GCZ9500-NG6 ACC	SF-2M NG6 ACC	F, RBF, SF	Ball Nosed Tree	8.0	20.0	6.0	65.0	-	Brazed
GCZ9600-NG6 ACC	SF-3M NG6 ACC	F, RBF, SF	Ball Nosed Tree	9.6	19.0	6.0	64.0	-	Brazed
GCZ9700-NG6 ACC	SF-5MZ NG6 ACC	F, RBF, SF	Ball Nosed Tree	12.0	25.0	6.0	70.0	-	Brazed
GCZ9800-NG6-6 ACC	SF-6M NG6 ACC	F, RBF, SF	Ball Nosed Tree	16.0	25.0	6.0	70.0	-	Brazed
GCZ6400-NG6 ACC	SG-1M NG6 ACC	G, SPG, SG	Pointed Tree	6.0	18.0	6.0	50.0	-	Solid
GCZ6450-NG6 ACC	SG-2M NG6 ACC	G, SPG, SG	Pointed Tree	8.0	19.0	6.0	64.0	-	Brazed
GCZ6500-NG6 ACC	SG-3M NG6 ACC	G, SPG, SG	Pointed Tree	9.6	19.0	6.0	64.0	-	Brazed
GCZ6800-NG6 ACC	SG-5MZ NG6 ACC	G, SPG, SG	Pointed Tree	12.0	25.0	6.0	70.0	-	Brazed
GCZ6900-NG6-6 ACC	SG-6M NG6 ACC	G, SPG, SG	Pointed Tree	16.0	25.0	6.0	70.0	-	Brazed
GCZ5400-NG6 ACC	SH-1M NG6 ACC	H, SH	Flame	6.0	14.0	6.0	50.0	-	Solid
GCZ5550-NG6 ACC	SH-2M NG6 ACC	H, SH	Flame	8.0	19.0	6.0	64.0	-	Brazed
GCZ5555-NG6 ACC	SH-3M NG6 ACC	H, SH	Flame	10.0	20.0	6.0	65.0	-	Brazed
GCZ5600-NG6 ACC	SH-5MZ NG6 ACC	H, SH	Flame	12.0	30.0	6.0	75.0	-	Brazed
GCZ5850-NG6-6 ACC	SH-6M NG6 ACC	H, SH	Flame	16.0	36.0	6.0	81.0	-	Brazed
GCZ4400-NG6 ACC	SL-1M NG6 ACC	L, KEL, SL	Ball Nosed Cone	6.0	18.0	6.0	50.0	14°	Solid
GCZ4500-NG6 ACC	SL-2M NG6 ACC	L, KEL, SL	Ball Nosed Cone	8.0	25.0	6.0	70.0	14°	Brazed
GCZ4600-NG6 ACC	SL-3M NG6 ACC	L, KEL, SL	Ball Nosed Cone	10.0	20.0	6.0	65.0	14°	Brazed
GCZ4700-NG6 ACC	SL-4M NG6 ACC	L, KEL, SL	Ball Nosed Cone	12.0	30.0	6.0	75.0	14°	Brazed
GCZ4800-NG6-6 ACC	SL-6M NG6 ACC	L, KEL, SL	Ball Nosed Cone	16.0	33.0	6.0	78.0	14°	Brazed
GCZ2400-NG6 ACC	SM-1M NG6 ACC	M, SKM, SM	Cone	6.0	18.0	6.0	50.0	22°	Solid
GCZ2500-NG6 ACC	SM-2M NG6 ACC	M, SKM, SM	Cone	8.0	18.5	6.0	64.0	22°	Brazed
GCZ2600-NG6 ACC	SM-3M NG6 ACC	M, SKM, SM	Cone	10.0	19.0	6.0	64.0	28°	Brazed
GCZ2700-NG6-1 ACC	SM-5MZ NG6 ACC	M, SKM, SM	Cone	12.0	25.0	6.0	70.0	28°	Brazed
GCZ2750-NG6-1-6 ACC	SM-6M NG6 ACC	M, SKM, SM	Cone	16.0	29.0	6.0	74.0	31°	Brazed

