



Bearings & Components



CATALOGUE • CATALOGO
NEEDLE BEARINGS • CUSCINETTI A RULLINI

LDI® PRODUCT RANGE

Gamma completa prodotti LDI®

1. Bearings

Cuscinetti

2. Needle bearings

Cuscinetti a rullini

3. Energy - saving - bearings - LDI® E4B

Cuscinetti a risparmio energetico

NEW

Low - noise - bearings - LDI® E2B - E3B

Cuscinetti per applicazioni a bassa rumorosità

LDI® E28 EMQ Line - E38 SILVER Line

NEW

4. Pillow blocks

Supporti autoallineanti

5. Spherical plain bearings & rod ends

Snodi sferici & teste a snodo

6. Linear systems

Sistemi lineari

7. Stainless steel components

Componenti in acciaio inox



Bearings & Components

**is an idea
è una idea**





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LDI®'s Service Points Distributor in the world

Distributori LDI® Service Point nel mondo



Europe

- Austria
- Belarus
- Belgium
- Bulgaria
- Croatia
- Czech
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Latvia
- Lithuania
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- Russia
- Serbia
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- UK
- Ukraine
-

Asia

- China
- India
- Thailandia
- UAE
-

North America

- Canada
- Mexico
- USA
-

South America

- Argentina
- Brazil
- Chile
- Colombia
- Venezuela
-

Australia

- Australia
- New Zeland
-

Africa

- Algeria
- Egypt
- Marocco
- South Africa
- Tunisia
-

We are present... wherever you are!

LDI® has more than **350 "Service Points"** and thousands of distributors **world wide** .

Ovunque tu sia... noi ci siamo!

LDI® conta più di **350 punti** di riferimento **"Service Point"** e migliaia di distributori presenti in **Europa** e nel **mondo**.

"The Winning Team"



Bearings & Components

LDI® Bearings & Components was established in 1984 from a previous entity with a long-term experience in the industrial precision components sector. The idea of creating a brand in the national and international market is synonymous with quality and a full range in stock.

Selection Organization **LDI® Bearings & Components**'s experience guarantees the choice of the best world partner in the making of specific products. Out of professionalism is born the assurance of quality.

Out of the application of practical solutions in the storage of the goods, and in their loading and unloading, comes the high level of service to the customers.

Nasce nel 1984 da un'esperienza già più che decennale nel settore della componentistica di precisione per l'industria, l'idea di creare un marchio sul mercato nazionale e internazionale che è sinonimo di qualità con una gamma completa a stock.

LDI® Bearings & Components garantisce la scelta dei migliori partner mondiali nella realizzazione dei propri prodotti. Dalla professionalità nasce la sicurezza della qualità. Dall'adozione di soluzioni razionali nello stoccaggio delle merci e nelle operazioni logistiche deriva l'alto livello di servizio alla clientela.



View of the logistics center
European **LDI®**

Vista del centro logistico
Europeo di **LDI®**



In the summer of 2008, the new European Logistics Center was inaugurated, a reality that is developed on:

- **35,000** square meters;
- **6,000** square meter warehouse;
- **220** handling missions per hour;
- **3 automatic warehouses** with **6 stacker cranes**;
- **14,700** pallets;
- **5.000** drawers.

Nell'estate del 2008 è stato inaugurato il nuovo centro logistico europeo con una realtà che si sviluppa su:

- **35.000 mq** di area;
- di cui **6.000 mq** occupate dallo stabilimento;
- **170** missioni/ora pronte alle spedizioni;
- **3 magazzini automatici**, con **6 trasloelevatori**;
- **14.700** posti Euro-pallet;
- **5.000** cassetti.

QUALITY

100% Italy engineering. The **LDI**® process and design is completely followed and checked by our technical department in Italy. **LDI**® Bearings are made with our plans, technical and ISO requirements. Quality is our main objective, our company makes the required investments necessary to get this result.

BEST QUALITY. Our manufactures are all certified according to **UNI EN ISO 9001:2000** standards and it guarantees the quality of our products. Because of many different control steps provided during the production cycle.

LDI® Bearings & Components is able to guarantee the absolute reliability of its products.

La Qualità Lo sviluppo e la progettazione del prodotto **LDI**® è completamente seguita e collaudata dal nostro ufficio tecnico in Italia che, su specifiche interne, fornisce il capitolato al costruttore per materiale, giochi e tolleranze. La qualità è il nostro principale obiettivo e per questo l'Azienda ha effettuato gli investimenti necessari per raggiungere e migliorare il proprio obiettivo: Il massimo della qualità. I produttori, infatti, sono tutti certificati e costruiscono secondo le norme **UNI EN ISO 9001:2000**. **LDI**® Bearings & Components è in grado di garantire l'assoluta affidabilità dei suoi prodotti grazie alle diverse fasi di controllo previste nel ciclo produttivo.



RoHS Directive

All **LDI**® Bearings & Components products comply with the European standards set in the EU **RoHS directive** (Restriction of Hazardous Substances), Dir. 2009/95/EC concerning limitations in the use of hazardous substances that might be found in electric and electronic equipments.

The company's brand propriety is also a Uni-En Iso 9002 Certified Company with ICIM (Italian Certification Body) and IQNet (International Certification Body).

Direttiva RoHS Tutti i prodotti **LDI**® Bearings & Components sono conformi alle richieste europee **RoHS** (Restruction of Hazardous Substances) direttiva dell'unione europea 2002/95/EC alle restrizioni nell'uso di sostanze pericolose che potrebbero essere presenti nelle apparecchiature elettriche ed elettroniche.

L'azienda proprietaria del marchio è anche certificata Uni-En Iso 9002 con ICIM (in Italia) e IQNet (all'estero).



Bearings & Components

CATALOGUE • CATALOGO

Distributore autorizzato

Authorized distributor/

LDI® means quality • Our products are created by a pool of technicians, exploiting a high-level technical know-how and a broad fleet of high-technology machines. **LDI**® production embraces all kind of bearings; for orders of bearings with specific technical and constructing features we also have a technical department ready to design customized bearings in order to meet all needs. Here's the detailed presentation of standard bearings **LDI**®. This catalogue aims to help machines and equipment designers by providing a good resource of optimal solutions in the use of the bearings. It illustrates the technical and quality features, dimensions, and applications of all our bearings. The first section of the catalogue shows the dimensional tolerance, the execution game, the lubrication and all technical information that might be relevant to the choice of the most suited bearing. The second section includes designs of the bearings. In order to provide a interchangeable and time-resistant product all technical constructing features are standardized, according to the - ISO TS 1649 rules. All products are built in respect to the RoHS legislation, and for certification.

LDI® marchio sinonimo di qualità • Un marchio elaborato da un pool di costruttori utilizzanti elevato knowhow tecnico e parco macchine ad avanzata tecnologia. La produzione abbraccia tutto il settore dei cuscinetti; per cuscinetti con caratteristiche tecniche e costruttive particolari è a disposizione un ufficio tecnico in grado di costruire ad hoc un cuscinetto per ogni applicazione. Presentiamo il programma completo della produzione dei cuscinetti standard **LDI**®. Questo catalogo ha il compito di aiutare ed accompagnare i progettisti di macchine ed equipaggiamenti, fornendo loro un valido contributo nella ricerca delle soluzioni ottimali di impiego dei cuscinetti illustrandone le caratteristiche tecniche, dimensionali, applicative e qualitative. La prima parte del catalogo illustra le caratteristiche tecniche di tutte le serie di cuscinetti con le tolleranze dimensionali, il giuoco di esecuzione, la lubrificazione e le altre informazioni tecniche necessarie alla scelta del tipo di cuscinetto da utilizzare. La seconda parte del catalogo include i disegni dei cuscinetti. In queste, tutte le caratteristiche tecniche costruttive sono standardizzate in accordo alle norme - ISO TS 1649 al fine di fornire un prodotto intercambiabile, costante nel tempo. Tutti i prodotti sono costruiti sia nel rispetto della normativa RoHS, sia per certificazioni



Bearings & Components



Factory

Produzione

All **LDI**® products are manufactured exclusively by factories with UNI EN ISO 9001:2000 certified Quality Sistem.

Tutti i prodotti **LDI**® sono costruiti esclusivamente da aziende con *Sistema Qualità* certificato secondo le norme UNI EN ISO 9001:2000



- Heat treatment
Trattamento termico



- Surface grinding line
Linea di rettifica in piano



- Full grinding & superfinishing line
Linea completa di rettifica & superfinitura



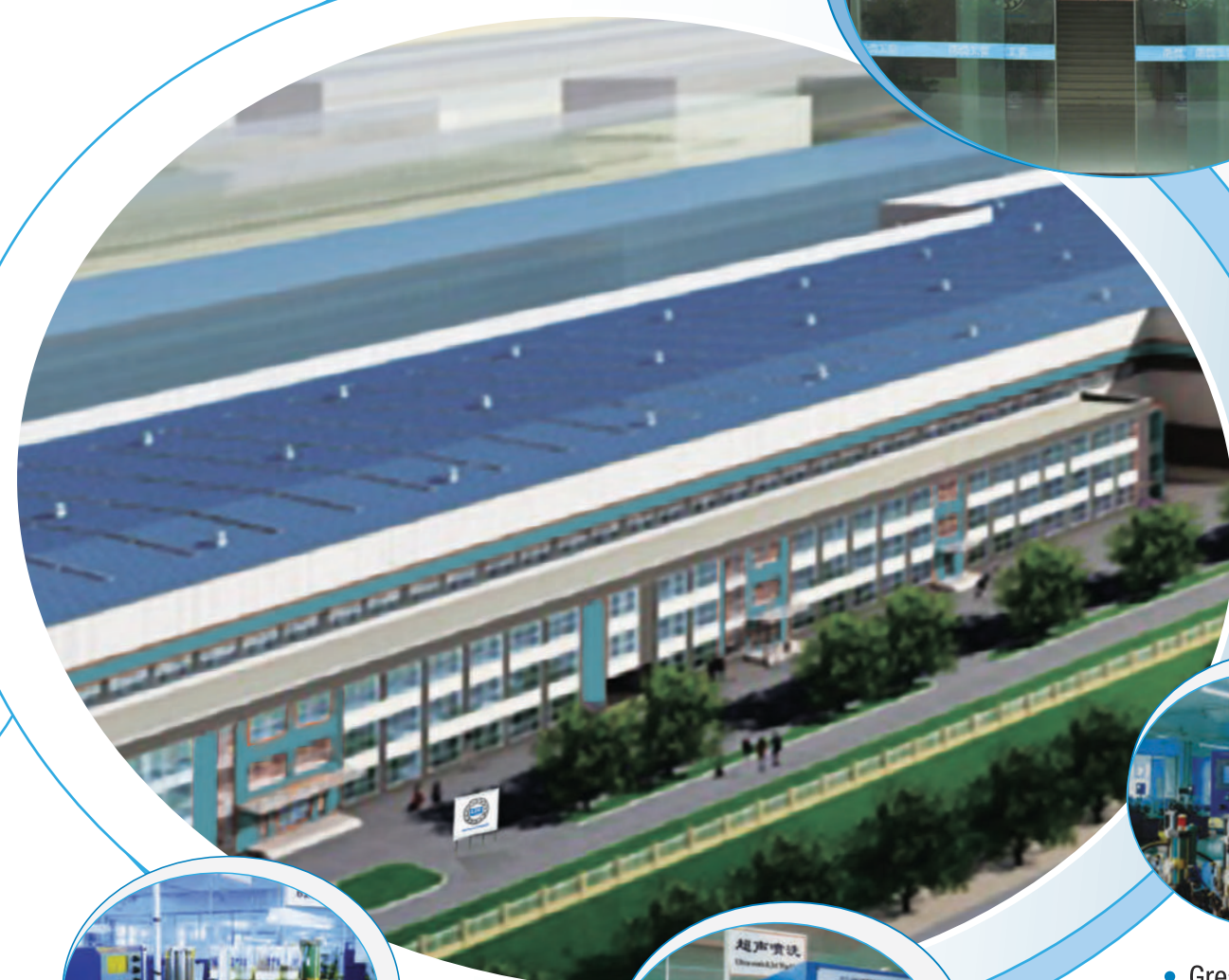
- Assembly line
Linea di assemblaggio



- Automatic washing line
Linea di lavaggio automatica



- Grease filling & shield pressing line
Linea di ingrassaggio & inserimento delle tenute



