



ortodonti service a/s

# Dentistry and Dental Technique 2019



**Busch**®

There is no substitute for quality

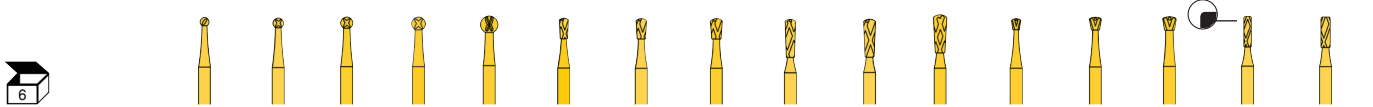
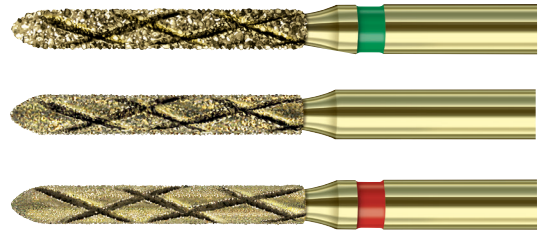


„There is no substitute for quality“ this conviction has committed our company's philosophy since our foundation in 1905.

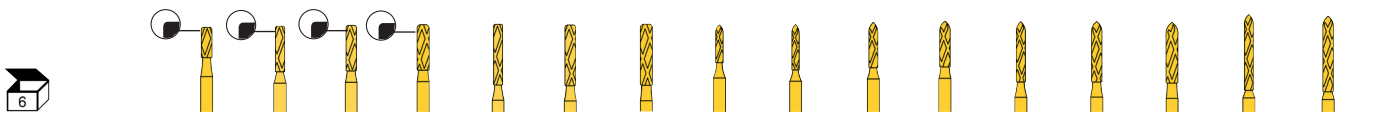
Our ideas and all processes of research & development, production and distribution meet with the demands of this philosophy.

for dentistry

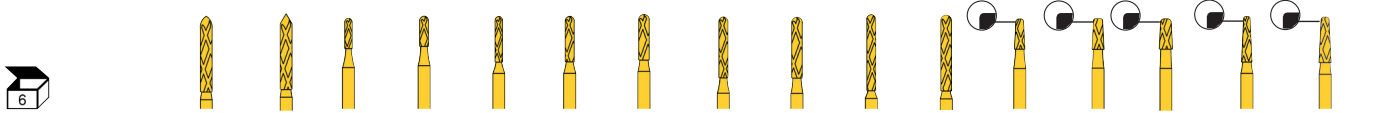
# COOL DIAMANT



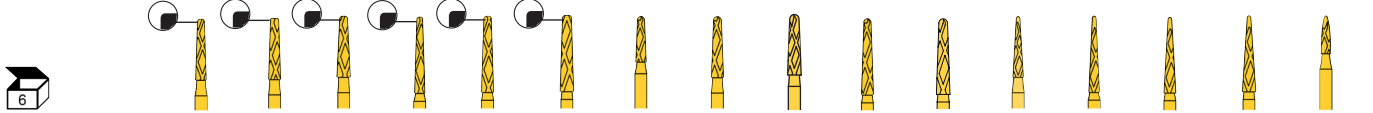
BUSCH	CD03	CD06	CD06	CD06	CD06	CD18	CD18	CD18	CD19	CD19	CD19	CD09	CD12	CD12	CD21	CD21
ISO Ø	012	014	016	018	023	012	014	016	014	016	018	012	016	018	010	012
coarse CD..G ●																
medium CD..○																



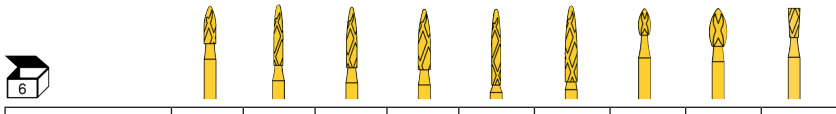
BUSCH	CD21	CD24	CD24	CD24	CD25	CD25	CD25	CD63	CD66	CD66	CD66	CD69	CD69	CD69	CD72	CD72
ISO Ø	014	012	014	016	012	014	016	010	010	012	014	012	014	016	012	014
coarse CD..G ●																
medium CD..○																
fine CD..F ●																



