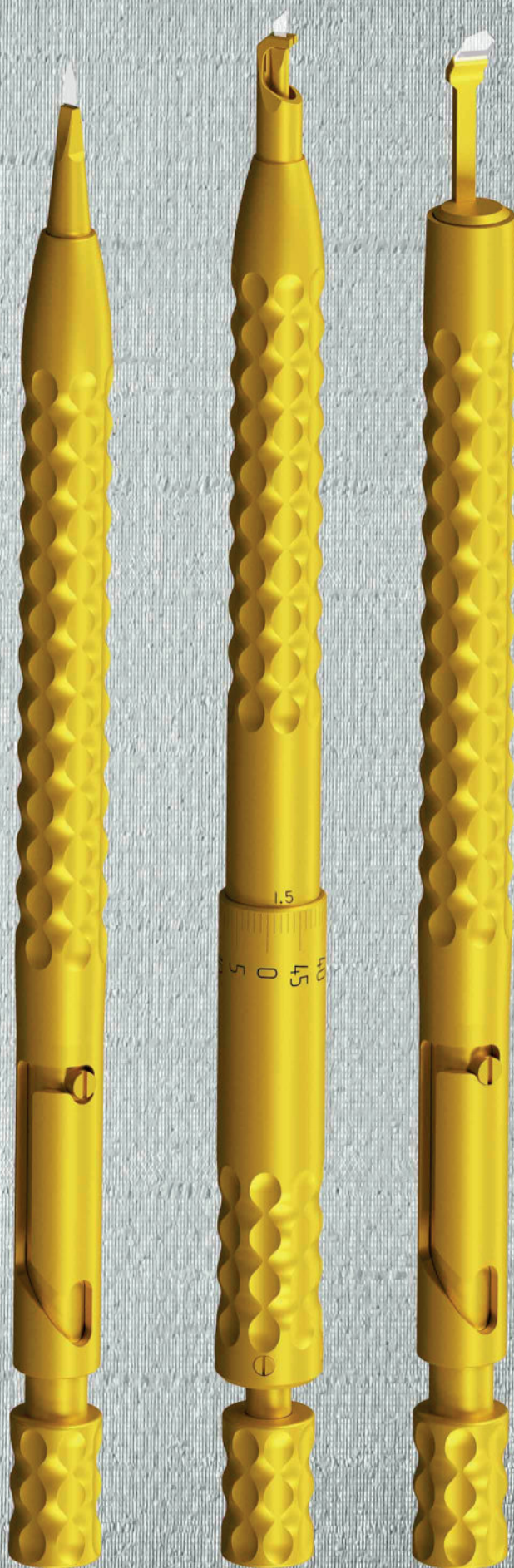


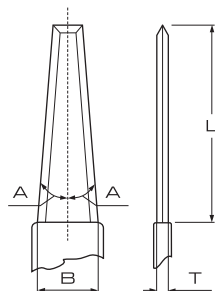
# DIAMOND KNIVES



PHACO  
STANDARD  
MICROMETER



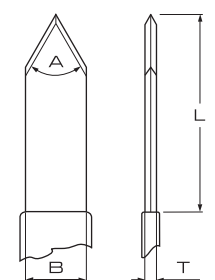
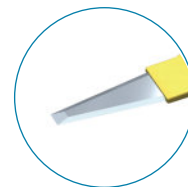
# DIAMOND PHACO KNIVES



## Tri-facet

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,8 mm	0,18 mm	10°	5,0 mm	<b>TDK 401</b>
2,2 mm	0,18 mm	10°	5,0 mm	<b>TDK 402</b>

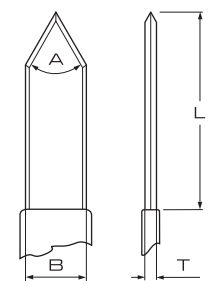
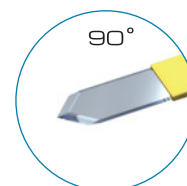
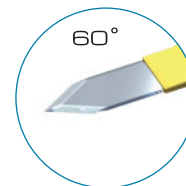
\*Blade width from 1.0 to 2.5 mm in 0.1 mm increments