Manufacturing process

Processo di fabbricazione

Raw material
Materia prima

Cutting machines
Taglio lavorazione

Heat treatment
Trattamento termico

Grinding & Superfinishing
Rettifica & Superfinitura

Washing
Lavaggio

Assembly
Assemblaggio

Finished product quality control
Controllo qualità prodotto finito

Packing
Imballaggio



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- Anderometro **(new)**
Anderometro



- Durometer
Duometro



Quality control laboratory Physical inspection and European

Laboratorio controllo qualità
e ispezione materiale europeo

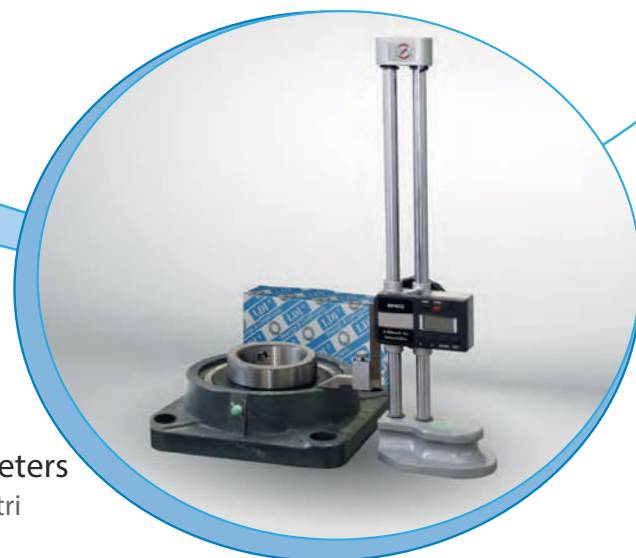
A quality control centre is located in our ITALY headquarters.
Our staff of technical engineers at your service, for Quality.

Centro di controllo per la qualità nella nostra sede in Italia.
Uno staff di Ingegneri tecnici della Qualità, al vostro servizio

- Roughness **(new)**
Rugosimetro

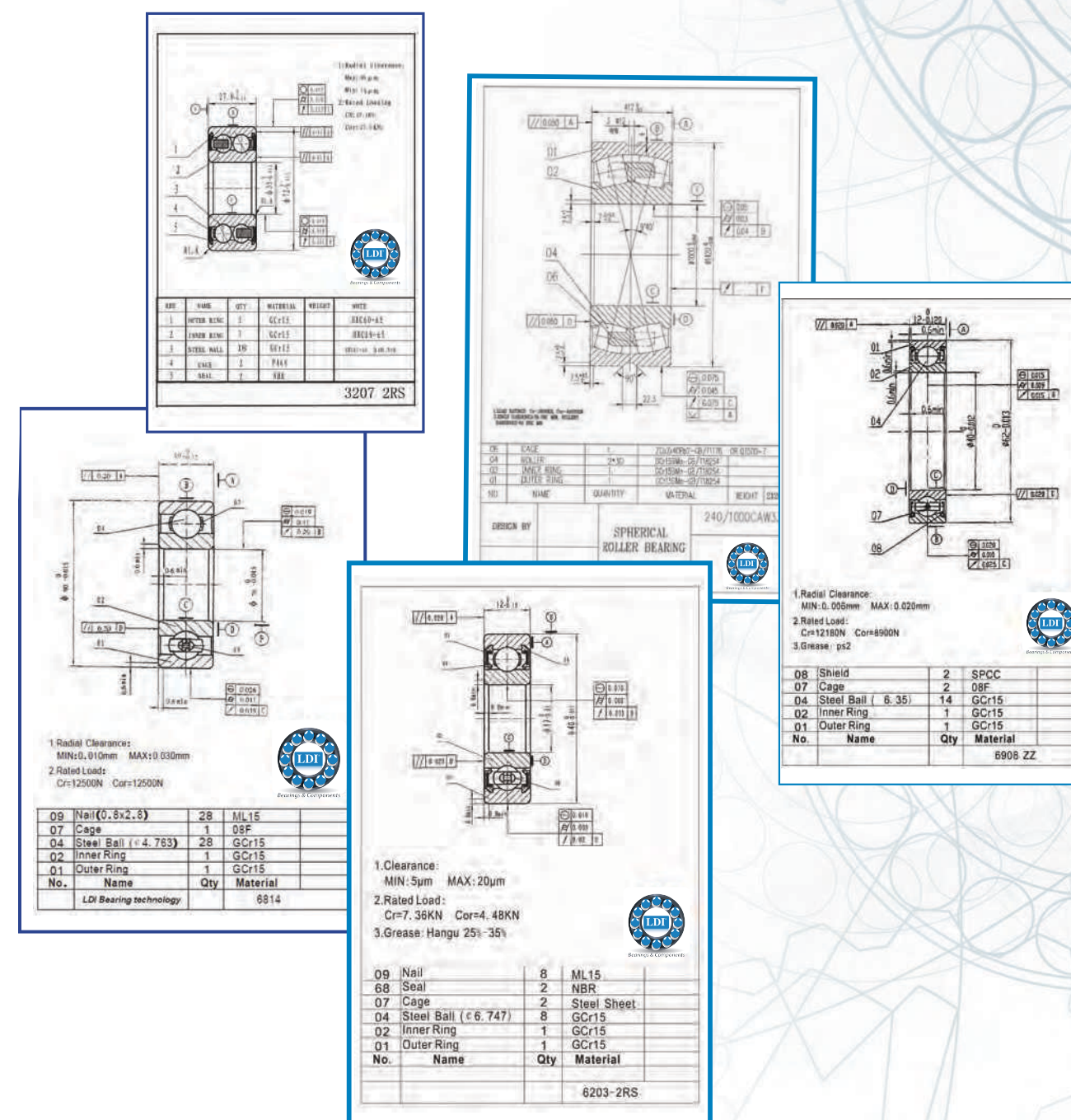


- Micrometers
Micrometri



Documentation quality and data sheets of the individual product LDI®

Documentazione qualità
e schede tecniche del singolo
prodotto LDI®





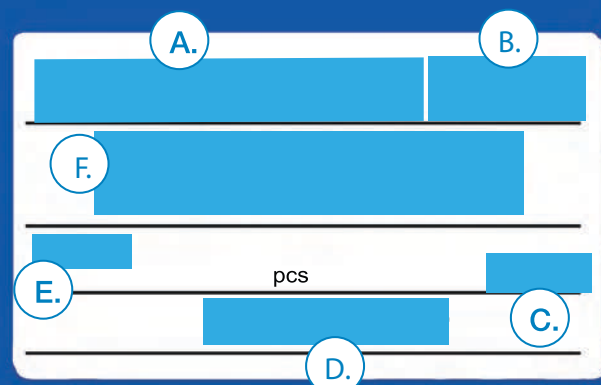
Bearings & Components

Product identification and traceability

Rintracciabilità
del singolo prodotto
e identificazione



1. Brand/ Marca
2. Type/Tipo
3. Factory code
Codice fabbrica di produzione



- A. Type/Tipo
- B. Factory code
Codice fabbrica di produzione
- C. Date of manufacture
Data di produzione

- D. LDI Code/Codice LDI
- E. Qty/ Quantità
- F. Magnetic stripe of the product
Banda magnetica del prodotto



Packing

Confezioni - Imballi

Single boxes. Bearings LDI can be supplied in single boxes and the better packing will be the choice on the basis of dimensions and weight of the bearings.

Industrial packing. When bearings are used in big quantity, as assembling lines, you can ask industrial pack composed with nylon she et or plastic blister.

Packing for transport. Bearing boxes are packed on Europ Pallet with protective film to obtain better quality transport. On request, we can propose personalized packing on Europallet, as LDI box pallet or LDI box pallet plus.

Confezioni singole. Tutti i cuscinetti LDI possono essere forniti in confezioni singole a seconda delle dimensioni e del peso del cuscinetto, viene utilizzato l'imballo più idoneo e sicuro per la buona conservazione.

Confezioni industriali. Quando i cuscinetti vengono utilizzati in grosse quantità sulle linee di montaggio possono essere richiesti in confezioni industriali avvolti in fogli di nylon oppure blister di plastica.

Imballaggio per il trasporto. Le scatole dei cuscinetti vengono solitamente accatastate su pallets reggettati e filmati in polietilene per agevolare il trasporto. Su richiesta possiamo fornire, al costo, imballi personalizzati su EuroPallet sui nostri modelli di LDI Box pallet o LDI Box pallet plus.



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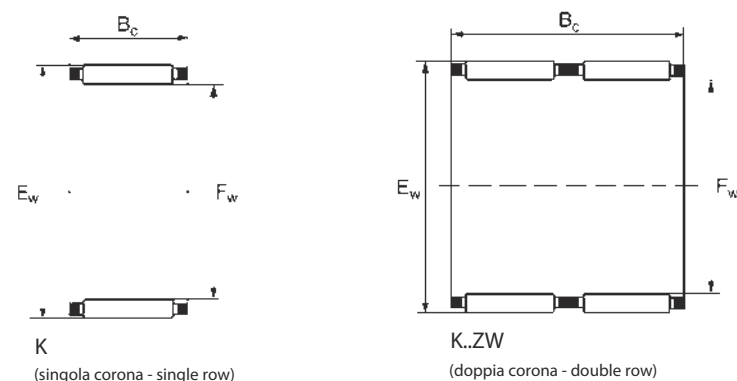
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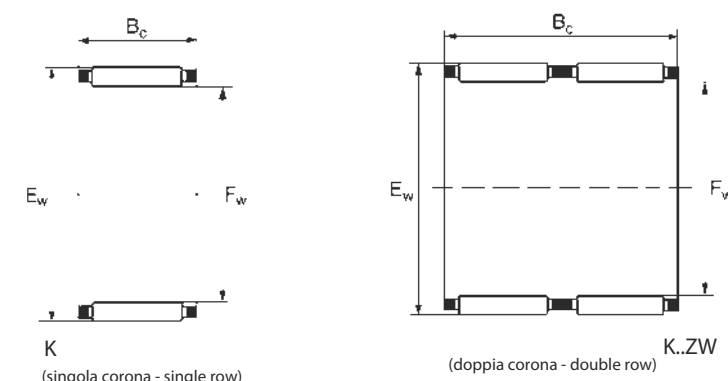


