

Cavity Preparation Instruments

Excavators are used in the removal of carious dentin. Nordent offers a complete selection of "Spoon" and "Blade" Excavators in a wide range of blade widths and shank lengths for any application. All are made of high carbon stainless steel that is formed and precision ground by expert craftsmen, then hardened for the ultimate in sharp edge retention and durability.

Standard Shank Spoon Excavators have a terminal shank length of 6mm set at a 50° angle to the center line of the handle.

Excavators- Standard Shank Spoons



Spoon #1S 1.0mm diameter. This Excavator is also known as the #38-39.

Handle Selection CEEC1S REEC1S shown EEC1S EC1S



Spoon #1 1.2mm diameter. This Excavator is also known as the #17.

Handle Selection CEEC1 REEC1 EEC1 EC1



Spoon #2 1.6mm diameter. This Excavator is also known as the #18.

Handle Selection CEEC2 REEC2 EEC2 EC2



Spoon #3 2.0mm diameter. This Excavator is also known as the #19.

Handle Selection CEEC3 REEC3 EEC3 EC3



Spoon #4 2.4mm diameter. This Excavator is also known as the #20.

Handle Selection CEEC4 REEC4 EEC4 EC4



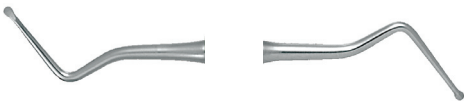
Long Shank Spoon Excavators have a terminal shank length of 10mm set at 53° to the center line of the handle.

Excavators- Long Shank Spoons



Spoon #11S 1.0mm diameter.

Handle Selection CEEC11S REEC11S shown EEC11S EC11S

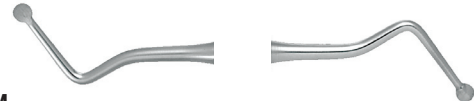


Spoon #11 1.2mm diameter.

Handle Selection CEEC11 REEC11 EEC11 EC11

Spoon #12 1.6mm diameter.

Handle Selection CEEC12 REEC12 EEC12 EC12



Spoon #13 2.0mm diameter.

Handle Selection CEEC13 REEC13 EEC13 EC13

Spoon #14 2.4mm diameter.

Handle Selection CEEC14 REEC14 EEC14 EC14

Cavity Preparation Instruments

Excavators - English Pattern Spoons



Spoon #125-126 2.5mm diameter and a terminal shank angle of 33°

Handle Selection

- ☉ CEEC125-126
- REEC125-126
- ⬡ EEC125-126
- EC125-126



Spoon #127-128 2.0mm diameter and a terminal shank angle of 33°

Handle Selection

- ☉ CEEC127-128
- REEC127-128
- ⬡ EEC127-128
- EC127-128



Spoon #129-130 1.7mm diameter and a terminal shank angle of 28°

Handle Selection

- ☉ CEEC129-130
- REEC129-130
- ⬡ EEC129-130
- EC129-130



Spoon #131-132 1.4mm diameter and a terminal shank angle of 28°

Handle Selection

- ☉ CEEC131-132
- REEC131-132
- ⬡ EEC131-132
- EC131-132



Spoon #133-134 0.9mm diameter and a terminal shank angle of 32°

Handle Selection

- ☉ CEEC133-134
- REEC133-134
- ⬡ EEC133-134
- EC133-134



Spoon #153-154 1.0mm diameter and a terminal shank angle of 38°

Handle Selection

- ☉ CEEC153-154
- REEC153-154
- ⬡ EEC153-154
- EC153-154



Spoon #155-156 0.9mm diameter and a terminal shank angle of 32°

Handle Selection

- ☉ CEEC155-156
- REEC155-156
- ⬡ EEC155-156
- EC155-156

Excavators - Blades

Blade Excavators have elongated blades with parallel sides and a rounded tip. Blades are set at an angle to the center line of the handle as indicated below.



Blade #15 Blade width 1.0mm / Length 6mm / Angle 55°

Handle Selection

- ☉ CEEC15
- REEC15
- ⬡ EEC15
- EC15



Blade #16 Blade width 1.2mm / Length 7mm / Angle 55°

Handle Selection

- ☉ CEEC16
- REEC16
- ⬡ EEC16
- EC16



Blade #17L Blade width 1.8mm / Length 8mm / Angle 47°

Handle Selection

- ☉ CEEC17L
- REEC17L
- ⬡ EEC17L
- EC17L

Cavity Preparation Instruments

Anterior Spoon Excavators have short terminal shanks and shank angles that are specifically designed for anterior access. The Spoon diameters are all 1.2mm.

Excavators- Anterior Spoons



Spoon #5 Terminal shank length is 4mm set at a 50° angle.

Handle Selection

- CEEC5
- REEC5
- EEC5
- EC5



Spoon #6 Terminal shank length is 3mm set at a 65° angle.

Handle Selection

- CEEC6
- REEC6
- EEC6
- EC6



Spoon #7 Terminal shank length is 3mm set at a 50° angle.

Handle Selection

- CEEC7
- REEC7
- EEC7
- EC7



Back Action Spoon #8 Terminal shank length is 3.5mm set at an 85° angle.

Handle Selection

- CEEC8
- REEC8
- EEC8
- EC8

Placement Instruments are used to deliver and place liner and base materials within the cavity preparation. The placement ball tip has a 0.8mm diameter.

Placement Instruments



Placement Instrument #1 Single end with a 6.5mm reach.

Handle Selection

- CECHP1
- RECHP1 shown
- CHP1



Placement Instrument #2 Single end with a 16mm reach.

Handle Selection

- CECHP2
- RECHP2 shown
- CHP2



Placement Instrument #3 Double end combination has short 6.5mm reach and long 16mm reach tips. Also known as "PICH" Placement Instrument.

