

stryker

# Driven to perform



**Signature 2**  
the new high  
speed drill portfolio

# Built to **win**<sup>1</sup>

## **Bearing grease performance**

4x higher at 104°F (40°C)

~2.5x higher at 212°F (100°C)

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## **29% decrease (3.3 lbf)**

in mean peak pullout force

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## **87% of users**

preferred new pullout force interface

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## **New durable housing and markings**

preserved 4+ years (minimum 400 cycles)

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## **$\pi$ drive 2 motor balance**

6.5% improvement vs  $\pi$ drive

16% improvement vs S2

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## **21% lighter**

$\pi$ drive 2 to  $\pi$ drive+

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## **Up to 36% reduction**

in cable friction (CoF)

# Leading the field

In the world of high performance racing – and surgery – every nuance matters. And superior solutions save lives. So we've revved up the breadth, performance and innovation of Signature 2 Portfolio. As the most comprehensive neurosurgical high speed drill suite, it fulfills a spectrum of clinical needs through a single system. Combined with unparalleled customization, Signature 2 Portfolio gives you the flexibility, functionality and confidence needed for victory in the O.R.



πdrive 2+

New, shorter πdrive 2

## Shifting gears into higher performance

Enhanced across the board, Signature 2 Portfolio pairs robust surgical essentials with nuanced personal preferences for an exceptional experience you'll feel. Whether you need to cut, drill, decorticate, shape or smooth, Signature 2 aims to provide the exact tool and touch you want with the speed, power and durability you requested. **It's not a single thing, it's everything.**

## New attachments, new benefits<sup>1</sup>

**8cm and 9cm non-footed attachments** with slam latch and release collar permit easier release technique while augmenting safety

**440 and 442 knurled attachments** help optimize system length and balance for neuro otologists and ENTs



### Optimized performance

- πdrive 2 and πdrive 2+ motors continue their legacy of providing supremely nuanced power and torque control
- πdrive 2 gives neuro otologists/ENTs a maneuverable, shorter and lighter use option<sup>1</sup>
- Proprietary πdrive motor technology

### Elevated ergonomics<sup>1</sup>

- Matte anodizing and drill coating helps reduce light reflection and glare off drill surface
- Center of gravity shifted to distal end for better motor balance
- New exclusive KnurLock machining helps secure grip
- Continued legacy of minimal vibration creates stable, high quality feel
- Industry-exclusive I.D. Touch software for custom drill response/touch

### Mechanical improvements<sup>1,2</sup>

- Motor bearing grease boasts higher viscosity and max operating temperature (37°C increase; 177°C vs 140°C)
- Sound energy reduced by more than half (in πdrive 2) and nearly half (in πdrive 2+)
- Single piece, metal rotor simplifies repairs
- Drill tracker adapter (πdrive 2 and πdrive 2+) provides future-ready design

### Added durability<sup>1</sup>

- Matte finishes help reduce corrosion, improve resistance to reprocessing, and preserve exterior markings 4+ years (minimum 400 cycles)

### Enhanced usability<sup>1</sup>

- Non-footed slam latch and release collar simplify use
- Reduced attachment pullout force
- Attachments and cutting accessories are forward/backward compatible
- Enhanced cable coating augments insulation, tactile feel and anti-friction
- All powered through the CORE 2 universal console

### iBur integrated attachments

- 16 sterile, single-use attachments with 15° proximal or distal bend for enhanced access and direct view of bur on surgical surface
- Integrated attachment, cutting accessory and irrigation
- Low, slim profile with tapered, concave design enables direct line of sight
- Protective shank covers shaft to guard against rotational harm



Today's Signature 2 Portfolio

8

motors  
(electric and pneumatic)

40  
attachments

700+  
cutting accessories

# Support you can count on

We're acutely aware you rely on our products to help get your patients safely over the finish line. So our team has given its all to help elevate your clinical capability and performance – all with an eye towards optimal safety and outcomes. Together with your surgical expertise, we've created a winning formula for advancing neurosurgery and transforming lives.

To trial today's Signature 2 Portfolio or to get more information contact your Neurosurgical sales representative, call **800 253 3210** or visit **neurosurgical.stryker.com**.

Part number	Product description
<b>Motors</b>	
5407-150-000	Pi Drive 2 Motor
5407-350-000	Pi Drive 2 Plus Motor
<b>Attachments</b>	
5407-NF2-8CM	8cm Non-footed 2 attachment
5407-NF2-9CM	9cm Non-footed 2 attachment
5407-120-440	440 Elite straight attachment
5407-120-442	442 Elite angled attachment
<b>iBur integrated attachments, cutting accessories with irrigation</b>	
<b>Hubs</b>	
5407-120-300	iBur Straight Hub
5407-120-300A	iBur Angled Hub
<b>15° Distal bend (12.5cm, orange color band)</b>	
8431-107-530	3.0mm iBur Precision Match Head
8431-107-030D	3.0mm iBur Diamond Match Head
8431-009-030	3.0mm iBur 2Flute Precision Round
8431-009-040	4.0mm iBur 2Flute Precision Round
8431-012-020D	2.0mm iBur Diamond Round
8431-012-030D	3.0mm iBur Diamond Round
8431-012-040D	4.0mm iBur Diamond Round
8431-013-030DC	3.0mm iBur Coarse Diamond Round
8431-013-040DC	4.0mm iBur Coarse Diamond Round
8431-013-050DC	5.0mm iBur Coarse Diamond Round
<b>15° Proximal bend (12.5cm, orange color band)</b>	
8442-107-525	2.5mm iBur Precision Match Head
8442-107-530	3.0mm iBur Precision Match Head
8442-107-025D	2.5mm iBur Diamond Match Head
8442-107-030D	3.0mm iBur Diamond Match Head
8442-009-030	3.0mm iBur 2Flute Precision Round
8442-009-040	4.0mm iBur 2Flute Precision Round
<b>Console</b>	
5400-052-000	CORE 2 Console (software version 2.3 or higher)

1. Stryker data on file
2. "Understanding the 3dB rule." *Pulsar Instruments*, 26 Oct. 2015, <https://pulsarinstruments.com/en/post/understanding-3db-rule>

## Neurosurgical

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