CUSCINETTI ALTA VELOCITÀ

HIGH SPEED BEARINGS

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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 rpms, 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.

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Ricercare 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.

TecnoMed ITALIA Group

Gabbia in torlon
Torlon cage

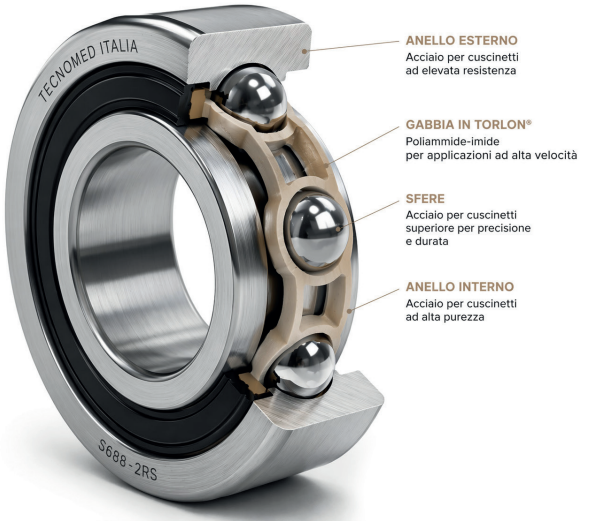
Nelle strumentazioni rotanti odontoiatriche ad alta velocità, ogni dettaglio costruttivo contribuisce alla qualità della prestazione. Per questo Tecnomed Italia ha scelto di proporre esclusivamente cuscinetti con gabbia in Torlon: una soluzione tecnica selezionata per garantire stabilità, resistenza e affidabilità nel tempo.

In high-speed dental rotary instruments, every design detail contributes to overall performance quality. For this reason, Tecnomed Italia has chosen to offer exclusively bearings with a torlon cage: a technical solution selected to provide stability, resistance and long-term reliability.

Principali vantaggi della gabbia torlon:

- **Alta velocità:** una soluzione adatta alle applicazioni odontoiatriche ad alta velocità, dove precisione di rotazione, regolarità di funzionamento e controllo del comportamento dinamico sono requisiti essenziali.
- **Resistenza alla sterilizzazione**: il torlon è apprezzato per la sua stabilità nei cicli ripetuti di autoclave, una caratteristica particolarmente rilevante nelle strumentazioni sottoposte a sterilizzazione frequente.
- **Precisione:** l'impiego di materiali e soluzioni costruttive idonee contribuisce a soddisfare le esigenze di precisione richieste dai manipoli odontoiatrici ad alte prestazioni.
- **Bassa rumorosità:** una soluzione orientata a un funzionamento più fluido, con riduzione di rumore e vibrazioni, aspetti importanti sia per la qualità percepita sia per il comfort operativo.
- **Resistenza chimica:** indicata per contesti in cui la componentistica è esposta a vapore, umidità, pulizia frequente e agenti utilizzati nei processi di trattamento e manutenzione.

Una scelta coerente con la visione Tecnomed Italia: offrire una gamma orientata a qualità, durata e affidabilità applicativa.



Key advantages of the torlon cage:

- *High speed: a solution suitable for high-speed dental applications, where rotational precision, smooth operation and control of dynamic behaviour are essential requirements.*
- *Sterilisation resistance: torlon is valued for its stability during repeated autoclave cycles, a particularly important characteristic for instruments subjected to frequent sterilisation.*
- *Stability and precision: the use of suitable materials and optimized design solutions helps meet the precision requirements of high-performance dental handpieces.*
- *Low noise operation: a solution designed to support smoother operation, helping to reduce noise and vibration—key factors for both perceived quality and operating comfort.*
- *Chemical resistance: suitable for environments in which components are exposed to humidity, frequent cleaning and agents used in treatment and maintenance processes.*

A choice aligned with Tecnomed Italia's vision of offering a range focused on quality, durability and application reliability.

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

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 tazzine, 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 **Nitruro di Silicio** (Si_3N_4).

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 (Si3N4), are used.

Sfera in ceramica *Ceramic Ball*

Sfera in acciaio *Steel Ball*

Vantaggi della ceramica
Advantages of ceramic

- **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.*

Vantaggi dell'acciaio
Advantages of steel

- Costo di produzione inferiore, quindi **minore prezzo di mercato.**

- *They entail lower production costs, therefore, a lower market price.*

RADIALI O ANGOLARI?
RADIAL OR ANGULAR?