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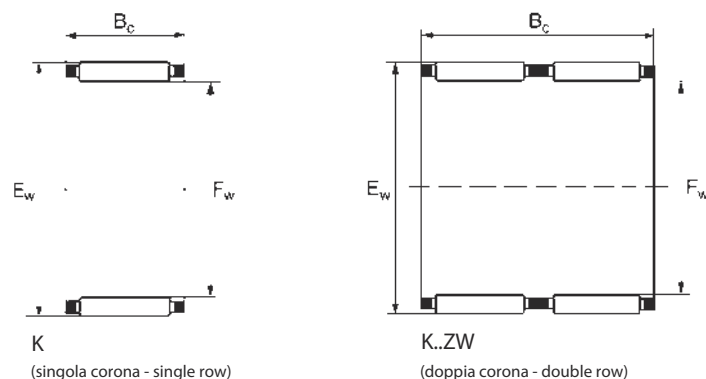
**is an idea
è una idea**



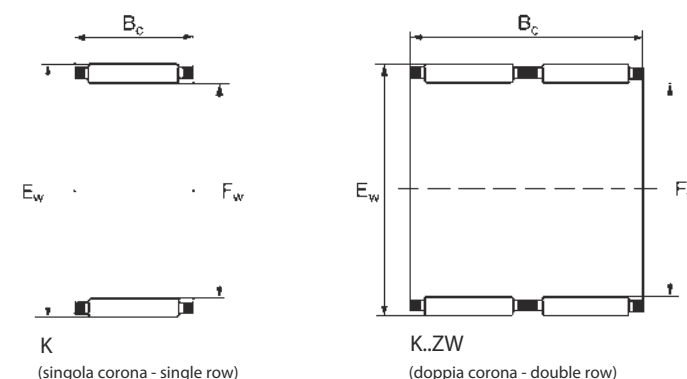
Diametro albero (mm) Shaf diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting Speed
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
3	K 3x5x7 TN	0.3	3	5	7	1 500	1 200	47 500
	K 3x5x9 TN	0.4	3	5	9	1 680	1 400	45 000
	K 3x6x7 TN	0.4	3	6	7	1 400	920	44 650
4	K 4x7x7 TN	0.5	4	7	7	1 700	1 200	40 850
	K 4x7x10 TN	0.7	4	7	10	2 280	1 850	40 850
5	K 5x8x8 TN	0.7	5	8	8	2 300	1 880	37 000
	K 5x8x10 TN	0.9	5	8	10	2 850	2 500	37 000
6	K 6x9x8 TN	0.8	6	9	8	2 560	2 240	35 150
	K 6x9x10 TN	1	6	9	10	3 300	3 100	35 150
	K 6x10x13 TN	1.3	6	10	13	3 800	2 900	33 250
7	K 7x9x7 TN	0.6	7	9	7	1 750	1 850	33 250
	K 7x10x8 TN	0.9	7	10	8	2 750	2 550	32 300
	K 7x10x10 TN	1.1	7	10	10	3 450	3 400	32 300
8	K 8x11x8 TN	1.1	8	11	8	3 000	2 900	30 400
	K 8x11x10 TN	1.7	8	11	10	3 830	3 950	30 400
	K 8x11x13 TN	1.8	8	11	13	5 000	5 700	30 400
	K 8x12x10 TN	2	8	12	10	4 900	4 600	30 400
9	K 9x12x10 TN	1.5	9	12	10	4 200	4 700	29 450
	K 9x12x13 TN	1.9	9	12	13	5 500	6 700	29 450
10	K 10x13x10 TN	1.6	10	13	10	4 500	5 250	27 550
	K 10x13x13 TN	2.1	10	13	13	6 000	7 600	27 550
	K 10x13x16 TN	2.2	10	13	16	6 750	8 800	27 550
	K 10x14x10 TN	2.9	10	14	10	7 000	7 900	27 550
	K 10x14x13 TN	4.3	10	14	13	7 500	8 400	27 550
12	K 10x16x12 TN	5.5	10	16	12	8 100	7 200	26 600
	K 12x15x9 TN	2.7	12	15	9	4 120	5 210	26 000
	K 12x15x10 TN	1.9	12	15	10	4 650	5 800	25 650
	K 12x15x13 TN	2.4	12	15	13	6 000	8 100	25 650
	K 12x15x20 - ZW	5	12	15	20	8 200	12 000	24 700
	K 12x16x8 TN	2.9	12	16	8	6 000	6 900	25 650
	K 12x16x10 TN	3.8	12	16	10	7 900	9 200	25 650
	K 12x16x13 TN	5.5	12	16	13	9 300	10 000	24 700
	K 12x17x13 TN	4.4	12	17	13	9 800	9 405	24 700
14	K 12x18x12 TN	5	12	18	12	4 200	4 700	25 650
	K 14x17x10	4	14	17	10	5 100	6 800	23 750
	K 14x17x17 TN	6.8	14	17	17	9 300	14 000	23 750
	K 14x18x10	4.8	14	18	10	6 800	8 300	23 750
	K 14x18x13	6.3	14	18	13	8 100	9 800	23 750
	K 14x18x14	6.8	14	18	14	9 200	12 000	23 750
	K 14x18x15	7.3	14	18	15	10 000	13 000	23 750



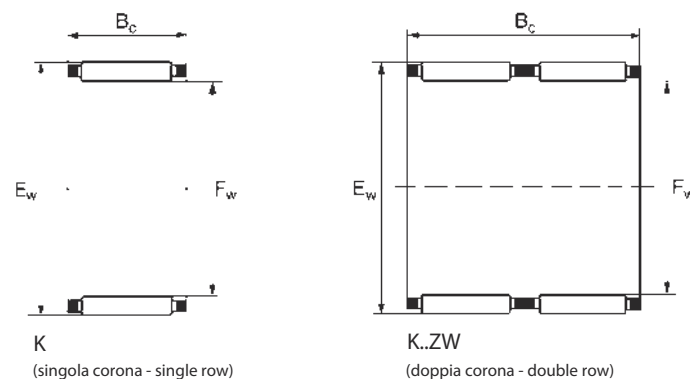
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting Speed
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
14	K 14x18x17	8.1	14	18	17	10 500	13 900	23 750
	K 14x20x12	8.6	14	20	12	9 900	10 500	22 800
15	K 15x18x14	5.3	15	18	14	7 500	11 000	22 800
	K 15x18x17	6.4	15	18	17	9 600	15 900	23 750
	K 15x19x10	5.1	15	19	10	7 200	9 000	22 800
	K 15x19x13	7	15	19	13	8 300	9 800	22 800
	K 15x19x17	8.8	15	19	17	10 300	15 000	22 800
	K 15x19x24	10.5	15	19	24	12 800	20 100	22 800
	K 15x20x13	8.9	15	20	13	9 700	11 000	22 800
	K 15x21x12	10	15	21	12	10 000	13 000	22 800
16	K 15x21x15	13	15	21	15	13 800	16 000	22 800
	K 15x21x21	18.2	15	21	21	18 000	24 000	22 800
	K 16x20x10	5.7	16	20	10	7 600	9 700	22 800
	K 16x20x13	7.1	16	20	13	8 700	11 300	22 800
	K 16x20x17	9.2	16	20	17	11 200	16 300	22 800
	K 16x21x10	6.7	16	21	10	9 000	12 000	22 800
	K 16x22x12	10.4	16	22	12	11 000	12 000	21 850
	K 16x22x13	11.9	16	22	13	12 000	13 400	21 850
17	K 16x22x16	13.7	16	22	16	14 300	17 000	21 850
	K 16x22x20	16.7	16	22	20	18 000	22 300	21 850
	K 16x23x14	20	16	23	14	19 000	21 000	20 000
	K 16x24x20	24.9	16	24	20	21 100	23 000	20 900
	K 17x21x10	5.6	17	21	10	7 900	10 100	21 850
	K 17x21x13	7.5	17	21	13	10 000	14 100	21 850
18	K 17x21x17	9.5	17	21	17	12 000	17 400	21 850
	K 17x23x14	11.5	17	23	14	11 000	15 000	21 850
	K 18x22x10	6.1	18	22	10	8 200	9 900	20 900
	K 18x22x13	7.7	18	22	13	9 000	12 100	20 900
	K 18x22x17	10.8	18	22	17	11 900	17 600	20 900
	K 18x24x12	11.6	18	24	12	12 150	14 150	20 900
19	K 18x24x13	12.6	18	24	13	12 900	14 900	20 900
	K 18x24x13.5	13	18	24	13.5	12 900	14 900	20 900
	K 18x24x20	19	18	24	20	20 000	26 500	20 900
	K 18x25x14	14.9	18	25	14	16 500	18 800	20 900
	K 18x25x22	24.3	18	25	22	22 900	28 400	20 900
	K 18x26x14	19	18	26	14	18 000	20 000	20 900
19	K 18x28x16	24	18	28	16	19 000	18 400	20 900
	K 19x23x13	8.2	19	23	13	9 300	13 000	20 900
	K19x23x17	11.1	19	23	17	12 000	18 600	20 900



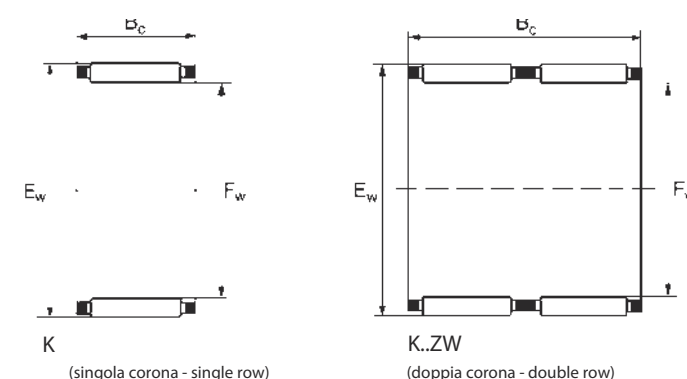
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting Speed
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
20	K 20x24x10	6.5	20	24	10	8 700	12 100	19 950
	K 20x24x12	8	20	24	12	9 600	13 800	19 950
	K 20x24x13	8.9	20	24	13	9 600	13 800	19 950
	K 20x24x17	11.2	20	24	17	12 400	20 000	19 950
	K 20x26x12	13.2	20	26	12	13 100	15 700	19 950
	K 20x26x13	14.3	20	26	13	14 100	17 400	19 950
	K 20x26x14	15	20	26	14	15 000	18 000	19 950
	K 20x26x16	17.5	20	26	16	18 000	25 000	19 950
	K 20x26x17	18.2	20	26	17	18 700	25 500	19 950
	K 20x26x20	22	20	26	20	20 600	28 500	19 950
	K 20x28x16	20	20	28	16	19 000	20 000	19 000
	K 20x28x20	26.8	20	28	20	23 400	28 000	19 000
21	K 20x28x25	36.2	20	28	25	30 000	38 500	19 000
	K 20x30x30	56	20	30	30	35 000	41 000	19 000
	K 21x25x13	9	21	25	13	9 600	14 500	19 950
22	K 21x25x17	12	21	25	17	12 800	21 000	19 950
	K 22x26x10	7.1	22	26	10	8 700	12 900	19 000
	K 22x26x13	9.4	22	26	13	10 000	15 400	19 000
	K 22x26x17	12.1	22	26	17	13 100	22 100	19 000
	K 22x27x13	10.8	22	27	13	14 000	23 000	19 000
	K 22x28x17	19.7	22	28	17	19 000	26 500	19 000
	K 22x28x23	26	22	28	23	20 000	27 000	19 000
	K 22x29x16	22.2	22	29	16	19 500	25 000	18 000
	K 22x30x15 TN	18	22	30	15	19 600	22 900	18 000
	K 22x30x20	28	22	30	20	21 000	23 500	18 000
23	K 22x32x24	43.4	22	32	24	33 500	39 500	17 000
	K 23x35x16 TN	30	23	35	16	24 000	23 400	16 150
24	K 24x28x10	8.1	24	28	10	9 400	14 300	18 000
	K 24x28x13	10.1	24	28	13	10 500	17 000	18 000
	K 24x28x17	13.2	24	28	17	14 000	24 500	18 000
	K 24x29x13	13.5	24	29	13	13 100	19 100	17 000
	K 24x30x17	21.5	24	30	17	19 000	27 000	17 000
25	K 24x30x31 - ZW	39.1	24	30	31	27 000	43 000	17 000
	K 25x29x10	8.3	25	29	10	9 700	14 900	17 000
	K 25x29x13	10.4	25	29	13	10 800	17 900	17 000
	K 25x29x17	13.7	25	29	17	14 500	25 500	17 000
	K 25x30x13	12.9	25	30	13	14 100	21 300	17 000
	K 25x30x17	16	25	30	17	17 800	28 500	17 000
	K 25x30x20	20.5	25	30	20	21 100	34 675	17 000
	K 25x30x25	21	25	30	25	21 700	40 400	17 000



