

RIGIBORE

ActiveEdge

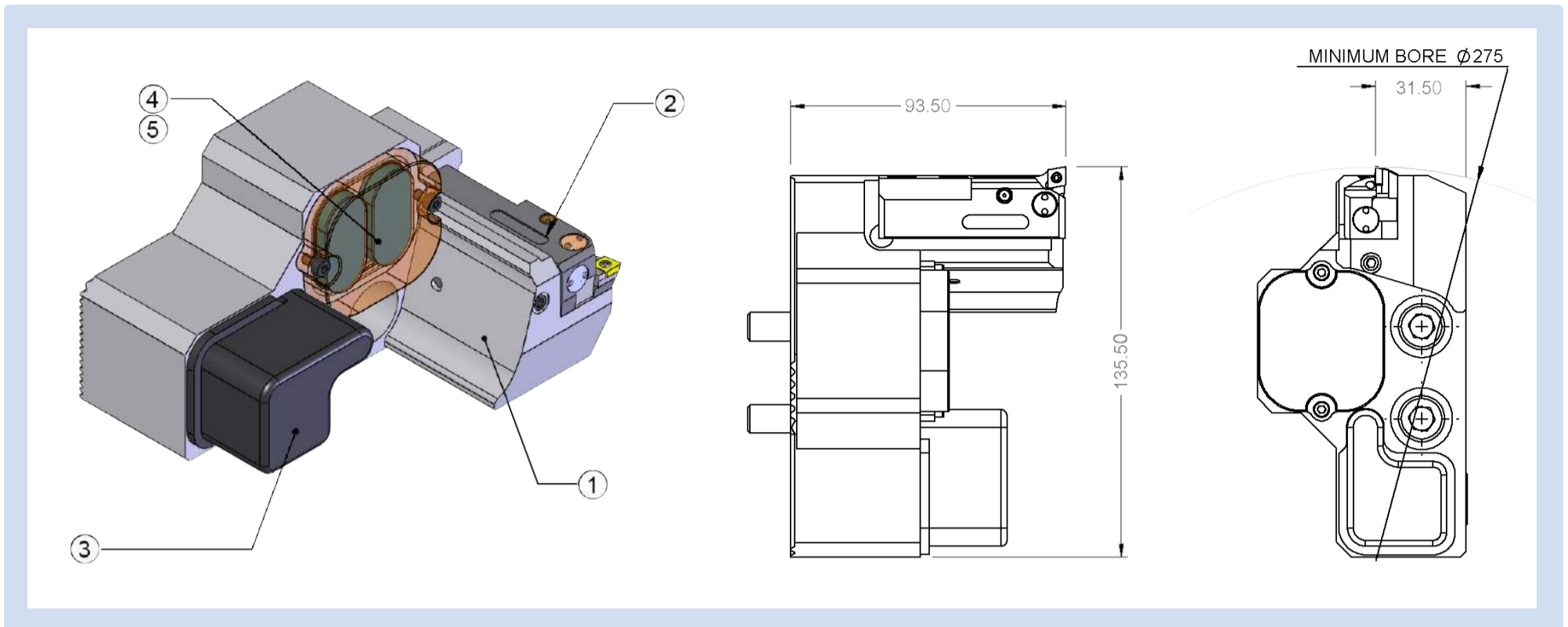
Precision Performance on Large Diameter Boring

Nexus

Micron Accurate Wireless Adjustment on Large Diameter
Finish Boring - Modular Solution

Rigibore® The Most Accurately Adjustable Boring Tools in the World





1) ActiveEdge Nexus

2) ActiveEdge Cartridge

Part Number	Insert	Datum Radius	Approach	Fine Adjustment Range Ø
AEC1190	TC.1102..	0.4	90°	0.6
AEC0690	CC..0602..	0.4	90°	0.6

3) Radio Hardware

4) Battery Cap

5) Replacement Battery

Part Number	AE-BPK02
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ActiveEdge Nexus - Large Diameter Finish Boring

Automatic Fine Adjustment - Modular Solution For Diameters From **Ø 275mm (10.8268") - Ø 1020mm (40.15748")**.

The ActiveEdge Nexus includes coarse adjustment and fine setting capabilities, in addition to automatic cutting edge compensation in the machine tool.