## Double lancet with blunt sides

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,8 mm	0,21 mm	60°	5,0 mm	<b>TDK 403</b>
2,2 mm	0,21 mm	60°	5,0 mm	<b>TDK 404</b>
2,75 mm	0,21 mm	60°	5,0 mm	<b>TDK 405</b>
1,8 mm	0,21 mm	90°	5,0 mm	<b>TDK 406</b>
2,2 mm	0,21 mm	90°	5,0 mm	<b>TDK 407</b>
2,75 mm	0,21 mm	90°	5,0 mm	<b>TDK 408</b>

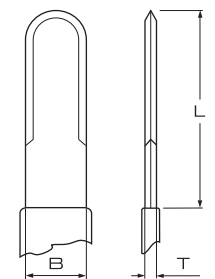
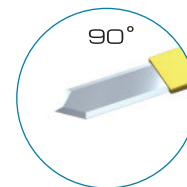
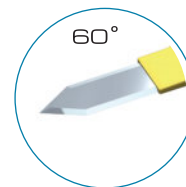
\*Blade width from 0.8 to 3.5 mm in 0.05 mm increments



## Double lancet with sharp sides

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,8 mm	0,21 mm	60°	5,0 mm	<b>TDK 409</b>
2,2 mm	0,21 mm	60°	5,0 mm	<b>TDK 410</b>
2,75 mm	0,21 mm	60°	5,0 mm	<b>TDK 411</b>
1,8 mm	0,21 mm	90°	5,0 mm	<b>TDK 412</b>
2,2 mm	0,21 mm	90°	5,0 mm	<b>TDK 413</b>
2,75 mm	0,21 mm	90°	5,0 mm	<b>TDK 414</b>

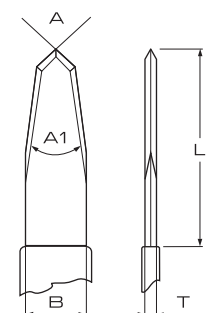
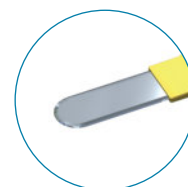
\*Blade width from 0.8 to 3.5 mm in 0.05 mm increments



## Tunnel diamond knives with sharp sides

(B) width*	(T) thickness	(L) length	CODE
1,0 mm	0,18 mm	5,0 mm	<b>TDK 415</b>
2,0 mm	0,18 mm	5,0 mm	<b>TDK 416</b>

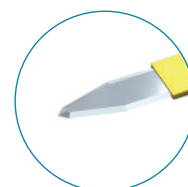
\*Blade width from 1.0 to 3.0 mm in 0.5 mm increments



## Tri-facet

(B) width*	(T) thickness	(A) angle	(A1) angle	(L) length	CODE
1,8 mm	0,21 mm	90°	60°	5,0 mm	<b>TDK 417</b>
2,2 mm	0,21 mm	90°	60°	5,0 mm	<b>TDK 418</b>
2,75 mm	0,21 mm	90°	60°	5,0 mm	<b>TDK 419</b>

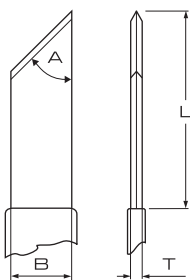
\*Blade width from 1.0 to 3.5 mm in 0.05 mm increments



# STANDARD DIAMOND KNIVES

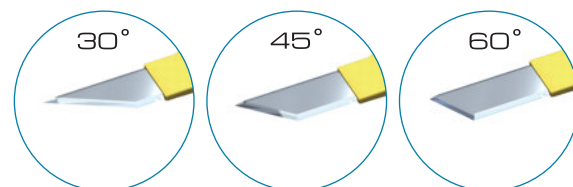


## Single edge

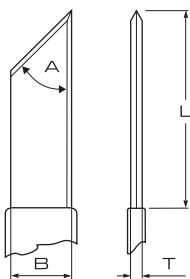


(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,0 mm	0,18 mm	30°	4,0 mm	<b>TDK 501</b>
1,2 mm	0,18 mm	30°	4,0 mm	<b>TDK 502</b>
1,0 mm	0,18 mm	45°	4,0 mm	<b>TDK 503</b>
1,2 mm	0,18 mm	45°	4,0 mm	<b>TDK 504</b>
1,0 mm	0,18 mm	60°	4,0 mm	<b>TDK 505</b>
1,2 mm	0,18 mm	60°	4,0 mm	<b>TDK 506</b>

