

TEXTRON Fastening Systems

TX2000[®]

Battery Powered Tool



- Complete mobility
- Outstanding performance
- Highly durable
- Energy efficient
- Balanced, ergonomic design

 **Avdel[®]**

TX2000[®] - Battery Powered Tool

Features and Benefits

The TX2000[®] combines the latest cordless technology with high energy efficiency, short cycle times and rapid battery recharge. It places steel breakstem fasteners from 3.2mm ($\frac{1}{8}$ ") to 4.8mm ($\frac{3}{16}$ ") and aluminium alloy, stainless steel and copper from 3.0mm to 6.4mm ($\frac{1}{4}$ "). It also places a range of aluminium lockbolts to 6.4mm ($\frac{1}{4}$ ").

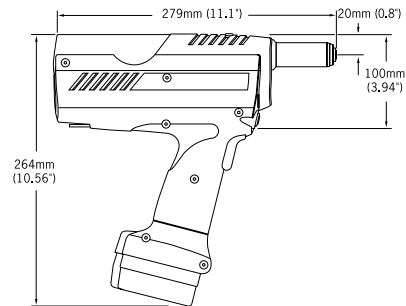
Features	Benefits
Latest cordless technology	<ul style="list-style-type: none">For complete operator mobility and maximum production flexibilityIdeal for roofing and cladding, vehicle repairs and shop fitting
Heavy duty, plastic tool body (30% glass filled nylon) with long life components	<ul style="list-style-type: none">Durable and robust construction for a long working lifeIdeal for demanding production environments
Long life, high capacity battery with rapid recharge	<ul style="list-style-type: none">Places 600 x 4.8mm ($\frac{3}{16}$") Steel Avex[®] per chargeCan be charged up to 1000 timesCan be recharged in 40 minutes from flatIncrease in battery life achieved when charging to 90% capacity
Intelligent, rapid battery charger	<ul style="list-style-type: none">Has a life of 10,000 charge cyclesCan fully charge a battery from flat in 40 minutesNo 'memory effect' problemsCharges Ni-Cd and Ni-MH cell chemistriesNegligible reduction in cycles per charge when battery is charged to 90%
Highly energy efficient hydraulic system	<ul style="list-style-type: none">Places more fasteners per charge than comparable tools
Balanced design with ergonomic handle and angled head	<ul style="list-style-type: none">Comfortable to operate, reducing operator fatigueReduced risk of RSI
Quick cycle time - 2 seconds on average	<ul style="list-style-type: none">Places 38 x 4.8mm ($\frac{3}{16}$") Steel Avex[®] per minuteQuick and simple to operate
Motor is used in single direction of rotation	<ul style="list-style-type: none">Reduced wear and tear on the gearbox and motor
Supplied with 3 nose tips and spanner built-in to tool	<ul style="list-style-type: none">For a quick and easy changeover
Various built-in safety features	<ul style="list-style-type: none">Tamper-proof casing - Quick emptying stem collector -Overheat protection when charging - Overload protection



Specifications

Tool

Weight	With nose equipment	2.5 kg (5.5 lbs)
Stroke	Minimum - Maximum	22.0 mm (0.870")
Pull Force	Minimum	11.0 kN (2444 lbf)
Operating Voltage		12V DC
Cycle Time	@ Full Stroke	2.0 secs
Noise Level		70 dB(A)
Vibration	Less than	2.5 m/s ² (8ft/s ²)
Handle Angle		14°



Charger

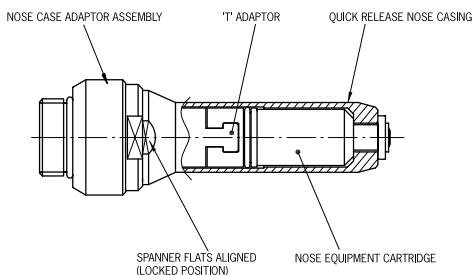
	AP/ULE-1201 and AP/ULUJ-1201
Input Supply	UK/Europe/Australia 220 / 240 V – 50 - 60 Hz USA/Canada/Japan 100 - 110 V – 50 - 60 Hz
Output Supply	12 V (3A)
Charging Time	(90% capacity) 12 V / 2.0 Ah Ni-Cd Battery 40 mins (100% capacity) 12 V / 2.0 Ah Ni-Cd Battery 50 mins
Intelligent Charger	(Advanced) Patented design. Charges according to remaining battery capacity with automatic trickle charge to achieve optimum
Battery Type	battery capacity suitable for charging both Ni-Cd and Ni-MH cell chemistry with a capacity of 1.2 Ah - 3.0 Ah
Weight	0.5 kg (1.1 lb)

Battery

	Ni-Cd	Ni-MH
Output Voltage	12V DC	12V DC
Capacity	2.0 Ah	2.2Ah
Number of Cells	10	10
Cell Construction	Ni-Cd	Ni-MH
(both with NTC thermal overcharge protection)		
Weight	0.65 kg (1.43 lb)	0.67 kg (1.48 lb)

Quick Release Nose Equipment

Change a nose equipment cartridge on your TX2000® tool, on line, in less than ten seconds using the patented Genesis® quick release system. By simply turning the quick release nose casing and removing it from the nose case adaptor assembly, it is possible to slide the nose equipment cartridge off the 'T' adaptor and replace it with another. The used equipment cartridge can then be cleaned and serviced off line and returned ready for the next change over. Ideal for continuous flow production lines or environments where nose equipment requires frequent cleaning.



