

Integra® Miltex®

Endodontic Files

Limit uncertainty with
the brand you trust

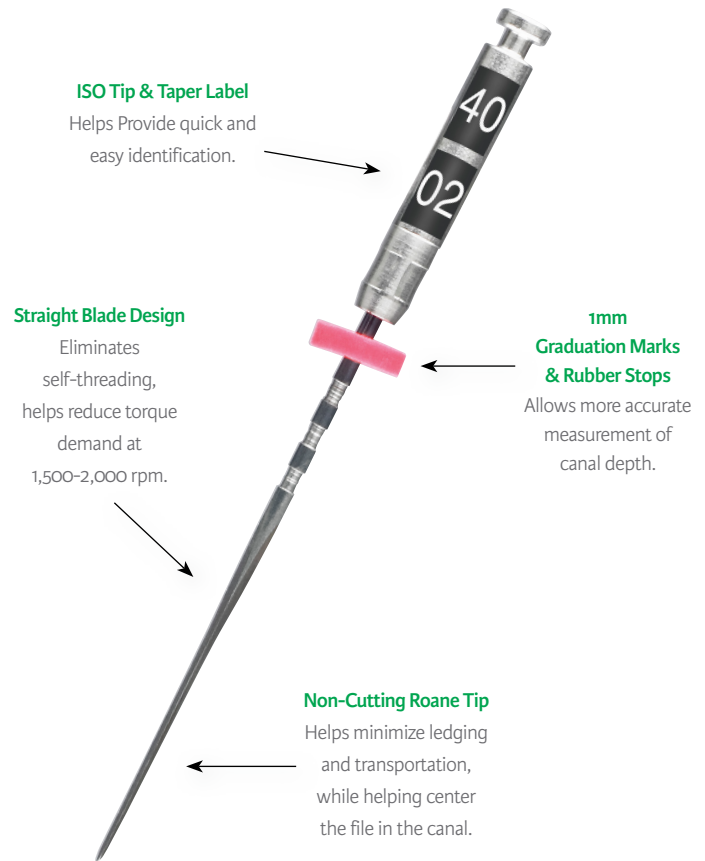


INTEGRA®
LIMIT UNCERTAINTY

Liberator® Niti Rotary Files

The Rotary File that Will Not Self-Thread

Liberator® rotary nickel-titanium endodontic files are the result of years of research and development as well as feedback from leading clinicians in the field of endodontics. The files incorporate a straight blade design and manufacturing process that helps to eliminate the traditional helical flutes found on virtually all rotary endodontic files. The result is that Liberator files will not self-thread into a canal. Self-threading is a major contributor to file separation.



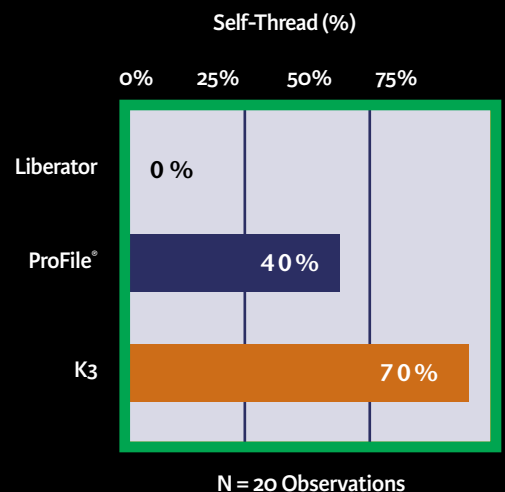
Feel the Safety and Control

The patented design of the non-cutting Roane tip helps minimize ledging and transportation while helping to keep the Liberator file centered in the canal.

Liberator files are designed with straight blades that will not self-thread, unlike helically-fluted files. As proof, a controlled study measured the self-threading rate of Liberator files compared to competitive rotary files as shown in chart at right.



"Roane Tip"
Rounded tip



Faster, Easier To Use

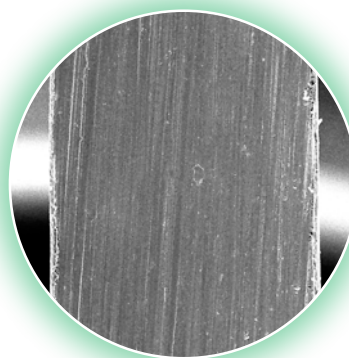
Liberator files rotating at 1,000-2,000 RPM cut dentin faster than conventional rotary files rotating at 300 RPM. This higher speed also provides tactile feel in canals.

