



## 11. P.D.

**MDT - FG Diamonds Burs  
Are manufactured with**



**Hardened Stainless Steel Shanks**

Ø1.597mm diameter with

Strict Tolerance of  
+0.001/- 0.005 mm

For Secure Fit



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# 14 FG Diamonds

Order # sample: 001-018 F  
Shape Head Grit



## 001 | 801

ROUND



Head Diameter 1/10mm	009	010	012	014	016	017	018	020	021	023	025	029	033	042	
Head Length mm	0.9	1.0	1.2	1.4	1.6	1.7	1.8	2.0	2.1	2.3	2.5	2.9	3.3	4.2	
ISO	order #														
806 314 001 494...	001-...UF								018			023			
806 314 001 504...	001-...XF				014	016		018	020		023			033	
806 314 001 514...	001-...F	009	010	012	014	016	017	018	020	021	023	025	029	033	
806 314 001 524...	001-...M	009	010	012	014	016	017	018	020	021	023	025	029	033	042
806 314 001 534...	001-...C	009	010	012	014	016	017	018	020	021	023	025	029	033	
806 314 001 544...	001-...XC		010	012	014	016	017	018	020	021	023	025	029		

## 001 | 801 short

ROUND



Head Diameter 1/10mm	006	010	012	014	018	024	
Head Length mm	0.6	1.0	1.2	1.4	1.8	2.4	
ISO	order #						
806 313 001 514...	001-...SF	006				024	
806 313 001 524...	001-...SM		010	012	014	018	024
806 313 001 534...	001-...SC		010		014	018	024
806 313 001 544...	001-...SXC						024

## 001 LP | 801 LP

ROUND long period



Head Diameter 1/10mm	014	017	021	
Head Length mm	1.4	1.7	2.1	
ISO	order #			
806 316 001 514...	001-...LPF	014	017	021
806 316 001 524...	001-...LPM	014	017	021

## 697 | 801 L

ROUND long



Head Diameter 1/10mm	012	014	016	017	021	023	032	039	
Head Length mm	1.2	1.4	1.6	1.7	2.1	2.3	3.2	3.9	
ISO	order #								
806 315 697 504...	697-...XF					021	023		
806 315 697 514...	697-...F		014			021	023		
806 315 697 524...	697-...M	012	014	016	017	021	023	032	039
806 315 697 534...	697-...C	012	014	016	017	021	023	032	039
806 315 697 544...	697-...XC				017		023		



Crown preparation

Ultra Fine □ Extra Fine ■ Fine ■ Medium ■ Coarse ■ Extra Coarse ■

FG Diamonds | 15



### 002 | 802

■ ROUND with collar



Head Diameter 1/10mm	010	012	014	017	018	021	033	
Head Length mm	2.2	2.2	2.2	2.5	2.7	2.7	4.5	
ISO	order #							
806 314 002 514...	002-...F		■012		■017		■021	■033
806 314 002 524...	002-...M	■010	■012	■014	■017	■018	■021	■033
806 314 002 534...	002-...C	■010	■012	■014	■017	■018	■021	■033
806 314 002 544...	002-...XC				■017		■021	

### 002 | 802 short

■ ROUND with collar



Head Diameter 1/10mm	014	
Head Length mm	2.2	
ISO	order #	
806 313 002 524...	002-...SM	■014
806 313 002 534...	002-...SC	■014



Crown preparation

### 010 | 805

■ INVERTED CONE short head



Head Diameter 1/10mm	009	010	012	014	016	017	019	021	
Head Length mm	0.9	1.0	1.5	1.5	1.5	1.5	1.7	1.9	
ISO	order #								
806 314 010 514...	010-...F			■012	■014	■016	■017	■019	■021
806 314 010 524...	010-...M	■009	■010	■012	■014	■016	■017	■019	■021
806 314 010 534...	010-...C			■012	■014	■016	■017	■019	■021
806 314 010 544...	010-...XC				■014	■016	■017	■019	■021



Removal of old fillings  
Cavity preparation



Removal of old fillings  
Cavity preparation

### 010 | 805 short

■ INVERTED CONE



Head Diameter 1/10mm	012	017	
Head Length mm	1.5	1.5	
ISO	order #		
806 313 010 524...	010-...SM	■012	■017
806 313 010 534...	010-...SC	■012	■017

### 019 | 806

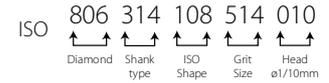
■ INVERTED CONE with collar



Head Diameter 1/10mm	009	010	012	014	017	019	021	
Head Length mm	2.2	2.2	2.2	2.2	3.0	3.0	3.5	
ISO	order #							
806 314 019 514...	019-...F			■012		■017		
806 314 019 524...	019-...M	■009	■010	■012	■014	■017	■019	■021
806 314 019 534...	019-...C			■012	■014	■017	■019	■021
806 314 019 544...	019-...XC			■012	■014	■017	■019	■021



