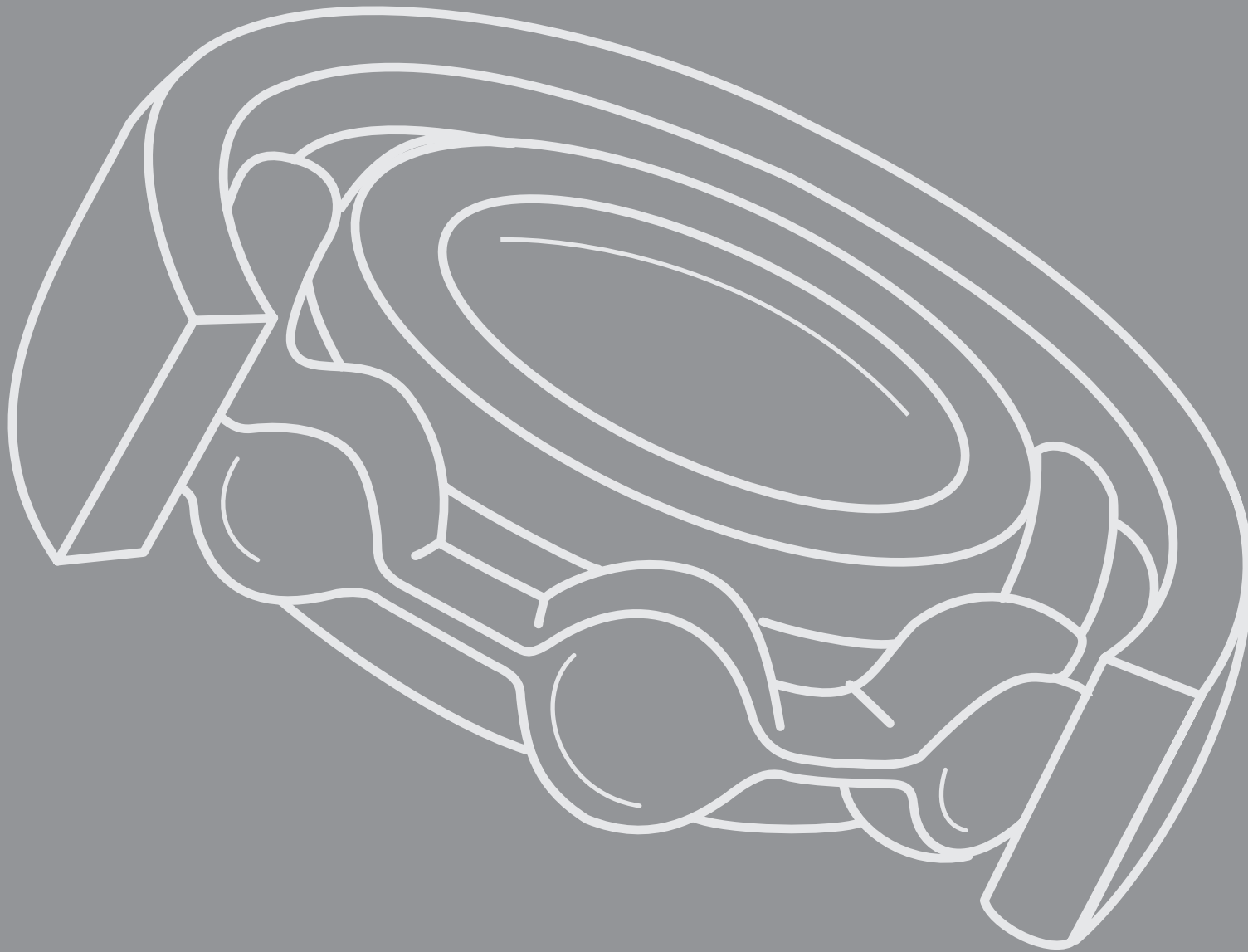


# CUSCINETTI ALTA VELOCITÀ

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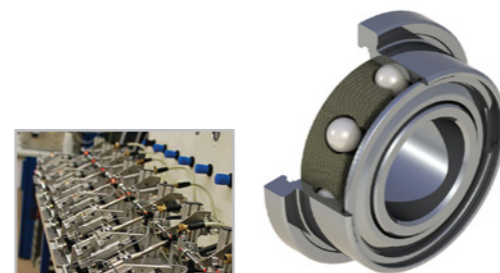
## *HIGH SPEED BEARINGS*



# CUSCINETTI ALTA VELOCITÀ HIGH SPEED BEARINGS

Un cuscinetto dentale deve essere in grado di sopportare le condizioni più estreme ed è, allo stesso tempo, una delle componenti più importanti per il funzionamento della strumentazione. Tecnomed sceglie solo i migliori cuscinetti presenti nel mercato dell'industria dentale, con sfere sia in ceramica che in acciaio. Precisi e affidabili, grazie ai materiali di altissima qualità garantiscono una lunga durata operativa. La minima emissione di rumore è assicurata anche ad alte velocità. I cuscinetti di alta gamma vengono venduti all'interno di una confezione sigillata e contrassegnata con il paese di origine.

*A dental bearing must be able to withstand the most extreme conditions and is, at the same time, one of the most important components for the performance of a dental instrument. Tecnomed chooses only the best bearings in the dental industry market, with both ceramic and steel balls. These are precise and reliable, thanks to the use of the highest quality materials that guarantee a long product life. Minimum noise emission is ensured even at high speeds. High-end bearings are sold in a sealed package and marked with their country of origin.*



Per decenni, Myonic ha fornito ai clienti di tutto il mondo i suoi cuscinetti dentali **innovativi e affidabili** guadagnandosi una posizione di mercato eccezionale. Le velocità di rotazione fino a **500.000 rpm**, le vibrazioni, il vapore surriscaldato o diversi mezzi di pulizia, nonché la penetrazione di sporco come sangue e polvere dei denti, sono le maggiori sfide per tali cuscinetti speciali.

Oltre al **design individuale**, queste sfide sono soddisfatte con una **selezione sistematica di materiali e lubrificanti**. Il risultato è un prodotto su misura per questa applicazione e che soddisfa tutti i requisiti per un lungo periodo.

*For decades, Myonic has been supplying customers around the world with its innovative and reliable dental bearings, gaining an exceptional position in the market. Rotational speeds of up to 500,000 rpm, vibrations, overheated steam or various cleaning tools, as well as the penetration of dirt, such as blood and tooth powder residue, are the biggest challenges for these special bearings.*

*In addition to a unique design, these challenges are met with a systematic selection of materials and lubricants. The result is a product tailored to this application that meets all the desired requirements over time.*



Ricerca prodotti di alta qualità sul mercato a prezzi competitivi è il nostro lavoro. Tecnomed da oltre 10 anni propone anche cuscinetti con proprio brand grazie alla partnership con una storica azienda nordamericana. I nostri cuscinetti dentali vantano **alta qualità e precisione**. Sono ideali per l'uso in manipoli dentali, dispositivi medici e strumenti chirurgici. Con **finitura sfere di grado 3** ed una **precisione superiore a ABEC 7** dimostrano un'alta affidabilità. Sono venduti con packaging industriale.

