

Perfect Drills for Perfect Implants





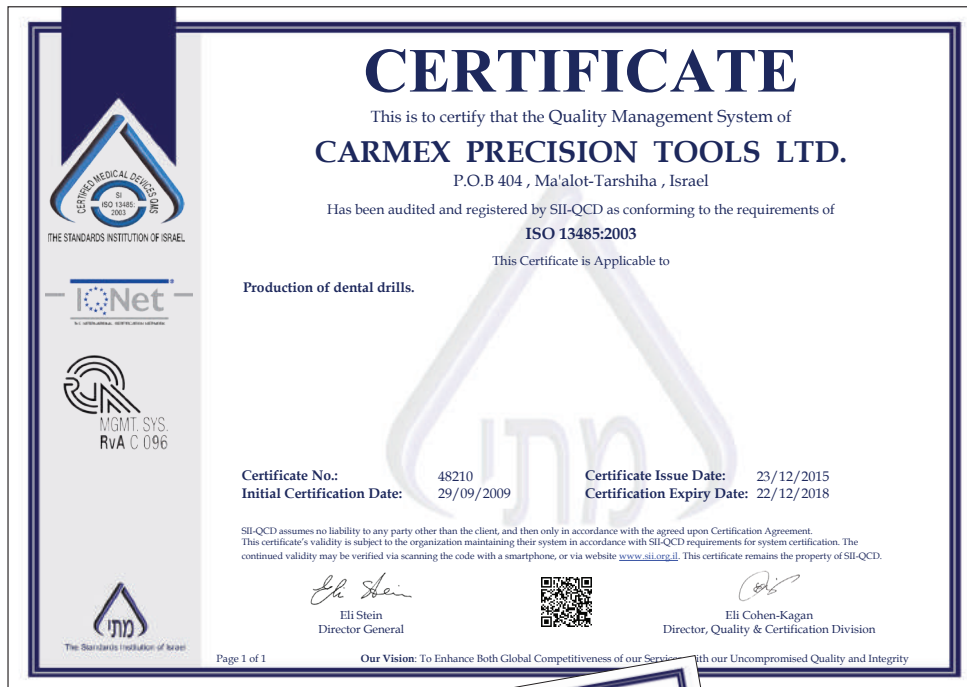
Product Lines

Coated Drills
Conical Drills
Countersinks
Drill Extenders
Drill Stoppers
Gang Drills
Guided Drills
Lance Drills
Long Drill
Marking Drills
Round Burrs
Short Drills
Step Drills
Tissue Punch
Trephine Burrs
Twist Drills
Bone Profiler
Customized Drills
Single Use Drills

Carmex Precision Cutting Tools is a worldwide leading manufacturer of top quality cutting tools for machining medical products, semi-conductor components, aviation and automotive parts. The company was founded in 1988 and has since then continually grown, employing a dynamic team of creative designers, research and development engineers and a world standard quality control department - all under one roof. Our experience in producing precision cutting tools has been the catalyst for the developing and manufacturing of dental implant drills and specialized surgical instruments.

Carmex Precision Medical Drills manufactures a wide range of medical drills at our state-of-the-art machine center facility. Our products and the service we provide, live up to the highest standards and outperform them. Most of our customer's requirements are supplied immediately from our readily available stock.

- All drills are manufactured from high quality surgical materials
- Drills are marked by laser for easy identification
- Depth marks are shown with grooves and laser
- All drills undergo an anti-rust process
- Drills are color coded
- Internal and External irrigation available
- Dimensions correspond with universal dental standards
- Suitable to use with all types of dental implants
- Diameter range 1.2 mm to 8.0 mm
- Wide range of standard drills in stock
- Special inquiries for unique designs are always welcome



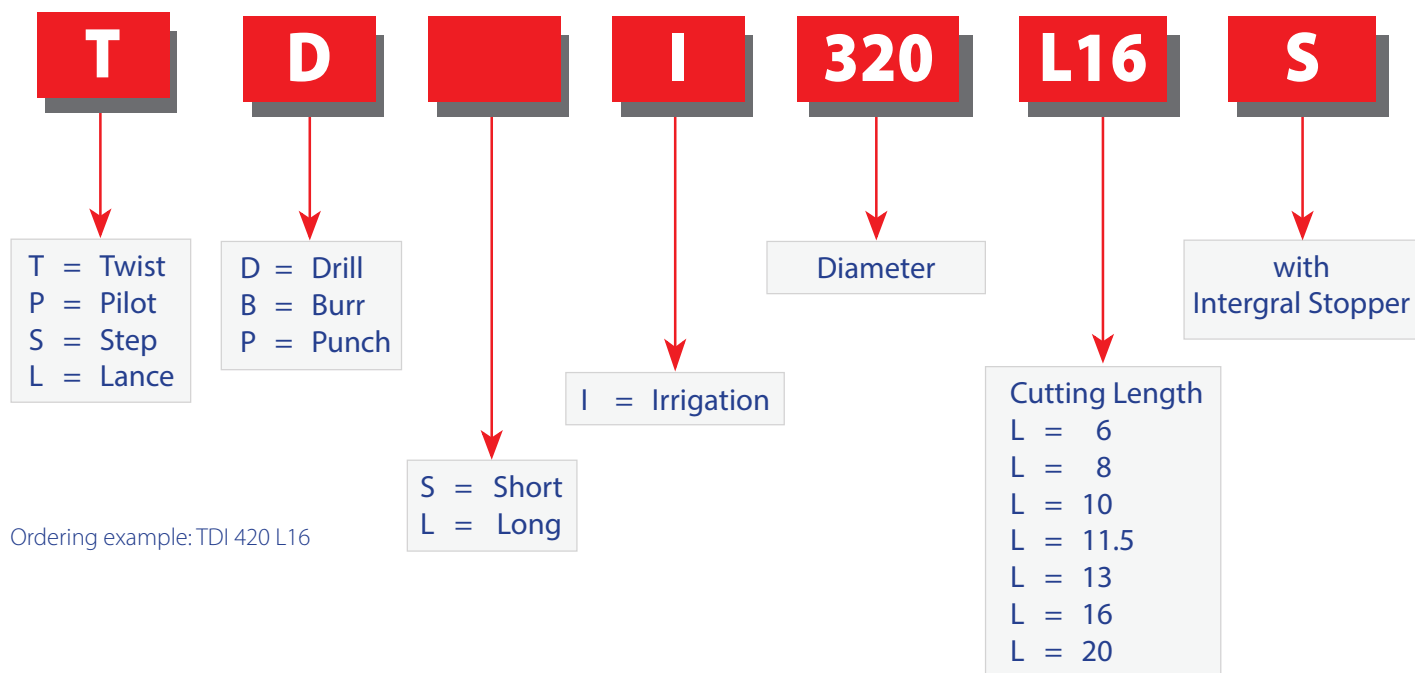
In addition to Carmex's
unyielding strive for high
quality, good service and
reliability; we are certified by:

