



DIAMOND DENTAL PRODUCTS



www.dsisrael.com



Diamond Burs	Introduction	2	
	Numbering System	3	
	Reference Guide	4	A DSI Diamond burs range of electro-plated diamond burs. Made from a natural diamonds, each bur is color coded.
	Application Symbol	5	
	Turbine Diamond Burs	6	
	Degranulation System	12	Optimal debridement of the inflammatory tissue is achieved, without the use of surgical spoon curette.
	IPR Systems	14	The IPR System is DSI Diamond's solution to precise tooth slenderization and removal of composite attachments.
	Polishing Products	17	Polishing product for laboratory and clinical use.

DIAMOND BURS

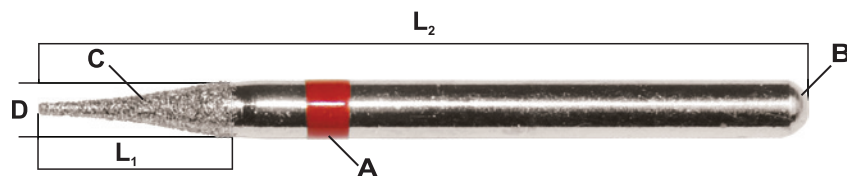


The choice of burs – it is one of the most important decisions which takes the dentist. Rapid and efficient preparation facilitates the condition of the patient, accelerates treatment and improves its efficiency.

Since 2005 the company DSI produced dental burs DSI Diamond. Wide range of burs (over 100 working forms) decides the questions of efficient and quality treatment. Burs with a large dispersion of diamond coating are effective for the rapid removal of the basic structure of the tooth and for the restoration, polishing or surface treatment of the tooth burs with fine dispersion of diamond grains are used.

As the abrasive grains only natural diamonds of high purity are used. Natural diamond has a high density, hardness and purity. Natural diamond crystals have a cubic lattice and have the ability to self-sharpening: in the working process of bur on the edge faces of diamond grains it is microcleaving which creates a new cutting edge. This process extends the life of diamond instrument, while its geometric form is not changed. The working surface is created by galvanoplastics, which provides the density of packing of diamond grains and thereby increases the cutting efficiency.

DSI



A			B	L ₂	C	L ₁	D
8	5	6	31	4	168	030	010
Working part material – DIAMOND	Diamond grain size – Fine	Metal binder – galvanic method	Shank type	Overall length of tool	Working part form	Working part length	Working part diameter

DIAMONDS BURS ARE MANUFACTURED IN 6 DIFFERENT DIAMOND GRAIN SIZES. THE COLORS CORRESPOND TO INTERNATIONALLY ACCEPTED GUIDELINES.































Color Coding:

ISO	COLOR	µm	DESCRIPTION	PURPOSE
826	○	15	ULTRA FINE burs marked with white colour ring	For final polishing
836	●	30	SUPER FINE burs are marked with yellow colour ring	For finishing of composite fillings and smoothing of the margins of fillings
856	●	50	FINE burs are marked with red colour ring	For final polishing
866	●	107-120	MEDIUM burs are blue color rings	For universal removal of dental tissue
876	●	150-180	COARSE burs are marked with green colour ring	For fast removal of dental tissue
886	●	180-250	SUPER COARSE burs are marked with black colour ring	For fast removal of dental tissue

Diamond ISO length:

ISO	TYPE OF SHANK	LENGTH	TYPE	Ø, mm
104	Handpiece		Standard (44,5 ± 0,5 mm)	2.35
204	Contra-angle		Standard (22, 24 mm)	2.35
205	Right angle		Long (26, 28 mm)	2.35
314	Turbine		Standard (19, 21 mm)	1.6
315	Turbine		Long (21, 22 mm)	1.6
316	Turbine		X-long (25, 26 mm)	1.6

Reference Guide

FORM	CODE	Type
	001	Spherical (round)
	002	Spherical (round) shouldered, standard
	697	Spherical long (surgical)
	010	Inverted cone
	019	Inverted cone shouldered
	032	Combined double cone with connected cones in the top
	037	Double cone, symmetric, short
	040	Wheel
	067	Wheel, half round ring
	107	Cylindrical (form), side and end cutting
	126	Cylindrical, point end
	137	Cylindrical, semi-spherical end
	164	Cone, peak, thin
	168	Cone (truncated cone)
	194	Cone, domical (semi-spherical) end
	219	Cone, Safe end, only side cutting
	225	Inverted cone
	237	Pear
	243	Flame, standard
	245	Cylindrical, pointed, long
	254	Bud
	260	Bud rounded
	266	Bud, rounded, long
	272	Bullet
	277	Egg
	294	Torpedo cone
	303	Lens
	465	Interdental bur
	551, 552	Cylindrical with a wavy working part
	554, 555	Cone with a wavy working part