*Searching for high-quality products on the market at competitive prices is our job. For over 10 years, Tecnomed has also been offering bearings under its own brand, thanks to a partnership with an important North American company. Our dental bearings boast of a high quality and precision. They are ideal for use in dental handpieces, medical devices, and surgical instruments. With a grade 3 ball and an accuracy that is higher than an ABEC 7 bearing, they are very reliable. The bearings are sold with an industrial packaging.*



myonic



optimyn



TecnoMed  
ITALIA Group

## FENOLICI O TORLON? FENOLIC OR TORLON?

### Gabbia fenolica Fenolic cage

La gabbia a sfera è progettata per mantenere la sfera nel cuscinetto a sfere separate l'una dall'altra, attorno al cerchio parziale del cuscinetto. Per essere in grado di trovare la soluzione ottimale per qualsiasi cuscinetto a sfere, myonic ha sviluppato diversi modelli di gabbie a sfera. Non esiste un'unica gabbia che soddisfi tutti i requisiti, quindi la scelta della gabbia ottimale deve essere fatta a seconda delle specifiche esigenze. Le tipologie di gabbia più performanti per il settore dentale sono due: gabbie in resina fenolica e gabbie in torlon.

*The ball bearing cage is designed to keep the ball in the ball bearing separate from one another, around the partial rim of the bearing. To be able to find the optimal solution for any ball bearing, Myonic has developed several models of ball bearing cages. There is no single cage that meets all the requirements, therefore, the choice of an optimal cage must be made according to specific needs. There are two types of cages that perform better in the dental sector: phenol resin cages and torlon cages.*

Le gabbie in resina fenolica, rinforzate con tessuto (colore marrone), sono leggerissime e possono allo stesso tempo resistere a forze di accelerazione e centrifughe molto elevate

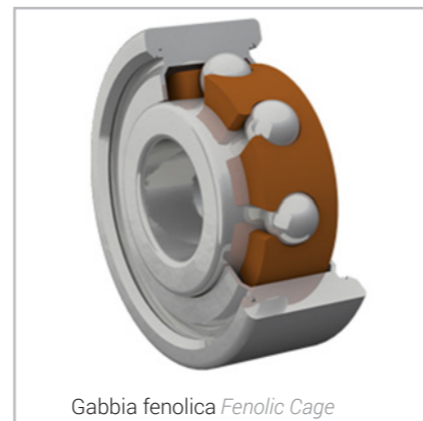
**PRO:** trattengono più a lungo il fluido di lubrificazione

**CONTRO:** soffrono maggiormente in fase di sterilizzazione.

*Phenol resin cages, reinforced with fabric (brown color), are very light and can, at the same time, resist acceleration forces and very high centrifugal forces.*

*PRO: They retain lubrication fluid longer*

*CON: They suffer most during the sterilization cycle*



Gabbia fenolica Fenolic Cage

### Gabbia in torlon Torlon cage

L'utilizzo del torlon (colore nero) per le gabbie, è sempre più diffuso nelle applicazioni che prevedono velocità elevate, attacchi chimici o alte temperature,

**PRO:** le eccezionali proprietà del torlon sono dovute all'ottimale combinazione di resistenza, flessibilità, compatibilità con temperature di esercizio elevate, buona lavorabilità e elevata resistenza chimica e all'usura.

**CONTRO:** non essendo un materiale poroso, non trattiene a lungo il fluido lubrificante, per cui è necessaria una lubrificazione ottimale del manipolo.

*The use of torlon (black color) for cages is increasingly widespread in applications involving high speeds, chemical corrosion, or high temperatures.*

*PRO: The exceptional properties of torlon are due to the optimal combination of strength, flexibility, compatibility with high operating temperatures, good workability, and high chemical and wear resistance.*

*CON: Since it is not a porous material, it does not retain lubricating fluid for long, therefore, the handpiece must be properly lubricated.*



Gabbia torlon Torlon Cage

I cuscinetti a sfere in ceramica sono esteticamente simili a quelli con sfere in acciaio; l'unica differenza sostanziale è che le sfere all'interno del cuscinetto sono in ceramica piuttosto che in acciaio.

Con la ceramica si realizzano piatti e tazze, allora che senso ha utilizzare questo materiale? In realtà per la realizzazione delle sfere per cuscinetti non viene utilizzata la stessa ceramica, ma i cosiddetti materiali ceramici e più precisamente il **Nitrato di Silicio (Si<sub>3</sub>N<sub>4</sub>)**.

*Ceramic ball bearings are aesthetically similar to those with steel balls. The only substantial difference is that the balls inside the bearing are ceramic rather than steel.*

*Plates and cups are made from ceramic. So, what sense does using this material have? Actually, the same type of ceramic is not used for ball bearings. So-called ceramic materials, and, more precisely, Silicon Nitride (Si<sub>3</sub>N<sub>4</sub>), are used.*



Sfera in ceramica Ceramic Ball

Sfera in acciaio Steel Ball

- **Sono più silenziosi:** le sfere in ceramica non subiscono deformazioni poiché sono **più dure** e, anche dopo molte ore di lavoro, il cuscinetto **non si usura** e mantiene la silenziosità originaria. Al contrario, le sfere in acciaio con il passare del tempo si deformano e, usurandosi aumentano attrito e rumorosità.
- **Rispondono meglio alle alte temperature:** durante i cicli di sterilizzazione, quindi, non si deformano mantenendo invariata la forma e quindi la silenziosità originaria. Le sfere in acciaio, invece, ad alte temperature si dilatano e subiscono una deformazione e, di conseguenza, un aumento di attrito e rumorosità.
- **Sono più leggeri** di quelli in acciaio: seppur di poco, questo contribuisce ad alleggerire lo strumento e a renderlo più maneggevole.
- **Non si ossidano**, poiché i materiali ceramici sono insensibili all'azione di acqua, vapore ed umidità; al contrario, le sfere in acciaio sono soggette ad ossidazione.
- **Dissipano meglio il calore** generato durante il lavoro, garantendo una maggior durata nel tempo e una bassa temperatura del manipolo.