ISO 13485:2003
ISO 9001:2015
ISO 14001:2015
OHSAS 18001:2007
CE directive 93/42/EEC

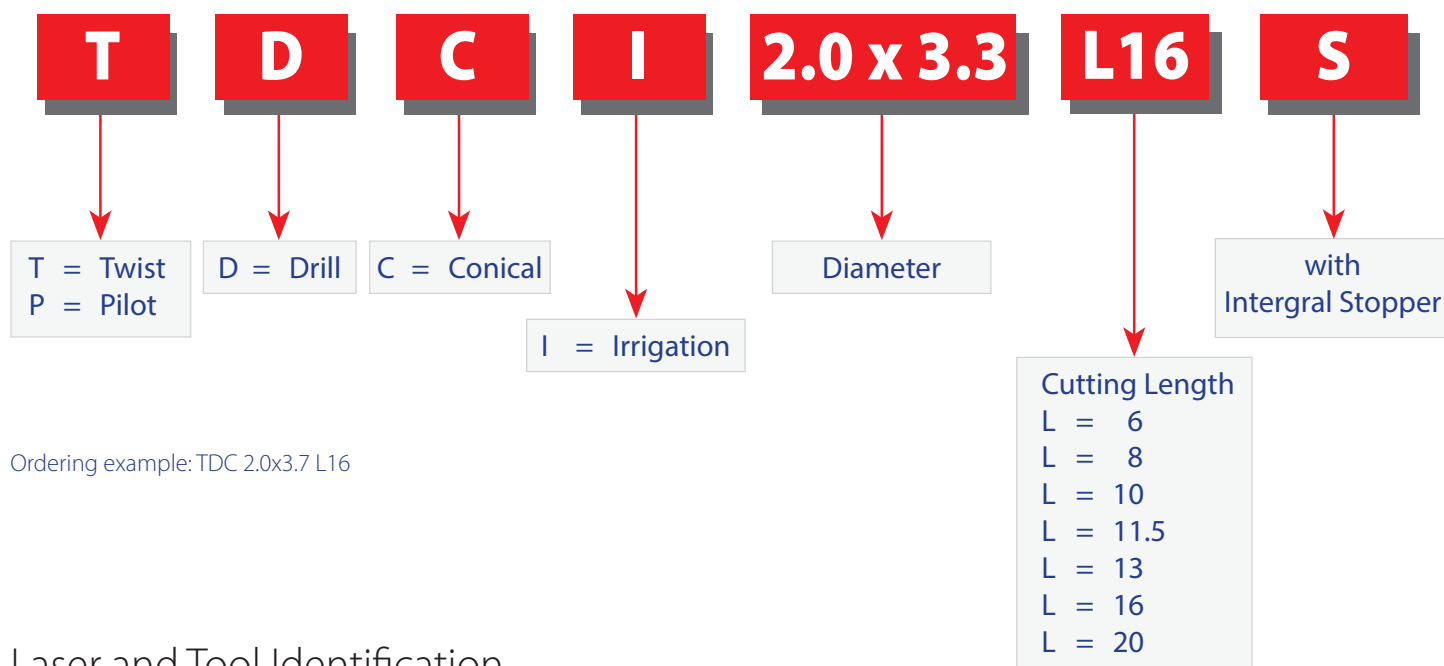


CE 0470

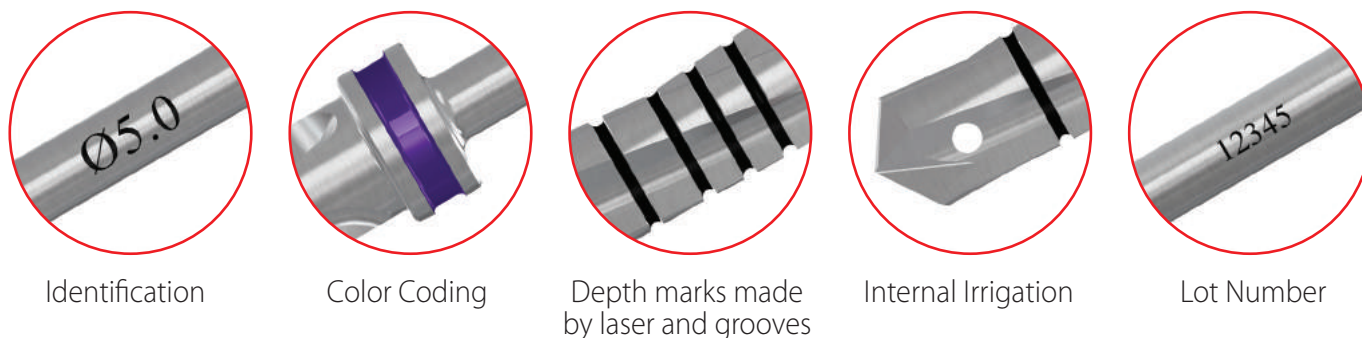
Ordering Key for Implant Drills



Ordering Key for Implant Conical Drills



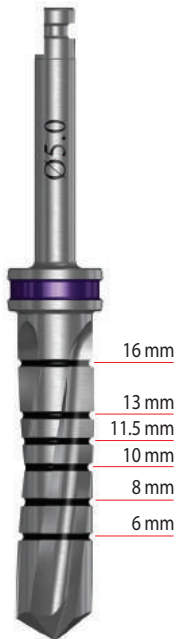
Laser and Tool Identification



Drills for Dental Implants

Drills with External Irrigation

Dia.	Ordering code
2.00	PD 200 L16
2.50	TD 250 L16
2.80	TD 280 L16
3.00	TD 300 L16
3.20	TD 320 L16
3.30	TD 330 L16
3.50	TD 350 L16
3.65	TD 365 L16
3.80	TD 380 L16
4.00	TD 400 L16
4.10	TD 410 L16
4.20	TD 420 L16
4.30	TD 430 L16
4.50	TD 450 L16
4.80	TD 480 L16
5.00	TD 500 L16
5.20	TD 520 L16
5.50	TD 550 L16
5.80	TD 580 L16



Order example: TD 280 L16

Drills with Internal Irrigation

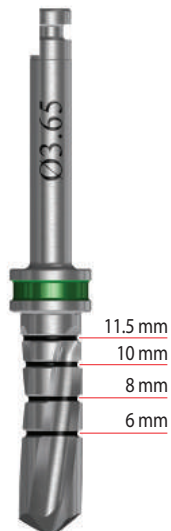
Dia.	Ordering code
2.00	PDI 200 L16
2.50	TDI 250 L16
2.80	TDI 280 L16
3.00	TDI 300 L16
3.20	TDI 320 L16
3.30	TDI 330 L16
3.50	TDI 350 L16
3.65	TDI 365 L16
3.80	TDI 380 L16
4.00	TDI 400 L16
4.10	TDI 410 L16
4.20	TDI 420 L16
4.30	TDI 430 L16
4.50	TDI 450 L16
4.80	TDI 480 L16
5.00	TDI 500 L16
5.20	TDI 520 L16
5.50	TDI 550 L16
5.80	TDI 580 L16



Order example: TDI 300 L16

Short Drills with External Irrigation

Dia.	Ordering code
2.00	PDS 200 L11.5
2.50	TDS 250 L11.5
2.80	TDS 280 L11.5
3.00	TDS 300 L11.5
3.20	TDS 320 L11.5
3.30	TDS 330 L11.5
3.50	TDS 350 L11.5
3.65	TDS 365 L11.5