See The Difference

The manufacturing process for most conventional helical files leaves micro-cracks that are perpendicular to the file axis. These cracks have been shown to contribute to file separation. The manufacturing process for Liberator files helps eliminate these perpendicular micro-cracks. The process also helps reduce surface hardening caused by elevated temperatures.



Micro-Cracks on Separated Instrument



Liberator
Straight Flute



Experience Quick And Easy Retreatment

Gutta percha points and most other obturation materials are removed using Liberator files.

Apical Shaping Files

.02 Taper - 6 files per package

Reference - 21mm	Reference - 25mm	Tip
012-28001	012-28015	15
012-28002	012-28016	20
012-28003	012-28017	25
012-28004	012-28018	30
012-28005	012-28019	35
012-28006	012-28020	40
012-28007	012-28021	15-40
012-28008	012-28022	45
012-28009	012-28023	50
012-28010	012-28024	55
012-28011	012-28025	60
N/A	012-28026	70
012-28013	012-28027	80
012-28014	012-28028	45-80

.04 Taper - 6 files per package

Reference - 21mm	Reference - 25mm	Tip
012-28101	012-28112	15
012-28102	012-28113	20
012-28103	012-28114	25
012-28104	012-28115	30
012-28105	012-28116	35
012-28106	012-28117	40
012-28107	012-28118	15-40
012-28108	012-28119	45
012-28109	N/A	50
012-28110	N/A	60
012-28111	N/A	70

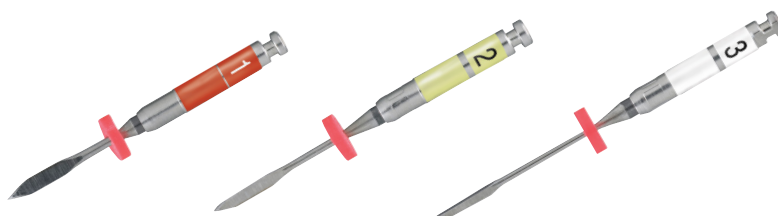
.06 Taper - 6 files per package

Reference - 21mm	Reference - 25mm	Tip
012-28201	012-28212	15
012-28202	012-28213	20
012-28203	012-28214	25
012-28204	012-28215	30
012-28205	012-28216	35
012-28206	012-28217	40
012-28207	012-28218	15-40
012-28208	012-28219	45
012-28209	N/A	50
012-28210	N/A	60
012-28211	N/A	70

Gates Glidden Drills

Reference	Tip	Taper	Length
012-28401	118 (RGG #1)	.08	12mm
012-28402	94 (RGG #2)	.08	15mm
012-28403	70 (RGG #3)	.08	18mm
012-28405	70-118	.08	Assorted

6 per package



Hi-5® File (stainless steel file)

Hi-5® files are designed with helically ground flutes. They feature a strong and stiff pentagonal cross section which helps penetration in small or calcified canals. Made from quality stainless steel, Hi-5 files help provide strength and help ensure that proper cleaning and shaping can be accomplished.

Features

- Made from quality stainless steel
- Stiff pentagonal cross section
- Handles are ISO color coded and printed with the ISO file tip size
- Available in a variety of sizes and lengths

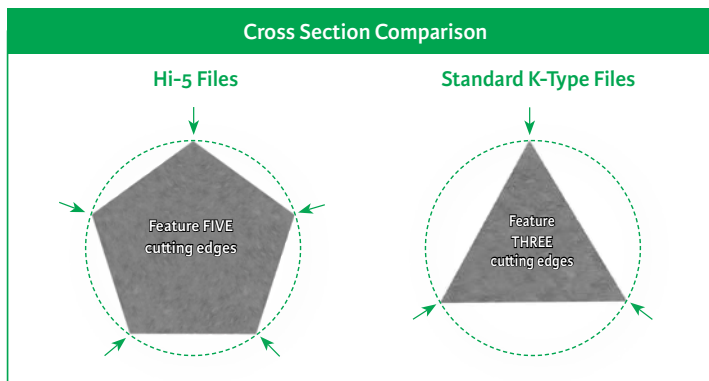
Benefits

- Helps ensure strength and quality of product
- Resilient and effective cutting instruments
- Helps allow for easier identification of file

Stainless Steel - 6 per pack

Reference - 21mm	Reference - 25mm	Standardized Instrument Size
012-26001	012-26005	6
012-26002	012-26006	8
012-26003	012-26007	10
012-26004	012-26008	15
012-26009	012-26010	06-15*

* Assorted



FACT

With the same diameter and more material, Miltex Hi-5 Files are 83% stronger than K-Type Files of the same size.