- *These bearings are quieter: ceramic balls do not become deformed because they are harder and, even after many hours of work, the bearings do not wear out and continue with their original level of silence. Instead, steel balls become deformed over time and, when worn out, both friction and noise increase.*
- *They also respond better to high temperatures. Therefore, during a sterilization cycle, they do not become deformed, they maintain their shape, and the noise emitted does not increase. Steel balls, on the other hand, dilate and undergo deformation at high temperatures. Consequently, both friction and noise increase.*
- *They are lighter than steel ones, even if slightly. This helps lighten the tool, making it more manageable.*
- *They do not oxidize because ceramic materials are not sensitive to water, steam, and humidity. On the contrary, steel balls are subjected to oxidation.*
- *They better dissipate the heat that is generated during the working phase, ensuring a longer life and a low handpiece temperature.*

- Costo di produzione inferiore, quindi **minore prezzo di mercato**.
- *They entail lower production costs, therefore, a lower market price.*

## SFERE IN ACCIAIO O IN CERAMICA? STEEL OR CERAMIC BALLS?

### Vantaggi della ceramica Advantages of ceramic

### Vantaggi dell'acciaio Advantages of steel



## RADIALI O ANGOLARI? RADIAL OR ANGULAR?

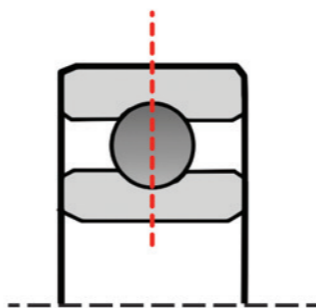
### Cuscinetti radiali Radial contact ball bearings

La differenza tra i cuscinetti a sfera a contatto angolare e radiale sta nel tipo di anello di tenuta interno, che definisce il supporto del carico della direzione assiale e radiale.

*The difference between radial and angular contact ball bearings lies in the type of internal sealing ring used, which defines the axial and radial load bearing support.*

Sono radiali i cuscinetti dove la forza di carico da supportare è perpendicolare all'asse di rotazione; questi cuscinetti sono particolarmente versatili. Sono inoltre idonei per l'utilizzo a velocità elevate e molto elevate, possono sopportare carichi assiali e radiali in entrambe le direzioni e richiedono poche attività di manutenzione. Facili da manipolare, i cuscinetti a contatto radiale sono preferiti dai centri di servizio tecnico, per questo Tecnomed Italia ha scelto di proporre solo cuscinetti di tipo radiale.

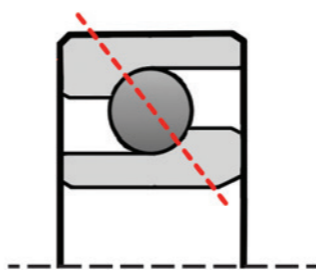
*Radial contact ball bearings are those where the load force to be supported is perpendicular to the rotation axis. These bearings are particularly versatile. They are also suitable for use at high and very high speeds, they can withstand axial and radial loads in both directions, and require little maintenance. Easy to handle, radial contact ball bearings are preferred by technical service centers, which is why Tecnomed Italia has chosen to offer only radial contact ball bearings.*



### Cuscinetti angolari Angular contact ball bearings

I cuscinetti angolari (obliqui) presentano le piste degli anelli interni ed esterni spostate l'una rispetto all'altra, nella direzione dell'asse del cuscinetto. Data tale conformazione, questi cuscinetti possono sopportare carichi combinati, ovvero che agiscono contemporaneamente in direzione radiale e assiale. Tecnicamente i cuscinetti angolari hanno migliori prestazioni tecniche, ma non perdonano errori durante il montaggio sul rotore, in quanto possono disassemblarsi facilmente.

*Angular (oblique) contact ball bearings have inner and outer raceways displaced relative to each other in the direction of the bearing axis. Given this conformation, these bearings can bear combined loads, i.e. acting simultaneously in radial and axial directions. Technically, angular contact ball bearings have a better technical performance but are sensitive to errors during assembly on the rotor, since they can easily come apart.*



La **scala ABEC** è un sistema di classificazione della tolleranza di costruzione utilizzata per i cuscinetti di precisione. ABEC è l'acronimo dell'organizzazione americana che dà il nome a questo sistema, ovvero la **Anular Bearing Engineering Committee** (Comitato ingegneristico per i cuscinetti anulari). Quest'organizzazione fa parte della American Bearing Manufacturers Association (Associazione dei costruttori di cuscinetti americani).

I cuscinetti classificati con il sistema ABEC sono chiamati "cuscinetti di precisione" e vengono contrassegnati con un numero dispari da 1 a 11; il valore più alto corrisponde a migliori standard di precisione:

**Numero più alto = tolleranza minore = cuscinetti più costosi**

Tutti i cuscinetti per turbine dentali in commercio sono di classe ABEC 7; raramente si possono trovare cuscinetti dentali di classe ABEC 9, che sono comunque molto più costosi.

*The ABEC scale is a tolerance classification system used for precision bearings. ABEC is the acronym of the American organization that gives its name to this system: Anular Bearing Engineering Committee. This organization is part of the American Bearing Manufacturers Association.*

*Bearings classified with the ABEC system are called "precision bearings" and are marked with an odd number from 1 to 11. The highest value corresponds to the best precision standards:*

**Higher number = lower tolerance = more expensive bearings**

*All bearings for dental turbines on the market are ABEC 7 class bearings. ABEC class 9 dental bearings are rarely found. The latter are much more expensive.*

Ciò che ti propone Tecnomed Italia sono cuscinetti che utilizza il nostro servizio tecnico per le riparazioni di ogni giorno: cuscinetti Myonic in gabbia fenolica con sfere in ceramica o acciaio e cuscinetti Tecnomed Italia con gabbia in torlon con sfere in acciaio e ceramica. Accanto ad ogni codice riportiamo **marca**, tipo di **gabbia** e tipo di **sfere**. Ora che sai tutto puoi scegliere il cuscinetto più adatto alle tue esigenze!

Buon lavoro!

*What Tecnomed Italia offers are bearings that our technical service uses for daily repairs: Myonic bearings in a phenol cage with ceramic or steel balls and Tecnomed Italia ball bearings with a torlon cage and steel and ceramic balls. Next to each code, we indicate the brand, type of cage, and type of balls. Now that you are familiar with everything, you can select the most suitable bearing for your needs!*