3.80	TDS 380 L11.5
4.00	TDS 400 L11.5
4.10	TDS 410 L11.5
4.20	TDS 420 L11.5
4.30	TDS 430 L11.5
4.50	TDS 450 L11.5
4.80	TDS 480 L11.5
5.00	TDS 500 L11.5
5.20	TDS 520 L11.5
5.50	TDS 550 L11.5
5.80	TDS 580 L11.5



Order example: TDS 250 L11.5

Short Drills with Internal Irrigation

Dia.	Ordering code
2.00	PDSI 200 L11.5
2.50	TDSI 250 L11.5
2.80	TDSI 280 L11.5
3.00	TDSI 300 L11.5
3.20	TDSI 320 L11.5
3.30	TDSI 330 L11.5
3.50	TDSI 350 L11.5
3.65	TDSI 365 L11.5
3.80	TDSI 380 L11.5
4.00	TDSI 400 L11.5
4.10	TDSI 410 L11.5
4.20	TDSI 420 L11.5
4.30	TDSI 430 L11.5
4.50	TDSI 450 L11.5
4.80	TDSI 480 L11.5
5.00	TDSI 500 L11.5
5.20	TDSI 520 L11.5
5.50	TDSI 550 L11.5
5.80	TDSI 580 L11.5



Order example: TDSI 365 L11.5

Drills for Dental Implants

Long Drills with External Irrigation

Dia.	Ordering code
2.00	PDL 200 L20
2.50	TDL 250 L20
2.80	TDL 280 L20
3.00	TDL 300 L20
3.20	TDL 320 L20
3.30	TDL 330 L20
3.65	TDL 365 L20
3.80	TDL 380 L20
4.00	TDL 400 L20
4.20	TDL 420 L20
4.50	TDL 450 L20
4.80	TDL 480 L20
5.00	TDL 500 L20
5.20	TDL 520 L20
5.50	TDL 550 L20

Order example: TDL 420 L20



Long Drills with Internal Irrigation

Dia.	Ordering code
2.00	PDLI 200 L20
2.50	TDLI 250 L20
2.80	TDLI 280 L20
3.00	TDLI 300 L20
3.20	TDLI 320 L20
3.30	TDLI 330 L20
3.65	TDLI 365 L20
3.80	TDLI 380 L20
4.00	TDLI 400 L20
4.20	TDLI 420 L20
4.50	TDLI 450 L20
4.80	TDLI 480 L20
5.00	TDLI 500 L20
5.20	TDLI 520 L20
5.50	TDLI 550 L20