Art. No.	Tool No.	Shape	Shape Description	Cutting Diameter (mm)	Length of Cut (mm)	Shank Diameter (mm)	Overall Length (mm)	Inclusive Angle	Construction
GT1400-NG6	SA-1M NG6	A, ZYA, SA	Cylinder	6.0	18.0	6.0	50.0	-	Solid
GT1500-NG6	SA-2M NG6	A, ZYA, SA	Cylinder	8.0	19.0	6.0	64.0	-	Brazed
GT1600-NG6	SA-3M NG6	A, ZYA, SA	Cylinder	9.6	19.0	6.0	64.0	-	Brazed
GT1700-1-NG6	SA-5MZ NG6	A, ZYA, SA	Cylinder	12.0	25.0	6.0	70.0	-	Brazed
GT1800-6-NG6	SA-6M NG6	A, ZYA, SA	Cylinder	16.0	25.0	6.0	70.0	-	Brazed
GT1402-NG6	SB-1M NG6	B, ZYAS, SB	Cylinder with End Cut	6.0	18.0	6.0	50.0	-	Solid
GT1502-NG6	SB-2M NG6	B, ZYAS, SB	Cylinder with End Cut	8.0	19.0	6.0	64.0	-	Brazed
GT1602-NG6	SB-3M NG6	B, ZYAS, SB	Cylinder with End Cut	9.6	19.0	6.0	64.0	-	Brazed
GT1702-1 NG6	SB-5MZ NG6	B, ZYAS, SB	Cylinder with End Cut	12.0	25.0	6.0	70.0	-	Brazed
GT1802-6-NG6	SB-6M NG6	B, ZYAS, SB	Cylinder with End Cut	16.0	25.0	6.0	70.0	-	Brazed
GT3400-NG6	SC-1M NG6	C, WRC, SC	Ball Nosed Cylinder	6.0	18.0	6.0	50.0	-	Solid
GT3500-NG6	SC-2M NG6	C, WRC, SC	Ball Nosed Cylinder	8.0	19.0	6.0	64.0	-	Brazed
GT3600-NG6	SC-3M NG6	C, WRC, SC	Ball Nosed Cylinder	9.6	19.0	6.0	64.0	-	Brazed
GT3700-1 NG6	SC-5MZ NG6	C, WRC, SC	Ball Nosed Cylinder	12.0	25.0	6.0	70.0	-	Brazed
GT3800-6-NG6	SC-6M NG6	C, WRC, SC	Ball Nosed Cylinder	16.0	25.0	6.0	70.0	-	Brazed
GT7400-NG6	SD-1M NG6	D, KUD, SD	Ball	6.0	4.7	6.0	50.0	-	Solid
GT7500-NG6	SD-2M NG6	D, KUD, SD	Ball	8.0	7.0	6.0	52.0	-	Brazed
GT7600-NG6	SD-3M NG6	D, KUD, SD	Ball	9.6	8.0	6.0	53.0	-	Brazed
GT7700-NG6	SD-5MZ NG6	D, KUD, SD	Ball	12.0	11.0	6.0	56.0	-	Brazed
GT7800-NG6	SD-6M NG6	D, KUD, SD	Ball	16.0	14.0	6.0	59.0	-	Brazed
GT5260-NG6	SE-1M NG6	E, TRE, SE	Oval	6.0	10.0	6.0	50.0	-	Solid
GT5300-NG6	SE-2M NG6	E, TRE, SE	Oval	8.0	15.0	6.0	60.0	-	Brazed
GT5500-NG6	SE-3M NG6	E, TRE, SE	Oval	9.6	16.0	6.0	61.0	-	Brazed
GT5700-NG6	SE-5MZ NG6	E, TRE, SE	Oval	12.0	21.0	6.0	66.0	-	Brazed
GT5800-NG6	SE-6M NG6	E, TRE, SE	Oval	16.0	25.0	6.0	70.0	-	Brazed
GT9400-NG6	SF-1M NG6	F, RBF, SF	Ball Nosed Tree	6.0	18.0	6.0	50.0	-	Solid
GT9500-NG6	SF-2M NG6	F, RBF, SF	Ball Nosed Tree	8.0	20.0	6.0	65.0	-	Brazed
GT9600-NG6	SF-3M NG6	F, RBF, SF	Ball Nosed Tree	9.6	19.0	6.0	64.0	-	Brazed
GT9700-NG6	SF-5MZ NG6	F, RBF, SF	Ball Nosed Tree	12.0	25.0	6.0	70.0	-	Brazed
GT9800-6-NG6	SF-6M NG6	F, RBF, SF	Ball Nosed Tree	16.0	25.0	6.0	70.0	-	Brazed
GT6400-NG6	SG-1M NG6	G, SPG, SG	Pointed Tree	6.0	18.0	6.0	50.0	-	Solid
GT6450-NG6	SG-2M NG6	G, SPG, SG	Pointed Tree	8.0	19.0	6.0	64.0	-	Brazed
GT6500-NG6	SG-3M NG6	G, SPG, SG	Pointed Tree	9.6	19.0	6.0	64.0	-	Brazed
GT6800-NG6	SG-5MZ NG6	G, SPG, SG	Pointed Tree	12.0	25.0	6.0	70.0	-	Brazed
GT6900-6-NG6	SG-6M NG6	G, SPG, SG	Pointed Tree	16.0	25.0	6.0	70.0	-	Brazed
GT5400-NG6	SH-1M NG6	H, SH	Flame	6.0	14.0	6.0	50.0	-	Solid
GT5550-NG6	SH-2M NG6	H, SH	Flame	8.0	19.0	6.0	64.0	-	Brazed
GT5555-NG6	SH-3M NG6	H, SH	Flame	10.0	20.0	6.0	65.0	-	Brazed
GT5600-NG6	SH-5MZ NG6	H, SH	Flame	12.0	30.0	6.0	75.0	-	Brazed
GT5850-6-NG6	SH-6M NG6	H, SH	Flame	16.0	36.0	6.0	81.0	-	Brazed
GT4400-NG6	SL-1M NG6	L, KEL, SL	Ball Nosed Cone	6.0	18.0	6.0	50.0	14°	Solid
GT4500-NG6	SL-2M NG6	L, KEL, SL	Ball Nosed Cone	8.0	25.0	6.0	70.0	14°	Brazed
GT4600-NG6	SL-3M NG6	L, KEL, SL	Ball Nosed Cone	9.6	20.0	6.0	65.0	14°	Brazed
GT4700-NG6	SL-4M NG6	L, KEL, SL	Ball Nosed Cone	12.0	30.0	6.0	75.0	14°	Brazed
GT4800-6-NG6	SL-6M NG6	L, KEL, SL	Ball Nosed Cone	16.0	33.0	6.0	78.0	14°	Brazed
GT2400-NG6	SM-1M NG6	M, SKM, SM	Cone	6.0	18.0	6.0	50.0	22°	Solid
GT2500-NG6	SM-2M NG6	M, SKM, SM	Cone	8.0	18.5	6.0	64.0	22°	Brazed
GT2600-NG6	SM-3M NG6	M, SKM, SM	Cone	9.6	19.0	6.0	64.0	28°	Brazed
GT2700-1-NG6	SM-5MZ NG6	M, SKM, SM	Cone	12.0	25.0	6.0	70.0	28°	Brazed
GT2750-1-6-NG6	SM-6M NG6	M, SKM, SM	Cone	16.0	29.0	6.0	74.0	31°	Brazed