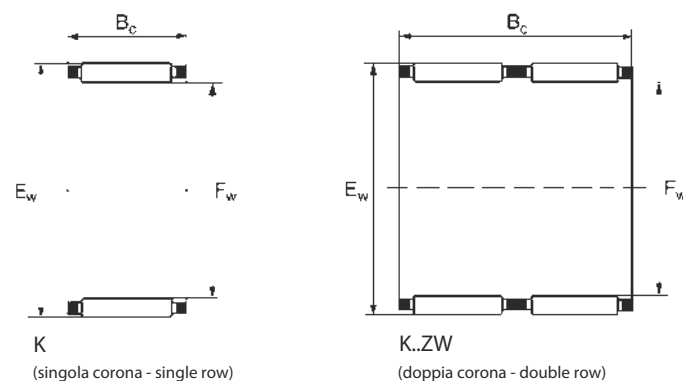
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting Speed
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
25	K 25x30x26	21.6	25	30	26	20 100	26 500	17 000
	K 25x30x26 - ZW	27	25	30	26	21 000	35 000	15 000
	K 25x31x17	21.8	25	31	17	19 000	28 000	17 000
	K 25x31x21	26.2	25	31	21	24 100	37 500	17 000
	K 25x32x16	24.5	25	32	16	20 500	27 500	16 150
	K 25x33x20	32	25	33	20	28 000	37 500	16 150
	K 25x33x24	38.7	25	33	24	33 900	46 500	16 150
	K 25x34x18	32	25	34	18	48 000	67 000	16 150
	K 25x35x30	65.5	25	35	30	46 500	61 500	15 200
26	K 26x30x10	9	26	30	10	9 500	15 500	17 000
	K 26x30x13	11.4	26	30	13	11 100	18 700	17 000
	K 26x30x17	15	26	30	17	14 700	27 000	17 000
	K 26x30x22 - ZW	12.3	26	30	22	15 200	28 000	17 000
	K 26x31x13	9.9	26	31	13	12 400	18 400	17 000
27	K 27x32x27	29	27	32	27	16 000	34 000	17 000
28	K 28x32x16.5	18	28	32	16.5	15 000	32 400	15 200
	K 28x32x17	18.2	28	32	17	15 000	32 400	15 200
	K 28x33x13	15.2	28	33	13	14 800	23 600	15 200
	K 28x33x17	19.5	28	33	17	19 100	33 000	15 200
	K 28x33x27 TN	19	28	33	27	22 800	40 500	15 200
	K 28x34x17	24.2	28	34	17	21 300	35 000	15 200
	K 28x35x16	29	28	35	16	21 000	29 000	15 200
	K 28x35x18	31	28	35	18	23 500	33 500	15 200
	K 28x35x20	35	28	35	20	24 000	34 000	15 200
	K 28x35x27	47	28	35	27	34 500	54 500	15 200
	K 28x36x16	40	28	36	16	31 000	47 000	15 200
	K 28x40x18	50	28	40	18	33 000	36 500	13 300
30	K 28x40x25	71	28	40	25	45 000	54 500	13 300
	K 30x34x13	14.6	30	34	13	11 800	21 200	14 250
	K 30x35x13	16.3	30	35	13	15 100	25 000	14 250
	K 30x35x17	21.3	30	35	17	19 100	33 500	14 250
	K 30x35x26 - ZW	32	30	35	26	23 500	43 500	13 000
	K 30x35x27	33.3	30	35	27	30 000	58 500	14 250
	K 30x37x16	26.4	30	37	16	22 500	33 000	14 250
	K 30x37x18	34	30	37	18	25 500	38 000	14 250
	K 30x38x25	43	30	38	25	26 000	39 000	14 250
	K 30x40x18	44	30	40	18	31 500	39 500	13 300
	K 30x40x30	78	30	40	30	48 500	68 500	14 250



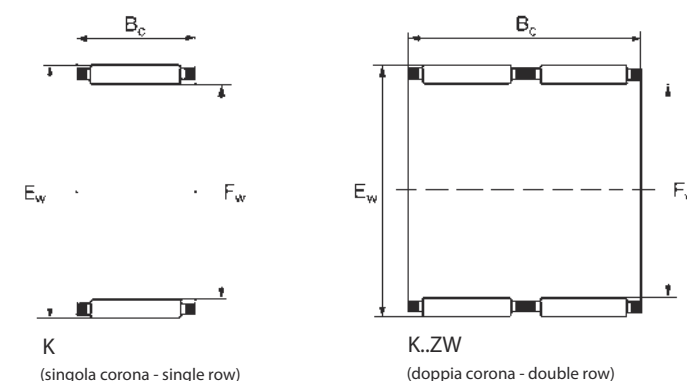
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting Speed
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
32	K 32x37x13	18.3	32	37	13	15 000	25 000	13 300
	K 32x37x17	22.4	32	37	17	19 400	35 000	13 300
	K 32x37x27	36.7	32	37	27	29 500	59 500	13 300
	K 32x37x28 TN	22.3	32	37	28	23 100	43 000	13 300
	K 32x38x16	25	32	38	16	21 000	34 000	13 300
	K 32x38x20	31	32	38	20	26 000	44 500	13 300
	K 32x38x26 TN	25.2	32	38	26	27 000	46 500	13 300
	K 32x39x16	36.7	32	39	16	23 500	35 000	13 300
	K 32x39x18	37.2	32	39	18	26 000	40 500	13 300
	K 32x40x20	48	32	40	20	37 000	40 500	13 300
	K 32x40x25	54	32	40	25	37 000	57 500	13 300
	K 32x40x36	73	32	40	36	53 500	91 500	13 300
	K 32x40x42 TN - ZW	77.1	32	40	42	49 500	83 500	12 350
	K 32x46x32	119	32	46	32	65 500	82 500	12 350
35	K 35x40x13	18.8	35	40	13	15 800	27 500	12 350
	K 35x40x17	25.3	35	40	17	20 300	38 000	12 350
	K 35x40x25	31	35	40	25	29 000	59 500	12 350
	K 35x40x27 TN	23.4	35	40	27	24 500	48 000	12 350
	K 35x40x30 - ZW	48	35	40	30	25 500	50 500	11 000
	K 35x40x32 - ZW	50	35	40	32	30 500	64 500	11 000
	K 35x42x16	34	35	42	16	23 900	37 000	12 350
	K 35x42x18	39.2	35	42	18	27 000	42 500	12 350
	K 35x42x20	41	35	42	20	29 500	48 500	11 000
	K 35x42x30	62.4	35	42	30	38 500	67 500	12 350
	K 35x43x18	38	35	43	18	28 000	41 500	12 350
	K 35x45x20	55.5	35	45	20	36 500	49 500	11 400
	K 35x45x30	80	35	45	30	52 500	78 500	11 400
	K 35x45x49	138	35	45	49	81 500	13 400	11 400
	K 36x41x30	52	36	41	30	23 000	43 000	11 400
36	K 36x42x16	50	36	42	16	24 000	42 000	11 400
	K 37x42x17	25.8	37	42	17	21 900	42 500	11 400
37	K 37x42x27	40.7	37	42	27	31 500	67 500	11 400
	K 37x45x26	60.5	37	45	26	43 500	73 500	11 400
	K 38x43x17	26.1	38	43	17	20 000	38 000	11 400
38	K 38x43x27	43.2	38	43	27	31 000	67 500	11 400
	K 38x46x20	46	38	46	20	35 000	56 500	11 400
	K 38x46x32	72.7	38	46	32	54 500	98 500	11 400
39	K 39x44x24	38	39	44	24	28 000	58 500	11 400
	K 39x44x26 - ZW	29.5	39	44	26	27 000	55 500	11 400



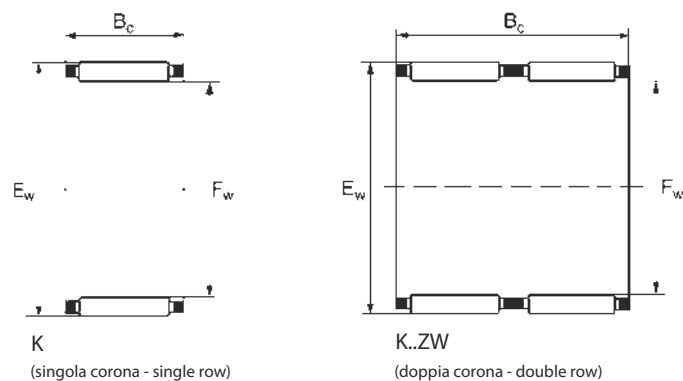
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting Speed
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
40	K 40x44x13	20	40	44	13	13 500	28 000	11 400
	K 40x45x13	21.5	40	45	13	17 100	32 000	11 400
	K 40x45x17	27.4	40	45	17	20 900	41 000	11 400
	K 40x45x21	36.5	40	45	21	24 400	49 500	11 400
	K 40x45x27	46	40	45	27	32 500	72 500	11 400
	K 40x45x30	48	40	45	30	26 000	53 500	10 000
	K 40x46x17	45.2	40	46	17	29 000	49 500	10 450
	K 40x47x18	42	40	47	18	32 000	56 500	10 450
	K 40x47x20	57.7	40	47	20	35 500	58 500	10 450
	K 40x48x20	30	40	48	20	24 500	44 500	10 450
42	K 42x47x13	22.5	42	47	13	17 300	33 000	10 450
	K 42x47x17	31.1	42	47	17	21 100	42 500	10 450
	K 42x47x25 TN	25.7	42	47	25	27 000	57 500	10 450
	K 42x47x27	46.6	42	47	27	33 000	74 500	10 450
	K 42x47x30 - ZW	54	42	47	30	31 000	75 500	10 450
	K 42x48x35	53	42	48	35	31 000	49 500	10 450
	K 42x50x18	54	42	50	18	34 500	56 500	10 450
43	K 42x50x20	60	42	50	20	35 000	76 000	10 450
	K 43x48x17	29.3	43	48	17	21 000	42 500	10 450
	K 43x48x27	45.7	43	48	27	33 000	74 500	10 450
	K 43x50x18	48.5	43	50	18	30 500	53 500	10 450
	K 45x49x19	27	45	49	19	17 500	40 000	9 500
	K 45x50x17	25.5	45	50	17	22 000	45 500	9 500
45	K 45x50x27	50	45	50	27	34 000	79 500	9 500
	K 45x50x32 TN	45	45	50	32	38 000	90 500	9 500
	K 45x51x36	85	45	51	36	44 500	98 500	9 500
	K 45x52x18	32.9	45	52	18	39 500	57 500	9 500
	K 45x52x21 TN	62.2	45	52	21	38 500	66 500	9 500
	K 45x53x20	65	45	53	20	38 000	66 500	9 500
	K 45x53x21	68.4	45	53	21	42 000	72 200	9 500
	K 45x53x22	78	45	53	22	51 500	97 500	9 500
	K 45x53x28	60.5	45	53	28	43 500	53 500	9 000
	K 45x59x18 TN	145.5	45	59	18	72 500	101 500	9 000
	K 45x59x32	159	45	59	32	75 500	108 500	9 000
	K 45x59x36	51	45	59	36	31 000	56 500	9 500
47	K 47x52x17	32	47	52	17	22 800	48 500	9 500
	K 47x52x27	50.7	47	52	27	34 500	82 500	9 500
	K 47x53x25	53	47	53	25	38 000	81 500	9 500
	K 47x55x28	80	47	55	28	52 500	99 500	9 500