Order example: TDLI 320 L16



Conical Drills with External Irrigation

Dia.	Ordering code
2.20	TDC 1.6 x 2.2 L16
2.40	TDC 1.8 x 2.4 L16
2.50	TDC 1.8 x 2.5 L16
2.70	TDC 1.6 x 2.7 L16
2.80	TDC 1.8 x 2.8 L16
2.80	TDC 2.0 x 2.8 L16
3.20	TDC 2.0 x 3.2 L16
3.20	TDC 2.3 x 3.2 L16
3.30	TDC 2.0 x 3.3 L16
3.70	TDC 2.5 x 3.7 L16
4.00	TDC 2.7 x 4.0 L16
4.50	TDC 2.7 x 4.5 L16
5.00	TDC 2.9 x 5.0 L16
5.50	TDC 3.1 x 5.5 L16

Order example: TDC 2.7 x 4.5 L16



Conical Drills with Internal Irrigation

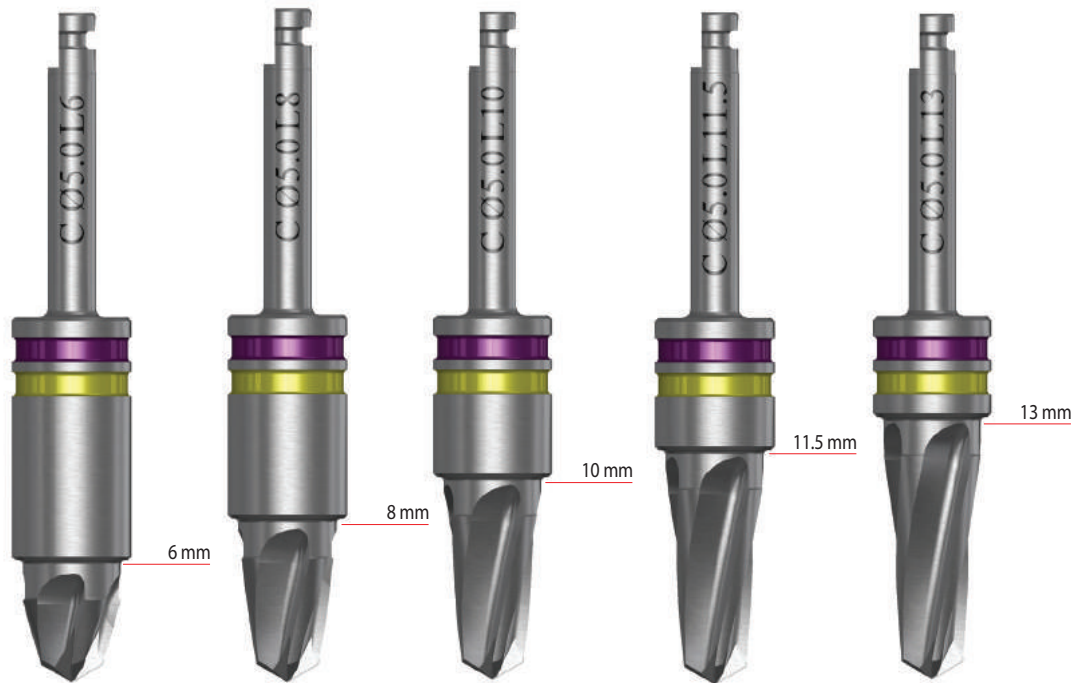
Dia.	Ordering code
2.20	TDCI 1.6 x 2.2 L16
2.40	TDCI 1.8 x 2.4 L16
2.50	TDCI 1.8 x 2.5 L16
2.70	TDCI 1.6 x 2.7 L16
2.80	TDCI 1.8 x 2.8 L16
2.80	TDCI 2.0 x 2.8 L16
3.20	TDCI 2.0 x 3.2 L16
3.20	TDCI 2.3 x 3.2 L16
3.30	TDCI 2.0 x 3.3 L16
3.70	TDCI 2.5 x 3.7 L16
4.00	TDCI 2.7 x 4.0 L16
4.50	TDCI 2.7 x 4.5 L16
5.00	TDCI 2.9 x 5.0 L16
5.50	TDCI 3.1 x 5.5 L16

Order example: TDCI 1.8 x 2.8 L16



Drills with Integral Stoppers

Conical Drills with External Irrigation



Dia.	L	Ordering code
1.6 x 2.2	6	TDC 1.6 x 2.2 L 6 S
1.6 x 2.2	8	TDC 1.6 x 2.2 L 8 S
1.6 x 2.2	10	TDC 1.6 x 2.2 L 10 S
1.6 x 2.2	11.5	TDC 1.6 x 2.2 L 11.5 S
1.6 x 2.2	13	TDC 1.6 x 2.2 L 13 S
1.9 x 2.7	6	TDC 1.9 x 2.7 L 6 S
1.9 x 2.7	8	TDC 1.9 x 2.7 L 8 S
1.9 x 2.7	10	TDC 1.9 x 2.7 L 10 S
1.9 x 2.7	11.5	TDC 1.9 x 2.7 L 11.5 S
1.9 x 2.7	13	TDC 1.9 x 2.7 L 13 S
2.1 x 3.3	6	TDC 2.1 x 3.3 L 6 S
2.1 x 3.3	8	TDC 2.1 x 3.3 L 8 S
2.1 x 3.3	10	TDC 2.1 x 3.3 L 10 S
2.1 x 3.3	11.5	TDC 2.1 x 3.3 L 11.5 S
2.1 x 3.3	13	TDC 2.1 x 3.3 L 13 S
2.5 x 3.7	6	TDC 2.5 x 3.7 L 6 S
2.5 x 3.7	8	TDC 2.5 x 3.7 L 8 S
2.5 x 3.7	10	TDC 2.5 x 3.7 L 10 S
2.5 x 3.7	11.5	TDC 2.5 x 3.7 L 11.5 S
2.5 x 3.7	13	TDC 2.5 x 3.7 L 13 S