*Have a nice day!*

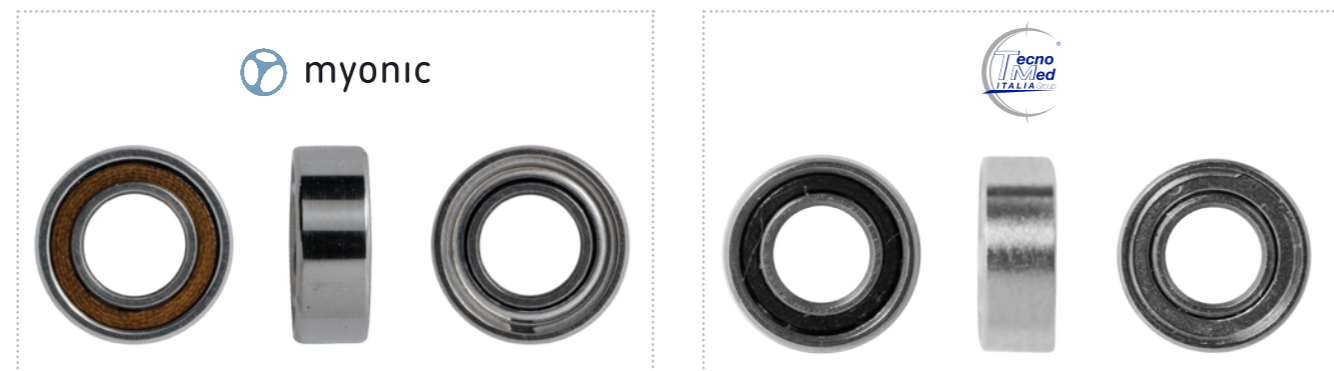
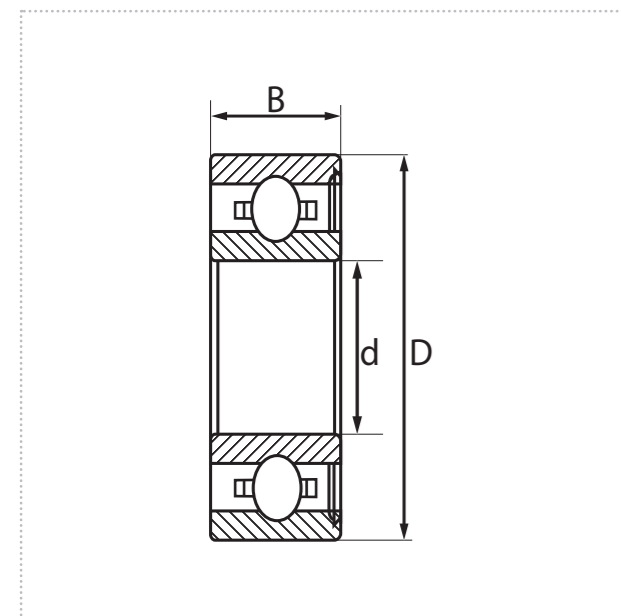
**Tecnomed Italia Staff**  
**Technical service department**

## COSA INDICA IL VALORE ABEC? WHAT DOES THE ABEC VALUE INDICATE?

## COSA TI CONSIGLIAMO? WHAT DO WE RECOMMEND?

CN02A / CN22BC / CN22MC / CB22BC | 6,35 x 3,175 x 2,380 mm smooth

HIGH SPEED BEARINGS



Size (mm)	
D	6.35
d	3.175
B	2.38

TECNOMED ITALIA Order code	Brand	Cage	Balls
CN02A	Tecnomed Italia	torlon	steel
CN22BC	Tecnomed Italia	torlon	ceramic
CN22MC	Myonic	fenolic	steel
CB22BC	Myonic	fenolic	ceramic

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CN02A	CN22MC	DR02B2L	SR144STAY134K3C10GJ2
Ceramic bearing code	CN22BC	CB22BC	DR02A2L-801	CSR144STAY134K3C10GJ

CN02A / CN22BC / CN22MC / CB22BC | 6,35 x 3,175 x 2,380 mm smooth  
Applications

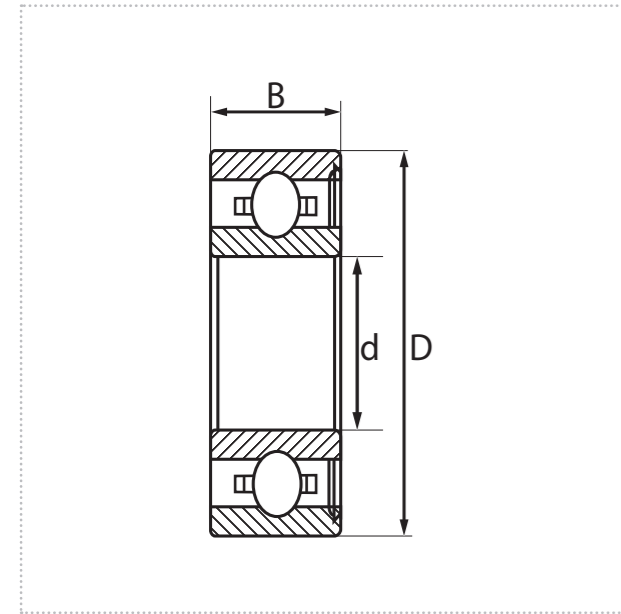
HIGH SPEED BEARINGS

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
CHAMPION		•	
CHIRADENT	3200	•	•
	3400	•	•
FARO	S380	•	•
KMD	COLIBRI	•	•
KAVO	8000/B (rotor compatible TMI)		•
	7000/B (rotor compatible TMI)	•	•
IVORY-DENT	T501/L-SM502/4M		•
LARES	330E	•	•
	557 SMALL HEAD	•	
	757 LARGE HEAD	•	
MIDWEST	QUIET AIR LEVER/PUSH BUTTON		•
	QUIET AIR STANDARD		•
	TRADITION L/PB CONVERSION		•
	TRADITION STANDARD		•
MTC	105	•	•
NSK	CH-QD		•
	MACH LITE ML		•
	MACH MC		•
	MC-QD		•
	N75		•
	NL-75		•
	P&S	•	•
	PANA-AIR MINI PUSH BUTTON	•	•
	PANA-AIR MINI SCREW TYPE	•	•
	PANA-AIR STANDARD PUSH BUTTON	•	•
	PANA-AIR STANDARD SCREW TYPE	•	•

NSK	PANA-AIR TORQUE PUSH BUTTON	•	•
	PANA-AIR TORQUE SCREW TYPE	•	•
	PTL-II		•
	SUPER GRADE	•	•
	SUPER GRADE PB	•	•
	TRIPLE SPRAY/KINETIC QUANTUM		•
	VIP	•	•
TECNOMED ITALIA	HCP115/116/117/118	•	•
TKD	MINI MASTER	•	•
W & H (ADEC)	200 MINI FRICTION GRIP	•	•
	200 MINI PUSH BUTTON	•	•
	200 STANDARD FRICTION GRIP	•	•
	200 STANDARD PUSH BUTTON	•	•
	300 MINI FRICTION GRIP	•	•
	300 MINI PUSH BUTTON	•	•
	300 STANDARD FRICTION GRIP	•	•
	300 STANDARD PUSH BUTTON	•	•
	395-398-695-795-895	•	•
	TK94 L/LM	•	•
SIEMENS	3000	•	•
SIRONA	T2/T3 BOOST (Push with 3 cuts and rotor compatible TMI)	•	•
	T2 CONTROL (Push with 3 cuts and rotor compatible TMI)	•	•
	T2 CONTROL ENJOY	•	•
YOSHIDA	H-Q (FG)	•	•
	H-QP (PB) (HIGH TORQUE)	•	•
	SL-Q (FG)	•	•
	SL-QP (PB) (MINI HEAD)	•	•

CU8B / CT88C / CUT8T / CB89C | 7,94 x 3,175 x 3,571 mm smooth

HIGH SPEED BEARINGS



Size (mm)	
D	7.94
d	3.175
B	3.571

TECNOMED ITALIA Order code	Brand	Cage	Balls
CU8B	Tecnomed Italia	torlon	steel
CT88C	Tecnomed Italia	torlon	ceramic
CUT8T	Myonic	fenolic	steel
CB89C	Myonic	fenolic	ceramic