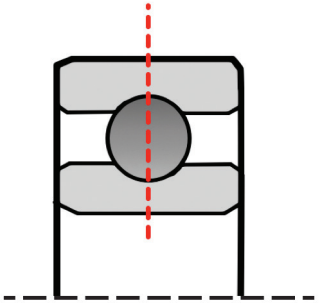
La differenza tra i cuscinetti a sfera a contatto angolare e radiale sta nel tipo di anello di tenuta interno, che definisce il supporto del carico della direzione assiale e radiale.

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.

Cuscinetti radiali
Radial contact ball bearings

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.

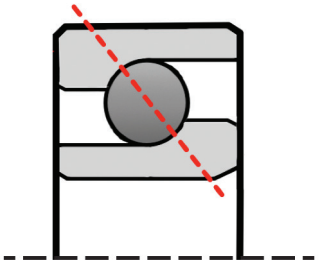
Radial contact ball bearings are those where the load force to be supported is perpendicular to the rotation axis. These bearings are particularly versatile. They are also suitable for use at high and very high speeds, they can withstand axial and radial loads in both directions, and require little maintenance. 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.



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

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 da 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.

COSA TI CONSIGLIAMO?
WHAT DO WE RECOMMEND?

Ciò che ti propone Tecnomed Italia sono cuscinetti che utilizza il nostro servizio tecnico per le riparazioni di ogni giorno:
cuscinetti Myonic in gabbia in torlon 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!

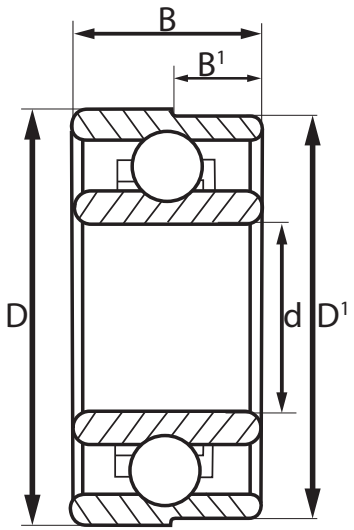
Buon lavoro!

What Tecnomed Italia offers are bearings that our technical service uses for daily repairs:
Myonic bearings in a torlon 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

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



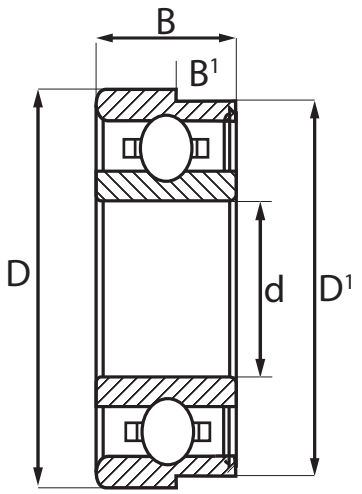
Size (mm)	
D	6.350
D1	6.00
d	3.175
B	2.38
B1	1.10

								CROSS REFERENCE
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**
CU61S	3,175 x 6,350 x 2,380 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Stepped	DR21B2L
CU61CC	3,175 x 6,350 x 2,380 mm	Torlon	Ceramic	Radial	7	Tecnomed Italia	Stepped	DR21B2L-801

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

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
DABI ATLANTE	MS350	●	●
SIEMENS	4000 M	●	●
	TM1 - TM2	●	●
NSK	TI-MAX X500	●	

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



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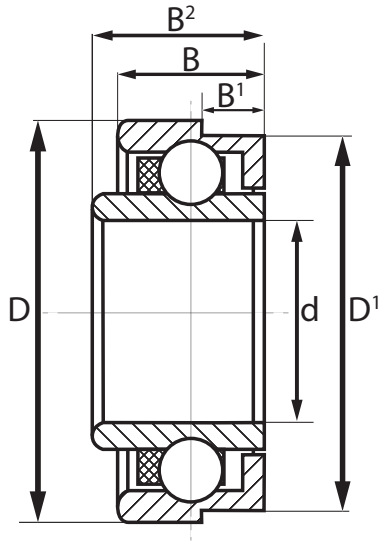
Size (mm)	
D	6.35
D1	6.00
d	3.175
B	2.78
B1	0.88