Dia.	L	Ordering code
2.5 x 4.0	6	TDC 2.5 x 4.0 L 6 S
2.5 x 4.0	8	TDC 2.5 x 4.0 L 8 S
2.5 x 4.0	10	TDC 2.5 x 4.0 L 10 S
2.5 x 4.0	11.5	TDC 2.5 x 4.0 L 11.5 S
2.5 x 4.0	13	TDC 2.5 x 4.0 L 13 S
2.5 x 4.5	6	TDC 2.5 x 4.5 L 6 S
2.5 x 4.5	8	TDC 2.5 x 4.5 L 8 S
2.5 x 4.5	10	TDC 2.5 x 4.5 L 10 S
2.5 x 4.5	11.5	TDC 2.5 x 4.5 L 11.5 S
2.5 x 4.5	13	TDC 2.5 x 4.5 L 13 S
3.0 x 5.0	6	TDC 3.0 x 5.0 L 6 S
3.0 x 5.0	8	TDC 3.0 x 5.0 L 8 S
3.0 x 5.0	10	TDC 3.0 x 5.0 L 10 S
3.0 x 5.0	11.5	TDC 3.0 x 5.0 L 11.5 S
3.0 x 5.0	13	TDC 3.0 x 5.0 L 13 S

Order example: TDC 1.9 x 2.7 L10 S

Drills with Integral Stoppers

Parallel Drills with External Irrigation



Dia	L	Ordering code	Dia	L	Ordering code	Dia	L	Ordering code
2.0	6	PD 200 L 6 S	3.65	6	TD 365 L 6 S	4.2	6	TD 420 L 6 S
2.0	8	PD 200 L 8 S	3.65	8	TD 365 L 8 S	4.2	8	TD 420 L 8 S
2.0	10	PD 200 L 10 S	3.65	10	TD 365 L 10 S	4.2	10	TD 420 L 10 S
2.0	11.5	PD 200 L 11.5 S	3.65	11.5	TD 365 L 11.5 S	4.2	11.5	TD 420 L 11.5 S
2.0	13	PD 200 L 13 S	3.65	13	TD 365 L 13 S	4.2	13	TD 420 L 13 S
2.5	6	TD 250 L 6 S	3.8	6	TD 380 L 6 S	4.3	6	TD 430 L 6 S
2.5	8	TD 250 L 8 S	3.8	8	TD 380 L 8 S	4.3	8	TD 430 L 8 S
2.5	10	TD 250 L 10 S	3.8	10	TD 380 L 10 S	4.3	10	TD 430 L 10 S
2.5	11.5	TD 250 L 11.5 S	3.8	11.5	TD 380 L 11.5 S	4.3	11.5	TD 430 L 11.5 S
2.5	13	TD 250 L 13 S	3.8	13	TD 380 L 13 S	4.3	13	TD 430 L 13 S
2.8	6	TD 280 L 6 S	4.0	6	TD 400 L 6 S	4.5	6	TD 450 L 6 S
2.8	8	TD 280 L 8 S	4.0	8	TD 400 L 8 S	4.5	8	TD 450 L 8 S
2.8	10	TD 280 L 10 S	4.0	10	TD 400 L 10 S	4.5	10	TD 450 L 10 S
2.8	11.5	TD 280 L 11.5 S	4.0	11.5	TD 400 L 11.5 S	4.5	11.5	TD 450 L 11.5 S
2.8	13	TD 280 L 13 S	4.0	13	TD 400 L 13 S	4.5	13	TD 450 L 13 S
3.2	6	TD 320 L 6 S	4.1	6	TD 410 L 6 S	5.0	6	TD 500 L 6 S
3.2	8	TD 320 L 8 S	4.1	8	TD 410 L 8 S	5.0	8	TD 500 L 8 S
3.2	10	TD 320 L 10 S	4.1	10	TD 410 L 10 S	5.0	10	TD 500 L 10 S
3.2	11.5	TD 320 L 11.5 S	4.1	11.5	TD 410 L 11.5 S	5.0	11.5	TD 500 L 11.5 S
3.2	13	TD 320 L 13 S	4.1	13	TD 410 L 13 S	5.0	13	TD 500 L 13 S