Lockbolt Nose Equipment

By using standard Genesis® lockbolt nose equipment you can adapt the TX2000® to place a range of aluminium lockbolts, including Avdelok® and Maxlok®. It will also place 10.00mm steel Avtainer®. Collar croppers are also available for Avdelok® and Maxlok®.

















Lockbolt nose equipment



Collar croppers

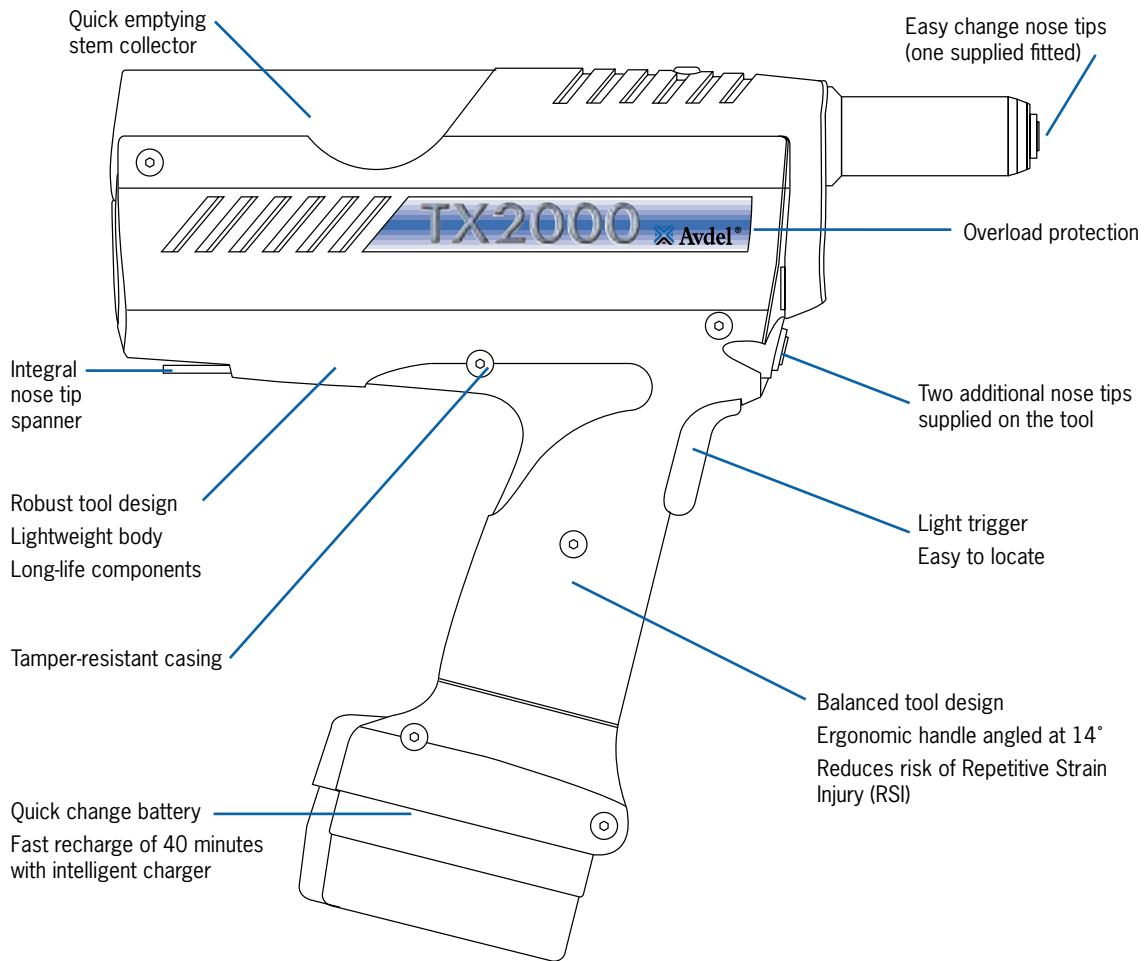
Placing Matrix

		Fastener Series	Material	Headform	Fastener Size					
					3.0mm	3.2mm	4.0mm	4.8mm	6.4mm	10.0mm
					(¹ / ₈ "	(⁵ / ₃₂ "	(³ / ₁₆ "	(¹ / ₄ "		
Avex®		Avex® 1661	Aluminium	Dome Head	✓	✓	✓	✓	✓	
		Avex® 1604	Aluminium	120° Countersunk		✓	✓	✓		
		Avex® 1641	Aluminium	Large Flange		✓	✓	✓		
		Avex® 1663	Aluminium	Dome Head	✓	✓	✓	✓		
		Avex® 1643	Aluminium	Large Flange				✓		
		Avex® 1610	Steel	Low Profile			✓	✓		
Stavex®		Stavex® BS01	Steel	Dome Head		✓	✓	✓		
		Stavex® BS04	Steel	120° Countersunk				✓		
		Stavex® BE34	Steel	Large Flange				✓		
		Stavex® BS11	Stainless Steel	Dome Head		✓	✓	✓		
Avibulb®		Avibulb® BN01	Steel	Dome Head		✓	✓	✓		
Avinox® II		Avinox® II BE61	Stainless Steel	Dome Head		✓	✓	✓		
Avdel® SR		Avdel® SR SR01	Aluminium	Dome Head		✓	✓	✓	✓	
		Avdel® SR SR02	Aluminium	Dome Head		✓	✓	✓		
		Avdel® SR SR03	Copper	Dome Head		✓	✓	✓		
		Avdel® SR SR04	Aluminium	Dome Head			✓	✓		
		Avdel® SR SR31	Steel	Dome Head		✓	✓	✓		
		Avdel® SR SR41	Stainless Steel	Dome Head		✓	✓	✓		
Bulbex®		Bulbex® BF01	Aluminium	Dome Head			✓	✓		
T-Lok®		*T-Lok® BM01	Steel	Dome Head				✓		
Monobolt®		Monobolt® 2774	Aluminium	Protruding Head				✓	✓	
		Monobolt® 2764	Aluminium	100° Countersunk				✓	✓	
		Monobolt® 2771	Steel	Protruding Head				✓		
		Monobolt® 2761	Steel	100° Countersunk				✓		
		Monobolt® 2711	Stainless Steel	Protruding Head				✓	✓	
Interlock®		Interlock® BAPI	Aluminium	Protruding Head				✓	✓	
		Interlock® SSPI	Steel	Protruding Head				✓		
		Interlock® SSC1	Steel	100° Countersunk				✓		