BUSCH	CD72	CD78	CD27	CD27	CD30	CD30	CD30	CD33	CD33	CD34	CD34	CD36	CD36	CD36	CD37	CD37
ISO Ø	016	016	010	012	010	012	014	012	014	012	014	014	016	018	014	016
coarse CD..G ●																
medium CD..○																
fine CD..F ●																

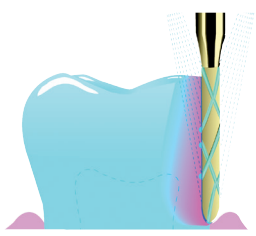


BUSCH	CD39	CD39	CD39	CD42	CD42	CD42	CD45	CD48	CD48	CD51	CD51	CD54	CD55	CD55	CD55	CD57
ISO Ø	014	016	018	014	016	018	014	016	018	016	018	014	014	016	018	012
coarse CD..G ●																
medium CD..○																
fine CD..F ●																



BUSCH	C57	CD60	CD60	CD60	CD61	CD61	CD80	CD80	CD15
ISO Ø	016	012	014	016	012	016	016	023	016
coarse CD..G ●									
medium CD..○									
fine CD..F ●									

- shank FG, coarse grit, green ring
- shank FG, medium grit, without ring
- shank FG, fine grit, red ring



## Micro Prep

### Preparation technique based on minimum contact

For a selective, minimal invasive preparation, you need specially designed instruments. The smallest working part diameter, application-oriented shapes, various diamond grit sizes, long, thin necks and a perfect concentric running are the essential characteristics of such instruments.

The long thin neck construction allows a perfect optimal control during preparation in the depth of the dentine. Even in hard-to-reach places targeted work can be done without opening the enamel too much, which could be in the case when using the same working part diameters with a normal neck construction.

MI802  
● MI8802

	FG	MI802	014
● FG		MI8802	014

MI806  
● MI8806

	FG	MI806	014
● FG		MI8806	014

MI801

	FG	MI801	010

MI830  
● MI8830

	FG	MI830	009
● FG		MI8830	009

MI830  
● MI8830

	FG	MI830	012
● FG		MI8830	012

MI838  
● MI8838

	FG	MI838	007
● FG		MI8838	007

MI889  
● MI8889

	FG	MI889	007
● FG		MI8889	007

Recommended speed.

medium grit

MI 801 010 140.000 min<sup>-1</sup>  
MI 802 014 120.000 min<sup>-1</sup>  
MI 806 014 120.000 min<sup>-1</sup>  
MI 830 009 140.000 min<sup>-1</sup>

MI 830 012 130.000 min<sup>-1</sup>  
MI 838 007 150.000 min<sup>-1</sup>  
MI 889 007 150.000 min<sup>-1</sup>

fine grit

MI 8802 014 100.000 min<sup>-1</sup>  
MI 8806 014 100.000 min<sup>-1</sup>  
MI 8830 009 110.000 min<sup>-1</sup>

MI 8830 012 100.000 min<sup>-1</sup>  
MI 8838 007 120.000 min<sup>-1</sup>  
MI 8889 007 120.000 min<sup>-1</sup>

medium grit = ● fine grit =

*for dentistry*

## Dia PERIO-PRO

### fine grit

- gentle removal of supra- and subgingival calculus or rather concretions.
- removal of natural plaque retention points.
- pre-cleaning of intraalveolar intrabony pocket and root cleaning.
- recommended speed: 8.000 - 12.000 r.p.m.

### extra fine grit

- final root and smoothing, also at early infestation of furcation.
- smoothing of the root cementum of paradontal damaged teeth.
- removal of cementum surplus after fitting of crowns and bridges.
- recommended speed: 8.000 - 12.000 r.p.m.