Hedstrom Files (stainless steel file)

Hedstrom files have excellent cutting efficiency using a push and pull stroke.

Features

- Handles are ISO color coded and printed with the ISO file tip size
- Available in a variety of sizes, lengths and rubber stop configurations

Benefits

- Help allow for easy identification of file
- Help meet the needs of dental professionals

Stainless Steel (.02 taper) - 6 per pack

Reference - 21mm	Reference - 25mm	Standardized Instrument Size
DHF21/10	DHF25/10	10
DHF21/15	DHF25/15	15
DHF21/20	DHF25/20	20
DHF21/25	DHF25/25	25
DHF21/30	DHF25/30	30
DHF21/35	DHF25/35	35
DHF21/40	DHF25/40	40
-	DHF25/45	45
-	DHF25/50	50
-	DHF25/55	55
-	DHF25/60	60
-	DHF25/70	70
-	DHF25/80	80
DHF21/15-40	DHF25/15-40	15-40*
-	DHF25/45-80	45-80

* Assorted



Union Broach® Sharpie® Hedstrom Files (stainless steel file)

Sharpie® Hedstrom files are designed for teeth with irregular walls or removing instruments from a canal (i.e. separated files). These files are more aggressive than reamers or “K” type files.

Features

- Made from stainless steel
- Handles are ISO color coded and printed with the ISO file tip size
- Available in a variety of sizes and lengths

Benefits

- Helps ensure strength and quality of product
- Allows for easier identification of file
- Meets the needs of most dental professionals

Stainless Steel - 6 per pack (.02 taper)

Reference 21mm	Reference 21mm w/Stops	Reference 25mm	Reference 25mm w/Stops	Reference 31mm	Standardized Instrument Size
O12-11000	O12-S1000	O12-11059	O12-S1059	O12-11179	10
O12-11001	O12-S1001	O12-11060	O12-S1060	O12-11180	15
O12-11002	O12-S1002	O12-11061	O12-S1061	O12-11181	20
O12-11003	O12-S1003	O12-11062	O12-S1062	O12-11182	25
O12-11004	O12-S1004	O12-11063	O12-S1063	O12-11183	30
O12-11005	O12-S1005	O12-11064	O12-S1064	O12-11184	35
O12-11006	O12-S1006	O12-11065	O12-S1065	O12-11185	40
O12-11008	O12-S1008	O12-11067	O12-S1067	O12-11187	45
O12-11009	O12-S1009	O12-11068	-	O12-11188	50
O12-11010	-	O12-11069	-	O12-11189	55
O12-11011	-	O12-11070	-	O12-11190	60
O12-11012	-	O12-11071	-	O12-11191	70
O12-11013	-	O12-11072	-	O12-11192	80
O12-11015	-	O12-11074	-	O12-11194	90
-	-	O12-11075	-	O12-11195	100
-	-	O12-11076	-	O12-11196	110
O12-11007	O12-S1007	O12-11066	O12S1066	O12-11186	15-40*
O12-11014	-	O12-11073	-	O12-11193	45-80*
-	-	-	-	O12-11197	90-110*

* Assorted



Union Broach® Onyx-H™ Files (Nickel Titanium Hedstrom Files)

Onyx-H™ files are made from nickel titanium which allows the files to be more flexible in tightly curved canals.

Features

- Handles are ISO color coded and printed with the ISO file tip size
- Available in a variety of sizes, lengths and rubber stop configurations

Benefits

- Allows for easier identification of file
- Meets the needs of most dental professionals

Nickel Titanium - 6 per pack (.02 taper)

Reference 21mm No.	Reference 25mm No.	Standard Instrument Size
O12-15080	O12-15100	15
O12-15081	O12-15101	20
O12-15082	O12-15102	25
O12-15083	O12-15103	30
O12-15084	O12-15104	35
O12-15085	O12-15105	40
O12-15086	O12-15106	15-40*
-	O12-15113	45-80*

* Assorted



Union Broach® Flex-R® Files - Flexible Roane Tip (stainless steel file)

Flex-R® files are our most popular Union Broach® endodontic hand file. They are designed with a non-cutting “Roane” tip, which was designed by Dr. James Roane. Made from high quality stainless steel, the Flex-R file ensures the most comprehensive cleaning and shaping of the root canal.