\*Blade width from 1.0 to 2.0 mm in 0.1 mm increments

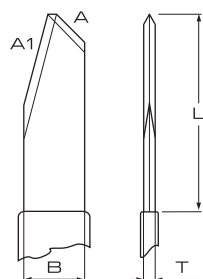
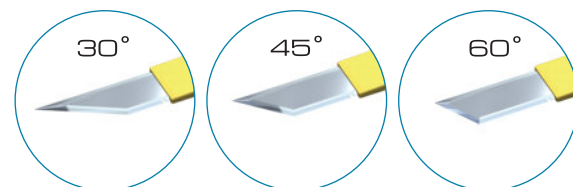


## Double edge



(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,0 mm	0,18 mm	30°	4,0 mm	<b>TDK 507</b>
1,2 mm	0,18 mm	30°	4,0 mm	<b>TDK 508</b>
1,0 mm	0,18 mm	45°	4,0 mm	<b>TDK 509</b>
1,2 mm	0,18 mm	45°	4,0 mm	<b>TDK 510</b>
1,0 mm	0,18 mm	60°	4,0 mm	<b>TDK 511</b>
1,2 mm	0,18 mm	60°	4,0 mm	<b>TDK 512</b>

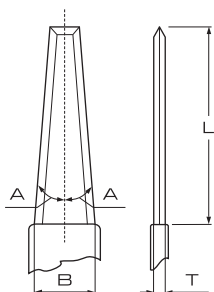
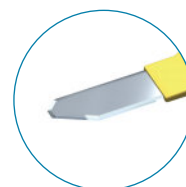
\*Blade width from 1.0 to 2.0 mm in 0.1 mm increments



## Tri-facet

(B) width*	(T) thickness	(A1) angle	(A) angle	(L) length	CODE
1,0 mm	0,18 mm	30°	45°	4,0 mm	<b>TDK 513</b>
1,2 mm	0,18 mm	30°	45°	4,0 mm	<b>TDK 514</b>

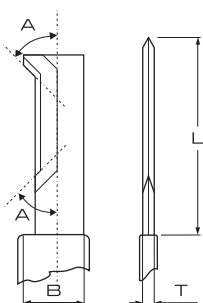
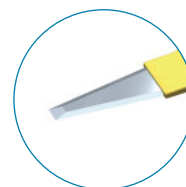
\*Blade width from 1.0 to 2.5 mm in 0.1 mm increments



## Tri-facet

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,0 mm	0,18 mm	10°	4,0 mm	<b>TDK 515</b>
1,2 mm	0,18 mm	10°	4,0 mm	<b>TDK 516</b>

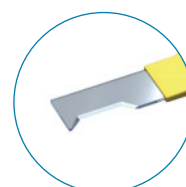
\*Blade width from 1.0 to 2.5 mm in 0.1 mm increments



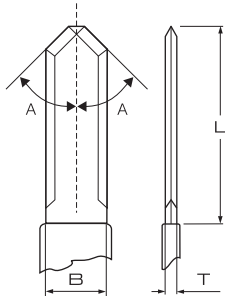
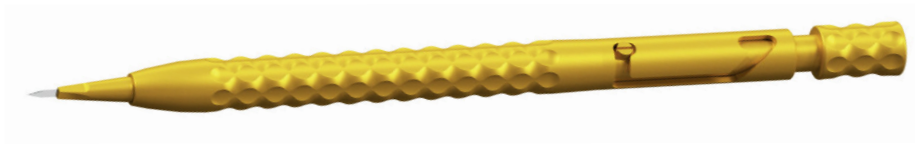
## Universal knife

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,0 mm	0,18 mm	45°	4,0 mm	<b>TDK 517</b>
1,2 mm	0,18 mm	45°	4,0 mm	<b>TDK 518</b>