- 8406LF
- 8406LEF



● RA	8406LF/...	012
● RA	8406LEF/...	012



- 8407LF
- 8407LEF



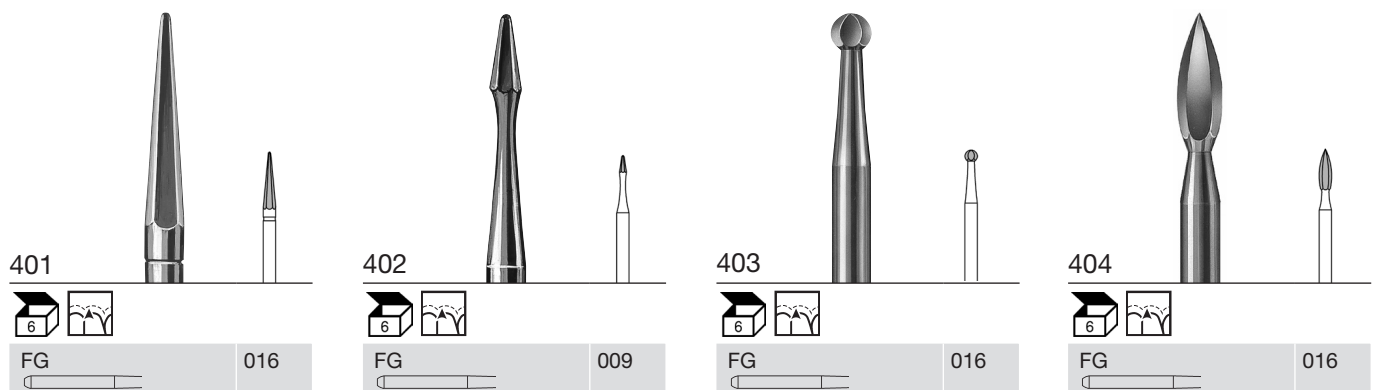
● RA	8407LF/...	012
● RA	8407LEF/...	012

## ROTO-PRO calculus remover

The instruments of the ROTO PRO series are the first choice for a gentle removal of excess bonding residues, especially after orthodontic debonding. There is no trauma of the tooth enamel as with diamond instruments. The key advantage of the ROTO PRO series is the polygonal working part without sharp edges. Different shapes of the working part facilitate vestibular and oral treatments of tooth surfaces.

Polygonal working part without sharp edges, applicable in restorative dentistry, fixed prosthodontics, orthodontics and periodontics.

Speed 140.000 – 300.000 rpm.



401

FG	016
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402

FG	009
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403

FG	016
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404

FG	016
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## 1SXM + 1SX

Both the dentist and the patient appreciate the ability to proceed rapidly and gently, with low vibrations, during cavity preparation and excavation.

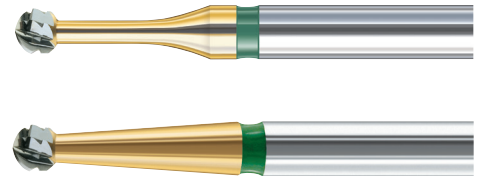
Our tried-and-tested 1SX with special cutting geometry permits cavity preparation without causing discomfort to the patient.

This makes this particular type of bur ideal for removing carious dentine and for preparing teeth with vital pulp.

The figure 1SXM with the slender neck permits a better overall view of the working area with minimum access for excavation. Even by deeper excavations, is no need to do without the advantages of both instrument variations; then besides the standard shank type RA, we also offer the RA-long shank in different sizes. The instrument neck is gold-plated and marked-off with a green ring for easy identification of this product range.

The SX and SXM carbide burs can be disinfected, cleaned and sterilized by all conventional methods.

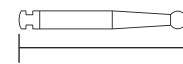
Water cooling is recommended. Like all other BUSCH instruments for medical use the packaging features the CE-mark.



