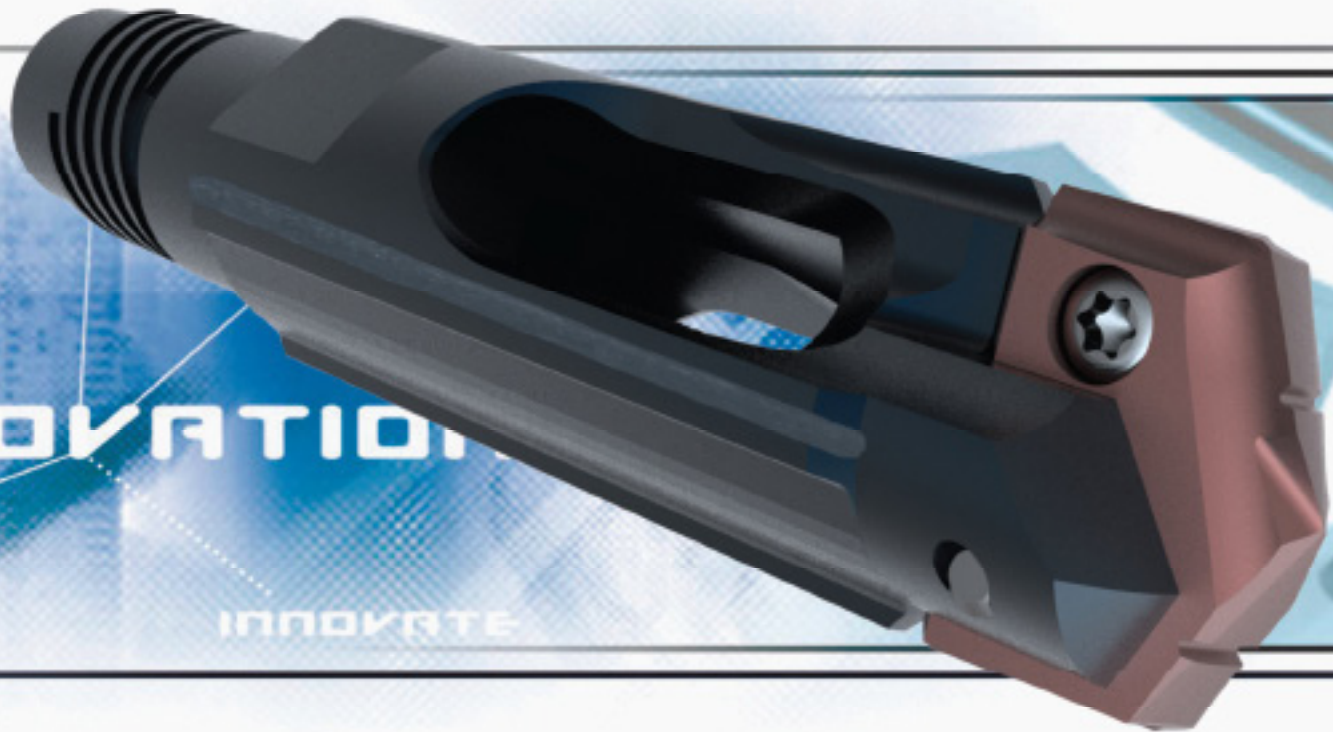


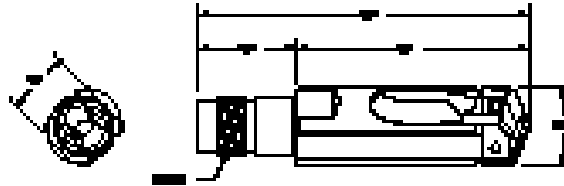


ALLIED MACHINE &  
ENGINEERING CORP.