# 16 FG Diamonds



## 019 | 806 short

INVERTED CONE with collar

Head Diameter 1/10mm	012	017
Head Length mm	2.2	3.0
ISO	order #	
806 313 019 524...	019-...SM	<span style="border: 1px solid blue; padding: 0 2px;">012</span> <span style="border: 1px solid blue; padding: 0 2px;">017</span>
806 313 019 534...	019-...SC	<span style="border: 1px solid green; padding: 0 2px;">012</span> <span style="border: 1px solid green; padding: 0 2px;">017</span>

## 019 | 806 Xshort

INVERTED CONE with collar

Head Diameter 1/10mm	010
Head Length mm	2.2
ISO	order #
806 312 019 524...	019-...SHM <span style="border: 1px solid blue; padding: 0 2px;">010</span>

## 031 (163) | 905

ACORN

Head Diameter 1/10mm	030
Head Length mm	3.8
ISO	order #
806 315 163 504...	163-...XF <span style="border: 1px solid yellow; padding: 0 2px;">030</span>
806 315 163 514...	163-...F <span style="border: 1px solid red; padding: 0 2px;">030</span>

## 031 | 905

ACORN

Head Diameter 1/10mm	018	023	027	031
Head Length mm	2.3	2.6	2.8	3.0
ISO	order #			
806 314 031 514...	031-...F	<span style="border: 1px solid red; padding: 0 2px;">018</span>	<span style="border: 1px solid red; padding: 0 2px;">023</span>	<span style="border: 1px solid red; padding: 0 2px;">027</span> <span style="border: 1px solid red; padding: 0 2px;">031</span>
806 314 031 524...	031-...M	<span style="border: 1px solid blue; padding: 0 2px;">018</span>	<span style="border: 1px solid blue; padding: 0 2px;">023</span>	<span style="border: 1px solid blue; padding: 0 2px;">027</span> <span style="border: 1px solid blue; padding: 0 2px;">031</span>

## 032 | 813

DIABLO

Head Diameter 1/10mm	012	014	016
Head Length mm	1.5	1.5	1.5
ISO	order #		
806 314 032 514...	032-...F	<span style="border: 1px solid red; padding: 0 2px;">012</span>	<span style="border: 1px solid red; padding: 0 2px;">014</span> <span style="border: 1px solid red; padding: 0 2px;">016</span>
806 314 032 524...	032-...M	<span style="border: 1px solid blue; padding: 0 2px;">012</span>	<span style="border: 1px solid blue; padding: 0 2px;">014</span> <span style="border: 1px solid blue; padding: 0 2px;">016</span>
806 314 032 534...	032-...C	<span style="border: 1px solid green; padding: 0 2px;">012</span>	<span style="border: 1px solid green; padding: 0 2px;">014</span> <span style="border: 1px solid green; padding: 0 2px;">016</span>

## 032 | 813 short

DIABLO

Head Diameter 1/10mm	014
Head Length mm	1.5
ISO	order #
806 313 032 524...	032-...SM <span style="border: 1px solid blue; padding: 0 2px;">014</span>
806 313 032 534...	032-...SC <span style="border: 1px solid green; padding: 0 2px;">014</span>

## 032L | 813L

DIABLO

Head Diameter 1/10mm	010	012	014	016	018
Head Length mm	2.2	2.2	2.3	2.3	2.3
ISO	order #				
806 314 032L 514...	032L-...F	<span style="border: 1px solid red; padding: 0 2px;">012</span>		<span style="border: 1px solid red; padding: 0 2px;">016</span>	
806 314 032L 524...	032L-...M	<span style="border: 1px solid blue; padding: 0 2px;">010</span>	<span style="border: 1px solid blue; padding: 0 2px;">012</span>	<span style="border: 1px solid blue; padding: 0 2px;">014</span>	<span style="border: 1px solid blue; padding: 0 2px;">016</span> <span style="border: 1px solid blue; padding: 0 2px;">018</span>
806 314 032L 534...	032L-...C	<span style="border: 1px solid green; padding: 0 2px;">012</span>	<span style="border: 1px solid green; padding: 0 2px;">014</span>	<span style="border: 1px solid green; padding: 0 2px;">016</span>	<span style="border: 1px solid green; padding: 0 2px;">018</span>



Removal of old fillings  
Cavity preparation

**032**  
813



**033 | 899**

POINTED BUD



Head Diameter 1/10mm	027
Head Length mm	7.0
ISO	order #
806 315 033 514...	033-...F ■027
806 315 033 524...	033-...M ■027