DENTISTRY

PROPHYLAXIS



ORTHODONTIC



MAXILLARY SURGERY

CONSERVATIVE DENTISTRY

PREPARATION OF LOSSES



REMOVE OF OLD FILLINGS



SMOOTHING FILLINGS



GRINDING THE CROWNS

STERILIZATION AND DISINFECTION

AUTOCLAVE 135 °C



THERMAL STERILIZATION





















ULTRASONIC WASHER











BATH IN PREPARATION FOR DISINFECTION

Surgical Round

001	Head Ø	Grit	Code
Total Length	19 mm		
	012		DA1M
	012		DA1C
	014		DA2M
	014		DA2C
	016		DA3SF
	018		DA3M
	018		DA3C
	023		DA4SF
	023		DA4M







Surgical Long Round













001	Head Ø	Grit	Code
Total Length	24 mm		
	012		DA1LC
	014		DA2LC
	018		DA3LC
	023		DA4LC







Barrel (Double Cone, Symmetric, Short)

037	Head Ø	Work length	Grit	Code
Total Length	19.0 mm			
	033	4.0		DM4M
	033	4.0		DM4C


Cylindrical (form), Side and End Cutting











107	Head Ø	Work length	Grit	Code
Total Length	19.0 mm			
	010	4.0		DD1M
	010	4.0		DD1C
	016	4.0		DD2M
	016	4.0		DD2C
Total Length	21.0 mm			
	014	6.0		DD3C
Total Length	22.0 mm			
	014	8.0		DD4C


Cylindrical, Point End

126	Head Ø	Work length	Grit	Code
Total Length	21.0 mm			
	012	8.0		DE7M
	012	8.0		DE7C



















Cylindrical, Pointed, Long

245	Head Ø	Work length	Grit	Code
Total Length	22.0 mm			
	010	8.0		DE5SF
	014	8.0		DE5M
	014	8.0		DE5C
	016	8.0		DE6M
	016	8.0		DE6C





Cone, Needle, Thin



















164	Head Ø	Work length	Grit	Code
Total Length	21.0 mm			
	012	8.0		DE1M
	012	8.0		DE1C
	014	8.0		DE2M
	014	8.0		DE2C
Total Length	24.0 mm			
	014	10.0		DE3SF
	014	10.0		DE3F
Total Length	25.0 mm			
	016	11.5		DE3M
	016	11.5		DE3C



X-Mas Tree







164	Head Ø	Work length	Grit	Code
Total Length	21.0 mm			
	040	10.0		DK3M


Cone, Domical (Semi-spherical) End

197	Head Ø	Work length	Grit	Code
Total Length	22.0 mm			
	016	6.0		DC2F
	018	6.0		DC2M
	018	6.0		DC2C
Total Length	23.0 mm			
	012	8.0		DC1F
	012	8.0		DC1M
	012	8.0		DC1C
	023	8.0		DC3M
	023	8.0		DC3C
Total Length	25.0 mm			
	021	10.0		DC4C











Cone (Truncated Cone)

168	Head Ø	Work length	Grit	Code
Total Length	24.0 mm			
	016	10.0		DF1M
	016	10.0		DF1C
	018	10.0		DF2M











Cone, Domical (Semi-spherical) End

199	Head Ø	Work length	Grit	Code
Total Length	25.0 mm			
	016	10.0		DF1RM
	016	10.0		DF1RC
	018	10.0		DF2RM
	018	10.0		DF2RC











Inverted Cone







110	Head Ø	Work length	Grit	Code
Total Length	19.0 mm			
	012	1.6		DB1M
	012	1.6		DB1C
	018	1.6		DB2M
	021	2.3		DB2C













Inverted Cone

225	Head Ø	Work length	Grit	Code
Total Length	19.0 mm			
	014	4.0		DB3M
	014	4.0		DB3C
	018	7.5		DB4M
	018	7.5		DB4C


Bud

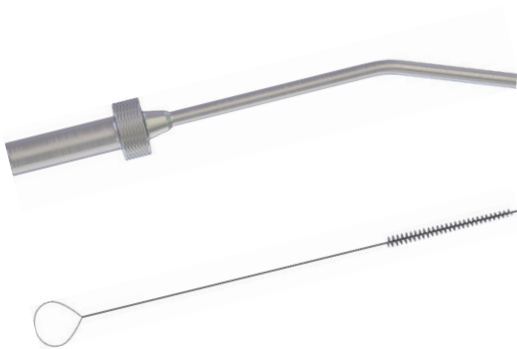
254	Head Ø	Work length	Grit	Code
Total Length	19.0 mm			
	021	5.0		DK2SF
	023	5.0		DK2M
	023	5.0		DK2C