# BT-A Drill

Replaceable Tip Single Tube BTA Tool and Accessories



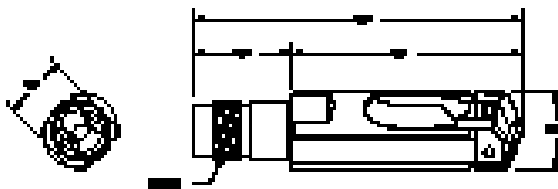
**BT-A Imperial**

Item Number	T-A® Series	Tube Size	A Diameter Range (Inch)	B Reference Length (Inch)	C Shank Length (Inch)	D Overall Length (Inch)	E Wrench Flat (mm)
BTA0-794-x.xxxx	0	794	0.5100-0.5359	1-45/64	29/32	2-39/64	11
BTA0-795-x.xxxx	0	795	0.5360-0.5759	1-3/4	29/32	2-21/32	12
BTA0-796-x.xxxx	0	796	0.5760-0.6149	1-13/16	61/64	2-3/4	13
BTA0-797-x.xxxx	0	797	0.6150-0.6579	1-13/16	61/64	2-3/4	14
BTA0-798-x.xxxx	0	798	0.6580-0.6959	1-25/32	61/64	2-47/64	15
BTA1-799-x.xxxx	1	799	0.6960-0.7449	2-15/64	63/64	3-9/32	16
BTA1-800-x.xxxx	1	800	0.7450-0.7879	2-5/16	1-7/64	3-27/64	17
BTA1-801-x.xxxx	1	801	0.7880-0.8589	2-11/32	1-13/64	3-35/64	18
BTA1-802-x.xxxx	1	802	0.8590-0.9489	2-25/64	1-19/64	3-11/16	19
BTA1-803-x.xxxx	1	803	0.9490-0.9600	2-33/64	1-19/64	3-13/16	21
BTA2-803-x.xxxx	2	803	0.9601-1.0399	3-3/32	1-19/64	4-25/64	21
BTA2-804-x.xxxx	2	804	1.0400-1.1299	3	1-7/64	4-3/32	22
BTA2-805-x.xxxx	2	805	1.1300-1.2209	2-31/32	1-27/64	4-25/64	25
BTA2-806-x.xxxx	2	806	1.2210-1.3119	3-1/16	1-27/64	4-31/64	27
BTA2-807-x.xxxx	2	807	1.3120-1.3800	3-1/16	1-27/64	4-31/64	30
BTA3-807-x.xxxx	3	807	1.3801-1.4259	3-13/16	1-27/64	5-15/64	30
BTA3-808-x.xxxx	3	808	1.4260-1.5599	3-15/16	1-3/4	5-11/16	32
BTA3-809-x.xxxx	3	809	1.5600-1.6929	4-1/16	1-11/16	5-3/4	36
BTA3-810-x.xxxx	3	810	1.6930-1.8509	4-1/64	1-11/16	5-45/64	41
BTA3-811-x.xxxx	3	811	1.8510-1.8820	4-1/16	1-11/16	5-3/4	41

Tube Size	Item Number	Diameter Range (Inch)	Tube OD (Inch)	Tube ID (Inch)	Length (Inch)
794	BTAT794-63 BTAT794-102	0.503-0.535	0.433	0.276	63 102
795	BTAT795-63 BTAT795-102	0.536-0.575	0.472	0.315	63 102
796	BTAT796-63 BTAT796-102	0.576-0.614	0.512	0.335	63 102
797	BTAT797-63 BTAT797-102	0.615-0.657	0.551	0.354	63 102
798	BTAT798-63 BTAT798-102	0.658-0.696	0.591	0.394	63 102
799	BTAT799-63 BTAT799-102	0.697-0.744	0.630	0.413	63 102
800	BTAT800-63 BTAT800-102	0.745-0.787	0.669	0.453	63 102
801	BTAT801-63 BTAT801-102	0.788-0.858	0.709	0.472	63 102
802	BTAT802-63 BTAT802-102	0.859-0.948	0.787	0.512	63 102
803	BTAT803-63 BTAT803-102	0.949-1.039	0.866	0.551	63 102
804	BTAT804-63 BTAT804-102	1.040-1.129	0.945	0.610	63 102
805	BTAT805-63 BTAT805-102	1.130-1.220	1.024	0.669	63 102
806	BTAT806-102	1.221-1.311	1.102	0.728	102
807	BTAT807-102	1.312-1.425	1.181	0.787	102
808	BTAT808-102	1.426-1.559	1.299	0.906	102
809	BTAT809-102	1.560-1.692	1.417	0.984	102
810	BTAT810-102	1.693-1.850	1.535	1.102	102
811	BTAT811-102	1.851-1.882	1.693	1.220	102