Order example: PD 200 L 8 S

Order example: TD 320 L 11.5 S

Drills with Integral Stoppers

Parallel Drills with Internal Irrigation



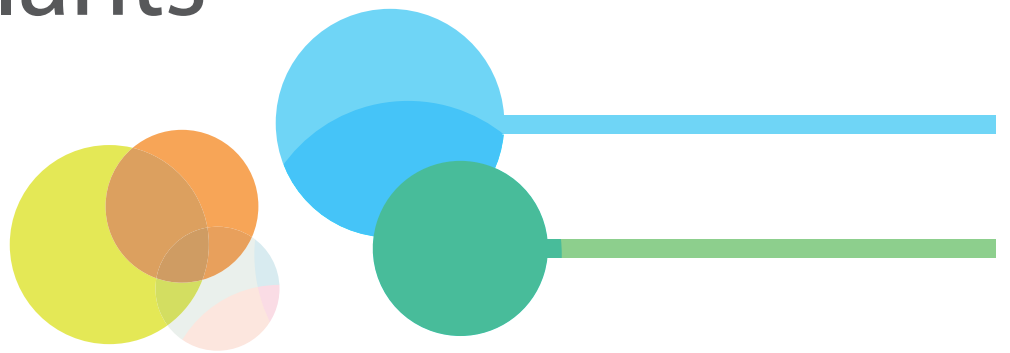
Dia	L	Ordering code	Dia	L	Ordering code	Dia	L	Ordering code
2.0	6	PDI 200 L 6 S	3.65	6	TDI 365 L 6 S	4.2	6	TDI 420 L 6 S
2.0	8	PDI 200 L 8 S	3.65	8	TDI 365 L 8 S	4.2	8	TDI 420 L 8 S
2.0	10	PDI 200 L 10 S	3.65	10	TDI 365 L 10 S	4.2	10	TDI 420 L 10 S
2.0	11.5	PDI 200 L 11.5 S	3.65	11.5	TDI 365 L 11.5 S	4.2	11.5	TDI 420 L 11.5 S
2.0	13	PDI 200 L 13 S	3.65	13	TDI 365 L 13 S	4.2	13	TDI 420 L 13 S
2.5	6	TDI 250 L 6 S	3.8	6	TDI 380 L 6 S	4.3	6	TDI 430 L 6 S
2.5	8	TDI 250 L 8 S	3.8	8	TDI 380 L 8 S	4.3	8	TDI 430 L 8 S
2.5	10	TDI 250 L 10 S	3.8	10	TDI 380 L 10 S	4.3	10	TDI 430 L 10 S
2.5	11.5	TDI 250 L 11.5 S	3.8	11.5	TDI 380 L 11.5 S	4.3	11.5	TDI 430 L 11.5 S
2.5	13	TDI 250 L 13 S	3.8	13	TDI 380 L 13 S	4.3	13	TDI 430 L 13 S
2.8	6	TDI 280 L 6 S	4.0	6	TDI 400 L 6 S	4.5	6	TDI 450 L 6 S
2.8	8	TDI 280 L 8 S	4.0	8	TDI 400 L 8 S	4.5	8	TDI 450 L 8 S
2.8	10	TDI 280 L 10 S	4.0	10	TDI 400 L 10 S	4.5	10	TDI 450 L 10 S
2.8	11.5	TDI 280 L 11.5 S	4.0	11.5	TDI 400 L 11.5 S	4.5	11.5	TDI 450 L 11.5 S
2.8	13	TDI 280 L 13 S	4.0	13	TDI 400 L 13 S	4.5	13	TDI 450 L 13 S
3.2	6	TDI 320 L 6 S	4.1	6	TDI 410 L 6 S	5.0	6	TDI 500 L 6 S
3.2	8	TDI 320 L 8 S	4.1	8	TDI 410 L 8 S	5.0	8	TDI 500 L 8 S
3.2	10	TDI 320 L 10 S	4.1	10	TDI 410 L 10 S	5.0	10	TDI 500 L 10 S
3.2	11.5	TDI 320 L 11.5 S	4.1	11.5	TDI 410 L 11.5 S	5.0	11.5	TDI 500 L 11.5 S
3.2	13	TDI 320 L 13 S	4.1	13	TDI 410 L 13 S	5.0	13	TDI 500 L 13 S

Order example: PDI 200 L 8 S

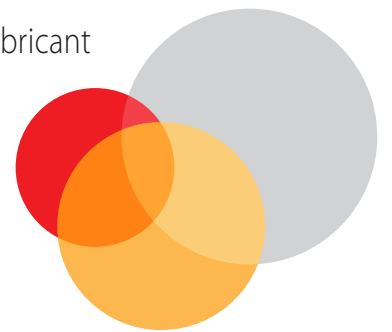
Order example: TDI 320 L 11.5 S

DNT²

premium coated drills for dental implants



- Multi-layer **dark grey** coating
- Manufactured from high quality surgical material
- Clear depth marking due to high contrast
- High corrosion resistant
- Smooth cutting due to hard carbon lubricant
- Decreases the cutting temperature
- Very long tool life
- Internal or external irrigation
- Laser marking for easy identification
- Color coded
- Diameter range 1.2 mm to 8.0 mm
- Increases the apex stability of the implant
- Best choice for immediate implanting after extraction
- Suitable for use with all types of dental implants



Step and Twist Drills

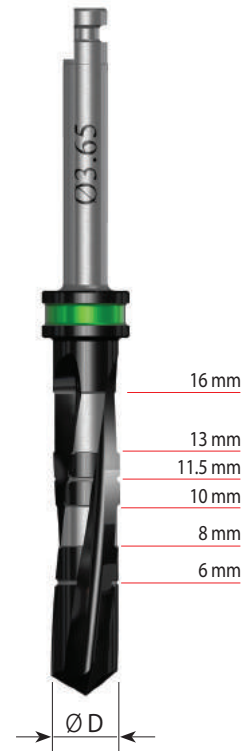
Step Drills coated



D1	D2	Ordering code
2.00	2.00	PD 200 L16 C
2.00	2.40	SD 2024 L16 C
2.00	2.80	SD 2028 L16 C
2.30	2.80	SD 2328 L16 C
2.80	3.20	SD 2832 L16 C
3.20	3.60	SD 3236 L16 C
3.20	3.70	SD 3237 L16 C
3.60	4.00	SD 3640 L16 C
3.60	4.20	SD 3642 L16 C
4.00	4.50	SD 4045 L16 C
4.20	4.60	SD 4246 L16 C
4.60	5.20	SD 4652 L16 C
5.20	5.60	SD 5256 L16 C

