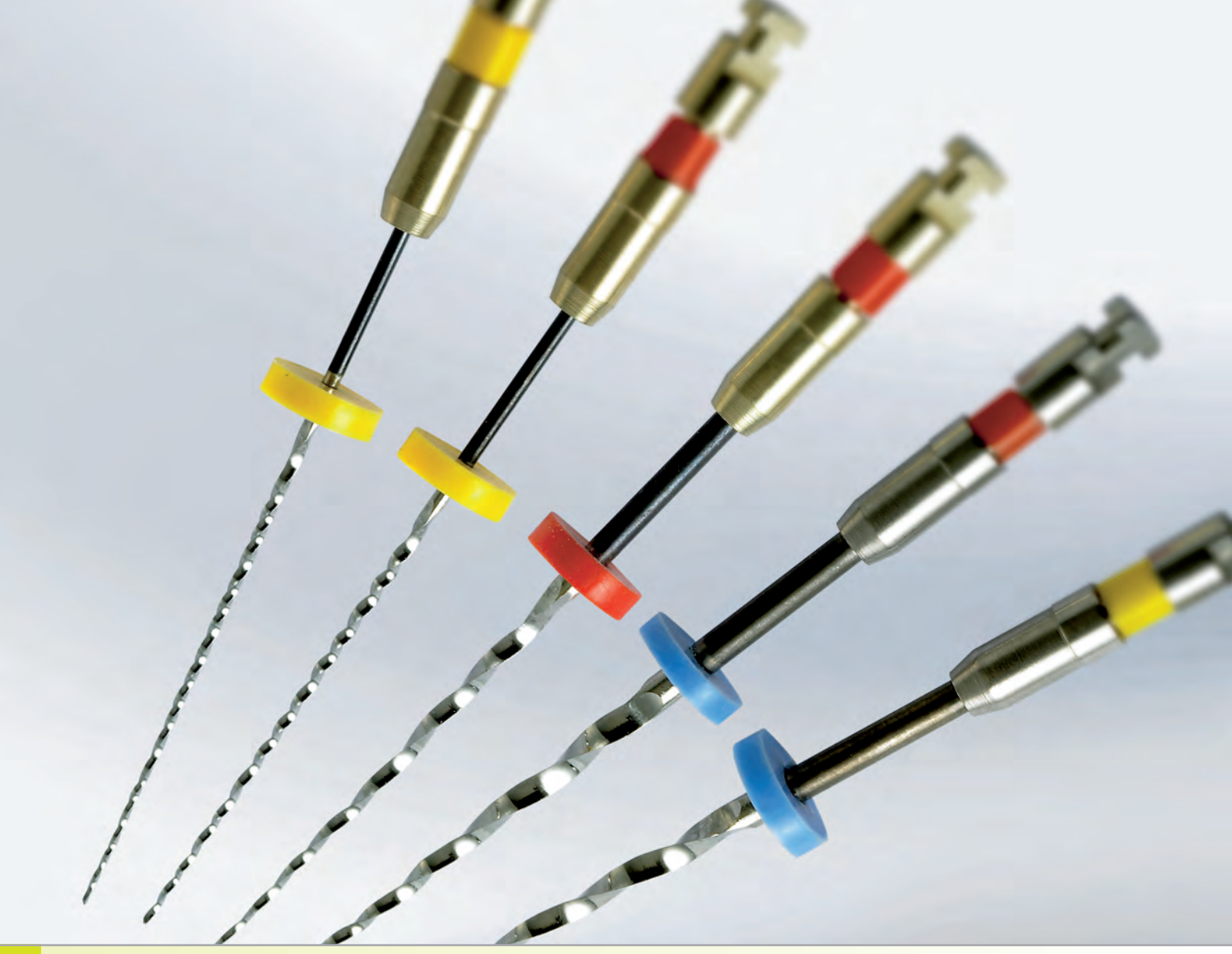


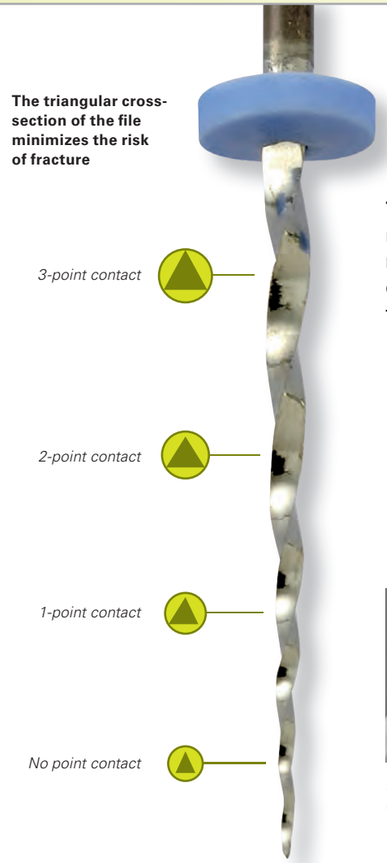
EndoWave – enhanced safety for root canal preparation

J.MORITA EUROPE

Thinking ahead. Focused on life.