Features

- Made from stainless steel
- Non-cutting Roane tip
- Handles are ISO color coded and printed with the ISO file tip size
- Available in a variety of sizes, lengths and rubber stop configurations

Benefits

- Helps ensure strength and quality of product
- Reduces chance of file ledging or transportation from occurring
- Allows for easier identification of file
- Meets the needs of most dental professionals

Stainless Steel (.02 taper) - 6 per pack

Reference 21mm	Reference 21 mm w/Stops	Reference 25mm	Reference 25mm w/Stops	Reference 31mm	Reference 31mm w/Stops	Standardized Instrument Size
012-14002	012-S4002	012-14061	012-S4061	012-14181	012-S4181	8
012-14003	012-S4003	012-14062	012-S4062	012-14182	012-S4182	10
012-14004	012-S4004	012-14063	012-S4063	012-14183	012-S4183	15
012-14005	012-S4005	012-14064	012-S4064	012-14184	012-S4184	20
012-14006	012-S4006	012-14065	012-S4065	012-14185	012-S4185	25
012-14007	012-S4007	012-14066	012-S4066	012-14186	-	30
012-14008	012-S4008	012-14067	012-S4067	012-14187	-	35
012-14009	012-S4009	012-14068	012-S4068	012-14188	012-S4188	40
012-14011	012-S4011	012-14070	012-S4070	012-14190	012-S4190	45
012-14012	012-S14012	012-14071	012-S4071	012-14191	012-S4191	50
012-14013	012-S14013	012-14072	012-S4072	012-14192	012-S4192	55
012-14014	012-S14014	012-14073	012-S4073	012-14193	012-S4193	60
012-14015	012-S14015	012-14074	012-S4074	012-14194	012-S4194	70
012-14016	-	012-14075	012-S4075	012-14195	012-S4195	80
-	-	012-14077	012-S4077	012-14197	012-S4197	90
-	-	012-14078	-	012-14198	-	100
-	-	012-14079	-	012-14199	-	110
-	-	012-14081	-	012-14201	-	120
-	-	012-14082	-	012-14202	-	130
-	-	012-14083	-	012-14203	-	140
012-14010	012-S4010	012-14069	012-S4069	012-14189	012-S4189	15-40*
012-14017	012-S4017	012-14076	012-S4076	012-14196	012-S4196	45-80*
-	-	012-14080	-	012-14200	-	90-110*
-	-	-	-	012-14204	-	120-140*
-	-	-	-	012-14205	-	90-140*

* Assorted



Union Broach® Onyx-R® Files (Nickel Titanium)

Onyx-R® files are made from nickel titanium which allows the files to be more flexible in tightly curved canals. Onyx-R files also feature a non-cutting “Roane” tip, which helps reduce the risk of ledging and transportation.

Features

- Nickel Titanium is known to be more flexible
- Non-cutting Roane tip
- Handles are ISO color coded and printed with the ISO file tip size
- Available in a variety of sizes, lengths and rubber stop configurations

Benefits

- Pre-bending files is not necessary; designed to follow the existing canal path
- Reduces chance of file ledging or transportation from occurring
- Allows for easier identification of file
- Meets the needs of most dental professionals

Nickel Titanium - 6 per pack (.02 taper)

Reference 21mm No.	Reference 21mm w/Stops	Reference 25mm No.	Reference 25mm w/Stops	Standard Instrument Size
O12-15001	-	O12-15061	O12-S5061	15
O12-15002	-	O12-15062	O12-S5062	20
O12-15003	-	O12-15063	O12-S5063	25
O12-15004	-	O12-15064	O12-S5064	30
O12-15005	O12-S5005	O12-15065	O12-S5065	35
O12-15006	O12-S5006	O12-15066	O12-S5066	40
O12-15008	O12-S5008	O12-15068	O12-S5068	45
O12-15009	-	O12-15069	-	50
O12-15010	-	O12-15070	-	55
O12-15011	-	O12-15071	-	60
O12-15012	-	O12-15072	-	70
O12-15013	-	O12-15073	-	80
O12-15007	O12-S5007	O12-15067	O12-S5067	15-40*
O12-15014	O12-S5014	O12-15074	O12-S5074	45-80*

* Assorted



Union Broach® Mor-Flex® Files (stainless steel file)

Mor-Flex® files are “K” type files with a cutting tip design. The files allow for comprehensive cleaning and shaping of the canal. The flat end of the handle may also be used as a radiographic landmark on X-rays. The files are manufactured from high quality stainless steel that ensures material strength of the file.