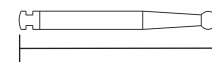
fast and low vibration excavating with a clear view where access is difficult

1SXM

RA	010	012	014	016	018	021	023	027
RA-Ig	010		014		018		023	027



RA: 22,0 mm



RA-Ig: 26,0 mm

fast and low vibration excavating

1SX

RA	008	010	012	014	016	018	021	023	027
RA-Ig		010		014		018		023	027

Recommended Speed r.p.m.:

ISO 008	= 1.500 - 3.000
ISO 010	= 1.400 - 2.950
ISO 012	= 1.250 - 2.800
ISO 014	= 1.000 - 2.500
ISO 016	= 750 - 2.050
ISO 018	= 550 - 1.650
ISO 021	= 500 - 1.300
ISO 023	= 500 - 1.100
ISO 027	= 500 - 1.000

for dentistry

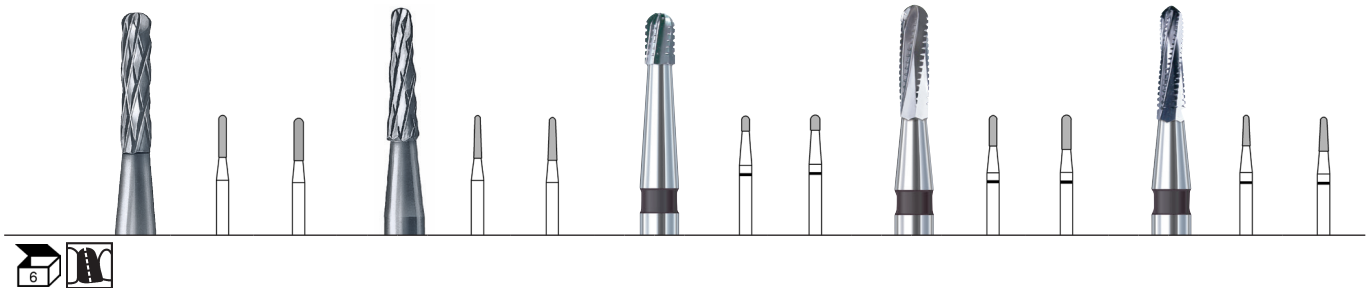
## Carbide crown cutter

	NPM and their alloys	High gold content PM-alloys	Gold reduced PM-alloys	Zirconium oxide	Recommended speed
Carbide crown cutters with double cut BUSCH 21RX und 23RX					180.000 - 200.000 r.p.m.
Carbide crown cutters with fine cross-cut BUSCH 34, 36R und 38R					
Carbide crown cutters with diamond cut BUSCH 34D, 36RD, 38RD, 36RDL, 38RDL					

We recommend the diamond instrument with coarse grit for an economical cutting of veneer ceramic.

with double cut

with fine cross-cut



FG	21RX	21RX	23RX	23RX	34	34	36R	36R	38R	38R
ISO Ø	010	012	010	012	010	012	010	012	010	012

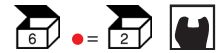
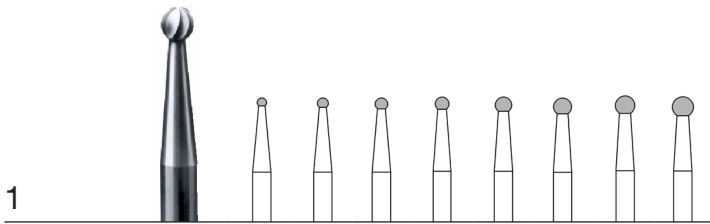
with diamond cut



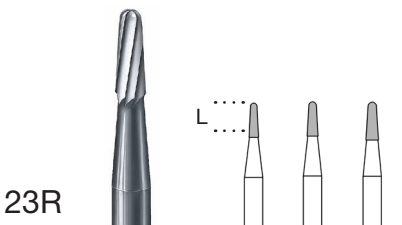
FG	34D	34D	36RD	36RD	38RD	38RD	36RDL	36RDL	38RDL	38RDL
ISO Ø	010	012	010	012	010	012	010	012	010	012

## Carbide Excavating and fissure burs

excavating



<b>FG</b> ISO 500 314 001 001...	012	014	016	018	021	023		
<b>W/RA/CA</b> ISO 500 204 001 001...	012	014	016	018	021	023	025	027