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CU8B	CUT8T	DR09B2G	SR2-5STAY36C10GJ295E
Ceramic bearing code	CT88C	CB89C	DR09B2G-801	CSR2-5STAY36C10 0-10

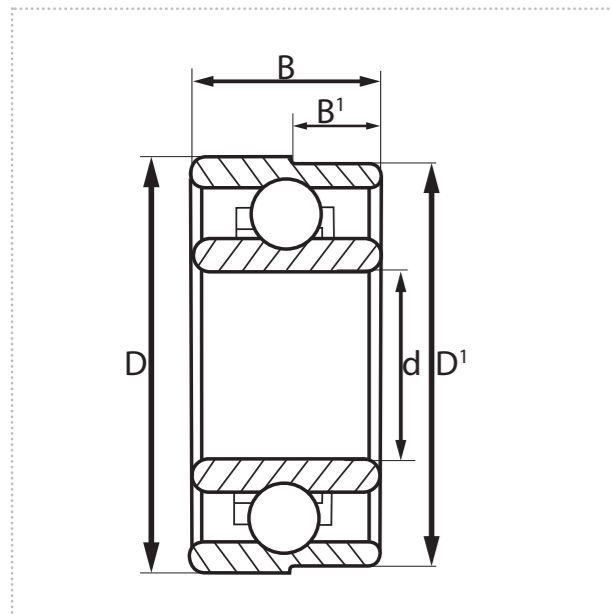
CU8B / CT88C / CUT8T / CB89C | 7,94 x 3,175 x 3,571 mm smooth  
Applications

HIGH SPEED BEARINGS

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
BIEN AIR	BLACK PEARL ECO	•	•
	BORA/L - S36L	•	•
	EOLIA	•	•
	BORALINA	•	•
	CROMA (STANDARD HEAD)	•	•
	LAB	•	•
BUFFALO	220 LAB	•	•
KMD	MAXTORQUE	•	•
NEYTECH	GRAND HURRICANE	•	•
	HURRICANE	•	•
	QC-700	•	•
STAR	CONCENTRIC	•	•
	FUTURA	•	•
TECNOMED ITALIA	HCP01P	•	•
TKD	MASTER	•	•

CU61S / CU61CC | 6,35 x 3,175 x 2,38 mm groove

HIGH SPEED BEARINGS



Size (mm)	
D	6.350
D'	6.00
d	3.175
B	2.38
B'	1.10

TECNOMED ITALIA Order code	Brand	Cage	Balls
CU61S	Tecnomed Italia	torlon	steel
CU61CC	Tecnomed Italia	torlon	ceramic

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CU61S	/	DR21B2L	/
Ceramic bearing code	CU61CC	/	DR21B2L-801	/



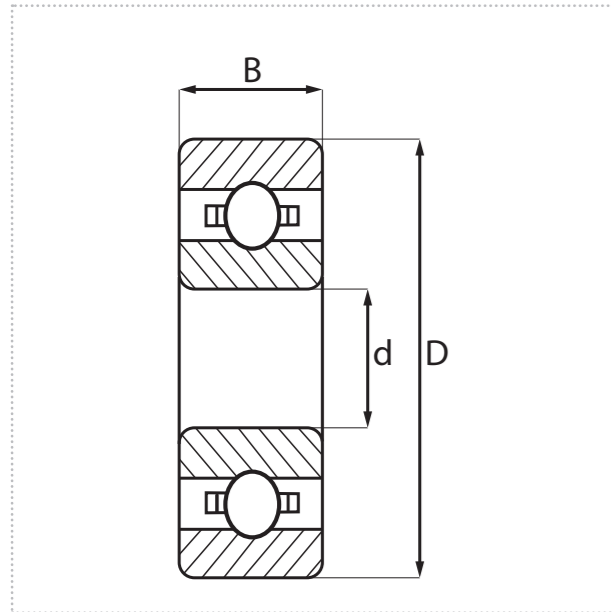
CU61S / CU61CC | 6,35 x 3,175 x 2,38 mm groove  
Applications

HIGH SPEED BEARINGS

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
DABI ATLANTE	MS350	•	•
SIEMENS	4000 M	•	•
	TM1	•	•

CU757L | 6,35 x 3,175 x 1,91 mm smooth

HIGH SPEED BEARINGS



Size (mm)	
D	6.35
d	3.175
B	1.91



TECNOMED ITALIA Order code	Brand	Cage	Balls
CU757L	Tecnomed Italia	torlon	steel

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CU757L	/	DR74A1L	/

CU757L | 6,35 x 3,175 x 1,91 mm smooth  
Applications

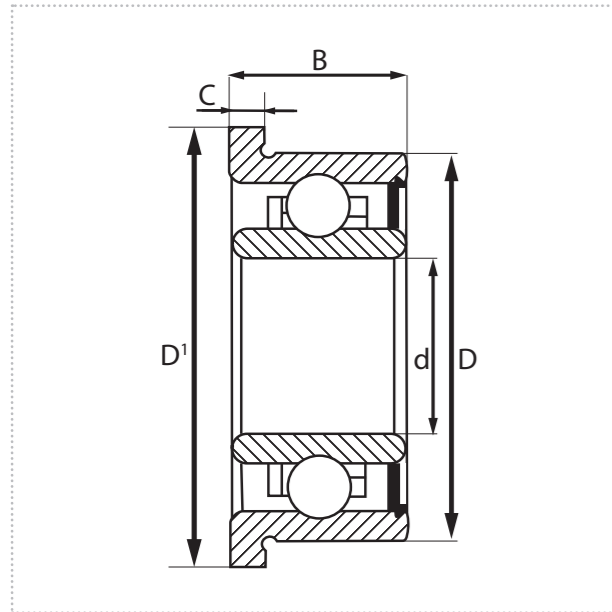
HIGH SPEED BEARINGS

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
LARES	557 SMALL HEAD	•	•

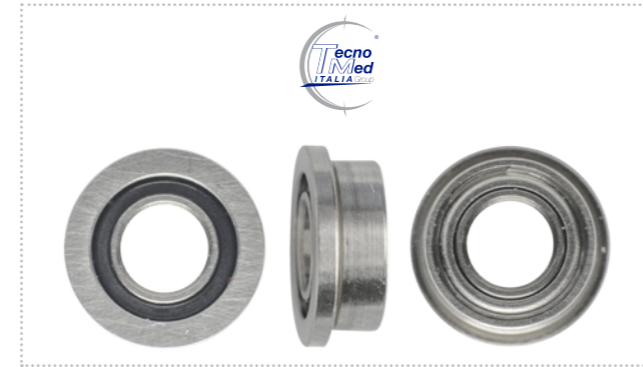


CU7C / CU77C | 6,35 x 3,175 x 2,78 mm flaged

HIGH SPEED BEARINGS



Size (mm)	
D	6.35
d	3.175
D'	7.5
B	2.78
C	0.80



TECNOMED ITALIA Order code	Brand	Cage	Balls
CU7C	Tecnomed Italia	torlon	steel
CU77C	Tecnomed Italia	torlon	ceramic