Features

- Manufactured from stainless steel
- Cutting tip
- Handles are ISO color coded and printed with the ISO file tip size
- Available in a variety of sizes and lengths

Benefits

- Helps ensure strength and quality of product
- Allows the file to be more aggressive at removing material from the canal
- Allows for easier identification of file
- Meets the needs of most dental professionals

Stainless steel (.02 taper) - 6 per pack

Reference 21mm No.	Reference 21mm w/Stops No.	Reference 25mm No.	Reference 25mm w/ Stops No.	Reference 31mm No.	Reference 31mm w/Stops No.	Standardized Instrument Size
O12-10001	O12-S0001	O12-10060	O12-S0060	O12-10180	O12-S0180	6
O12-10002	O12-S0002	O12-10061	O12-S0061	O12-10181	O12-S0181	8
O12-10003	O12-S0003	O12-10062	O12-S0062	O12-10182	O12-S0182	10
O12-10004	O12-S0004	O12-10063	O12-S0063	O12-10183	O12-S0183	15
O12-10005	O12-S0005	O12-10064	O12-S0064	O12-10184	O12-S0184	20
O12-10006	O12-S0006	O12-10065	O12-S0065	O12-10185	-	25
O12-10007	O12-S0007	O12-10066	O12-S0066	O12-10186	-	30
O12-10008	O12-S0008	O12-10067	O12-S0067	O12-10187	-	35
O12-10009	O12-S0009	O12-10068	O12-S0068	O12-10188	-	40
O12-10011	-	O12-10070	O12-S0070	O12-10190	-	45
O12-10012	-	O12-10071	O12-S0071	O12-10191	-	50
O12-10013	-	O12-10072	O12-S0072	O12-10192	-	55
O12-10014	-	O12-10073	-	O12-10193	-	60
O12-10015	-	O12-10074	-	O12-10194	-	70
O12-10016	-	O12-10075	-	O12-10195	-	80
-	-	O12-10077	-	O12-10197	-	90
-	-	O12-10078	-	O12-10198	-	100
-	-	O12-10079	-	O12-10199	-	110
-	-	-	-	O12-10201	-	120
-	-	-	-	O12-10202	-	130
-	-	-	-	O12-10203	-	140
O12-10010	O12-S0010	O12-10069	O12-S0069	O12-10189	O12-S0189	15-40*
O12-10017	-	O12-10076	O12-S0076	O12-10196	O12-S0196	45-80*
-	-	O12-10080	-	O12-10200	-	90-110*
-	-	-	-	O12-10205	-	90-140*
-	-	-	-	O12-10204	-	120-140*

* Assorted



K Files (stainless steel file)

K-files have a large helix angle which increases the cutting efficiency in the linear filing action as opposed to a reaming action.

Features

- Handles are ISO color coded and printed with the ISO file tip size
- Available in a variety of sizes, lengths and rubber stop configurations

Benefits

- Allows for easier identification of file
- Meets the needs of most dental professionals

Stainless Steel (.02 taper) - 6 per pack

Reference 21mm	Reference 25mm	Reference 31mm	Standardized Instrument Size
DKF21/06	DKF25/06	DKF31/06	6
DKF21/08	DKF25/08	DKF31/08	8
DKF21/10	DKF25/10	DKF31/10	10
DKF21/15	DKF25/15	DKF31/15	15
DKF21/20	DKF25/20	DKF31/20	20
DKF21/25	DKF25/25	DKF31/25	25
DKF21/30	DKF25/30	DKF31/30	30
DKF21/35	DKF25/35	DKF31/35	35
DKF21/40	DKF25/40	DKF31/40	40
DKF21/45	DKF25/45	DKF31/45	45
DKF21/50	DKF25/50	DKF31/50	50
DKF21/55	DKF25/55	DKF31/55	55
DKF21/60	DKF25/60	DKF31/60	60
DKF21/70	DKF25/70	-	70
DKF21/80	DKF25/80	-	80
DKF21/15-40	DKF25/15-40	DKF31/15-40	15-40*
DKF21/45-80	DKF25/45-80	DKF31/45-80	45-80*

* Assorted



Availability of these products might vary from a given country or region to another, as a result of specific local regulatory approval or clearance requirements for sale in such country or region.

- Non contractual document. The manufacturer reserves the right, without prior notice, to modify the products in order to improve their quality.
- Warning: Applicable laws restrict these products to sale by or on the order of a physician.
- Consult product labels and inserts for any indication, contraindications, hazards, warnings, precautions, and instructions for use.

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