<b>FG</b> ISO 500 314 194 006...	012	014	
<b>W/RA/CA</b> ISO 500 204 194 006...	012	014	016
L mm	4,5	4,5	5,0

enamel shaver

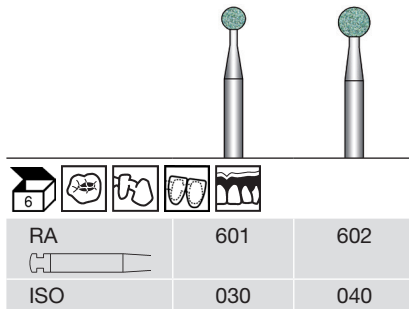


<b>FG</b> ISO 500 314 218 001...	014
L mm	7,5

for dentistry

## Abrasives for ceramic, acrylics, metal alloys, enamel

silicon carbide  
 abrasives (SiC), green  
 ceramic bond  
 grit size medium  
 bonding hardness medium





## Ceramic cutters for acrylics and green compacts of zirconium oxide

Medium double cut

Acrylics: working out, shape milling

Green compacts of zirconium oxide: shape corrections and cleaning the point of attachment.

Not suitable for metals!



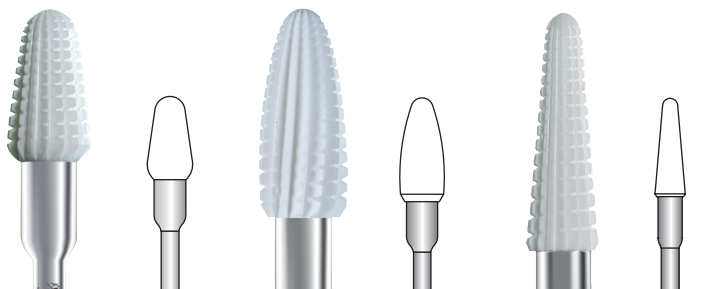
HP	K424X	K424X	K425X	K429X	K429X
ISO Ø	040	060	060	040	060

Coarse power GQSR-cut

Non-hardening and soft acrylics: working out

Green compacts of zirconium oxide: shape corrections and cleaning the point of attachment.

Not suitable for metals!



HP	K424GQSR	K425GQSR	K429GQSR
ISO Ø	060	060	040

Recommended speed:

acrylics: 5.000 min<sup>-1</sup>

Green compacts of zirconium oxide: 7.500 min<sup>-1</sup>

for laboratory

## Carbide cutters

**SGX** very coarse double cut

HP	424SGX	425SGX	429SGX	429SGX
ISO Ø	060	060	045	060

**GX** coarse double cut

HP	424GX	425GX	426GX	429GX	429GX
ISO Ø	080	060	060	045	060

**SGXA** very coarse double cut, left-twisted for increased safety

HP	425SGXA	429SGXA	429SGXA
ISO Ø	060	060	070

**GXA** coarse double cut, left-twisted for increased safety

HP	425GXA	429GXA
ISO Ø	060	060

**GQSR** coarse straight cut cross cut

HP	424GQSR	424GQSR	426GQSR
ISO Ø	040	060	060

**MQS** medium cut with cross cut

HP	429MQS
ISO Ø	040

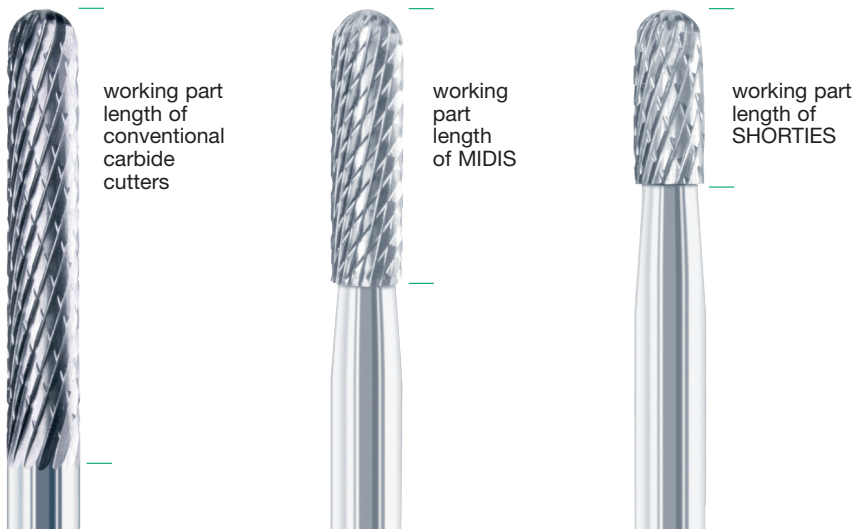
**X** medium double cut

HP	421X	424X	424X	425X	425X	426X	429X	432X
ISO Ø	031	040	060	040	060	023	040	023

medium cut

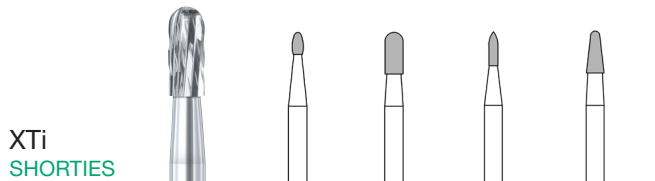
HP	425
ISO Ø	060

## SHORTIES & MIDIS



Think smart and benefit from the price advantage of low material and manufacturing costs!  
 It holds true: The shorter the working part, the higher the price advantage.  
 You can decide how much you want to save.

### medium double cut

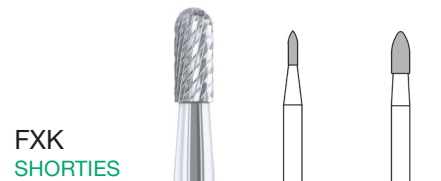


XTi  
SHORTIES



HP	S423XTi	S426XTi	S428XTi	S433XTi
ISO Ø	014	023	012	023

### fine double cut

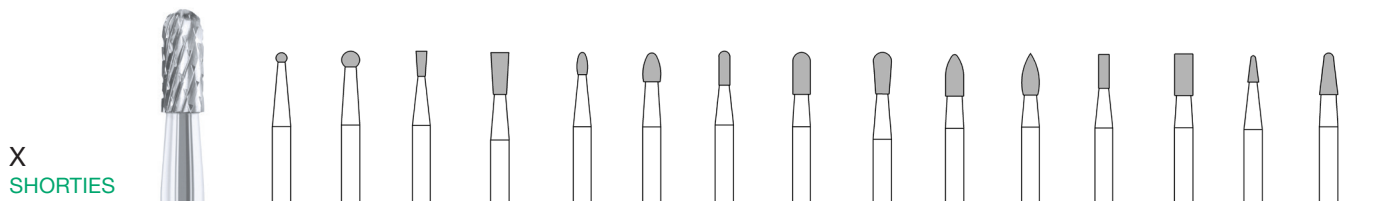


FXK  
SHORTIES



HP	S428FXK	S428FXK
ISO Ø	012	023

### medium double cut



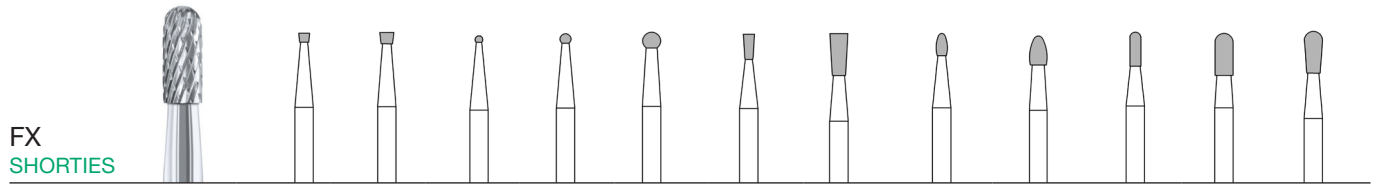
X  
SHORTIES



HP	S421X	S421X	S422X	S422X	S423X	S423X	S426X	S426X	S427X	S428X	S430X	S431X	S431X	S433X	S433X
ISO Ø	014	023	014	023	014	023	014	023	023	023	023	014	023	014	023