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CU7C	/	DR01B2L	SFR144RSTAY167K4C10G
Ceramic bearing code	CU77CC	/	DR01B2L-801	CSFR144RSTAY167K4C10

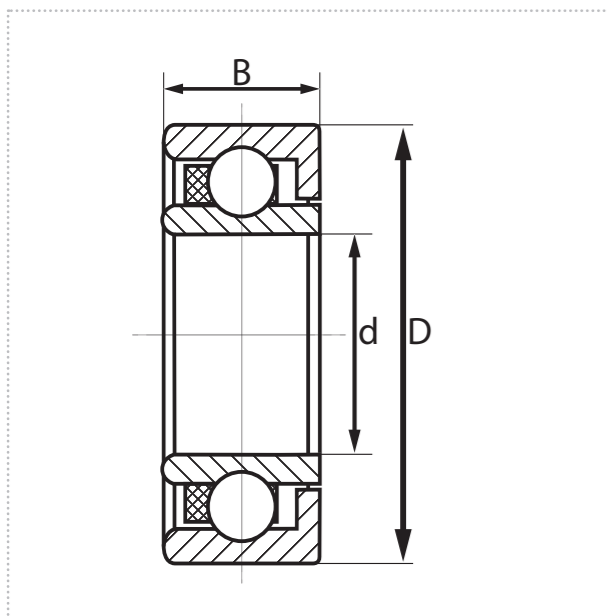
CU7C / CU77C | 6,35 x 3,175 x 2,78 mm flaged  
Applications

HIGH SPEED BEARINGS

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
CASTELLINI	CLEAN AIR	•	•
	CLEAN AIR 2000	•	•
DABI-ATLANTE	RS350	•	•
DME	ADEN	•	•
FARO	BTC77	•	•
MICRO MEGA	350	•	•
MIDWEST	QUIET AIR LEVER/PUSH BUTTON	•	
	QUIET AIR STANDARD	•	
	TRADITION L/PB CONVERSION	•	
	TRADITION STANDARD	•	
NSK	XGT/TRADITION PB (OEM)	•	•
	KINETIC VIPER 360 TORQUE	•	•
	PHATELUS MINI	•	•
PHATELUS	PHATELUS STND/KINETIC VIPER 360	•	•
	PHATELUS TORQUE	•	•
W & H (ADEC)	ADEC 5000	•	•

CL01LN | 6,35 x 3,175 x 2,78 mm smooth (integral shold)

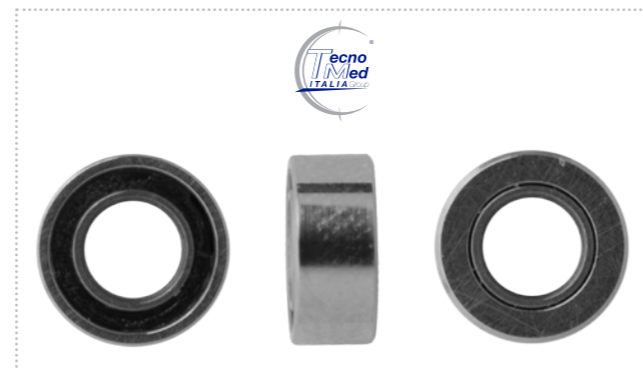
HIGH SPEED BEARINGS



Size (mm)	
D	6.35
d	3.175
B	2.78

TECNOMED ITALIA Order code	Brand	Cage	Balls
CL01LN	Tecnomed Italia	torlon	ceramic

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Ceramic bearing code	CU77CC	/	DR01B2L-801	CSFR144RSTAY167K4C10



CL01LN | 6,35 x 3,175 x 2,78 mm smooth (integral shold)  
Applications

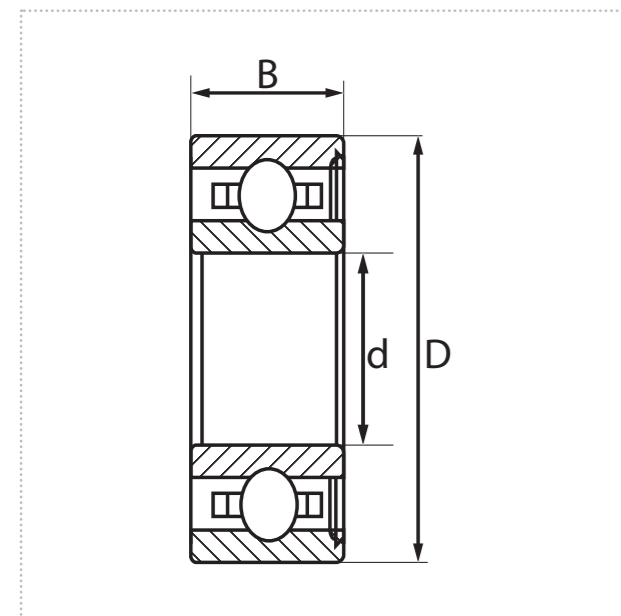
HIGH SPEED BEARINGS

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
FARO	DELTA	•	•
	TRILOGY	•	•
	TRILOGY PLUS	•	•
	S400	•	•
	S405	•	•
W & H (ADEC)	700 SERIES	•	•
	800 SERIES	•	•
	TREND TC-80BC	•	•
	TREND TC-95BC	•	•
	TREND TE-95B	•	•
	SYNEA TA-97 LED	•	•
	SYNEA TA-98 LED (Push with 3 cuts)	•	•
	SYNEA TA-98 (Push with 2 cuts)	•	•
	TA-96 MINI	•	•
	VISION TK 100LM	•	•
	190	•	•
	698-796-798-896-898	•	•
	TC-83, TC-98	•	•
	TA-96 L/LC/CM/LCM	•	•
	TA-98 LCM	•	•
	TA-97 CLM/LN	•	•
	TG-97 L, TG-98 L	•	•
	TK-97 LM, TK-98 LM, TK-100 LM	•	•
	E679	•	•
	6500BR	•	•
609	•	•	
TE-95	•	•	
TE-96 LB/RM	•	•	

W & H (ADEC)	TE-97 BC/M/CM/CN	•	•
	TE-98 B/M/CB	•	•
MTC	7807	•	•
TKD	MICRA	•	•
	BRAVIA	•	•
	THERA L-R-E	•	•
BIEN AIR	TITAN	•	•
	ONDINE	•	•
	PRESTIGE	•	•
	S30	•	•
CASTELLINI	CROMA (SMALL HEAD)	•	•
	S32	•	•
	HI-POWER 2 CERANICS	•	•
KAVO	TITANIUM GOLD 2L	•	•
	SILENT POWER 2L/4L/GOLD	•	•
	655-660-S619L	•	•
	8000/B	•	•
SIRONA	E680L	•	•
	9000	•	•
	TI-T2 CONTROL (Push with 2 cuts)	•	•
B.A. INTERNATIONAL	T2 RACER	•	•
	SIROBOOST S/T	•	•
	BA670LKS (Push with 2 cuts)	•	•
	BA695L	•	•
FONA	BA678L	•	•
	8080L	•	•

