

fine boring  
**SOLUTIONS**

[www.alliedmachine.com](http://www.alliedmachine.com)



Mounts to custom  
designed boring tools



Available with  
digital 3E<sup>TECH+</sup> or  
analog adjustment



Accurate adjustments  
with easy-to-use  
settings



**NEW**

LAY DOWN CARTRIDGE

**ES-BORE**



**ALLIED MACHINE  
& ENGINEERING**

Allied Machine offers a wide range of drilling, boring, reaming, burnishing, and threading tools to lower your **cost per hole**.



# ES-BORE LAY DOWN CARTRIDGE



**Digital ES-Bore with 3E<sup>TECH+</sup>**  
accuracy of 0.0001" (0.001 mm)



**Analog ES-Bore**  
accuracy of 0.0002" (0.005 mm)

## ES-Bore

	Holder Type	Cutting Direction	Approach Angle	ISO	Insert Form	Part No.	
						Digital (3E <sup>TECH+</sup> )	Analog
i		Right	90°	CC.. 0602..	101	<b>345032</b>	<b>346036</b>
		Left	90°	CC.. 0602..	101	<b>345033</b>	<b>346037</b>
		Right	90°	TOGX 0802..	20	<b>345042</b>	<b>346046</b>
		Left	90°	TOGX 0802..	20	<b>345043</b>	<b>346047</b>
		Right	95°	CC.. 0602..	101	<b>345030</b>	<b>346034</b>
		Left	95°	CC.. 0602..	101	<b>345031</b>	<b>346035</b>
	Right	95°	TOGX 0802..	20	<b>345040</b>	<b>346044</b>	
	Left	95°	TOGX 0802..	20	<b>345041</b>	<b>346045</b>	
m		Right	90°	CC.. 0602..	101	<b>345032</b>	<b>345036</b>
		Left	90°	CC.. 0602..	101	<b>345033</b>	<b>345037</b>
		Right	90°	TOGX 0802..	20	<b>345042</b>	<b>345046</b>
		Left	90°	TOGX 0802..	20	<b>345043</b>	<b>345047</b>
		Right	95°	CC.. 0602..	101	<b>345030</b>	<b>345034</b>
		Left	95°	CC.. 0602..	101	<b>345031</b>	<b>345035</b>
		Right	95°	TOGX 0802..	20	<b>345040</b>	<b>345044</b>
		Left	95°	TOGX 0802..	20	<b>345041</b>	<b>345045</b>

**NOTE:** ES-Bore digital fine boring cartridges must be used with the new 3E<sup>TECH+</sup> module and adapter plate. The ES-Bore cannot be used with 3E<sup>TECH</sup> module.

**NOTE:** 3E<sup>TECH+</sup> module, adapter and charging unit sold separately.

## Accessories

Part	Part No.
3E <sup>TECH+</sup> Digital Readout Module	<b>536015</b>
Adapter Plate (right)	<b>536017</b>
Adapter Plate (left)	<b>536018</b>
3E <sup>TECH+</sup> Charging Unit	<b>536016</b>

**NOTE:** 3E<sup>TECH+</sup> module, adapter and charging unit are each sold separately

**NOTE:** Adapter is required for use of 3E<sup>TECH+</sup> module on ES-Bore cartridge



**NOTE:** Metric display pictured  
**NOTE:** Adjustment accuracy of 0.0001" or 0.001 mm on diameter



# ES-BORE

Ø ≥ 1.102" (28.00 mm)

The ES-Bore lay down cartridge can easily be mounted onto the body of a custom tool while the dimensions allow the cartridge to fit on existing bodies and replace current lay down cartridges.

Allied Machine offers expert engineering support. Whether you need a quote, a test, or an application solution, a highly skilled and trained engineer is standing by, ready to help.

[www.alliedmachine.com/contactus](http://www.alliedmachine.com/contactus)

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