Torpedo Cone

294	Head Ø	Work length	Grit	Code
Total Length	22.0 mm			
	014	8.0		DS2C
Total Length	24.0 mm			
	012	10.0		DS3C
	014	10.0		DS1M
	014	10.0		DS1C
	018	10.0		DT6C



DEGRANULATION SYSTEM



Degranulation Burs Kit

It is absolutely necessary to get a full debridement clean surface, and it can be achieved using the Degranulation Burs.

Degranulation Burs will remove all soft tissue from the socket walls and at the same time encourage bleeding (osteogenesis). This will allow to attain a faster healing process.







Degranulation Burs designed morphologically with a diamond nano-coating to tear out all the remnants of soft tissue without grabbing, tearing or do any harm to the bone surface. Now you can work faster, smoother and more accurate than ever, delivering only the best results for your patients.

Features:

- The debridement process is done quickly and effectively.
- Multi-use unique suction which is designed exclusively for excellent direct visualization of the infected area to ensure optimal debridement.
- Designed morphologically to remove soft tissues without harming the bone.
- Excellent for preparing a defect for bone grafting materials.
- Multi-task drills can be used in implantology, periodontal surgery, endodontic surgery, and root removal.
- Maximum safety when working near the anatomical structure.
- Reusable up to 100 procedures.

Degranulation Burs Kit

Product	Code
DSI Degranulation Burs (all size)	DG-BUR
DSI Degranulation Kit: burs (all size), cleaning brush and a suction tube	DG-BUR-K

Product	Size, Ø mm
	Bur 1.0 mm
	Bur 2.5 mm
	Bur 3.0 mm
	Bur 3.5 mm
	Cleaning brush
	Suction tube

IPR SYSTEMS

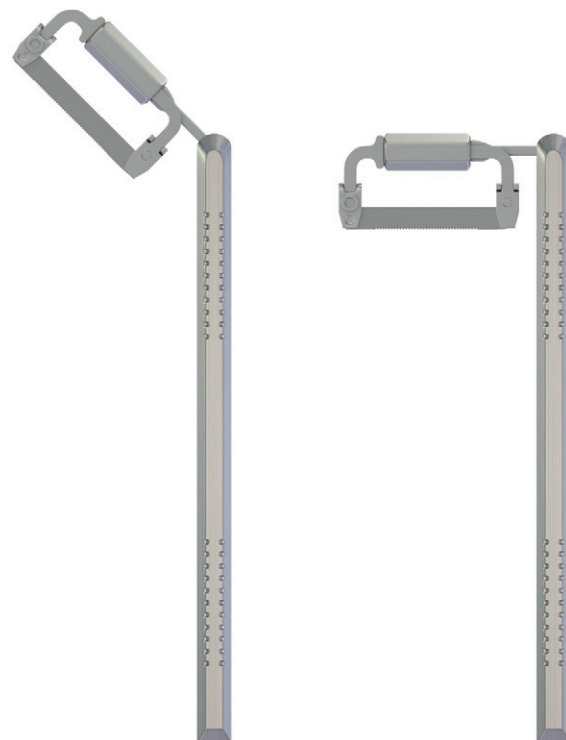
ADJUSTMENT AND FINISHING

DSI ProxiStrip

DSI IPR Strip System is an innovative, precision dental strip system designed to achieve ideal proximal contact adjustment and complete marginal seating of crowns, veneers, inlays/onlays, and proximal contouring of composite fillings accurately with minimal time and effort. ProxiStrip IPR Strip System makes interproximal enamel stripping safe and accurate without creating sharp corners or subgingival ledges. Designed for use with orthodontic treatments, these flexible strips curve and conform to the natural contours of the teeth to maximize patient comfort and safety.







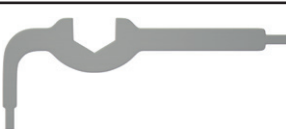
The ProxiStrip comes with a sawtooth edge strip (Blade) for cutting through, and three different types of an abrasive corrugated surface strip for cleaning the interdental space and polishing the teeth surface. Also, the kit includes the key to the holder for opening and closing.