\*Blade width from 1.0 to 2.5 mm in 0.1 mm increments



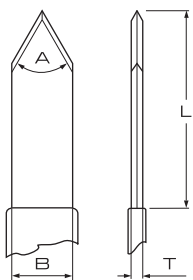
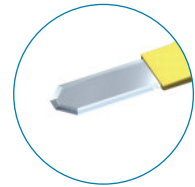
# STANDARD DIAMOND KNIVES



## Tri-facet

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,0 mm	0,18 mm	45°	4,0 mm	<b>TDK 519</b>
1,2 mm	0,18 mm	45°	4,0 mm	<b>TDK 520</b>

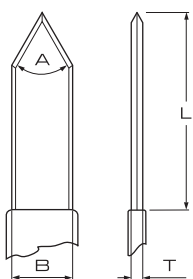
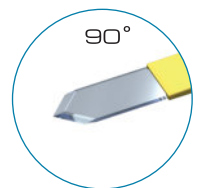
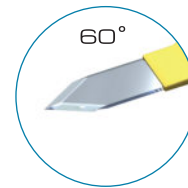
\*Blade width from 1.0 to 2.5 mm in 0.1 mm increments



## Double lancet with blunt sides

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,0 mm	0,21 mm	60°	5,0 mm	<b>TDK 521</b>
1,2 mm	0,21 mm	60°	5,0 mm	<b>TDK 522</b>
1,0 mm	0,21 mm	90°	5,0 mm	<b>TDK 523</b>
1,2 mm	0,21 mm	90°	5,0 mm	<b>TDK 524</b>

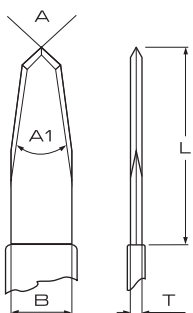
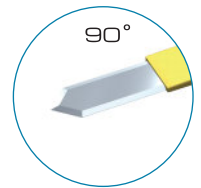
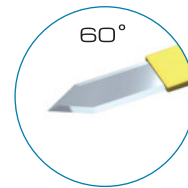
\*Blade width from 0.8 to 3.5 mm in 0.05 mm increments



## Double lancet with sharp sides

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,0 mm	0,21 mm	60°	5,0 mm	<b>TDK 525</b>
1,2 mm	0,21 mm	60°	5,0 mm	<b>TDK 526</b>
1,0 mm	0,21 mm	90°	5,0 mm	<b>TDK 527</b>
1,2 mm	0,21 mm	90°	5,0 mm	<b>TDK 528</b>

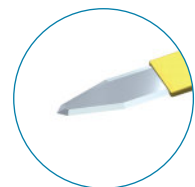
\*Blade width from 0.8 to 3.5 mm in 0.05 mm increments



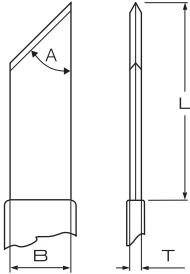
## Tri-facet

(B) width*	(T) thickness	(A) angle	(A1) angle	(L) length	CODE
1,0 mm	0,21 mm	90°	60°	5,0 mm	<b>TDK 529</b>
1,2 mm	0,21 mm	90°	60°	5,0 mm	<b>TDK 530</b>

\*Blade width from 1.0 to 3.5 mm in 0.05 mm increments



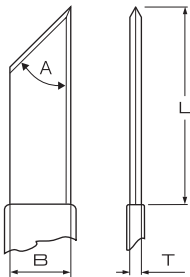
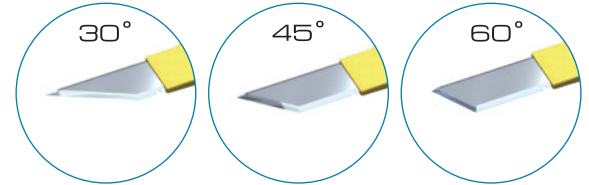
# MICROMETER DIAMOND KNIVES



## Single edge

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,0 mm	0,18 mm	30°	4,0 mm	<b>TDK 601</b>
1,0 mm	0,18 mm	45°	4,0 mm	<b>TDK 602</b>
1,0 mm	0,18 mm	60°	4,0 mm	<b>TDK 603</b>

