

DECLARATION OF NOLAN KNIGHT

I, Nolan Knight, affirm and declare as follows:

1. I am the Engineering Manager at Knight Mechanical Testing, LLC (“KMT”), an ISO/IEC 17025:2005 accredited independent mechanical testing laboratory located in Fort Wayne, Indiana.
2. Rothwell, Figg, Ernst & Manbeck P.C. retained KMT to conduct mechanical stiffness testing (also known as bend testing) on samples of endodontic files in accordance with ISO 3630-1.
3. I oversaw that testing and prepared a report that summarizes the test materials, test methodology, testing equipment, and the test results. A copy of that report is attached to this declaration as Exhibit A.
4. The testing described in Exhibit A was conducted in a laboratory at KMT at room temperature of approximately 21.5°C.
5. The information contained in the report attached as Exhibit A is true and correct. The report attached as Exhibit A was prepared in the course of the regularly conducted business of KMT, at the time the testing was conducted, based on my personal knowledge.

I declare under penalty of perjury that the following is true and correct.

Executed on November 2, 2015

A handwritten signature in black ink that reads "Nolan Knight". The signature is written in a cursive style with a horizontal line underneath it.

Nolan Knight

Exhibit A



Title:	692RFE EdgeEndo EdgeFile ISO 3630-1 Section 7.5 Stiffness Testing Final Report
Final Report Date:	6/11/2014
Revision Level:	Initial
Revision Date:	6/11/2014
KMT Report Number:	TR692-001
Customer:	Jason M. Nolan, Ph.D. Rothwell, Figg, Ernst & Manbeck 607 14th Street, NW, Suite 800 Washington, DC 20005
KMT Project Number:	692RFE1666

Subject

EdgeEndo EdgeFile Endodontic Files:

- X1-25.06 Heat Treated Fire Wire NiTi Reciprocating File, Reorder #: X1250625RF
- X3-N2 Heat Treated Fire Wire NiTi Rotary File, Reorder #: X3170425RF
- X5-40.04 Heat Treated Fire Wire NiTi Rotary File, Reorder #: X5400425RF
- X7-35.06 Heat Treated Fire Wire NiTi Rotary File, Reorder #: X7350625RF
- XR-R4 Rotary Retreatment File, Reorder #: XRR4250423

Objective

Perform ISO 3630-1 Section 7.5 Stiffness testing on the endodontic files.

Background

KMT Quotation Number:	000-1398
Test Method/Protocol:	ISO 3630-1:2008(E) Section 7.5 Stiffness
Test Material Provided by:	Rothwell, Figg, Ernst & Manbeck

Test Method	KMT Project Number	KMT Load Frame (s)	Test Start Date	Test Completion Date
ISO 3630-1 Section 7.5 Stiffness	692RFE1666	LF 16	5/30/2014	6/2/2014

Table 1: Background summary table

Test Material

Test Material

Description	Reorder #	Lot	Quantity
X1-25.06 Heat Treated Fire Wire NiTi Reciprocating File	X1250625RF	022714014	3
X3-N2 Heat Treated Fire Wire NiTi Rotary File	X3170425RF	020614010	3
X5-40.04 Heat Treated Fire Wire NiTi Rotary File	X5400425RF	060313013	3
X7-35.06 Heat Treated Fire Wire NiTi Rotary File	X7350625RF	031014023	3
XR-R4 Rotary Retreatment File	XRR4250423	022714092	3

Table 2: Test Material

Test Equipment

Test Equipment

Description	Serial Number	Capacity	Last Calibrated	Next Calibration	
KMT LF 16	MTS Model 359.02 load frame	1027931	25 kN	--	--
	Model TFF425 Reaction Torque Cell	548288	160 in-ozf	5/16/2014	5/31/2015
	Trans-Tek Angular Displacement Transducer, Model 0605-0001	K-11	±140 deg	1/24/2014	1/31/2015
KMT CTL 01	MTS Model 493.10 FlexTest GT Controller	02022807A	--	--	--
KMT CNTR 10	Omega CSC32 Temperature Controller	558577020176	--	12/16/2013	12/31/2014
KMT TP 10	Omega Type K thermocouple probe TJ36-CASS-18U-6	--	--	2/28/2014	2/28/2015
KMT MT 03	Mitutoyo Beveled Protractor	090051	--	12/16/2013	12/31/2014

Table 3: Test Equipment

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