

# DIATECH<sup>®</sup> Z-Rex

Primal power harnessed



# ADVANTAGES AT A GLANCE

## DIAMOND INSTRUMENTS FOR ZIRCONIA AND OTHER HIGH PERFORMANCE CERAMICS

Due to their superior properties, high performance ceramics like zirconia are on the rise as crown and bridge materials. However, these properties make the material difficult to work on with conventional instruments.

Sharp and resilient like dinosaur teeth, DIATECH Z-Rex diamond instruments are the solution for this problem and make it easy to adjust, trepan or remove

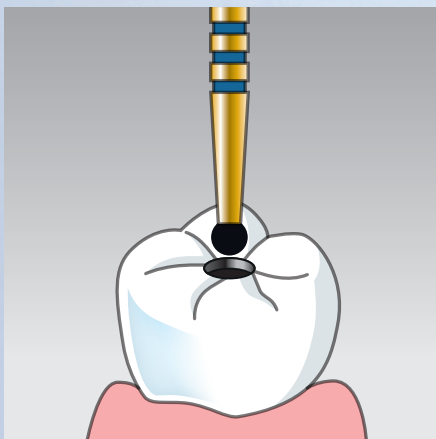
ceramic restorations. The unique synthetic diamond mixture offers an exceptional combination of durability and efficiency.

DIATECH Z-Rex instruments are offered in two grits, medium to reduce the likelihood of micro fractures and coarse for even increased crown cutting efficiency. They are individually packaged in blisters for ease of convenience and tracking.

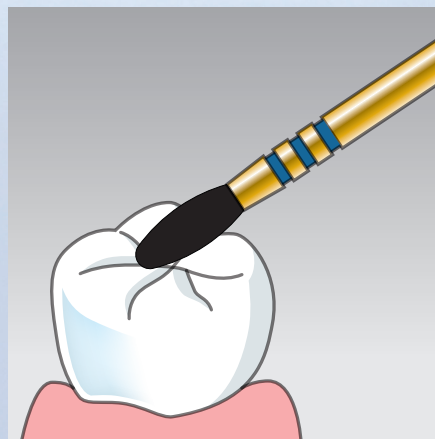
- Revolutionary ERA bonding
- Shortened procedure time
- Reduced delamination of diamonds
- Offered in medium and coarse grit
- Exceptional combination of durability and efficiency
- Individually packaged in blisters

## MAIN INDICATIONS

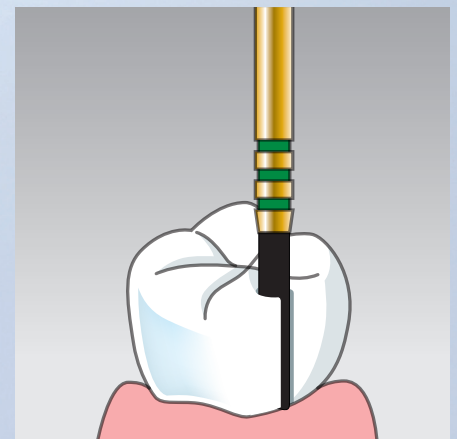
Endo Access



Crown Adjustment



Crown Cutting



# Primal power harnessed



## ERA BONDING

### REDUCED DELAMINATION OF DIAMONDS

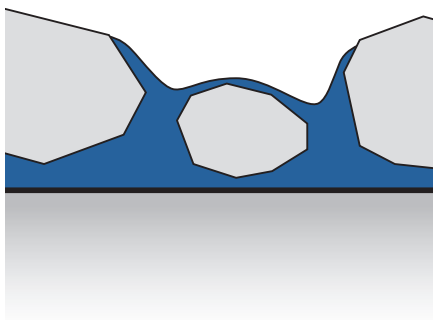
COLTENE's revolutionary Enhanced Resilient Alloy (ERA<sup>1</sup>) bonding has exceptional properties:

The ERA matrix allows for improved embedding of diamonds. Additionally, the hardness (Vickers hardness) of the Enhanced Resilient Alloy is augmented

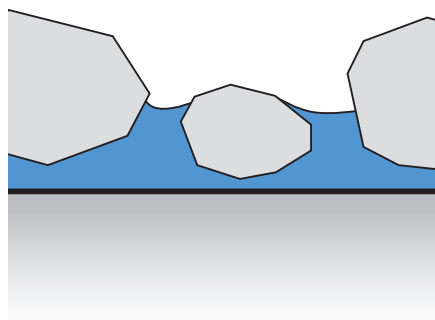
by 70% compared to conventional bondings<sup>2</sup>. At the same time the toughness is increased significantly. All these features lead to a reduced delamination of diamonds which results in higher durability and efficiency<sup>3</sup>.