**for laboratory**

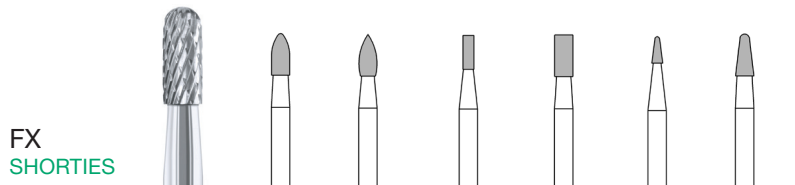
fine double cut



FX  
SHORTIES



HP	S420FX	S420FX	S421FX	S421FX	S421FX	S422FX	S422FX	S423FX	S423FX	S426FX	S426FX	S427FX
ISO Ø	014	018	010	014	023	014	023	014	023	014	023	023

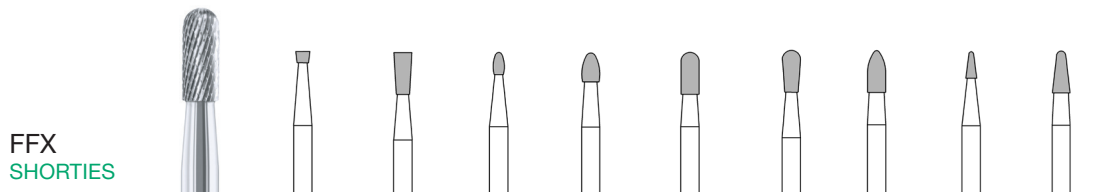


FX  
SHORTIES



HP	S428FX	S430FX	S431FX	S431FX	S433FX	S433FX
ISO Ø	023	023	014	023	014	023

super-fine double cut



FFX  
SHORTIES



HP	S420FFX	S422FFX	S423FFX	S423FFX	S426FFX	S427FFX	S428FFX	S433FFX	S433FFX
ISO Ø	018	023	014	023	023	023	023	014	023

medium cut with cross cut

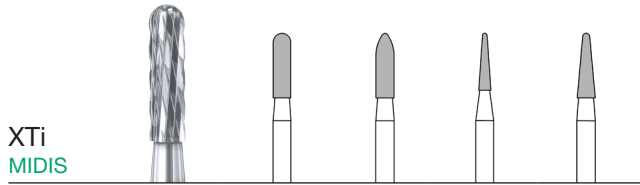


MQS  
SHORTIES



HP	S423MQS	S427MQS
ISO Ø	014	023

medium double cut

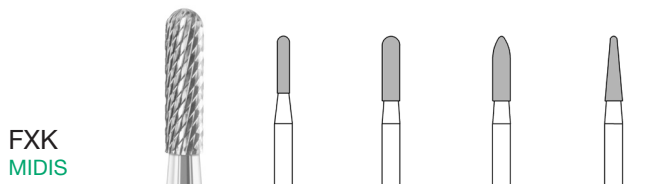


XTi  
MIDIS



HP	M426XTi	M428XTi	M433XTi	M433XTi
ISO Ø	023	023	016	023

fine double cut

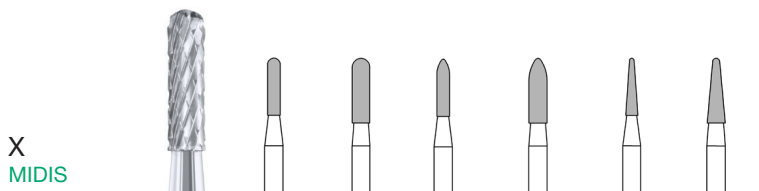


FXK  
MIDIS



HP	M426FXK	M426FXK	M428FXK	M433FXK
ISO Ø	016	023	023	023

medium double cut

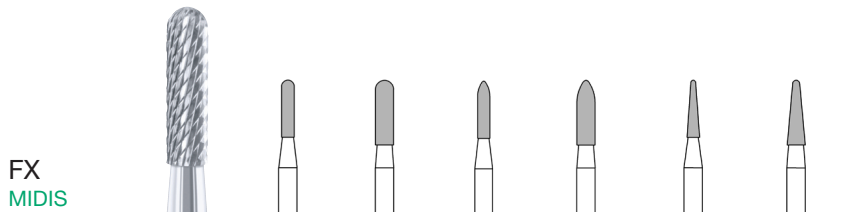


X  
MIDIS



HP	M426X	M426X	M428X	M428X	M433X	M433X
ISO Ø	016	023	016	023	016	023

fine double cut



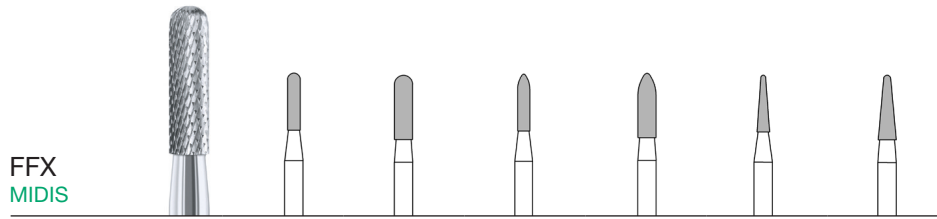
FX  
MIDIS