MORITA

Features that make a difference



The main reason for choosing the EndoWave nickel-titanium file system is that it meets the need for increased efficiency and improved quality in root canal preparation. The files are made from a flexible alloy which permits them to follow different canal shapes. This reduces the risk of root canal aberration and ensures that even curved canals are safely prepared.

Safety tip for greater efficiency and safety

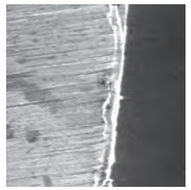
EndoWave nickel-titanium files meet all the requirements for root canal preparation
EndoWave files combine proven properties and new features. The result is that they not only facilitate preparation, they also provide the high standard of safety required by the operator.

Anti-screwing design
The unique "continuous wave design" of the files ensures that the files do not screw into or jam in the root canal. This wave design prevents the files being automatically drawn into the root canal, so preparation is much safer. The design also greatly reduces the amount of force the operator has to apply.

Unique safety tip
EndoWave files have a rounded tip that ensures maximum safety even when preparing the apical section of the root. The safety tip smoothly follows the contour of the canal, ensuring perfect preparation. No steps are created even in narrow and severely curved canals.

Optimum cutting edges
The triangular design of the files produces sharp cutting edges, which excavate the root canal quickly and efficiently. This means that preparation requires less time and fewer instruments.

Extremely smooth surface texture
The files are specially conditioned electrochemically before they are finished to produce a surface that is not only exceptionally smooth but also harder than that of conventional NiTi files. The higher torsion resistance and metal fatigue resistance produced by conditioning increase the overall resilience and durability of the instruments. The advantage of this is that files can be operated at a higher speed.



File surface before and after electrochemical surface conditioning

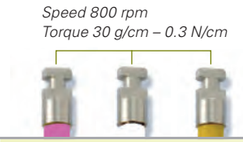
Advantages of EndoWave files

- Five files for preparation
- No step formation in narrow and curved canals
- The tips follow the canal contour perfectly and prevent canal straightening
- Risk of instrument fracture minimized
- Quick, safe preparation with higher rpm

Application of the EndoWave system
The EndoWave file system is based on the crowndown technique and is optimally designed for root canal preparation with five files that vary in diameter, length and taper.

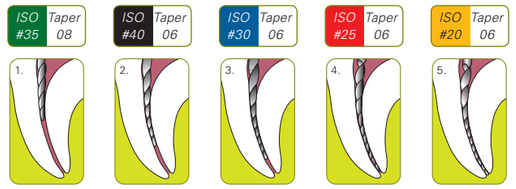
With the basic procedure Kits A+ and B+, the operator can optimally prepare individual shapes of root canal. Kit A+ is more suitable for preparing normal root canals, while Kit B+ is more suitable for preparing narrow and severely curved canals. Only five files are required for preparation in a straightforward sequence. A set of five files with the required taper can also be ordered separately, if necessary.

Perfect root canal preparation with a handpiece
The EndoWave file system is optimally designed for use with the J. Morita DentaPort ZX. The Root ZX and Tri Auto ZX modules provide the operator with a safe method of preparing root canals with a handpiece and simultaneously endometric measurement.



A+

Crown-down technique with procedure Kit A+ for normal root canals



File #35/08 for preparing the site in the crown to the middle of the root canal

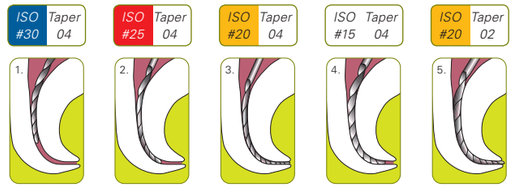
Then use file #40/06, #30/06 followed by file #25/06 down to a depth of 2 – 3 mm before the area to be treated

Use file #20/06 on the apical foramen

6. The preparation can then proceed to create the desired size along the entire working surface

B+

Crown-down technique with procedure Kit B+ for severely curved and narrow root canals



Use file #30/04 to prepare the site in the crown to the middle of the root canal

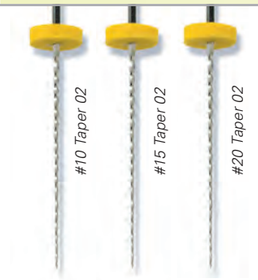
Use file #25/04 or #20/04 to prepare the canal to the apical third. In some canals the whole working distance can already be achieved at this point

File #15/04 should extend through the entire working distance. Otherwise, the manual preparation must be improved

Use file #20/02 on the apical foramen

6. Then enlarge using files of increasing size #20/06 and #25/06

EndoWave MGP "Mechanical Glide Path" Kit
NiTi files for mechanically enlarging canal access



Complete endodontic treat-ment module DentaPort ZX: low speed endodontic handpiece with built-in Apex Locator

MGP

Greater safety during root canal preparation!