CN01B / CN11BC / CN11T / CB11BC | 6,35 x 3,175 x 2,78 mm smooth

HIGH SPEED BEARINGS



Size (mm)	
D	6.35
d	3.175
B	2.78

TECNOMED ITALIA Order code	Brand	Cage	Balls
CN01B	Tecnomed Italia	torlon	steel
CN11BC	Tecnomed Italia	torlon	ceramic
CN11T	Myonic	phenolic	steel
CB11BC	Myonic	phenolic	ceramic

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CN01B	CN11T	DR55B2L	SR144STAY64K4C10CJ29
Ceramic bearing code	CN11BC	CB11BC	DR55B2L-801	CSR144STAY64K4C10 CJ

CN01B / CN11BC / CN11T / CB11BC | 6,35 x 3,175 x 2,78 mm smooth  
Applications

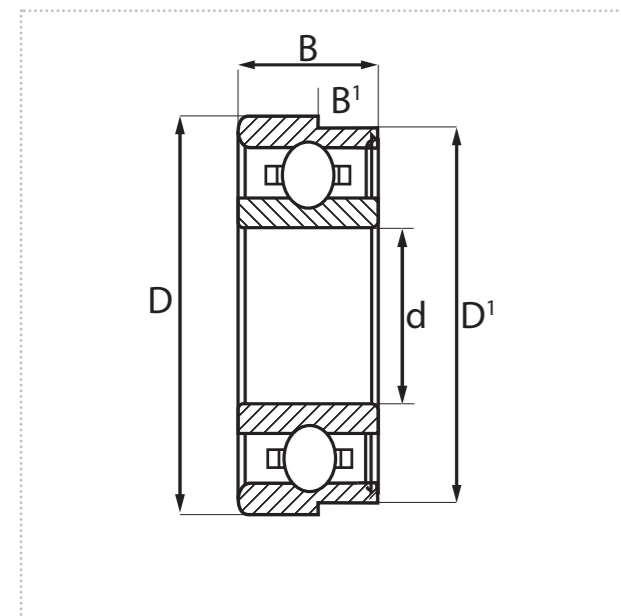
HIGH SPEED BEARINGS

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
FARO	DELTA	•	•
	TRILOGY	•	•
	TRILOGY PLUS	•	•
	S400	•	•
	S405	•	•
	700 SERIES	•	•
W & H (ADEC)	800 SERIES	•	•
	TREND TC-80BC	•	•
	TREND TC-95BC	•	•
	TREND TE-95B	•	•
	SYNEA TA-97 LED	•	•
	SYNEA TA-98 LED (Push with 3 cuts)	•	•
	SYNEA TA-98 (Push with 2 cuts)	•	•
	TA-96 MINI	•	•
	VISION TK 100LM	•	•
	190	•	•
MTC	698-796-798-896-898	•	•
	7807	•	•
TKD	MICRA	•	•
	BRAVIA	•	•
	THERA L-R-E	•	•
	TITAN	•	•

BIEN AIR	ONDINE	•	•
	PRESTIGE	•	•
	S30	•	•
	CROMA (SMALL HEAD)	•	•
	S32	•	•
CASTELLINI	HI-POWER 2 CERAMICS	•	•
	TITANIUM GOLD 2L	•	•
	SILENT POWER 2L/4L/GOLD	•	•
KAVO	655-660-S619L	•	•
	8000/B (rotor compatible TMI)	•	•
	E680L	•	•
	9000	•	•
SIRONA	TI-T2 CONTROL (Push with 2 cuts)	•	•
	T2 RACER	•	•
	SIROBOOST S/T	•	•
B.A. INTERNATIONAL	BA670LKS (Push with 2 cuts)	•	•
	BA695L	•	•
	BA678L	•	•
	BA755L	•	•
	BA758L	•	•
FONA	8080L	•	•
IVORY-DENT	T501/L-SM502/4M	•	•

CU6K / CU6CC / CUB6B / CUC99K | 6,35 x 3,175 x 2,78 mm groove

HIGH SPEED BEARINGS



Size (mm)	
D	6.35
D'	6.00
d	3.175
B	2.78
B'	0.88

TECNOMED ITALIA Order code	Brand	Cage	Balls
CU6K	Tecnomed Italia	torlon	steel
CU6CC	Tecnomed Italia	torlon	ceramic
CUB6B	Myonic	phenolic	steel
CUC99K	Myonic	phenolic	ceramic

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CU6K	CUB6B	DR70B2L	SR144STAY85K3C10CJ29
Ceramic bearing code	CU6CC	CUC99K	DR70B2L-801	CSR144STAY85K3C10GJ2

CU6K / CU6CC / CUB6B / CUC99K | 6,35 x 3,175 x 2,78 mm groove  
Applications

HIGH SPEED BEARINGS

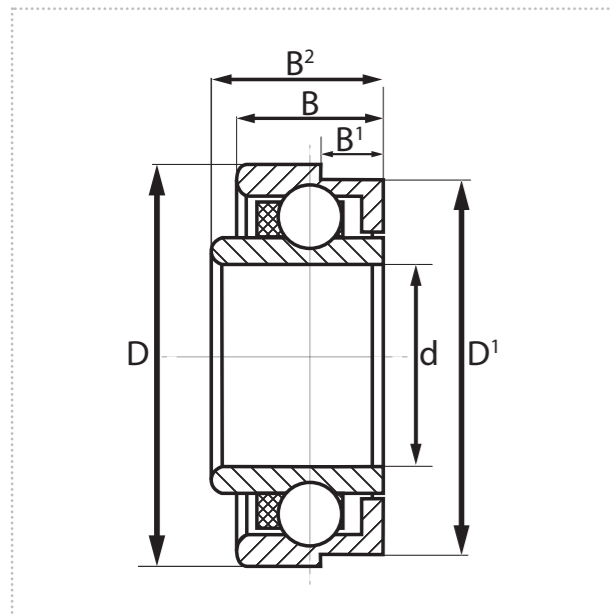
Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
KAVO	625	•	•
	630	•	•
	635	•	•
	636	•	•
	640	•	•
	640 FG	•	•
	646	•	•
	647	•	•
	649	•	•
	650	+ Code HKV214	•
	BELLA TORQUE FG 642	•	•
	BELLA TORQUE PB 642	•	•
	BELLA TORQUE PB 643	•	•
	CONTACT AIR 632 PB/Screw-type	•	•
MAGNO 634	•	•	
CHIRANA	SATUR TG536	•	•
	SATUR TG546	•	•
	SATUR TGL542	•	•
	SATUR TGL546	•	•
MTI	LYNX PUSH BUTTON	•	•