**Features and Benefits**

- Laser clad bearing area for improved straightness
- Compatible with standard BTA-STS Systems
- Significantly increased penetration rates over brazed heads and traditional gun drills
- Balanced cutting forces
- Replaceable cutting edges eliminate the need for re-sharpening.
- Patent-pending Design



## BT-A Metric

Item Number	T-A® Series	Tube Size	A Diameter Range (mm)	B Reference Length (mm)	C Shank Length (mm)	D Overall Length (mm)	E Wrench Flat (mm)
BTA0-794-xx.xx	0	794	12,95-13,61	43,4	23	66,4	11
BTA0-795-xx.xx	0	795	13,62-14,63	44,6	23	67,6	12
BTA0-796-xx.xx	0	796	14,64-15,62	45,9	24	69,9	13
BTA0-797-xx.xx	0	797	15,63-16,71	45,9	24	69,9	14
BTA0-798-xx.xx	0	798	16,72-17,68	45,3	24	69,3	15
BTA1-799-xx.xx	1	799	17,69-18,92	58,2	25	83,2	16
BTA1-800-xx.xx	1	800	18,93-20,01	58,8	28	86,8	17
BTA1-801-xx.xx	1	801	20,02-21,81	59,4	30,5	89,9	18
BTA1-802-xx.xx	1	802	21,82-24,10	60,7	33	93,7	19
BTA1-803-xx.xx	1	803	24,11-24,38	63,9	33	96,9	21
BTA2-803-xx.xx	2	803	24,39-26,41	78,5	33	111,5	21
BTA2-804-xx.xx	2	804	26,42-28,70	75,9	28	103,9	22
BTA2-805-xx.xx	2	805	28,71-31,01	75,4	36	111,4	25
BTA2-806-xx.xx	2	806	31,02-33,32	77,9	36	113,8	27
BTA2-807-xx.xx	2	807	33,33-35,05	77,9	36	113,8	30
BTA3-807-xx.xx	3	807	35,06-36,22	96,8	36	132,8	30
BTA3-808-xx.xx	3	808	36,23-39,62	100	44,5	144,4	32
BTA3-809-xx.xx	3	809	39,63-43,00	103,1	43	146,2	36
BTA3-810-xx.xx	3	810	43,01-47,01	101,9	43	144,9	41
BTA3-811-xx.xx	3	811	47,02-47,80	103,2	43	146,2	41

Tube Size	Item Number	Diameter Range (mm)	Tube OD (mm)	Tube ID (mm)	Length (mm)
794	BTAT794-63 BTAT794-102	12,78-13,59	11,0	7,0	1600 2591
795	BTAT795-63 BTAT795-102	13,60-14,61	12,0	8,0	1600 2591
796	BTAT796-63 BTAT796-102	14,62-15,60	13,0	8,5	1600 2591
797	BTAT797-63 BTAT797-102	15,61-16,69	14,0	9,0	1600 2591
798	BTAT798-63 BTAT798-102	16,70-17,68	15,0	10,0	1600 2591
799	BTAT799-63 BTAT799-102	17,69-18,90	16,0	10,5	1600 2591
800	BTAT800-63 BTAT800-102	18,91-20,00	17,0	11,5	1600 2591
801	BTAT801-63 BTAT801-102	20,01-21,79	18,0	12,0	1600 2591
802	BTAT802-63 BTAT802-102	21,80-24,08	20,0	13,0	1600 2591
803	BTAT803-63 BTAT803-102	24,09-26,39	22,0	14,0	1600 2591
804	BTAT804-63 BTAT804-102	26,40-28,68	24,0	15,5	1600 2591
805	BTAT805-63 BTAT805-102	28,69-30,99	26,0	17,0	1600 2591
806	BTAT806-102	31,00-33,30	28,0	18,5	2591
807	BTAT807-102	33,31-36,20	30,0	20,0	2591
808	BTAT808-102	36,21-39,60	33,0	23,0	2591
809	BTAT809-102	39,61-42,98	36,0	25,0	2591
810	BTAT810-102	42,99-46,99	39,0	28,0	2591
811	BTAT811-102	47,00-47,80	43,0	31,0	2591