								CROSS REFERENCE	
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**	**Barden**
CU6K	3,175 x 6,350 x 2,779 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Stepped	DR70B2L	SR144STAY85K3C10CJ29
CU6CC	3,175 x 6,350 x 2,779 mm	Torlon	Ceramic	Radial	7	Tecnomed Italia	Stepped	DR70B2L-801	CSR144STAY85K3C10GJ2
CUB6B	3,175 x 6,350 x 2,779 mm	Torlon	Steel	Radial	7	Myonic	Stepped	DR70B2L	SR144STAY85K3C10CJ29
CUC99K	3,175 x 6,350 x 2,779 mm	Torlon	Ceramic	Radial	7	Myonic	Stepped	DR70B2L-801	CSR144STAY85K3C10GJ2

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

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
KAVO	625 / 630 / 634 / 636 / 640 / 642 / 643 646 / 647 / 649	●	●
	635	●	
	650	● + Code HKV214	●
	CONTACT AIR 632 PB/Screw-type	●	●
	SUPER TORQUE	●	●
CHIRANA	SATUR TG536 / TGL542 / TGL546	●	●
MTI	LYNX PUSH BUTTON	●	●
SIRONA	TS1/2	●	●
	4000S	●	●
	T1 CONTROL (Push with 3 cuts)	●	●
	TC3	●	●
MK-DENT	SERIES 20XX / 40XX / 60XX / 70XX	●	●

CU60SK / CU60CC | 3,175 x 6,35 x 2,38/2,78 mm stepped



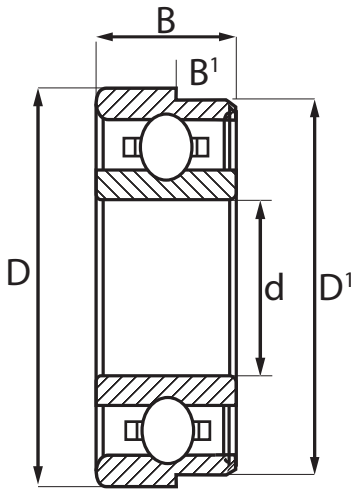
Size (mm)	
D	6.35
D^1	6.00
d	3.175
B	2.38
B^1	0.97
B^2	2.78

								CROSS REFERENCE
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**
CU60SK	3,175 x 6,350 x 2,380/2,779 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Stepped	DR21J2L
CU60CC	3,175 x 6,350 x 2,380/2,779 mm	Torlon	Ceramic	Radial	7	Tecnomed Italia	Stepped	DR21J2L-801

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

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
KAVO	637 B/C	●	●
	E680		●
	6000	●	
	635		●
	S605 / S615	●	●
	E675	●	
	E677	●	
	4500	●	●
	5000	●	●
SIRONA	T1 MINI	●	●
MK-DENT	HC8022 / HC9022	●	●
	HE17 / HE21 / HB21		●

CU36M | 3,175 x 7,520 x 2,87 mm stepped



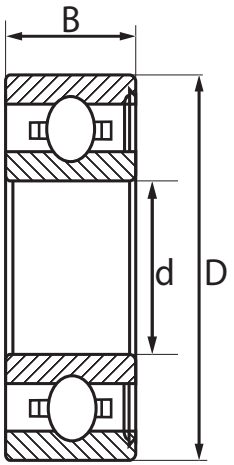
Size (mm)	
D	7.520
d	3.175
D1	6.320
B	2.87
C1	0.40

								CROSS REFERENCE
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**
CU36M	3,175 x 7,520 x 2,87 mm	Phenolic	Ceramic	Radial	7	Tecnomed Italia	Stepped	DA47Z4G-801

CU36M | 3,175 x 7,520 x 2,87 mm stepped
Applications

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
MIDWEST	STYLUS 540/541	●	●

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



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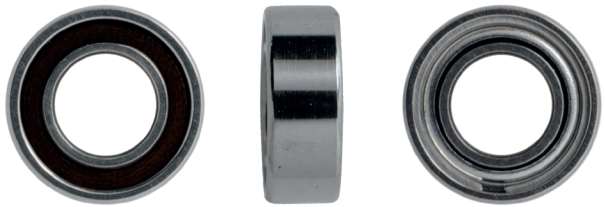