At the start of preparation the enlargement of the coronal canal section, i.e., the creation of an access which is as straight as possible to reduce friction of the subsequent preparation instruments.

With the new EndoWave MGP files it is also easy to prepare and enlarge the area in the crown with a handpiece. The enlargement of the crown canal sections also allows effective cleaning and disinfection since the effective volume and circulation of rinsing liquid is increased.

The instruments can operate at a speed of 800 rpm.

EndoWave NiTi files

The stainless steel Endobox ZX with a Teflon insert provides sufficient space for sterile storage of eight EndoWave NiTi files. A sterimeter is included in the steribox for checking the sterility and there is a gauge for setting the working length

Procedure Kit A+ for normal root canals

Taper	ISO	Working length	Order no.
06	20	25 mm	6820-225
06	25	25 mm	
06	30	25 mm	
06	40	25 mm	
08	35	19 mm	
06	20	31 mm	6820-231
06	25	31 mm	
06	30	31 mm	
06	40	31 mm	
08	35	19 mm	

Procedure Kit Kit B+ for severely curved and narrow root canals

Taper	ISO	Working length	Oder no.
02	20	25 mm	6820-325
04	15	25 mm	
04	20	25 mm	
04	25	25 mm	
04	30	25 mm	
02	20	31 mm	6820-331
04	15	31 mm	
04	20	31 mm	
04	25	31 mm	
04	30	31 mm	

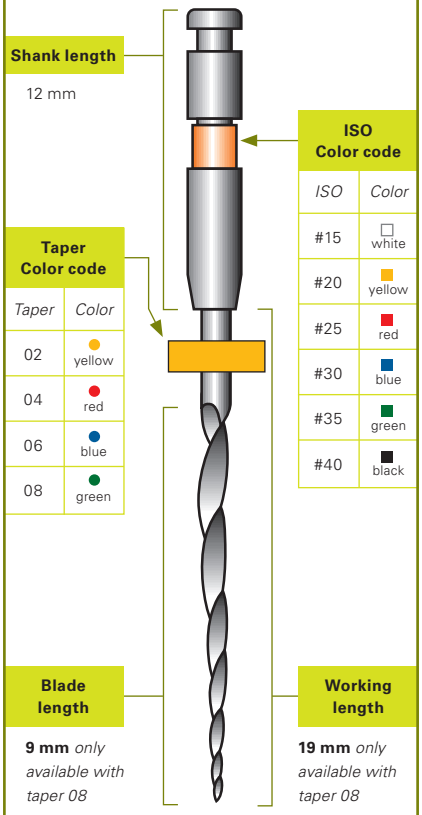
MGP "Mechanical Glide Path" Kit

Taper	ISO	Working lenght	Order no.
02	10	25 mm	6820-002
02	15	25 mm	
02	20	25 mm	

Refills (five files per taper)

Taper	ISO	Working length	Order no.
02	10	25 mm	6825-210
02	15	21 mm	6821-215
02	15	25 mm	6825-215
02	20	21 mm	6821-220
02	20	25 mm	6825-220
02	20	31 mm	6831-220
02	25	21 mm	6821-225
02	25	25 mm	6825-225
02	25	31 mm	6831-225
04	15	25 mm	6825-415
04	15	31 mm	6831-415
04	20	25 mm	6825-420
04	20	31 mm	6831-420
04	25	21 mm	6821-425
04	25	25 mm	6825-425
04	25	31 mm	6831-425
04	30	25 mm	6825-430
04	30	31 mm	6831-430
06	20	21 mm	6821-620
06	20	25 mm	6825-620
06	20	31 mm	6831-620
06	25	21 mm	6821-625
06	25	25 mm	6825-625
06	25	31 mm	6831-625
06	30	21 mm	6821-630
06	30	25 mm	6825-630
06	30	31 mm	6831-630
06	40	25 mm	6825-640
06	40	31 mm	6831-640
08	35	19 mm	6819-835

Color codes and lengths of files



EndoWave Gel is an EDTAGel designed to ease the gliding of NiTi files in the root canal. The instruments glide along surfaces especially well and can be smoothly moved inside the canal. The moderate foaming of the gel during use makes canal cleaning even easier

MORITA

J. Morita Europe GmbH
Justus-von-Liebig-Str. 27a
63128 Dietzenbach – Germany

Phone: +49 (60 74) 8 36-0
Fax: +49 (60 74) 8 36-299

info@jmoritaeurope.com
www.jmoritaeurope.com