SIRONA	TS1/2	•	•
	4000S	•	•
	T1 CONTROL (Push with 3 cuts)	•	•
	TC3	•	•
MK-DENT	All products except PRIME LINE & ECO LINE	•	•



CU60SK / CU60CC | 6,35 x 3,175 x 2,35/2,78 mm groove

HIGH SPEED BEARINGS



Size (mm)	
D	6.35
D <sup>1</sup>	6.00
d	3.175
B	2.35
B <sup>1</sup>	0.97
B <sup>2</sup>	2.78



TECNOMED ITALIA Order code	Brand	Cage	Balls
CU60SK	Tecnomed Italia	torlon	steel
CU60CC	Tecnomed Italia	torlon	ceramic

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CU60SK	/	DR21J2L-801	/
Ceramic bearing code	CU60CC	/	DR21J2L-801	/

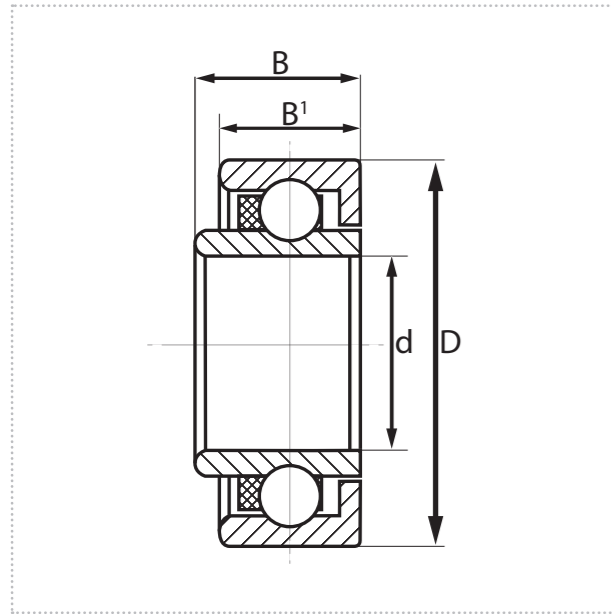
CU60SK / CU60CC | 6,35 x 3,175 x 2,35/2,78 mm groove  
Applications

HIGH SPEED BEARINGS

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
KAVO	637 B/C	•	•
	E680		•
	6000	•	
	635		•
	637		•
	E675	•	
	E677	•	
	4500	•	•
	5000	•	•
SIRONA	T1 MINI	•	•
MK-DENT	PRIME LINE HC8022	•	•
	PRIME LINE HC9022	•	•

CU700K / CU700KC | 6,35 x 3,175 x 2,38/2,78 mm smooth

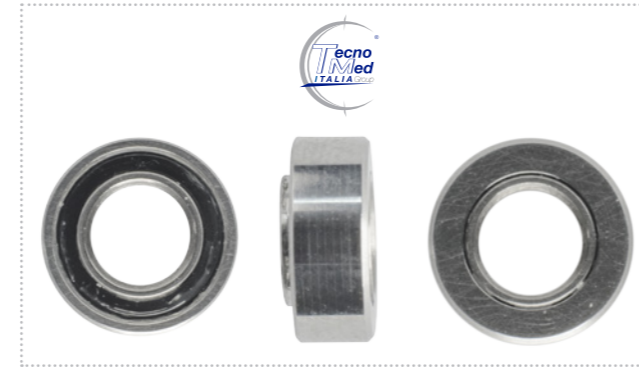
HIGH SPEED BEARINGS



Size (mm)	
D	6.35
d	3.175
B	2.78
B'	2.38

TECNOMED ITALIA Order code	Brand	Cage	Balls
CU700K	Tecnomed Italia	torlon	steel
CU700KC	Tecnomed Italia	torlon	ceramic

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CU700K	/	DR02J2L	SR144RSTAY196K3
Ceramic bearing code	CU700KC	/	DR02J2L-814	CSR144RSTAY196K3



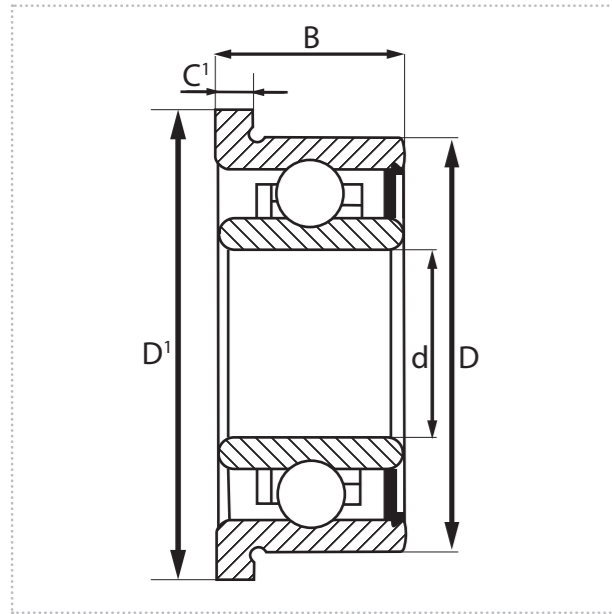
CU700K / CU700KC | 6,35 x 3,175 x 2,38/2,78 mm smooth  
Applications

HIGH SPEED BEARINGS

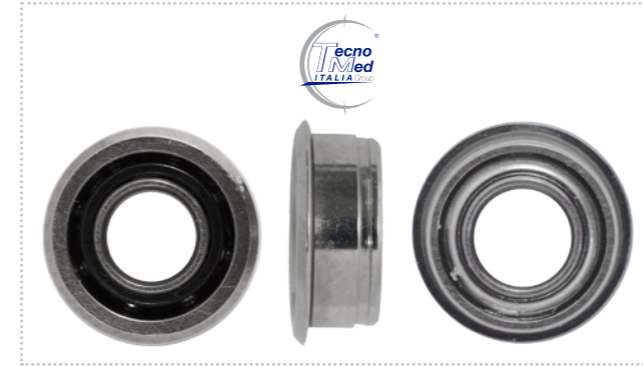
Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
KAVO	6000M		•
	7000B (with original rotor)	•	•
	6500		•
	E675		•
	E677		•
	S605	•	•
	S615	•	•

CU58S | 6,35 x 3,175 x 2,78 mm flanged

HIGH SPEED BEARINGS



Size (mm)	
D	6.35
d	3.175
D'	7.50
B	2.78
C'	0.40



TECNOMED ITALIA Order code	Brand	Cage	Balls
CU58S	Tecnomed Italia	torlon	steel

CROSS REFERENCE BRAND CODE				
Brand	Tecnomed Italia	Myonic	Timken	Barden
Steel bearing code	CU58S	/	DR54B2G	/

CU58S | 6,35 x 3,175 x 2,78 mm flanged  
Applications

HIGH SPEED BEARINGS

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
STAR	430	•	•
	ADVANTAGE	•	•
	VISTA	•	•