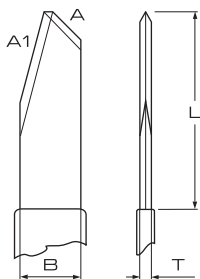
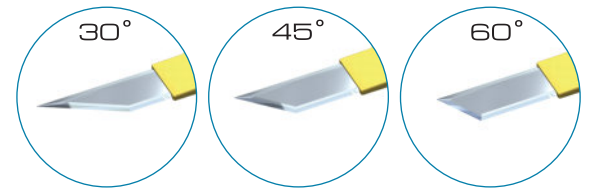
\*Blade width from 1.0 to 2.0 mm in 0.1 mm increments



## Double edge

(B) width*	(T) thickness	(A) angle	(L) length	CODE
1,0 mm	0,18 mm	30°	4,0 mm	<b>TDK 604</b>
1,0 mm	0,18 mm	45°	4,0 mm	<b>TDK 605</b>
1,0 mm	0,18 mm	60°	4,0 mm	<b>TDK 606</b>

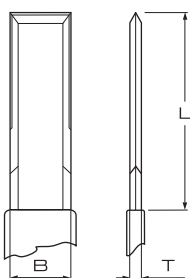
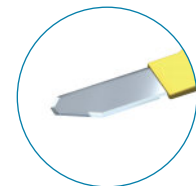
\*Blade width from 1.0 to 2.0 mm in 0.1 mm increments



## Tri-facet

(B) width*	(T) thickness	(A1) angle	(A) angle	(L) length	CODE
1,0 mm	0,18 mm	30°	45°	4,0 mm	<b>TDK 607</b>

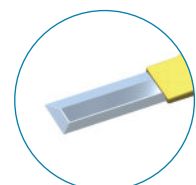
\*Blade width from 1.0 to 2.5 mm in 0.1 mm increments



## Tri-facet

(B) width	(T) thickness	(L) length	CODE
1,0 mm	0,18 mm	4,0 mm	<b>TDK 608</b>

\*Blade width from 1.0 to 2.0 mm in 0.1 mm increments





# STERILIZATION DIAMOND KNIVES

## DESCRIPTION AND INTENDED PURPOSE

Blades are made of diamonds. The width of the diamond blade is from 0.8 to 3.5 mm, the thickness is  $0.18 \pm 0.03$  mm, the sharpness of the cutting edge is not more than 50nm. The maximum effort applied onto the blade is within 2g for puncturing and within 5g for cutting. They are intended for cataract surgery.

## WARNING!

When the surgeon does not use the knife the diamond blade must be retracted inside the handle for the protective storage. No knocking or rubbing of the blade with any metal parts of other instruments or any surgical fabrics (cotton cloth, cotton wool, etc.) during the operation or storage is allowed.

Do not use ultrasonic cleaners, some are very strong and may cause damage.

Do not use acids, ammonia or strong chemicals, they do not affect the diamond but will damage the metal boat.

Intended for professional use only!

## CLEANING

Wash the blade with a mild liquid detergent of neutral pH, flush with tap water and rinse in distilled water immediately after each use. Rinse the blade in 70 degree alcohol. NEVER wipe the blade with cotton wool or any other fabrics. Clean the handle with a soft brush and dry with a facial quality tissue or a hot air dryer. The use of ultrasonic cleaning methods is not allowed. Hydrogen peroxide may discolour titanium handles. To restore the original blue lustre of the handle wipe the surface with an alcohol wipe.

The preferable methods of the sterilization are: either in formalin vapours or gamma-radiation with a 25kGy dose, or in the autoclave at the temperature not exceeding 132°.

## GUARANTEE

The warranty covered period of a diamond knife is 1 year from the date of its purchase (maximum 100 operations). The defects resulting from the severe damage of the mechanical part and the fracture and chopping of the cutting edge of the diamond blade are not accepted by the Manufacturer.





Technicheskaya str., 120 A  
420054, P.O. Box 278, Kazan, Russia

Phone: +7 903 3078572, +7 917 2610893

Phone / Fax: +7 843 277 07 78, 260 17 58

+7 843 558 07 78

[www.titanmedical.ru](http://www.titanmedical.ru)

E-mail: [sales@titanmedical.ru](mailto:sales@titanmedical.ru)