Handle Selection

- CECHP3
- RECHP3 shown
- ECHP3
- CHP3



Placement Instrument #4 Combines a short 6.5mm reach placement tip with a very thin and flexible mixing spatula. The spatula width tapers from 6mm to 4.5mm at the tip and is 20mm in length. This is a very convenient combination.

Handle Selection

- CECHP4
- RECHP4 shown
- ECHP4
- CHP4



Placement Instrument #5 Combines a long 16mm reach placement tip with a very thin and flexible mixing spatula. The spatula width tapers from 6mm to 4.5mm at the tip and is 20mm in length. This is a very convenient combination.

Handle Selection

- CECHP5
- RECHP5 shown
- ECHP5
- CHP5

Cavity Preparation Instruments

Margin Trimmers

The instruments on this page are used to smooth and refine the cavity preparation. Each is produced according to the specific Black's Formula [shown in brackets] for each instrument.



#26 [13-95-8-14]

Handle Selection ● MT26



#27 [13-80-8-14]

Handle Selection ● MT27



#28 [10-95-7-14]

Handle Selection ● MT28



#29 [10-80-7-14]

Handle Selection ● MT29



#77-78 [15-95-8-12]

Handle Selection ● MT77-78

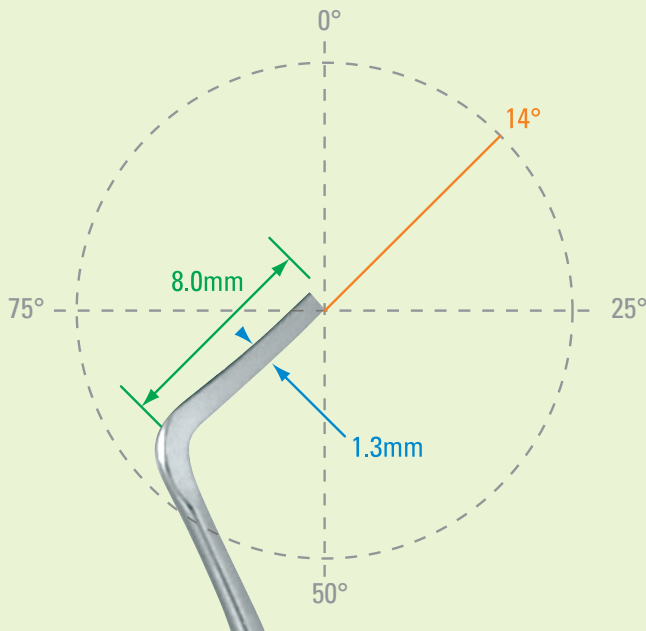


#79-80 [15-80-8-12]

Handle Selection ● MT79-80

Black's Formula

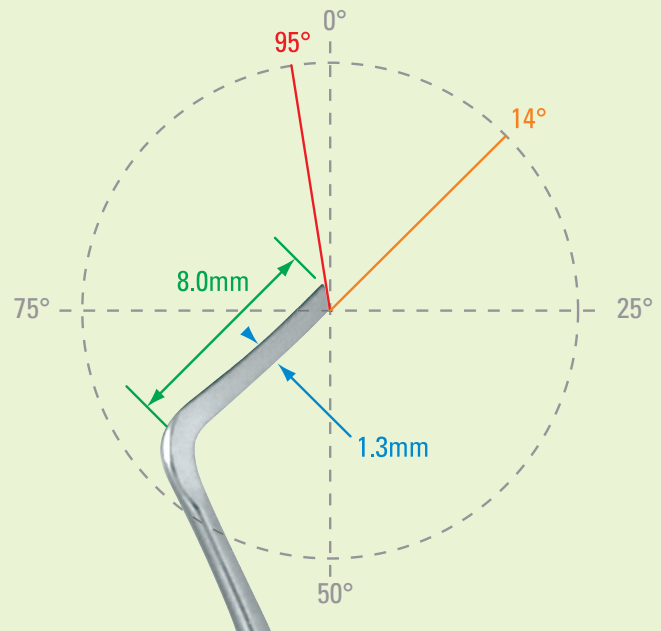
Dr. G. V. Black evolved an instrument formula by which instruments could be readily duplicated anywhere, as detailed in the charts below. Black's Formula became the acceptable method of standardization for cavity preparation instruments and continues to be used by dental schools world-wide. You will find the Black's Formula in [brackets] for the cavity preparation instruments on the next page.



3 Number Formula

example: [13-8-14]

- The first number represents the width of the blade in tenths of a millimeter
- The second number represents the length of the blade
- The third number represents the angle of the blade in a 100° circle



4 Number Formula

example: [13-95-8-14]

- The first number represents the width of the blade in tenths of a millimeter
- The second number represents the angle of the cutting edge in a 100° circle
- The third number represents the length of the blade
- The fourth number represents the angle of the blade in a 100° circle

Cavity Preparation Instruments



#1-2 [20-15-3]

Handle Selection ● MT1-2



#3-4 [11-15-3]

Handle Selection ● MT3-4



#5-6 [15-15-3]

Handle Selection ● MT5-6

Angle Former



#34-35 [7-80-2.5-9]

Handle Selection ● MT34-35



#11-12 [15-8-8]

Handle Selection ● MT11-12



#8-9 [20-9-8]

Handle Selection ● MT8-9



#40-41 [18-10-16]

Handle Selection ● MT40-41



#13-14 [20-9-14]

Handle Selection ● MT13-14



#15-16 [15-8-14]

Handle Selection ● MT15-16



#17-18 [10-6-14]

Handle Selection ● MT17-18

Hatchets