Size (mm)	
D	6.35
d	3.175
B	2.38

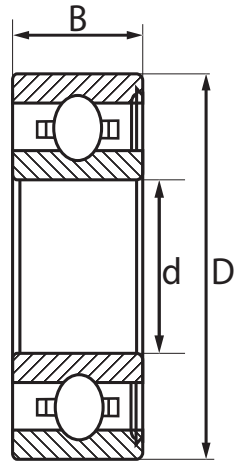
								CROSS REFERENCE	
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**	**Barden**
CN02A	3,175 x 6,350 x 2,380 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Smooth	DR02B2L	SR144STAY134K3C10GJ2
CN22BC	3,175 x 6,350 x 2,380 mm	Torlon	Ceramic	Radial	7	Tecnomed Italia	Smooth	DR02A2L-801	CSR144STAY134K3C10GJ
CN22MC	3,175 x 6,350 x 2,380 mm	Torlon	Steel	Radial	7	Myonic	Smooth	DR02B2L	SR144STAY134K3C10GJ2
CB22BC	3,175 x 6,350 x 2,380 mm	Torlon	Ceramic	Radial	7	Myonic	Smooth	DR02A2L-801	CSR144STAY134K3C10GJ

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

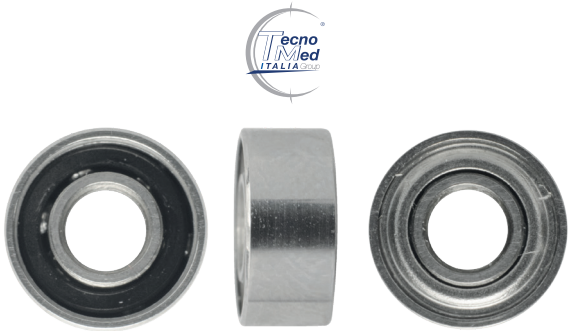
Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
CHAMPION		●	
CHIRADENT	3200 - 3400	●	●
FARO	S380	●	●
KMD	COLIBRI	●	●
KAVO	8000/B (compatible rotor)		●
	7000/B (compatible rotor)	●	●
IVORY	T501/L-SM502/4M 3 SPRAY		●
LARES	330E	●	●
	557 SMALL HEAD	●	
	757 LARGE HEAD	●	
MIDWEST	QUIET AIR LEVER/PUSH BUTTON		●
	QUIET AIR STANDARD		●
	TRADITION L/PB CONVERSION		●
	TRADITION STANDARD		●
MTC	105	●	●
MK-DENT	PRIME LINE HC8021 - HC9021		●
NSK	CH-QD		●
	MACH LITE ML		●
	MACH MC		●
	MC-QD		●
	NL-75		●
	P&S	●	●
	PANA-AIR MINI	●	●
	PANA-AIR STANDARD	●	●

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
NSK	PANA-AIR TORQUE	●	●
	PANA MAX TORQUE	●	●
	PTL-II		●
	SUPER GRADE	●	●
	TI-MAX X450 - X600 - X700	●	●
	TI-MAX X500 - Z800 - Z900		●
	TRIPLE SPRAY/KINETIC QUANTUM		●
	VIP	●	●
TECNOMED ITALIA	HCP115/116/117/118	●	●
TKD	MINI MASTER	●	●
W & H (ADEC)	200 MINI	●	●
	200 STANDARD	●	●
	300 MINI	●	●
	300 STANDARD	●	●
	395-398-695-795-895	●	●
	TK94 L/LM	●	●
SIEMENS	3000	●	●
SIRONA	T1/T2/T3 BOOST (Push with 3 cuts and rotor compatible TMI)	●	●
	T1/T2 CONTROL (Push with 3 cuts and rotor compatible TMI)	●	●
	T2 CONTROL ENJOY	●	●
YOSHIDA	H-QP (PB) (HIGH TORQUE)	●	●
	SL-QP (PB) (MINI HEAD)	●	●

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



myonic



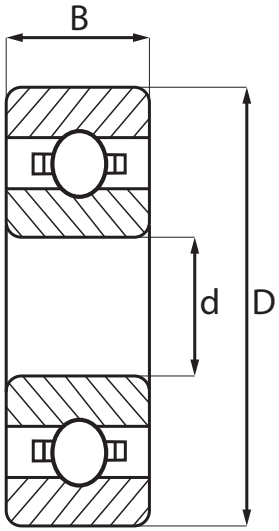
Size (mm)	
D	7.94
d	3.175
B	3.571

								CROSS REFERENCE	
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**	**Barden**
CU8B	3,175 x 7,938 x 3,571 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Smooth	DR09B2G	SR2-5STAY36C10GJ295E
CT88C	3,175 x 7,938 x 3,571 mm	Torlon	Ceramic	Radial	7	Tecnomed Italia	Smooth	DR09B2G-801	CSR2-5STAY36C10 O-10
CUT8T	3,175 x 7,938 x 3,571 mm	Torlon	Steel	Radial	7	Myonic	Smooth	DR09B2G	SR2-5STAY36C10GJ295E
CB89C	3,175 x 7,938 x 3,571 mm	Torlon	Ceramic	Radial	7	Myonic	Smooth	DR09B2G-801	CSR2-5STAY36C10 O-10