Order example: SD 2832 L16C

Twist Drills coated



D	Ordering code
2.00	PD 200 L16 C
2.50	TD 250 L16 C
2.80	TD 280 L16 C
3.00	TD 300 L16 C
3.20	TD 320 L16 C
3.30	TD 330 L16 C
3.65	TD 365 L16 C
3.80	TD 380 L16 C
4.00	TD 400 L16 C
4.10	TD 410 L16 C
4.20	TD 420 L16 C
4.30	TD 430 L16 C
4.50	TD 450 L16 C
4.60	TD 460 L16 C
4.80	TD 480 L16 C
5.00	TD 500 L16 C
5.20	TD 520 L16 C
5.50	TD 550 L16 C
5.80	TD 580 L16 C

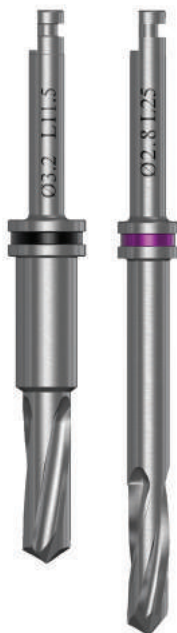
Order example: TD 365 L16C

Special Customized Drills

Final Drills



Guiding Drills



Tapered Parallel



Countersink



Extra Long Drills



Ordering Key for Implant Drill Stoppers

S

280

L8

S = Stopper

Drill Dia.

Implant Length

Ordering example: S 280 L11.5

Drill Stoppers



S 280 L16



S 280 L13



S 280 L11.5



S 280 L10



S 280 L8



S 280 L6

Surgical Tools

Lance Drills



Marking Drills



Drill Extender



Trephine Burrs



Tissue Punch

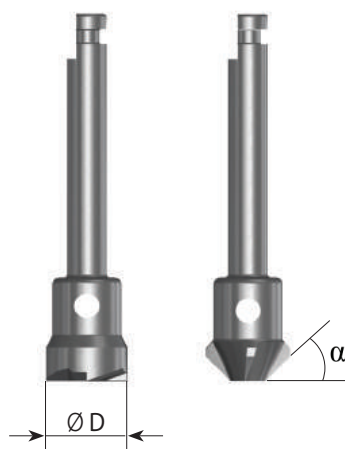


LD 120 L13	LD 120 L16	MDI 1.90	TDE	TB 3.0 x 4.0 L16	TP 3.0
LD 150 L13	LD 150 L16	MDLI 1.90	TDEI	TB 4.0 x 5.0 L16	TP 4.0
LD 200 L13	LD 200 L16			TB 5.0 x 6.0 L16	TP 4.5
					TP 5.0

Round Burrs



Bone Profilers



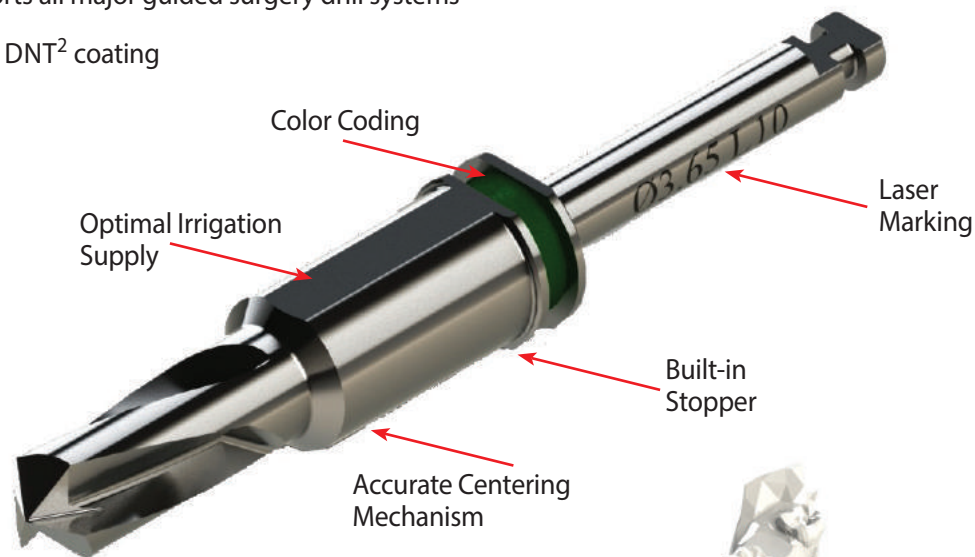
Countersink



RB 1.2	Carmex Bone Profilers are available in a wide range of angles and diameters. Dia. 3 - 6 mm Angle: 30°, 45°, 60°, 90°	CD 3.2	CD 3.75 x 4.2
RB 1.6		CD 3.75	CD 5.0 x 6.0
RB 2.0		CD 4.2	
RB 2.3		CD 5.0	
RB 3.0		CD 6.0	
RB 4.0			

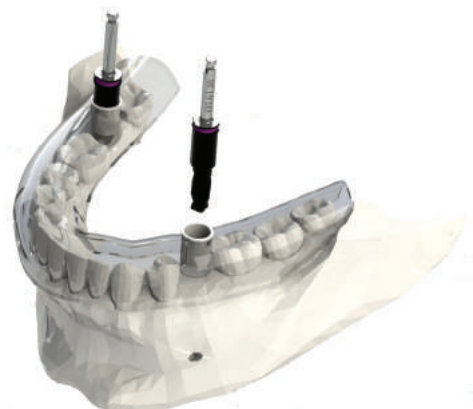
Guided Surgery Drills

- Carmex supports all major guided surgery drill systems
- Available with DNT² coating