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting Speed
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
48	K 48x54x19	44	48	54	19	30 000	60 500	9 500
	K 48x54x25	55	48	54	25	31 000	61 000	9 500
50	K 50x55x13.5	31	50	55	13.5	17 500	36 000	9 000
	K 50x55x17	35	50	55	17	21 400	46 500	9 000
	K 50x55x20	39.4	50	55	20	26 000	59 500	9 000
	K 50x55x30	59.4	50	55	30	38 500	96 500	9 000
	K 50x57x18	53.4	50	57	18	33 000	62 500	8 500
	K 50x58x20	75	50	58	20	35 000	61 500	8 500
52	K 50x58x25	81	50	58	25	43 500	80 500	8 500
	K 52x57x12	24	52	57	12	17 500	36 000	8 500
55	K 55x60x20	43.4	55	60	20	28 000	65 500	8 000
	K 55x60x27	60.5	55	60	27	37 500	96 500	8 000
	K 55x60x30	68.6	55	60	30	40 500	103 000	8 000
	K 55x60x40 - ZW	96.5	55	60	40	48 000	132 000	8 000
	K 55x61x20	58.4	55	61	20	35 000	69 500	8 000
	K 55x62x18	53	55	62	18	24 500	40 500	8 000
	K 55x63x15	73.3	55	63	15	39 500	73 500	8 000
	K 55x63x20	88	55	63	20	49 500	99 500	8 000
	K 55x63x25	117	55	63	25	61 500	129 500	8 000
56	K 55x63x32	56	55	63	32	41 000	110 000	8 000
	K 56x61x20	45	56	61	20	27 000	64 500	8 000
58	K 58x63x17	42	58	63	17	25 650	63 500	8 000
	K 58x64x19	53	58	64	19	33 250	77 500	7 600
	K 58x65x18	52	58	65	18	34 500	69 500	7 600
	K 58x65x36 - ZW	106	58	65	36	48 500	106 500	7 600
60	K 60x65x20	50.5	60	65	20	29 000	71 500	7 600
	K 60x65x30	71.2	60	65	30	42 000	115 500	7 600
	K 60x66x33 - ZW	104	60	66	33	45 500	111 500	7 600
	K 60x66x40 - ZW	116	60	66	40	57 500	150 500	7 600
	K 60x68x20	79	60	68	20	43 000	84 500	7 100
	K 60x68x23	94	60	68	23	49 000	100 500	7 100
	K 60x68x25	97	60	68	25	52 500	110 500	7 100
	K 60x68x27	98	60	68	27	49 500	100 000	7 100
	K 60x68x30 - ZW	136	60	68	30	44 000	87 500	7 100
	K 60x68x34 - ZW	140	60	68	34	47 500	95 500	7 100
62	K 60x75x42	240	60	75	42	113 000	192 000	7 100
	K 62x70x40 - ZW	174	62	70	40	65 500	145 500	7 100
63	K 63x70x21	75	63	70	21	45 000	100 500	7 100
64	K 64x70x16	53	64	70	16	27 500	59 500	7 100



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting Speed
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
65	K 65x70x20	49	65	70	20	30 000	76 500	7 100
	K 65x70x30	83	65	70	30	43 500	123 500	7 100
	K 65x73x23	100	65	73	23	45 500	93 500	6 650
	K 65x73x30	141	65	73	30	56 500	122 500	6 650
68	K 68x74x20	65	68	74	20	35 000	83 500	6 650
	K 68x74x30	97	68	74	30	46 000	117 500	6 650
	K 68x74x35 - ZW	116	68	74	35	48 000	124 500	6 650
70	K 70x76x20	70	70	76	20	35 500	85 500	6 200
	K 70x76x30	100	70	76	30	51 500	138 500	6 200
	K 70x78x25	115	70	78	25	51 500	111 500	6 200
	K 70x78x30	136	70	78	30	59 500	134 500	6 200
	K 70x78x46 - ZW	230	70	78	46	77 500	179 550	6 200
72	K 70x80x30	150	70	80	30	60 000	135 000	6 200
	K 72x80x20	94	72	80	20	41 000	84 500	6 200
73	K 73x79x20	69	73	79	20	36 500	85 500	6 200
75	K 75x81x20	72	75	81	20	37 000	93 500	6 200
	K 75x81x30	106	75	81	30	51 500	142 000	6 200
	K 75x83x23	113	75	83	23	49 500	108 000	5 700
	K 75x83x30	147	75	83	30	61 500	142 000	5 700
	K 75x83x35 - ZW	182	75	83	35	62 500	146 500	5 700
	K 75x83x40 - ZW	211	75	83	40	72 500	176 500	5 700
80	K 80x86x20	76	80	86	20	38 000	97 500	5 700
	K 80x86x30	114	80	86	30	55 500	158 500	5 700
	K 80x88x30	141	80	88	30	71 500	178 500	5 700
	K 80x88x40 - ZW	227	80	88	40	75 500	191 500	5 700
	K 80x88x46 - ZW	260	80	88	46	87 500	219 450	5 700
85	K 85x92x20	96	85	92	20	44 000	107 500	5 200
90	K 90x97x20	103	90	97	20	44 500	112 500	4 750
	K 90x98x27	150	90	98	27	60 500	149 500	4 750
	K 90x98x30	172	90	98	30	67 500	171 500	4 750
95	K 95x102x20	110	95	102	20	45 500	122 500	4 500
	K 95x103x30	177	95	103	30	68 500	179 500	4 500
	K 95x103x40 - ZW	260	95	103	40	82 500	227 500	4 500
100	K 100x107x21	120	100	107	21	47 500	126 500	4 300
	K 100x108x27	176	100	108	27	56 500	142 500	4 300
	K 100x108x30	190	100	108	30	70 500	187 500	4 300
105	K 105x112x21	123	105	112	21	47 000	126 500	4 200
	K 105x113x30	216	105	113	30	71 500	196 500	4 200
110	K 110x117x24	172	110	117	24	55 500	157 500	4 100
	K 110x118x30	217	110	118	30	77 500	218 500	4 100

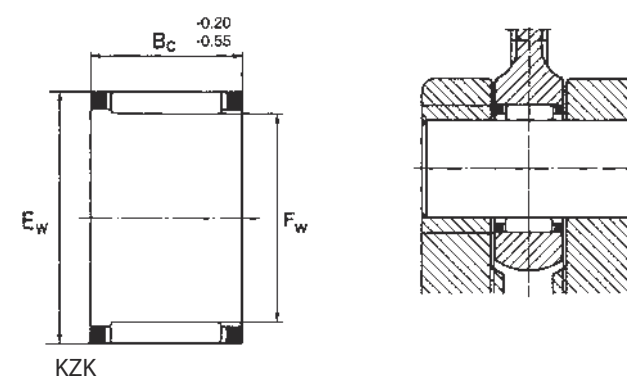
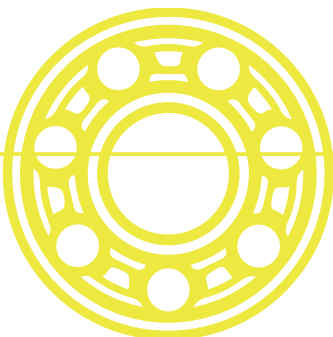


Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting Speed
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
115	K 115x123x27	200	115	123	27	59 850	161 500	4 000
120	K 120x127x24	165	120	127	24	56 050	165 300	3 900
	K 120x127x34	222	120	127	34	76 950	247 000	3 900
125	K 125x133x35	275	125	133	35	81 700	247 000	3 700
130	K 130x137x24	170	130	137	24	57 950	176 700	3 600
135	K 135x143x35	300	135	143	35	86 450	275 500	3 400
145	K 145x153x26	262	145	153	26	70 300	213 750	3 200
	K 145x153x36	300	145	153	36	93 100	308 750	3 200
150	K 150x160x46	570	150	160	46	139 650	446 500	3 100
155	K 155x163x26	265	155	163	26	71 250	224 200	3 000
	K 155x163x36	356	155	163	36	95 000	323 000	3 000
160	K 160x170x46	550	160	170	46	144 400	484 500	2 900
165	K 165x173x26	320	165	173	26	76 950	251 750	2 800
170	K 170x180x46	600	170	180	46	150 100	513 000	2 700
175	K 175x183x32	400	175	183	32	94 050	332 500	2 600
185	K 185x195x37	607	185	195	37	121 600	403 750	2 500
195	K 195x205x37	620	195	205	37	126 350	427 500	2 400
210	K 210x220x42	740	210	220	42	146 300	532 000	2 200
220	K 220x230x42	790	220	230	42	150 100	560 500	2 100
240	K 240x250x42	850	240	250	42	155 800	598 500	1 900
265	K 265x280x50	1 810	265	280	50	242 250	817 000	1 700

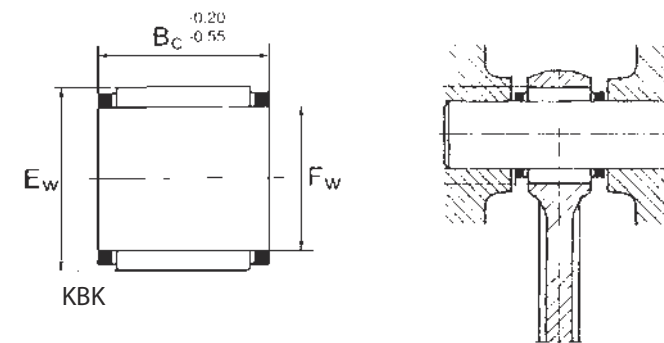
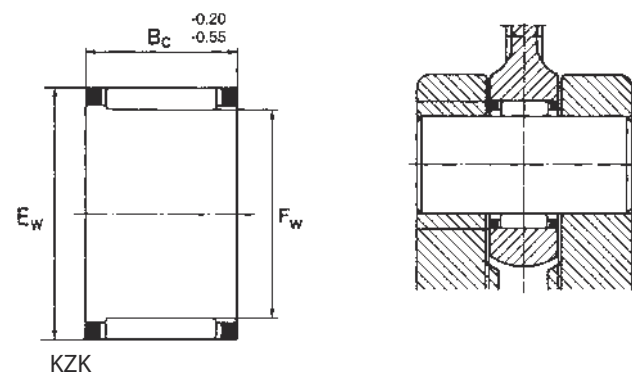
TN= Gabbia in plastica, temperatura d'esercizio ammissibile: 80°C (per funzionamento continuo).
TN= Plastic cage; temperature allowed: 80°C (continuous working).