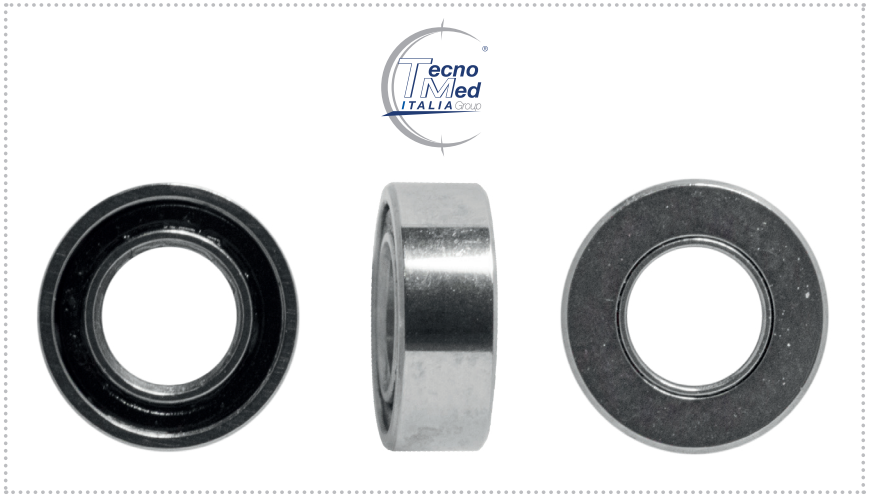
CU8B / CT88C / CUT8T / CB89C | 3,175 x 7,94 x 3,571 mm smooth **Applications**

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	●	●

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



Size (mm)	
D	6.35
d	3.175
B	1.91



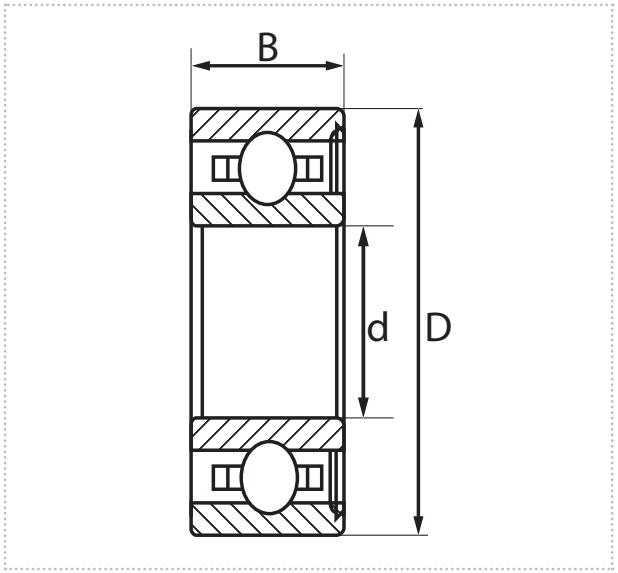
								CROSS REFERENCE
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**
CU757L	6,350 x 3,175 x 1,91 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Smooth	DR74A1L

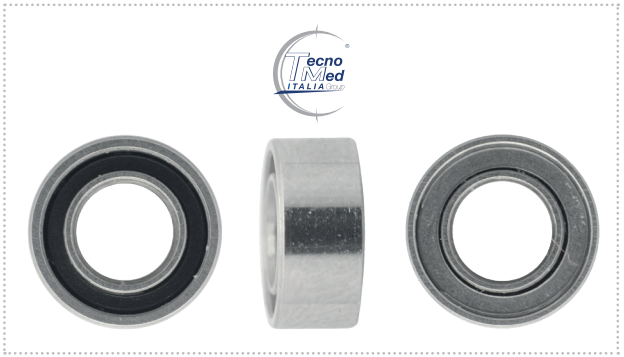
CU757L | 3,175 x 6,35 x 1,91 mm smooth
Applications