<sup>1</sup> Patent pending   <sup>2</sup> Internal Tests   <sup>3</sup> Test results King's College London on file

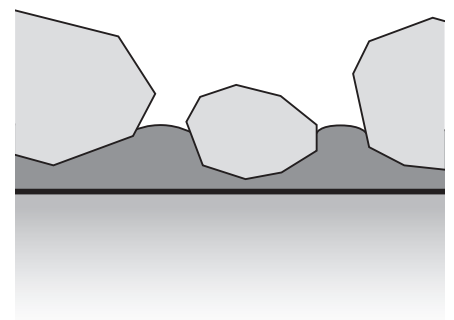
DIATECH Z-Rex Bonding



DIATECH Standard Bonding



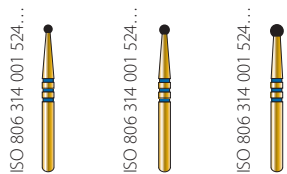
Competitor Bonding



# ORDER INFORMATION

## Endo Access

### ZR801 Round



ISO Ø 1/10 mm	012	014	018
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FG/ISO 314

M	REF	60022023	60022024	60022025
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Head Ø in 1/10 mm	Speed range (RPM)
012	160 000 – 300 000
014	135 000 – 275 000
016	120 000 – 240 000
018	105 000 – 210 000
023	85 000 – 165 000

## Crown Adjustment

### ZR379 Egg



ISO Ø 1/10 mm	023
Head L in mm	5

FG/ISO 314

M	REF	60022022
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### ZR862 Flame



ISO Ø 1/10 mm	014
Head L in mm	8

FG/ISO 314

M	REF	60022029
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### ZR863 Flame



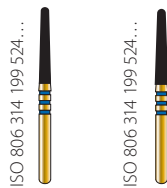
ISO Ø 1/10 mm	014
Head L in mm	10

FG/ISO 314

M	REF	60022030
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## Crown Cutting

### ZR850 Round End Taper



ISO Ø 1/10 mm	016	018
Head L in mm	10	10

FG/ISO 314

M	REF	60022026	60022027
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### ZR856 Round End Taper

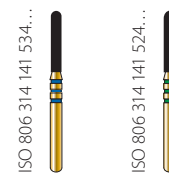


ISO Ø 1/10 mm	018
Head L in mm	8

FG/ISO 314

M	REF	60022028
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### ZR881 Round End Cylinder



ISO Ø 1/10 mm	014	016
Head L in mm	8	8

FG/ISO 314

C	REF	60022032
M	REF	60022031






# ORDER INFORMATION

## 60022153 DIATECH Z-Rex Intro Kit

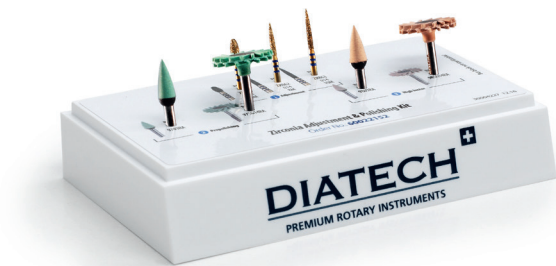
Refill: 60022160

Convince yourself of the superior performance of our DIATECH Z-Rex burs for zirconia! This kit features a selection of shapes for endo access, crown cutting and crown adjustment.










					
Head shape	ZR801	ZR801	ZR850	ZR881	ZR379
ISO Ø 1/10 mm	014	018	016	016	023
Head L in mm			10	8	5

## 60022152 DIATECH Zirconia Adjustment & Polishing Kit



This kit contains everything that is needed for adjustment, prepolishing and high luster polishing of zirconia and other high performance ceramics.




			
Head shape	ZR379	ZR862	ZR863
ISO Ø 1/10 mm	023	014	014
Head L in mm	5	8	10




				
Head shape	9703RA	97SG14RA	9803RA	98SG14RA
ISO Ø 1/10 mm	040	140	040	140
Head L in mm	10	1.6	10	1.6

## 60022020 ShapeGuard Zirconia Polishing Plus Kit



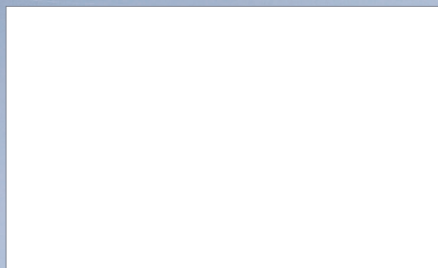
This kit offers a comprehensive selection of silicone polishers for prepolishing (green polishers) and high luster polishing (orange polishers) of zirconia restorations.

			
Head shape	9703RA	9711RA	97SG14RA
ISO Ø 1/10 mm	040	060	140
Head L in mm	10	7.5	1.6

			
Head shape	9803RA	9811RA	98SG14RA
ISO Ø 1/10 mm	040	060	140
Head L in mm	10	7.5	1.6



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**DIATECH**   
PREMIUM ROTARY INSTRUMENTS

 **COLTENE**