**038 | 8115**

BARREL



Head Diameter 1/10mm	033
Head Length mm	4.5
ISO	order #
806 314 038 524...	038-...M ■033
806 314 038 534...	038-...C ■033
806 314 038 544...	038-...XC ■033



**038  
039**  
811

Crown preparation  
Occlusal Conturing  
Contouring & finishing

**039 | 811**

BARREL



Head Diameter 1/10mm	033	037	048
Head Length mm	5.5	7.0	7.0
ISO	order #		
806 315 039 514...	039-...F ■033		
806 315 039 524...	039-...M ■033 ■037 ■048		
806 315 039 534...	039-...C ■033 ■037		
806 315 039 544...	039-...XC ■033 ■037		

**041 | 815**

WHEEL



Head Diameter 1/10mm	017	027	035	038	042	050
Head Length mm	1.0	1.0	0.7	1.8	2.0	2.0
ISO	order #					
806 314 041 524...	041-...M ■017 ■027 ■035 ■038 ■042 ■050					
806 314 041 534...	041-...C ■017			■038	■042	
806 314 041 544...	041-...XC			■038		

**055 | 824**

WHEEL with shoulder



Head Diameter 1/10mm	042
Head Length mm	0.5
ISO	order #
806 314 055 524...	055-...M ■042
806 314 055 534...	055-...C ■042

**067 | 909**

WHEEL rounded rim

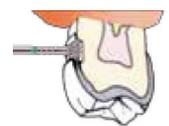


Head Diameter 1/10mm	036
Head Length mm	1.2
ISO	order #
806 314 067 514...	067-...F ■036
806 314 067 524...	067-...M ■036
806 314 067 534...	067-...C ■036



**041  
067  
068**  
815  
909

Crown preparation  
Occlusal Conturing



**055**  
824

Cavity preparation



18 FG Diamonds

Order # sample: 001 <sup>-018</sup> F  
Shape Head Grit



**067 | 909 short**

WHEEL rounded rim



Head Diameter 1/10mm    035    040    042

Head Length mm    1.2    1.3    1.4

ISO	order #			
806 313 067 514...	067-...SF		I040	I042
806 313 067 524...	067-...SM	I035	I040	I042
806 313 067 534...	067-...SC	I035	I040	I042
806 313 067 544...	067-...XC		I040	I042

**068 | 909**

WHEEL rounded rim



Head Diameter 1/10mm    031    042    055

Head Length mm    1.7    1.9    1.9

ISO	order #			
806 314 068 524...	068-...M	I031	I042	I055
806 314 068 534...	068-...C	I031	I042	I055
806 314 068 544...	068-...XC		I042	

**108 | 835**

FLAT END CYLINDER



Head Diameter 1/10mm    009    010    011

Head Length mm    3.0    3.0    3.0

ISO	order #			
806 314 108 514...	108-...F	I009	I010	
806 314 108 524...	108-...M	I009	I010	I011
806 314 108 534...	108-...C	I009	I010	I011

**108 | 835 short**

FLAT END CYLINDER



Head Diameter 1/10mm    008    009

Head Length mm    3.0    3.0

ISO	order #		
806 313 108 514...	108-...SF	I008	
806 313 108 524...	108-...SM	I008	I009
806 313 108 534...	108-...SC	I008	I009

**109 | 835**

FLAT END CYLINDER



Head Diameter 1/10mm    008    010    011    012    014    016    018

Head Length mm    4.0    4.0    4.0    4.0    4.0    4.0    4.0

ISO	order #						
806 314 109 514...	109-...F		I010		I012	I014	I016
806 314 109 524...	109-...M	I008	I010	I011	I012	I014	I016
806 314 109 534...	109-...C	I008	I010	I011	I012	I014	I016
806 314 109 544...	109-...XC		I010	I011	I012	I014	I016



**108**  
**109**  
**110**  
**111**  
**112**

835  
836  
837

Removal of old fillings  
Cavity preparation  
Crown preparation  
Inlay/Onlay preparation

Ultra Fine □ Extra Fine ■ Fine ■ Medium ■ Coarse ■ Extra Coarse ■

FG Diamonds | 19



### 109 | 835 short

■ FLAT END CYLINDER



Head Diameter 1/10mm	010	011	012
Head Length mm	4.0	4.0	4.0

ISO	order #			
806 313 109 514...	109-...SF	■ 010		
806 313 109 524...	109-...SM	■ 010	■ 011	■ 012
806 313 109 534...	109-...SC	■ 010	■ 011	■ 012