In caso di lubrificazione a grasso, è ammesso un n° di giri pari al 60% dei valori riportati in tabella.
For grease lubrication number of allowed revolution is 60% of value expressed in table (see specifications for different grease).

- = Su richiesta.
- = Under request.

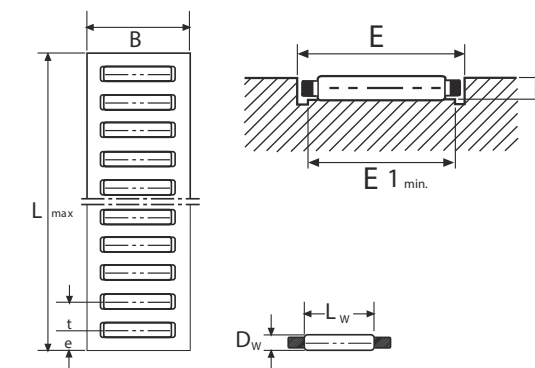
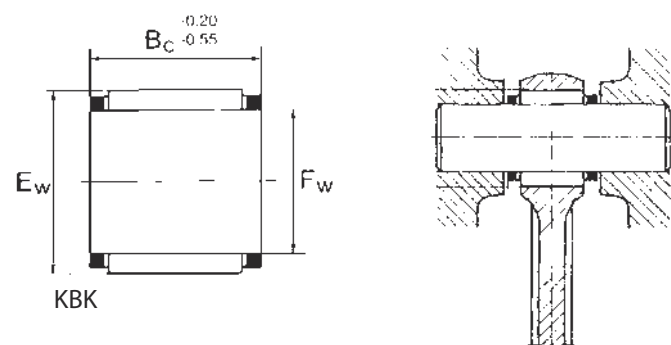


Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)	
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀
8	KZK 8x12x8	1.9	8	12	8	4 700	4 580
10	KZK 10x14x10	3.3	10	14	10	5 000	5 160
12	KZK 12x15x13	3.6	12	15	13	5 300	7 400
	KZK 12x16x10	3.5	12	16	10	6 100	6 900
	KZK 12x16x11	3.7	12	16	11	6 200	7 100
	KZK 12x17x10	5	12	17	10	7 020	7 020
14	KZK 12x18x10	7.8	12	18	10	7 400	7 200
	KZK 14x18x10	4	14	18	10	7 100	8 500
	KZK 14x19x10	5.5	14	19	10	7 300	7 600
	KZK 14x19x12	7.5	14	19	12	7 460	7 950
15	KZK 14.4x20.4x10	6.5	14.4	20.4	10	8 100	7 800
	KZK 15x19x9	5	15	19	9	6 800	7 100
	KZK 15x19x10	6	15	19	10	7 200	8 400
	KZK 15x20x10	7.5	15	20	10	7 800	9 100
16	KZK 15x21x10	8.5	15	21	10	8 400	10 500
	KZK 15x21x11	9.5	15	21	11	8 500	10 700
	KZK 15.2x22.2x12	11.5	15.2	22.2	12	8 600	11 100
	KZK 16x20x10	5.8	16	20	10	8 200	9 200
17	KZK 16x20x24	6.3	16	20	24	8 700	9 400
	KZK 16x21x10	5.8	16	21	10	8 800	9 800
	KZK 16x22x12	9.5	16	22	12	11 000	11 900
	KZK 16x22x14	11	16	22	14	13 200	13 930
18	KZK 17x21x10	6.7	17	21	10	7 600	9 000
	KZK 17x23x11	9.5	17	23	11	8 100	11 300
	KZK 18x22x10	6.9	18	22	10	7 600	9 800
	KZK 18x22x24	7.2	18	22	24	10 100	17 200
19	KZK 18x24x11.6	10	18	24	11.6	11 600	13 100
	KZK 18x24x12	10	18	24	12	11 600	13 100
	KZK 18x24x13.3	12.4	18	24	13.3	9 000	10 700
	KZK 18x24x13.5	12.4	18	24	13.5	9 000	10 700
20	KZK 18x24x15	14	18	24	15	13 200	15 500
	KZK 19x25x16	13.9	19	25	16	12 100	15 500
	KZK 19x28x14	20	19	28	14	12 100	15 000
	KZK 20x25x16	12	20	25	16	9 900	12 300
22	KZK 20x26x12	9.6	20	26	12	10 100	12 500
	KZK 20x26x14	12	20	26	14	12 600	16 700
	KZK 20x26x17	17	20	26	17	14 535	18 145
	KZK 22x28x13	15	22	28	13	13 205	16 500
22	KZK 22x28x14	16	22	28	14	12 600	16 800
	KZK 22x28x15	16.7	22	28	15	13 500	18 500



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)	
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀
22	KZK 22x28x13	15	22	28	13	13 205	16 625
	KZK 22x28x16	18	22	28	16	14 400	20 100
	KZK 22x29x15	15.2	22	29	15	17 800	21 800
	KZK 22x29x16	19	22	29	16	17 800	21 800
	KZK 22x30x16	25.7	22	30	16	18 700	22 300
23	KZK 23x29x13	12	23	29	13	10 000	11 300
	KZK 23x30x14	19.4	23	30	14	9 350	10 100
	KZK 23x30x16	22	23	30	16	9 780	11 800
23.1	KZK 23.1x28.1x14	12.9	23.1	28.1	14	10 600	15 800
24	KZK 24x30x15	17	24	30	15	11 200	13 700
	KZK 24x30x16	18	24	30	16	11 200	13 700
25	KZK 25x30x28	24	25	30	28	13 300	15 200
	KZK 25x31x12	16	25	31	12	8 700	8 800
	KZK 25x31x17	23	25	31	17	9 200	9 750
	KZK 25x31x20	26	25	31	20	9 700	10 600
	KZK 25x32x16	22.7	25	32	16	18 200	23 100
25.1	KZK 25.1x30.1x14	14.1	25.1	30.1	14	13 700	19 000
26	KZK 26x34x16	25	26	34	16	11 700	17 500
28	KZK 28x33x14	15.7	28	33	14	13 200	21 900
	KZK 28x34x14	20	28	34	14	16 500	20 700
	KZK 28x35x15	25	28	35	15	18 000	22 000
	KZK 28x35x16	27	28	35	16	18 900	23 000
	KZK 28x36x16	29.1	28	36	16	19 500	27 000
	KZK 28x38x13.6	40	28	38	13.6	17 300	20 300
30	KZK 30x36x16	28.5	30	36	16	18 900	22 800
	KZK 30x37x16	29	30	37	16	21 500	30 500
	KZK 30x38x16	34.4	30	38	16	22 700	32 600
	KZK 30x38x18	38.8	30	38	18	26 200	39 600
32	KZK 32x40x22	50	32	40	22	27 800	39 300
	KZK 32x42x20	54	32	42	20	29 000	41 000
35	KZK 35x42x20	40	35	42	20	26 000	40 500
38	KZK 38x46x20	50	38	46	20	31 100	43 000
	KZK 40x48x17	50	40	48	17	29 000	39 000
40	KZK 40x48x20	54	40	48	20	32 500	51 000

Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)	
			F _w	E _w	B _c	Dinamico C Dynamic C	Statico C ₀ Static C ₀
	KBK 8x11x10	1.85	8	11	10	3 500	4 000
9	KBK 8x12x10	2	8	12	10	3 700	4 100
	KBK 9x12x11.5	2.4	9	12	11.5	4 200	4 800
	KBK 9x12x13	2.75	9	12	13	4 600	5 800
	KBK 9x12x14	3.5	9	12	14	4 700	5 900
	KBK 9x13x12	4.1	9	13	12	5 300	5 700
	KBK 9x13x12.5	4.9	9	13	12.5	5 300	5 700
10	KBK 9x13x13	5.1	9	13	13	5 350	5 600
	KBK 10x13x8	2	10	13	8	4 000	5 000
	KBK 10x13x10	2.4	10	13	10	4 200	5 200
	KBK 10x13x14.5	5.1	10	13	14.5	5 400	6 600
	KBK 10x13x16	5.7	10	13	16	6 800	7 700
	KBK 10x14x10	3.4	10	14	10	4 400	4 600
	KBK 10x14x11	4	10	14	11	5 200	5 700
	KBK 10x14x12	4.5	10	14	12	5 400	6 000
	KBK 10x14x12.5	4.85	10	14	12.5	5 600	6 200
	KBK 10x14x13	5.4	10	14	13	5 600	6 200
11	KBK 11x15x17	5	11	15	17	5 200	7 000
12	KBK 12x15x13	4.6	12	15	13	5 500	7 300
	KBK 12x15x14.3	5.4	12	15	14.3	5 800	7 700
	KBK 12x15x15	5.6	12	15	15	5 900	7 800
	KBK 12x15x16.6	6.2	12	15	16.6	6 800	9 900
	KBK 12x15x17	6.3	12	15	17	7 000	10 000
	KBK 12x15x17.5	6.5	12	15	17.5	7 000	10 000
	KBK 12x16x13	6.7	12	16	13	6 300	7 600
	KBK 12x16x15	7.9	12	16	15	7 500	9 000
	KBK 12x16x15.5	8.3	12	16	15.5	7 600	10 000
	KBK 12x16x16	8.5	12	16	16	7 800	9 300
	KBK 12x16x17	9.2	12	16	17	7 900	9 400
	KBK 12x17x14	8	12	17	14	8 000	9 500
	KBK 12x17x14.3	8.4	12	17	14.3	8 000	9 500
	KBK 12x17x14.8	8.8	12	17	14.8	8 300	9 800
13	KBK 13x17x14.5	7.1	13	17	14.5	8 300	10 200
	KBK 13x17x17.5	8.6	13	17	17.5	9 500	12 100
14	KBK 14x18x10	4.6	14	18	10	6 260	7 400
	KBK 14x18x12	6.6	14	18	12	6 380	7 570
	KBK 14x18x13	7.6	14	18	13	7 300	8 700
	KBK 14x18x14	6.33	14	18	14	7 400	8 800
	KBK 14x18x14.5	8	14	18	14.5	7 400	8 800
	KBK 14x18x15	8.3	14	18	15	7 600	8 990