BT-A



# Regional Distribution Warehouse Locations:

## USA

Allied Machine & Engineering Corp.  
120 Deeds Drive • PO Box 36 • Dover, Ohio 44622-0036

Telephone: (330) 343-4283  
Toll Free USA & Canada: (800) 321-5537  
Fax: (330) 602-3400  
Toll Free USA & Canada: (800) 223-5140  
Engineering Fax: (330) 364-7666

## Europe

Allied Maxcut Engineering Co. Ltd.  
93 Vantage Point, Pensnett Estate,  
Kingswinford, West Midlands  
DY6 7FR ENGLAND

Telephone: 011-44-1384-400900  
Fax: 011-44-1384-400105

## Other Product Literature:

### Allied Drilling Products

Allied Drilling Products are designed and manufactured by Allied Machine & Engineering Corp. The combination of premium materials, along with unique geometry and coatings allows for the finest drilling systems in the metal cutting industry, resulting in the lowest cost per hole.



Literature Order Number: TAASC-001

### EcoCut

#### DRILLING AND TURNING WITH ONLY ONE TOOL

AMEC offers a versatile line of lathe tools that can perform up to four machining operations. One EcoCut tool can be used for drilling, boring applications, facing applications and standard turning operations.



Literature Order Number: EC-08

### AccuPort 432® Port Contour Cutter ONE OPERATION PORT HOLE DRILLING SYSTEM



AMEC's port contour drilling system combines two manufacturing functions into one. The patented design provides excellent repeatability and surfacefinish while eliminating lost production time due to pre-drilling, setups, and regrinding.

Literature Order Number: AP432-08

### Structural Steel T-A® Drilling System HIGH PERFORMANCE HOLDERS AND INSERTS



Designed specifically for use on structural steel materials, this patent-pending system delivers Outstanding Performance and Durability. TiAlN insert coating allows for increased tool life and better heat resistance while providing better hole tolerances. Tool holders can be used with standard T-A® Drill Inserts.

Literature Order Number: SS-08

### Opening Drill® / Revolution Drill™



The Revolution Drill™ is an IC Drill that allows adjustability of up to .200" (5.1 mm) in diameter. Available in sizes from 1.875" (47.63mm) to 4.00" (101.6mm). The Opening Drill® offers adjustable diameters for the boring of existing holes up to 6.82" (142.75mm). These adjustable diameter tools reduce inventory requirements and offer removable cartridges for easy replacement.

Literature Order Number: ODREV-08

### Alvan® Expandable Reamers



The Alvan® product line includes both monobloc and ring style expandable reamers, offered with carbide, cermet, PCD and CBN cutting edges and are available in sizes from 0.226 inch to 7.898 inch (5.8 mm to 200.6 mm) diameters.

Literature Order Number: ALV-08

### AccuThread 856® Thread Milling Products



AccuThread 856® specific Thread Mills conform with J1926 and SAE AS5202. AccuThread 856® has a thicker core and a helical flute which offers increased strength and rigidity when cutting forces are applied. AccuThread 856® provides superior thread forms compared to other competitive thread mills and taps.

Literature Order Number: ATRRLLR



Allied Machine & Engineering Corp.



## Allied Machine & Engineering Corp.

120 Deeds Drive  
Dover, OH 44622-0036

Telephone: (330) 343-4283  
Toll Free USA & Canada: (800) 321-5537  
Fax: (330) 602-3400  
Toll Free USA & Canada: (800) 223-5140  
International: Country Code 01  
Website Address: [www.alliedmachine.com](http://www.alliedmachine.com)  
Email Address: [info@alliedmachine.com](mailto:info@alliedmachine.com)