

## TIP EVALUATION

1ST 3mm

SIZE .....	25/04	
FLUTES .....	3	
SPIRALS PER 16MM .....	2.4	
HELIX ANGLE .....	8.3°	●
CUTTING ANGLE .....	(-) 35°	●
DEBRIS REMOVING AREA .....	52%	●
X-SEC. AS % OF CUTTING DIA. ....	32%	
CORE AS % OF X-SEC. AREA .....	67%	
ROTATION TO FAILURE .....	860°	
PEAK TORQUE AT FAILURE .....	1.93 gf/cm	
60° DEFLECTION .....	3.97 g	
PLASTIC DEFORMATION .....	0°	

## HYFLEX CM<sup>®</sup>

COMPANY:  
COLTENE

MANUFACTURER:  
D&S DENTAL

MADE IN:  
USA

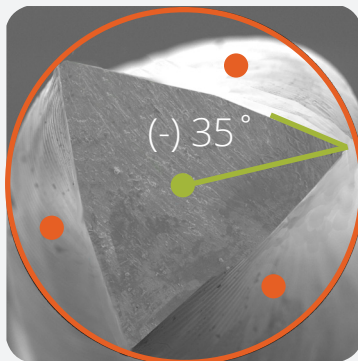
WEBSITE:  
HYFLEXCM.COM

## SEM IMAGES

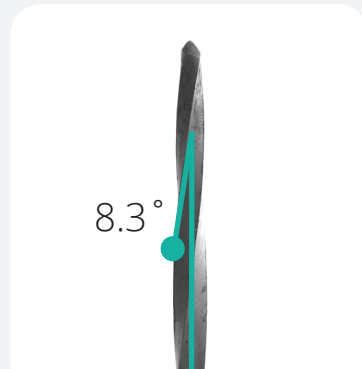
COURTESY OF UT MEMPHIS



TIP



TIP X-SECTION



## DISCUSSION:

- The Hyflex is heat-treated. The result is a very flexible file with little memory. However the rotation to failure and the peak torque at failure is low when compared to most files.

SEMs are provided by Dr. Franklin Garcia-Godoy, Professor and Senior Executive Associate Dean for Research Director, Bioscience Research Center University of Tennessee Health Science Center