HP	M426FX	M426FX	M428FX	M428FX	M433FX	M433FX
ISO Ø	016	023	016	023	016	023

**for laboratory**

super-fine double cut

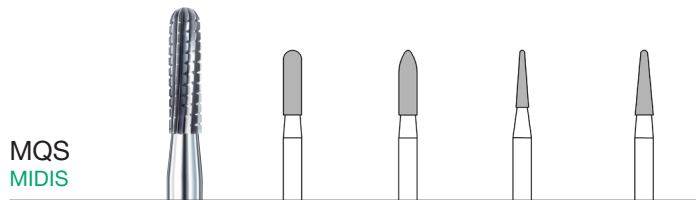


FFX  
MIDIS



HP	M426FFX	M426FFX	M428FFX	M428FFX	M433FFX	M433FFX
ISO Ø	016	023	016	023	016	023

medium cut with cross cut

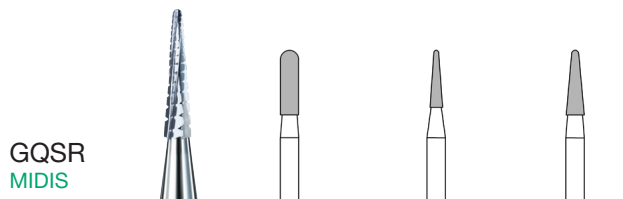


MQS  
MIDIS



HP	M426MQS	M428MQS	M433MQS	M433MQS
ISO Ø	023	023	016	023

coarse straight cut cross cut



GQSR  
MIDIS



HP	M426GQSR	M433GQSR	M433GQSR
ISO Ø	023	016	023

### 3-step polisher system for acrylic

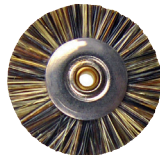
polishing, anthrazite, silicon carbide (SiC), silicone  
grit size medium, bond hardness medium



HP	9628
ISO	100

### Brushes for the polishing with paste

chungking, hard bristles

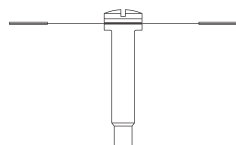


unmounted	9636
ISO	190

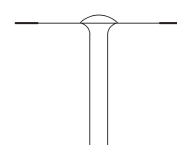
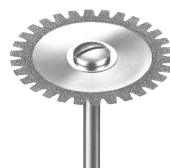
Ø of centre hole 1,7 mm

### Diamond discs, mounted

model fabrication



HP	911PS
ISO	300



HP	911S
ISO	220



**OS** ortodonti service a/s

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CVR-nummer: 33862067  
Web: <http://www.ortodontiservice.dk>