The main advantage of the DSI ProxiStrip System is the long handle that gives you the option to get to hard to reach areas and difficult angles. With it, you can operate at a long distance and be able to get even to the farthest oral areas. It also gives the ability to operate in angle axis up to 90°, which greatly reduces the time spent on any dental operation. There is no other system equipped with such a device.



Versatile joint connection – up to 90° angle from the handle axis for maximum performance.

ProxiStrip IPR System

Content	Type	Length, mm	Code
	ProxyStrip Long Handle	120.0 mm	IPR-PSH
	ProxyStrip Sawtooth Blade	30.0 mm	IPR-ST2
	Abrasive Strip (Coarse)	30.0 mm	IPR-ASC2
	Abrasive Strip (Medium)	30.0 mm	IPR-ASM2
	Abrasive Strip (Fine)	30.0 mm	IRP-ASF2
	Strip Holder	42.0 mm	
	ProxyStrip Key	40.0 mm	
FULL KIT (WITH STRIPS & HOLDER)			IPR-PS

DSI ProxiCut

DSI Proxicut is an innovative, precision dental strip system designed to achieve ideal proximal contact adjustment and complete marginal seating of crowns, veneers, inlays/onlays, and proximal contouring of composite fillings accurately with minimal time and effort.

Proxicut IPR Strip System makes interproximal enamel stripping safe and accurate without creating sharp corners or subgingival ledges. Designed for use with orthodontic treatments, these flexible strips curve and conform to the natural contours of the teeth to maximize patient comfort and safety.






The proxicut comes with a sawtooth edge strip(Blade) for cutting through, and abrasive corrugated surface strip for cleaning the interdental space and polishing the teeth surface.

Advantages:

- Single-handed, ergonomic design offers optimal tactile control and reduces hand fatigue.
- Eliminates the need to hold small restorations and use rotary instruments or articulating films.
- Central opening for enhanced visual perception and access for tools.
- Patient-friendly design prevents gagging and soft tissue irritation.
- Flexible strips conform to the natural contours of the teeth to avoid creating sharp corners.
- Autoclavable and reusable.
- Will not remove excessive enamel.
- Saves chair-time.
- Effective both in anterior and posterior areas.



Proxicut IPR System

Content	Type	Length, mm	Code
	Titanium Strip Holder	48.0 mm	IPR-SH
	Sawtooth Blade (0.05 mm thick)	32.0 mm	IPR-ST
	Abrasive Strip (Coarse)	32.0 mm	IPR-ASC
	Abrasive Strip (Medium)	32.0 mm	IPR-ASM
	Abrasive Strip (Fine)	32.0 mm	IPR-ASF
FULL KIT (WITH 24 STRIPS)			IPR-SH-24

DIAMOND POLISHING PASTE

Diamond Polishing Paste

DSI Diamond Paste is known to be an exceptionally designed, extra-fine diamond grit sticky stuff with very even, splatter-resistant reliability for simplicity.

It is perfect for the treatment of extensive composite surfaces and also to help avert composite fillers from being pulled or detached through the material surface.

Paste contains diamond particles to achieve high shine appearance.

The polishing paste can polish ceramics, metals and composite restorations.

Firm, one-step final polishing and extraordinary gloss shining – in mere 16 seconds give an enamel-like finish.

This diamond polishing paste works faster to give exceptional esthetic results. The diamond polishing paste is recommended for lab or clinic use.

Forget the old-fashioned aluminum-oxide polishing pastes! It can be applied with the enclosed nylon brush, or maybe a prophylaxis cup, having a low-speed handpiece.

FEATURES:

- Final polishing and high gloss shining for all those surfaces of esthetic/composite dental materials.
- Can be engaged on enamel, porcelain and all sorts of other esthetic restorative materials.
- Used with a nylon brush or prophylaxis cup.
- Polishing Paste is made with Applied Diamond Technology and is a one-step or two-step universal polishing paste.
- The diamond paste is extremely loaded with extra-fine diamond abrasive particles, averaging 3 microns, which limits the micro-roughness on the surface without abrading the enamel or dentin.
- Very small particle size offers an ultra-smooth surface with respectable polish. In addition, It limits the adherence of plaque and bacteria and the subsequent development of gingivitis and periodontal disease.
- Virtually splatter-free.



Product	Code
DSI Diamond Paste, 2 syringes x 4 g	DIA-PASTE
DSI Diamond Paste Fine, 4 g syringe	DIA-PASTE-F
DSI Diamond Paste Coarse, 4 g syringe	DIA-PASTE-C