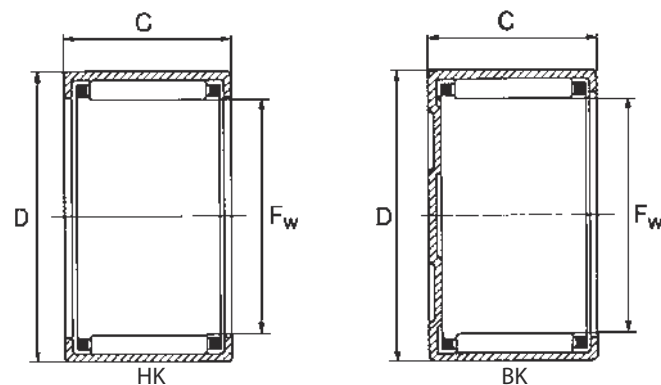
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)	
			Fw	Ew	Bc	Dinamico C Dynamic C	Statico Co Static Co
14	KBK 14x18x16.5	9.6	14	18	16.5	8 800	9 700
	KBK 14x18x17	10.1	14	18	17	9 120	11 780
	KBK 14x18x20	12	14	18	20	9 000	10 100
	KBK 14x18x21	13	14	18	21	11 875	16 530
	KBK 14x18x22	14	14	18	22	11 100	13 100
	KBK 14x19x17	10.3	14	19	17	11 100	13 100
15	KBK 15x19x10	5	15	19	10	6 500	8 600
	KBK 15x19x18	11	15	19	18	9 900	11 300
	KBK 15x19x19	12	15	19	19	10 100	12 800
	KBK 15x19x20	12.9	15	19	20	11 300	15 500
16	KBK 15x20x24	18.6	15	20	24	14 100	20 000
	KBK 16x20x19	12	16	20	19	11 700	16 800
	KBK 16x20x20	13.4	16	20	20	12 900	17 600
	KBK 16x20x21	14	16	20	21	12 900	17 600
	KBK 16x20x22	15	16	20	22	13 000	18 700
17.5	KBK 16x21x19	16	16	21	19	13 000	18 700
	KBK 17.5x22x16	9.3	17.5	22	16	11 000	16 300
	KBK 18x22x22	16.9	18	22	22	12 825	19 665
	KBK 18x22x23.5	18	18	22	23.5	11 900	19 000
	KBK 18x22x24	18.4	18	22	24	13 395	20 900
18	KBK 18x22x25	19.1	18	22	25	12 700	20 100
	KBK 18x23x21	18	18	23	21	9 900	10 100
	KBK 18x23x23	20	18	23	23	10 500	12 000
	KBK 18x24x20	20	18	24	20	20 000	25 000
	KBK 20x24x30	22.1	20	24	30	14 900	25 500
20	KBK 20x25x22	19.5	20	25	22	15 200	22 300
	KBK 20x25x25	23	20	25	25	17 100	24 000

Sigla Designation	Dimensioni (mm) Dimensions (mm)							*Coefficienti di carico (N) Basic Load Ratings (N)		Dimensioni di montaggio (mm) Mounting dimensions (mm)		
	B	Lmax	Dw	t	e	Lw	Peso (g) 1) Weight (g) 1)	Dinamico Co Dynamic C	Statico Co Static Co	E	E1min	H
GLP 3020	20	2000	3	6	4.5	15.8	684	39 500	102 000	20.4 ^{+0.2}	16	2.7
GLP 5015	15	2000	5	8	5.5	11.8	750	60 000	123 000	15.3 ^{+0.2}	12	4.6
GLP 5023	23	2000	5	8	5.5	19.8	1 060	91 000	211 000	23.4 ^{+0.2}	20	4.6
GLP 5032	32	2000	5	8	5.5	27.8	1 444	119 000	300 000	32.5 ^{+0.3}	28	4.6
GLP 7028	28	2000	7	11	7.5	24	1 750	165 000	365 000	28.4 ^{+0.2}	24	6.5
GLP 7035	35	2000	7	11	7.5	30	2 160	197 000	455 000	35.6 ^{+0.3}	30	6.5
GLP 12022	22	2000	12	16	10	18	2 440	260 000	460 000	22.4 ^{+0.2}	18	11
GLP 12040	40	2000	12	16	10	36	3 940	455 000	930 000	40.5 ^{+0.2}	36	11

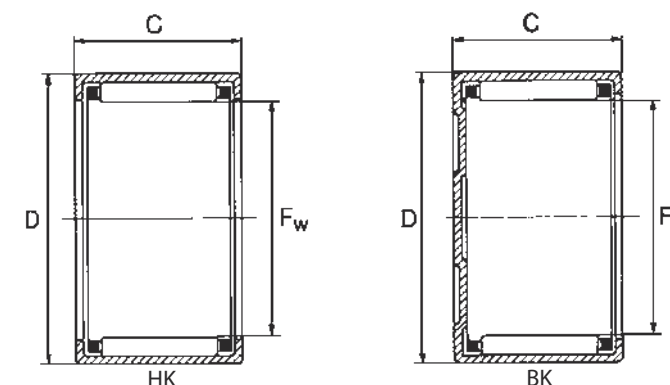
* I carichi si riferiscono ad una lunghezza di gabbia relativa a 10 corpi volventi.
 Loads refer to the cage length of ten rolling elements

1) Peso per L_{max} = 2000 mm

1) Weight for L_{max} = 2000 mm



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic Load Ratings (N)		
	Astucci a rullini aperti Open end	Peso (g) Weight (g)	Astucci a rullini con fondello Closed end	Peso (g) Weight (g)	Fw	D	C	Dinamico C Dynamic C	Statico Co Static Co	Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
3	HK 0306 TN	1	BK 0306 TN	1	3	6.5	6	1 170	800	43 700
4	HK 0408 TN	1.6	BK 0408 TN	1.8	4	8	8	1 690	1 240	39 000
5	HK 0509	2	BK 0509	2.1	5	9	9	2 280	1 890	36 000
6	HK 0606	1.8	-	-	6	10	6	2 100	1 700	34 500
	HK 0608	2.1	BK 0608	2.2	6	10	8	1 900	1 570	33 200
	HK 0609	2.2	BK 0609	2.6	6	10	9	2 700	2 470	33 200
7	HK 0709	2.3	BK 0709	2.9	7	11	9	2 950	2 800	29 400
8	HK 0808	2.7	BK 0808	3	8	12	8	2 600	2 470	26 600
	HK 0810	3	BK 0810	3.4	8	12	10	3 600	3 750	26 600
9	HK 0908	3	BK 0908	3.4	9	13	8	3 370	3 560	23 700
	HK 0910	4	BK 0910	4.3	9	13	10	4 050	4 400	23 700
	HK 0912	4.6	BK 0912	4.9	9	13	12	5 040	6 000	23 700
10	HK 1010	4.1	BK 1010	4.3	10	14	10	4 180	4 850	21 850
	HK 1012	4.8	BK 1012	5	10	14	12	5 200	6 450	21 850
	HK 1015	6	BK 1015	6.2	10	14	15	6 450	8 350	21 850
12	HK 1210	4.6	BK 1210	5.2	12	16	10	4 700	5 900	19 000
	HK 1212	9	BK 1212	10	12	18	12	6 150	6 900	18 000
13	HK 1311	8.5	-	-	13	19	11	6 300	6 300	14 000
	HK 1312	8.9	BK 1312	11.2	13	19	12	6 450	7 500	17 000
14	HK 1412	10.5	BK 1412	12	14	20	12	6 800	8 000	15 200
15	HK 1512	11.1	BK 1512	12.7	15	21	12	7 500	8 950	15 200
	HK 1516	15	BK 1516	16.5	15	21	16	9 950	13 700	15 200
	HK 1522 - ZW	20.4	BK 1522	22	15	21	22	12 700	18 500	15 200
16	HK 1612	11.7	BK 1612	13.8	16	22	12	7 200	9 200	14 200
	HK 1616	15.8	BK 1616	17.6	16	22	16	10 300	14 500	14 200
	HK 1622 - ZW	21.7	BK 1622	23.4	16	22	22	12 450	18 400	14 200
17	HK 1712	12.2	BK 1712	14.5	17	23	12	7 500	9 750	13 300
	HK 1718	19	-	-	17	23	18	9 500	10 600	10 000
18	HK 1812	13.1	BK 1812	14.9	18	24	12	7 700	10 350	12 350
	HK 1816	17.5	BK 1816	19.9	18	24	16	11 000	16 400	12 350
20	HK 2010	11.8	BK 2010	14	20	26	10	6 100	7 800	11 400
	HK 2012	14.1	BK 2012	16.7	20	26	12	8 200	11 500	11 400
	HK 2016	19.3	BK 2016	22.3	20	26	16	12 000	19 100	11 400
	HK 2020	24.1	BK 2020	27.1	20	26	20	14 900	24 700	11 400
	HK 2030 - ZW	34.7	BK 2030	37.4	20	26	30	20 700	38 000	11 400



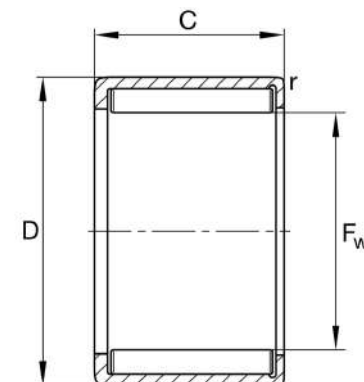
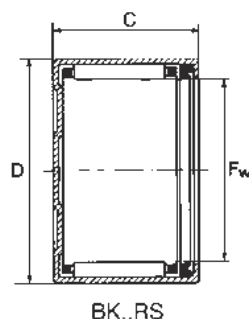
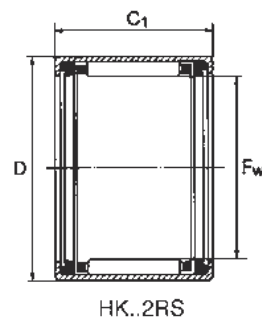
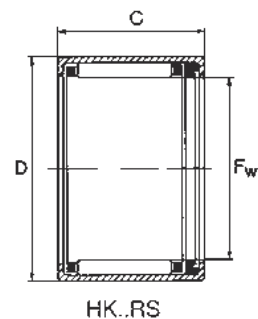
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic Load Ratings (N)		
	Astucci a rullini aperti Open end	Peso (g) Weight (g)	Astucci a rullini con fondello Closed end	Peso (g) Weight (g)	Fw	D	C	Dinamico C Dynamic C	Statico Co Static Co	Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
22	HK 2210	12.3	-	-	22	28	10	7 100	9 950	10 450
	HK 2212	15	BK 2212	18.1	22	28	12	8 650	12 700	10 450
	HK 2216	20.9	BK 2216	24.3	22	28	16	12 700	21 000	10 450
	HK 2220	26.2	BK 2220	29.9	22	28	20	15 650	27 550	10 450
	HK 223218	21.9	-	-	22	32	18	19 800	34 000	9 000
25	HK 2512	20	BK 2512	23.2	25	32	12	10 450	14 450	9 500
	HK 2516	27.3	BK 2516	31	25	32	16	14 800	22 800	9 500
	HK 2520	34.1	BK 2520	38.7	25	32	20	18 900	31 350	9 500
	HK 2524	-	-	-	25	32	24	-	-	-
	HK 2526	44.8	BK 2526	49	25	32	26	24 200	42 750	9 500
28	HK 2538 - ZW	64.7	BK 2538	69	25	32	38	32 300	62 700	9 500
28	HK 2816	30.1	BK 2816	34.1	28	35	16	15 600	25 200	8 550
	HK 2820	37.6	BK 2820	43	28	35	20	19 850	34 200	8 550
30	HK 3012	24	BK 3012	27.9	30	37	12	11 500	17 300	8 100
	HK 3016	32	BK 3016	37.1	30	37	16	16 350	27 550	8 100
	HK 3020	40.1	BK 3020	46.5	30	37	20	20 900	37 500	8 100
	HK 3022	42	-	-	30	37	22	24 500	45 000	8 100
	HK 3026	52.9	BK 3026	59.4	30	37	26	26 600	51 300	8 100
32	HK 3038 - ZW	76.1	BK 3038	82.5	30	37	38	35 600	75 000	8 100
32	HK 3220	40.6	-	-	32	39	20	22 500	42 000	7 300
	HK 3224	50.7	-	-	32	39	24	25 500	52 000	7 300
35	HK 3512	27.7	BK 3512	32.9	35	42	12	12 450	20 250	7 150
	HK 3516	36.9	BK 3516	43.8	35	42	16	17 750	31 850	6 200
	HK 3520	46.1	BK 3520	54.8	35	42	20	22 600	43 700	6 150
40	HK 4012	31.1	BK 4012	38.2	40	47	12	13 300	23 100	6 200
	HK 4016	41.4	BK 4016	51	40	47	16	19 000	36 600	6 200
	HK 4020	51.8	BK 4020	62	40	47	20	24 250	49 400	6 200
45	HK 4512	34.8	BK 4512	45	45	52	12	14 150	26 150	5 700
	HK 4516	46.2	BK 4516	56	45	52	16	20 250	40 850	5 700
	HK 4520	56	BK 4520	72	45	52	20	25 650	56 050	5 700
	HK 4538	135	-	-	45	55	38	27 600	61 000	5 300
50	HK 5012	44.2	-	-	50	58	12	23 600	57 200	5 300
	HK 5020	72	BK 5020	87.3	50	58	20	29 450	59 850	4 750
	HK 5025	90.1	BK 5025	109	50	58	25	36 550	79 800	4 750
	HK 5038	140	-	-	50	60	38	27 770	63 100	4 600
55	HK 5520	78	BK 5520	93.8	55	63	20	29 950	63 650	4 450
	HK 5528	111	BK 5528	132	55	63	28	41 800	97 850	4 080
60	HK 6012	49.2	BK 6012	77	60	68	12	16 550	30 400	4 180
	HK 6020	86	BK 6020	105	60	68	20	31 800	71 250	4 180
	HK 6032	136	BK 6032	164	60	68	32	50 350	128 250	4 180

ZW = A due corone, con foro di lubrificazione. / Double rows, with lubrication hole.