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

CN01B / CN11BC / CN11T / CB11BC / CL01LN* | 3,175 x 6,35 x 2,78 mm smooth

*INTEGRAL SHIELD

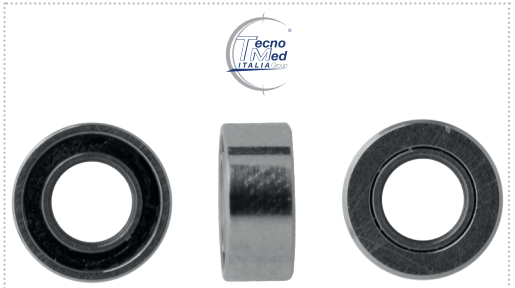




Size (mm)	
D	6.35
d	3.175
B	2.78

								CROSS REFERENCE	
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**	**Barden**
CN01B	3,175 x 6,350 x 2,779 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Smooth	DR55B2L	SR144STAY64K4C10CJ29
CN11BC	3,175 x 6,350 x 2,779 mm	Torlon	Ceramic	Radial	7	Tecnomed Italia	Smooth	DR55B2L-801	CSR144STAY64K4C10 CJ
CN11T	3,175 x 6,350 x 2,779 mm	Torlon	Steel	Radial	7	Myonic	Smooth	DR55B2L	SR144STAY64K4C10CJ29
CB11BC	3,175 x 6,350 x 2,779 mm	Torlon	Ceramic	Radial	7	Myonic	Smooth	DR55B2L-801	CSR144STAY64K4C10 CJ

							CROSS REFERENCE		
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**	**Barden**
CL01LN	3,175 x 6,350 x 2,779 mm	Torlon	Ceramic	Radial	7	Tecnomed Italia	Smooth	DR01B2L-801	CSR144STAY64K4C10 CJ



CN01B / CN11BC / CN11T / CB11BC / CL01LN* | 3,175 x 6,35 x 2,78 mm smooth

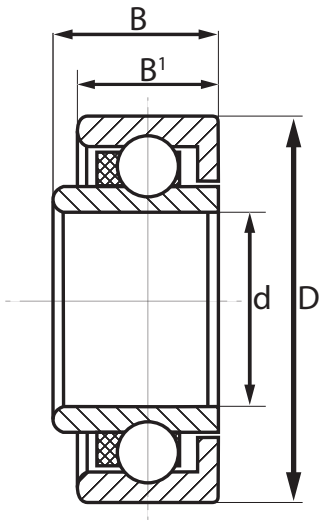
*INTEGRAL SHIELD

Applications

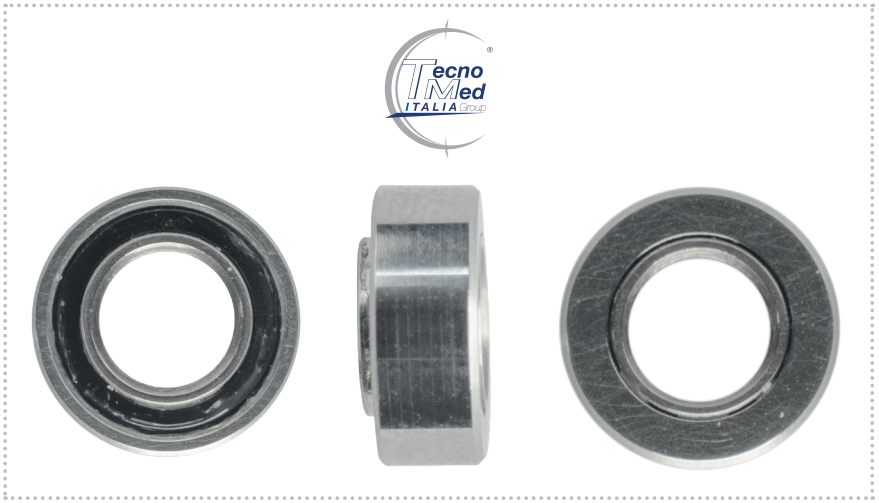
Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
FARO	DELTA	●	●
	TRILOGY / TRILOGY PLUS	●	●
	S400 / S405	●	●
	MT02	●	●
W & H (ADEC)	6XX - 7XX - 8XX SERIES	●	●
	TREND TC-80 / TC-95 / TE-95	●	●
	SYNEA TA-96 / TA-97 / TA-98	●	●
	SYNEA VISION TK-97 / TK-98 / TK100	●	●
	FUSION TG-97 7 TG-98	●	●
	ALEGRA TE-96BC	●	●
	190	●	●
MTC	7807	●	●
TKD	MICRA	●	●
	BRAVIA	●	●
	THERA L-R-E	●	●
	TITAN	●	●
B.A. INTERNATIONAL	BA670LKS (Push with 2 cuts)	●	●
	BA695L	●	●
	BA678L	●	●
	BA755L	●	●
	BA758L	●	●