### 110 | 836

■ FLAT END CYLINDER



Head Diameter 1/10mm	010	012	014	016
Head Length mm	6.0	6.0	6.0	6.0

ISO	order #				
806 315 110 504...	110-...XF	■ 010		■ 014	
806 315 110 514...	110-...F	■ 010	■ 012	■ 014	
806 315 110 524...	110-...M	■ 010	■ 012	■ 014	■ 016
806 315 110 534...	110-...C	■ 010	■ 012	■ 014	■ 016
806 315 110 544...	110-...XC		■ 012	■ 014	■ 016

### 110 | 836 short

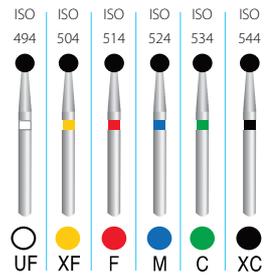
■ FLAT END CYLINDER



Head Diameter 1/10mm	012	015	017
Head Length mm	6.0	6.0	6.0

ISO	order #			
806 314 110 504...	110-...SXF	■ 012		
806 314 110 514...	110-...SF	■ 012	■ 015	
806 314 110 524...	110-...SM	■ 012	■ 015	■ 017
806 314 110 534...	110-...SC	■ 012	■ 015	■ 017
806 314 110 544...	110-...SXC		■ 015	■ 017

Diamond Grit



### 111 | 837

■ FLAT END CYLINDER



Head Diameter 1/10mm	010	012	014	016	018	019
Head Length mm	8.0	8.0	8.0	8.0	8.0	8.0

ISO	order #						
806 315 111 504...	111-...XF		■ 012	■ 014			
806 315 111 514...	111-...F		■ 012	■ 014	■ 016	■ 018	
806 315 111 524...	111-...M	■ 010	■ 012	■ 014	■ 016	■ 018	■ 019
806 315 111 534...	111-...C	■ 010	■ 012	■ 014	■ 016	■ 018	■ 019
806 315 111 544...	111-...XC	■ 010	■ 012	■ 014	■ 016	■ 018	■ 019



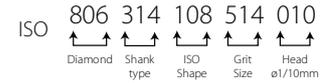
**108**  
**109**  
**110**  
**111**  
**112**

835  
836  
837

Removal of old fillings  
Cavity preparation  
Crown preparation  
Inlay/Onlay preparation



20 FG Diamonds



**111 | 837 short**

FLAT END CYLINDER



Head Diameter 1/10mm	016
Head Length mm	8.0
ISO	order #
806 314 111 524...	111-...SM I016
806 314 111 534...	111-...SC I016
806 314 111 544...	111-...SXC I016

**112 | 837L**

FLAT END CYLINDER



Head Diameter 1/10mm	014
Head Length mm	10.0
ISO	order #
806 315 112 524...	112-...M I014
806 315 112 534...	112-...C I014

**129 | 884**

BEVELED CYLINDER



Head Diameter 1/10mm	012
Head Length mm	6.0
ISO	order #
806 315 129 524...	129-...M I012
806 315 129 534...	129-...C I012

**130 | 885**

BEVELED CYLINDER



Head Diameter 1/10mm	010	012	014	016
Head Length mm	8.0	8.0	8.0	8.0
ISO	order #			
806 315 130 504...	130-...XF	I012	I014	
806 315 130 514...	130-...F	I012	I014	
806 315 130 524...	130-...M	I010	I012	I014 I016
806 315 130 534...	130-...C	I010	I012	I014 I016
806 315 130 544...	130-...XC	I010	I012	I014 I016

**130 | 885 short**

BEVELED CYLINDER



Head Diameter 1/10mm	012
Head Length mm	8.0
ISO	order #
806 314 130 504...	130-...SXF I012
806 314 130 514...	130-...SF I012
806 314 130 524...	130-...SM I012
806 314 130 534...	130-...SC I012
806 314 130 544...	130-...SXC I012

**131 | 886**

BEVELED CYLINDER



Head Diameter 1/10mm	010	012	014	016
Head Length mm	10.0	10.0	10.0	10.0
ISO	order #			
806 315 131 504...	131-...XF	I012	I014	
806 315 131 514...	131-...F	I012	I014	I016
806 315 131 524...	131-...M	I010	I012	I014 I016
806 315 131 534...	131-...C	I010	I012	I014 I016
806 315 131 544...	131-...XC	I012	I014	

**131 | 886 short**

BEVELED CYLINDER



Head Diameter 1/10mm	012
Head Length mm	10.0
ISO	order #
806 314 131 504...	131-...SXF I012
806 314 131 514...	131-...SF I012
806 314 131 524...	131-...SM I012
806 314 131 534...	131-...SC I012



**129**  
**130**  
**131**  
884  
885  
886

Crown preparation  
Removal of old fillings