Bur Sets



5pc Bur Set

Art No.: GGBKIT46
9.6mm cut diameter
6mm shank

Contents:

GCZ1602-NG6 ACC	B Shape
GCZ3600-NG6 ACC	C Shape
GCZ7600-NG6 ACC	D Shape
GCZ9600-NG6 ACC	F Shape
GCZ6500-NG6 ACC	G Shape



5pc Bur Set

Art No.: GGBKIT47
12mm cut diameter
6mm shank

Contents:

GCZ1702-NG6-1 ACC	B Shape
GCZ3700-NG6-1 ACC	C Shape
GCZ7700-NG6 ACC	D Shape
GCZ9700-NG6 ACC	F Shape
GCZ6800-NG6 ACC	G Shape



3pc Bur Set

Art No.: GGBKIT54
9.6mm cut diameter
6mm shank

Contents:

GCZ1602-NG6 ACC	B Shape
GCZ3600-NG6 ACC	C Shape
GCZ9600-NG6 ACC	F Shape



3pc Bur Set

Art No.: GGBKIT55
12mm cut diameter
6mm shank

Contents:

GCZ1702-NG6-1 ACC	B Shape
GCZ3700-NG6-1 ACC	C Shape
GCZ9700-NG6 ACC	F Shape



5pc Bur Set

Art No.: GGBKIT44
9.6mm cut diameter
6mm shank

Contents:

GT1602-NG6	B Shape
GT3600-NG6	C Shape
GT7600-NG6	D Shape
GT9600-NG6	F Shape
GT6500-NG6	G Shape



5pc Bur Set

Art No.: GGBKIT45
12mm cut diameter
6mm shank

Contents:

GT1702-NG6	B Shape
GT3700-NG6	C Shape
GT7700-NG6	D Shape
GT9700-NG6	F Shape
GT6800-NG6	G Shape

Higher metal removal rates + less grinding time = lower cost!

Applications

										 OPTIMAL
Steel	Hardened steel	Stainless	Cast iron	Titanium	Cermet	Nickel-based	Copper, copper alloys	Alu	Plastics GRP/CRP	 GOOD
										

Speed recommendations



Material group		Primary application	Cutting speed (m/min)
Steel (P)	Non Hardening steels < 38HRC	High stock removal	450-900
Hardened Steel (H)	Hardened, heat treated steels > 38HRC		250-350
Stainless Steel (M)	Austentic & Ferritic Stainless Steel		250-350
Cast Iron (K)	Grey Cast Iron Nodular (Ductile Iron)		450-900
Super Alloys (S)	Titanium and Nickel Alloys		300-450

Recommended rotational speeds

Bur cutting diameter (mm)	Cutting speed (m/min) Max. RPM	Rotational speed 250 m/min	Rotational speed 350 m/min	Rotational speed 450 m/min	Rotational speed 600 m/min	Rotational speed 900 m/min	Recommended ATA Air Tool
6.0	65,000	13,000	19,000	24,000	32,000	48,000	SDM37LR
8.0	60,000	10,000	14,000	18,000	24,000	36,000	SMD30LR
9.6	55,000	8,000	11,000	14,000	19,000	30,000	SMD30LR
12.0	35,000	7,000	9,000	12,000	16,000	24,000	SMD25KLR
16.0	25,000	5,000	7,000	9,000	12,000	18,000	SMD18KLR

These are the recommended speeds for standard shank length burs, with a 10mm maximum overhang
Maximum recommended operating speeds for extended length shanks is 15,000rpm

**For more information or to place an order, please contact
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The ATA logo is positioned in the bottom right corner of the page. It features the lowercase letters 'ata' in a bold, white, sans-serif typeface. The logo is set against a background of concentric, semi-transparent blue circles that originate from the right edge of the frame and expand towards the center, creating a sense of depth and movement.