Hemlok®		Hemlok® 2241	Aluminium	Protruding Head					✓	
TLR®		TLR® 3904	Aluminium	Protruding Head				✓	✓	
Avdelok®		Avdelok® 2801-2804	Aluminium	All Headforms				✓	✓	
Maxlok®		Maxlok® 1921	Aluminium	Brazier				✓		
Avtainer®		Avtainer® 2311	Steel	Low Profile					✓	

*TX2000® also places 4.3mm T-Lok®

Key Features

2 secs (ave) cycle time at full stroke • Places 38 x 4.8mm (3/16") Steel Avdel® per minute • 40 minute recharge time from flat

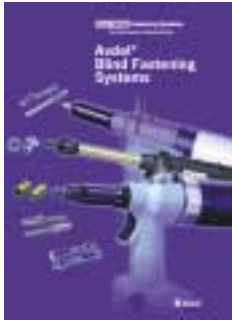


Placing Matrix Overview

Fastener Material	Fastener Size					
	3.0mm	3.2mm (1/8")	4.0mm (5/32")	4.3mm	4.8mm (3/16")	6.4mm (1/4")
Aluminium	✓	✓	✓		✓	✓
Steel		✓	✓	✓	✓	
Stainless Steel		✓	✓		✓	✓
Copper		✓	✓		✓	

TEXTRON Fastening Systems

Please contact us to request a copy of any of the five product guides detailed below:-



Avdel® Blind Fastening Systems

An introductory guide to:

- Avdel® Lockbolt Systems
- Avdel® Structural Breakstem Systems
- Avdel® Breakstem Systems
- Avdel® Threaded Inserts
- Avdel® Speed Fastening Systems
- Installation Tools



Avdel® Breakstem Systems

A detailed product guide to:

- The range of Avdel® Breakstem Fasteners
- Technical Data
- Selection Guides
- Installation Tools
- Bespoke Assembly Equipment



Avdel® Threaded Inserts

A detailed product guide to:

- The range of Avdel® Threaded Inserts
- Technical Data
- Selection Guides
- Customised Designs and Finishes
- Installation Tools



Avdel® Structural Systems

A detailed product guide to:

- The range of Avdel® Lockbolt Fasteners
- The range of Avdel® Structural Breakstem Fasteners
- Technical Data
- Selection Guides
- Installation Tools



Avdel® Speed Fastening Systems

A detailed product guide to:

- The range of Avdel® Speed Fasteners
- Technical Data
- Selection Guides
- Installation Tools
- Bespoke Assembly Equipment

Your local distributor for TX2000® is:

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