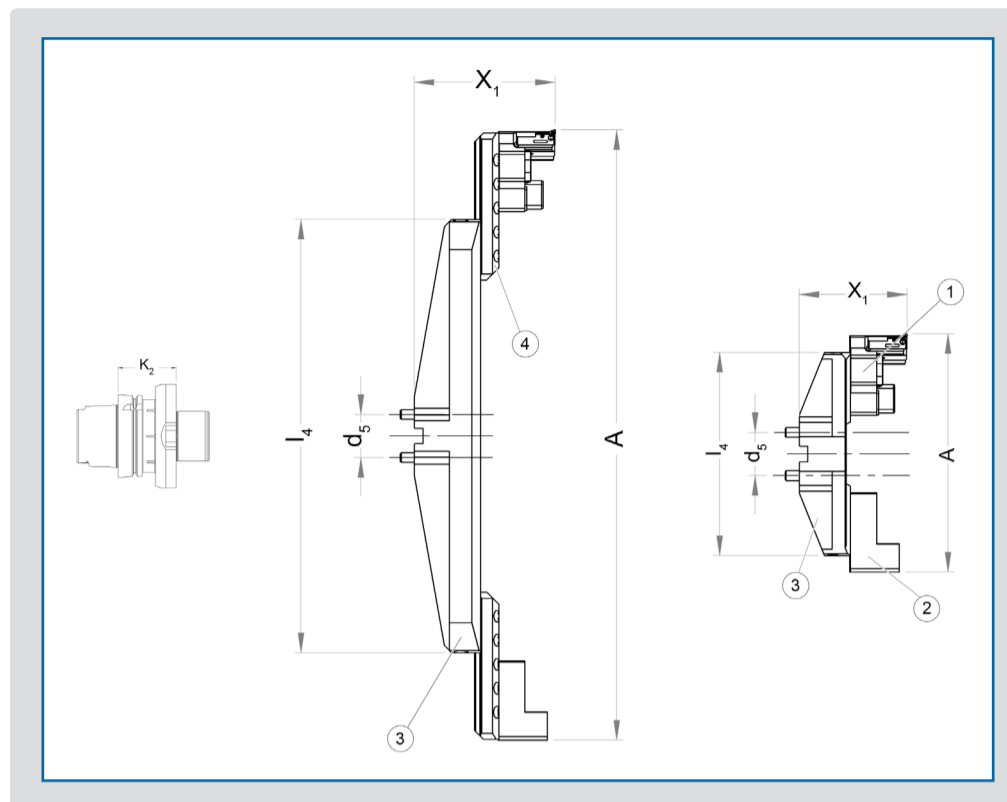
This design is a self-contained module added to flanges. The module has a radio transceiver, battery compartment and contains a micron accurate ActiveEdge cartridge.

Coarse adjustment is set manually in the tool-room.

ActiveEdge adjustments can be made in two ways :-

- 1. Remote Adjustment** - Diameter changes are made through wireless transmission, using the ActiveEdge Remote Control.
- 2. Automatic Adjustment** - Diameter changes are made without the need for operator intervention as part of a closed-loop system.

For more information on ActiveEdge integration please see *'ActiveEdge Nexus- Adjustment Methods'* on page 2.



Cutting Range (mm)	(1) Automatic Adjustment	(2) Balance Block	(3) Flange	(4) Bridge Adapter	X1	P5
275-335	AE-NXC01	AE-NX-BB	NX-F275-335	N/A	111.5	D60
350-430	AE-NXC01	AE-NX-BB	NX-F350-430	N/A	111.5	D60
424-505	AE-NXC01	AE-NX-BB	NX-F424-505	N/A	111.5	D60
465-745	AE-NXC01	AE-NX-BB	NX-F465-745	N/A	111.5	D60
740-1020	AE-NXC01	AE-NX-BB	NX-F740-1020	AE-NX-FA	235.0	D60

(5) Shank Type	Part Number
BT50	BT50-NXD60
7388/DIN 69871-50	7388-50-NXD60
HSK100A	HSK100-NXD60
MVS100	MVS100-NXD60
For other shank types, contact Rigibore	



3T Adjust	
AE-RC-434	ActiveEdge Remote Control 434 Mhz
AE-RC-914	ActiveEdge Remote Control 914 Mhz

Spares and Accessories	
Insert Screws	RS2560
Grease Gun	UFGP-00
Grease	UFGP_00RFL
Battery Pack	AE_BPK02

ActiveEdge Nexus - Adjustment Options

Remote Adjustment- Micron accurate compensations are made by entering the tool's unique ID and required diameter change into the ActiveEdge Remote Control. The cutting edge then extends or retracts based on the wireless compensation request.

Rigibore's Zenith Solution - Zenith is Rigibore's total automation solution for producing micron accurate bores. The solution integrates ActiveEdge tools with in-process gauging to enable a machine controller to automatically compensate for insert wear, temperature change and material inconsistency.