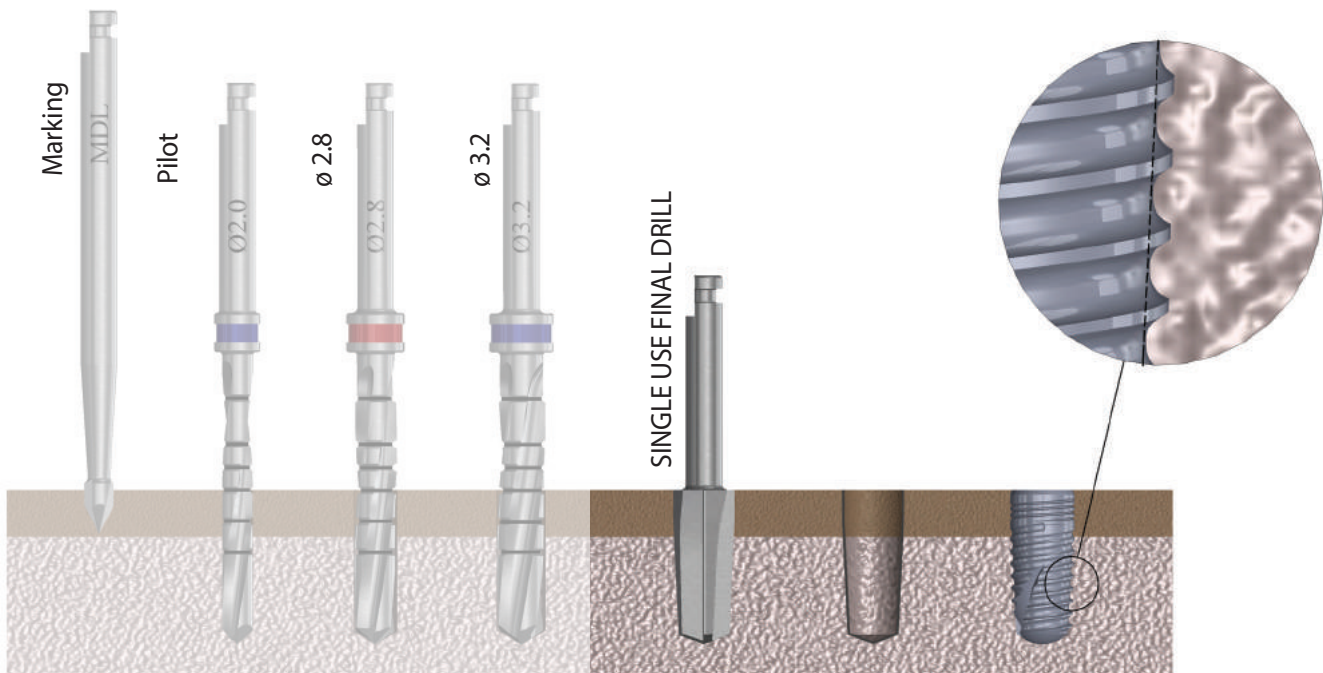
Dia.	L	Ordering code
2.0	6	G2.0 - L6
2.0	8	G2.0 - L8
2.0	10	G2.0 - L10
2.0	11.5	G2.0 - L11.5
2.0	13	G2.0 - L13
2.8	6	G2.8 - L6
2.8	8	G2.8 - L8
2.8	10	G2.8 - L10
2.8	11.5	G2.8 - L11.5
2.8	13	G2.8 - L13
3.2	6	G3.2 - L6
3.2	8	G3.2 - L8
3.2	10	G3.2 - L10
3.2	11.5	G3.2 - L11.5
3.2	13	G3.2 - L13
3.65	6	G3.65 - L6
3.65	8	G3.65 - L8
3.65	10	G3.65 - L10
3.65	11.5	G3.65 - L11.5
3.65	13	G3.65 - L13
4.2	6	G4.2 - L6
4.2	8	G4.2 - L8
4.2	10	G4.2 - L10
4.2	11.5	G4.2 - L11.5
4.2	13	G4.2 - L13

Above details for reference purposes only.



Single Use Final Drill

- The customized drill's geometry leads to optimal site preparation
- Highly recommended for immediate implanting after extraction
- Increases the apex stability of the implant
- Avoids possible problems caused by worn drills
- Reduces potential cross contamination
- The 1st choice for hospitals, large medical insitutes and armies.



Final Drilling Procedure

RESILIENCE INSPECTIONS

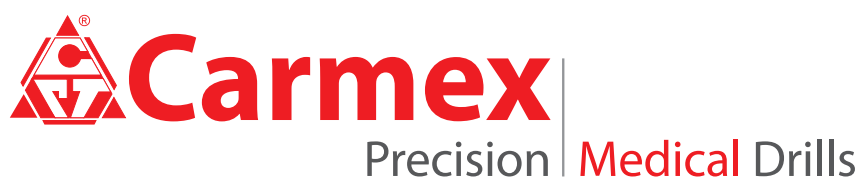
All our products under-go inspections to meet precise industrial standards:

- Cleaning test – To ensure no risk is posed of transmitting infectious microorganisms.
- Steam sterilization test – To inspect the effectiveness of sterilization process on our products.
- Autoclave test – The test includes 20 autoclave cycles, then a thorough inspection for corrosion signs or defects - the identical processes will be carried out in the dental clinic.
- Salt spray test – To inspect the durability to corrosion according ASTM A967-05.
- Drilling test – To inspect drill sharpness.

INSTRUCTIONS

All drills are made from high quality surgical materials. Carmex takes every possible care to produce drills with high resistance to corrosion. To extend your drill's working life, please follow carefully the instructions below.

- Best sterilization method – Use steam autoclaving at 134°C for 6 minutes, followed by a 30 minute dry cycle.
- Do not use acid or chloride for cleaning.
- Avoid cleaning the drills with other surgical tools (different materials).
- Avoid contact with other surgical tools or drills.
- Rinse and dry thoroughly after the cleaning process.
- Keep in dry area or in sterilized bag.



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