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
BIEN-AIR	ONDINE	●	●
	PRESTIGE	●	●
	S30	●	●
	CROMA (SMALL HEAD)	●	●
	S32	●	●
	TORNADO	●	●
CASTELLINI	HI-POWER 2 CERAMICS	●	●
	TITANIUM GOLD 2L	●	●
	SILENT POWER 2L / 4L / GOLD / MINI	●	●
KAVO	655 / 660 / S609 / S619	●	●
	8000/B (compatible rotor)	●	
	8700		●
	E680L	●	
	9000	●	●
SIRONA	TI-T2 CONTROL (Push with 2 cuts)	●	●
	T2 RACER	●	●
	SIROBOOST S/T	●	●
	T2 MINI	●	●
	T3 / T4 RACER	●	●
FONA	8080L	●	●
IVORY	T501/L - S502/4M - 3 SPRAY	●	
	S504M 4 SPRAY	●	●
MK-DENT	HC8021 - HC9021	●	
	HE17 - HE21 - HB21	●	

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



Size (mm)	
D	6.35
d	3.175
B	2.78
B^1	2.38

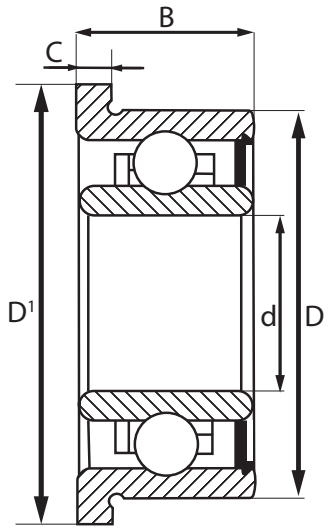


								CROSS REFERENCE	
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**	**Barden**
CU700K	3,175 x 6,350 x 2,380/2,779 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Groove	DR02J2L	SR144RSTAY196K3

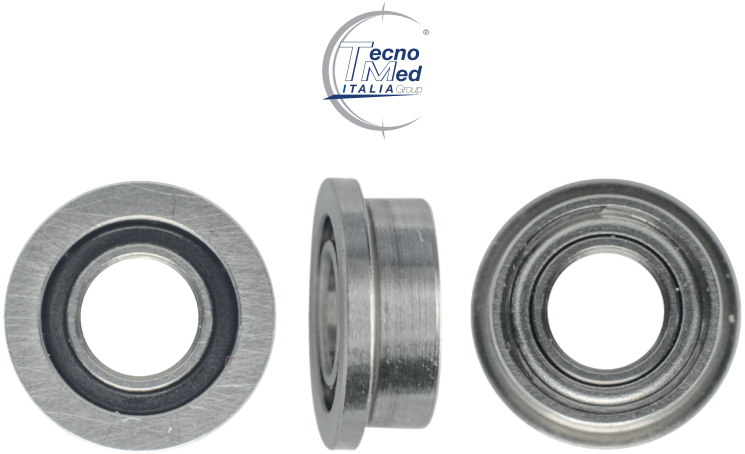
CU700K | 3,175 x 6,35 x 2,38/2,78 mm smooth
Applications

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

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



Size (mm)	
D	6.35
d	3.175
D¹	7.5
B	2.78
C	0.80

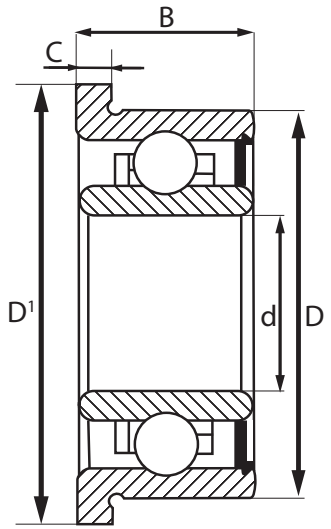


								CROSS REFERENCE	
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**	**Barden**
CU7C	3,175 x 6,350 x 2,779 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Smooth Flanged	DR01B2L	SFR144RSTAY167K4C10G
CU77C	3,175 x 6,350 x 2,779 mm	Torlon	Ceramic	Radial	7	Myonic	Smooth Flanged	DR01B2L-801	CSFR144RSTAY167K4C10

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

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
CASTELLINI	CLEAN AIR	●	●
DABI-ATLANTE	RS350	●	●
DME	ADEN	●	●
FARO	BTC77	●	●
MICRO MEGA	350	●	●
MIDWEST	QUIET AIR	●	
	TRADITION L/PB CONVERSION	●	
	TRADITION STANDARD	●	
	XGT/TRADITION PB (OEM)	●	●
NSK	KINETIC VIPER 360 TORQUE	●	●
	PHATELUS MINI	●	●
	PHATELUS STND/KINETIC VIPER 360	●	●
KAVO	8700	●	
W & H (ADEC)	ADEC 5000	●	●

CU13AN | 3,175 x 6,35 x 2,380 mm flanged



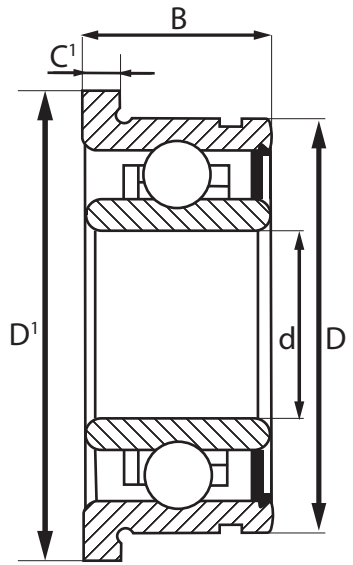
Size (mm)	
D	6.35
d	3.175
D1	7.5
B	2.380
C	0.80

								CROSS REFERENCE
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Minebea**
CU13AN	3,175 x 6,350 x 2,380 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Flanged	DRM13A6

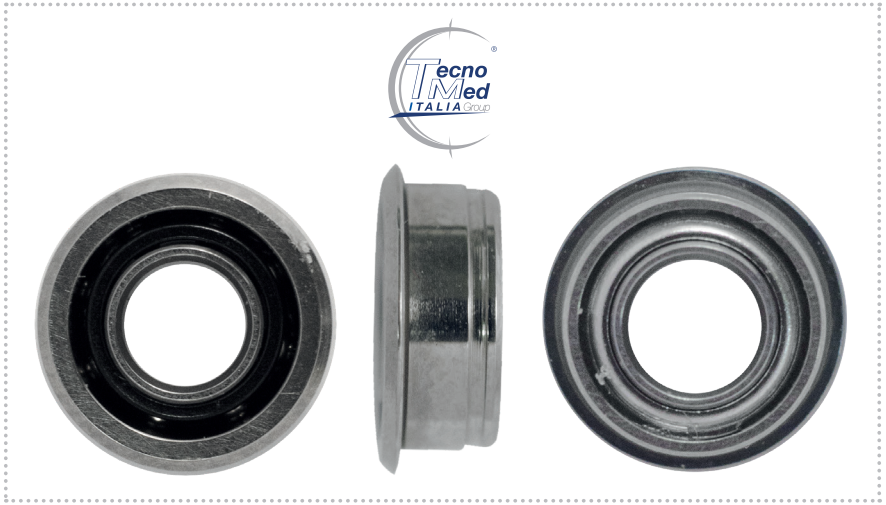
CU13AN | 3,175 x 6,35 x 2,380 mm flanged
Applications

Handpiece brand	Handpiece model	Front Bearing (burs side)	Rear Bearing (push side)
NSK	TI-MAX Z800 / Z900	●	●

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



Size (mm)	
D	6.35
d	3.175
D1	7.50
B	2.78
C1	0.40



								CROSS REFERENCE
TECNOMED ITALIA Order code	**Size d.i/d.e/h (mm)**	**Cage**	**Balls**	**Contact**	**Abec**	**Brand**	**Type**	**Timken**
CU58S	3,175 x 6,350 x 2,778 mm	Torlon	Steel	Radial	7	Tecnomed Italia	Flanged	DR54B2G

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

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