In caso di lubrificazione a grasso, è ammesso un n° di giri pari al 60% dei valori riportati in tabella.

For grease lubrication number of allowed revolution is 60% of value expressed in table (see specifications for different grease)

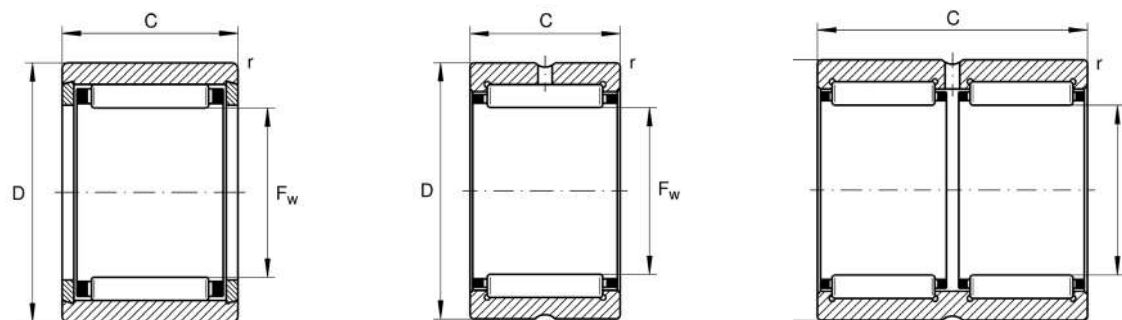
- SCARICA IL NOSTRO CATALOGO



Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation						Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)			Velocità limite Limiting speed
	Astucci a rullini con tenuta ad un lato Open end sealed on one side	Peso Weight (g)	Astucci a rullini con tenuta da entrambi i lati Open end sealed on both side	Peso Weight (g)	Astucci a rullini con fondello e con tenuta Closed end sealed on one side	Peso Weight (g)	Fw	D	C	C1	Dinamico C Dynamic C	Statico C0 Static C0	Grasso (N. giri max) Grease (max rpm)	
8	-	-	HK 0810 2RS	-	-	-	8	12	-	10	-	-	-	
	HK 0810 RS	2.9	HK 0812 2RS	3.5	-	-	8	12	10	12	2 600	2 470	19 000	
	HK 0812 RS	3.1	-	-	-	-	8	12	12	-	3 500	3 400	19 000	
10	-	-	HK 1012 2RS	4.3	-	-	10	14	-	12	-	-	-	
	HK 1012 RS	4.2	HK 1014 2RS	5.2	-	-	10	14	12	14	4 180	4 850	16 150	
12	-	-	HK 1214 2RS	8	-	-	12	16	-	14	-	-	-	
	HK 1214 RS	10.7	HK 1216 2RS	11.5	-	-	12	18	14	16	6 150	6 900	13 300	
14	HK 1414 RS	12	HK 1416 2RS	14	BK 1414 RS	14.1	14	20	14	16	6 750	8 050	11 400	
15	HK 1514 RS	12.6	HK 1516 2RS	14.3	BK 1514 RS	14.4	15	21	14	16	7 400	9 300	10 450	
	HK 1518 RS	16	HK 1520 2RS	18	-	-	15	21	18	20	9 950	13 680	10 450	
16	HK 1614 RS	-	HK 1614 2RS	-	-	-	16	22	14	-	-	-	-	
	-	15.1	HK 1616 2RS	15.1	BK 1614 RS	15.3	16	22	14	16	7 200	9 200	10 450	
	-	-	HK 1620 2RS	16.8	-	-	16	22	-	20	10 355	14 500	10 450	
18	HK 1814 RS	15.1	HK 1816 2RS	17	-	-	18	24	14	16	7 700	10 350	9 000	
20	-	-	HK 2016 2RS	18.8	-	-	20	26	-	16	8 150	11 500	8 100	
	HK 2018 RS	21.4	HK 2020 2RS	23.5	BK 2018 RS	24.4	20	26	18	20	12 050	19 050	8 100	
22	HK 2214 RS	18.3	HK 2216 2RS	20.3	-	-	22	28	14	16	8 650	12 750	7 600	
	HK 2218 RS	23.5	HK 2220 2RS	25.5	-	-	22	28	18	20	12 750	21 000	7 600	
25	-	-	HK 2516 2RS	27.3	-	-	25	32	-	16	10 450	14 450	6 650	
	HK 2518 RS	31	HK 2520 2RS	33.1	BK 2518 RS	35.3	25	32	18	20	14 800	22 800	6 650	
	-	-	HK 2524 2RS	39.7	-	-	25	32	-	24	18 900	31 350	6 650	
28	-	-	HK 2530 2RS	47.3	-	-	25	32	-	30	24 200	42 750	6 650	
	HK 2818 RS	-	HK 2820 2RS	36.9	-	-	28	35	18	20	15 580	25 150	5 700	
30	HK 3012 RS	-	HK 3016 2RS	28.5	-	-	30	37	12	16	11 500	17 300	5 700	
	HK 3018 RS	36.6	HK 3020 2RS	39.1	-	-	30	37	18	20	16 350	27 550	5 700	
	-	-	HK 3024 2RS	49.7	-	-	30	37	-	24	20 900	37 500	5 700	
35	-	-	HK 3516 2RS	36.4	-	-	35	42	-	16	12 450	20 200	4 750	
	HK 3518 RS	37.4	HK 3520 2RS	41.1	-	-	35	42	18	20	17 750	31 800	4 750	
	-	-	HK 4016 2RS	41.2	-	-	40	47	-	16	13 300	23 050	4 250	
40	HK 4018 RS	47.3	HK 4020 2RS	50.2	-	-	40	47	18	20	19 000	36 550	4 250	
45	HK 4518 RS	54.2	HK 4520 2RS	57.4	-	-	45	52	18	20	20 250	40 850	3 800	
50	HK 5022 RS	77.2	HK 5024 2RS	84	-	-	50	58	22	24	29 450	59 850	3 450	

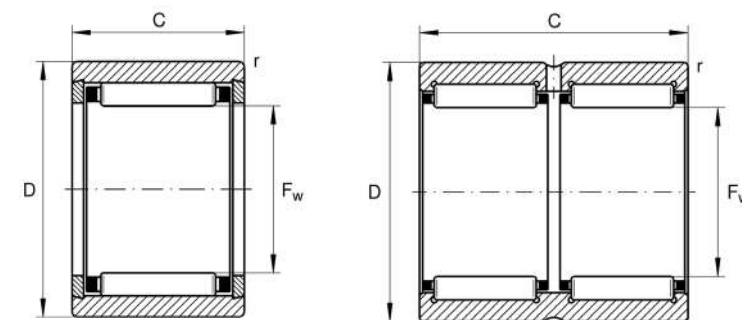
Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico N Basic load rating N		Carico limite di fatica Limiting fatigue load C _{ur} N	Velocità di rotazione limite Limiting rotation speed n _g grasso / n _g grease min ⁻¹	Velocità di rotazione di riferimento Reference rotation speed n _B min ⁻¹
		Fw	D	C	r min.	Dinamico Dynamic C _r	Statico Static C _{0r}			
HN1010	4.6	10	14	10	0.4	7 200	11 100	1 540	10 000	13 300
HN1210	5.3	12	16	10	0.4	8 000	13 400	1 850	8 600	11 300
HN1212	10.5	12	18	12	0.8	10 200	15 200	1 950	8 000	10 800
HN1412	12	14	20	12	0.8	11 000	17 500	2 260	7 100	9 500
HN1516	14	15	21	16	0.8	15 400	27 500	3 600	6 700	8 700
HN1612	13	16	22	12	0.8	12 000	20 300	2 600	6 300	8 400
HN1816	20	18	24	16	0.8	17 000	32 500	4 250	5 700	7 500
HN2016	22	20	26	16	0.8	18 100	36 500	4 750	5 200	6 800
HN2020	29.5	20	26	20	0.8	22 400	48 000	6 600	5 200	6 700
HN2520	39.6	25	32	20	0.8	28 000	59 000	7 900	4 200	5 500
HN2820	44	28	35	20	0.8	30 000	67 000	9 000	3 800	4 950
HN3520	54	35	42	20	0.8	33 500	83 000	11 100	3 100	4 100
HN4020	60.5	40	47	20	0.8	36 000	95 000	12 700	2 750	3 650
HN4520	66	45	52	20	0.8	38 500	108 000	14 500	2 470	3 300
HN4525	85	45	52	25	0.8	47 000	139 000	19 500	2 470	3 250
HN5020	85.3	50	58	20	0.8	44 500	119 000	16 200	2 220	3 000
HN5025	107	50	58	25	0.8	54 000	152 000	21 700	2 220	2 950

Gli astucci a rullini a pieno riempimento possono essere disponibili anche in altre misure solo su richiesta specifica.
 Drawn cup needle roller bearings full complement can be manufactured in other sizes, but only under specific request

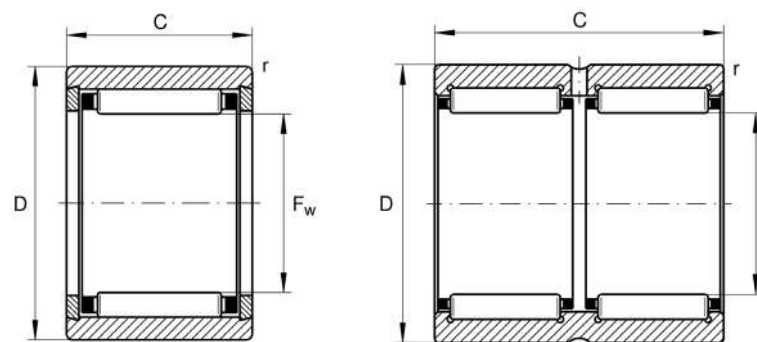


Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Oil (N. giri max) Oil (max rpm)
	NK	NKS	RNA49/48	RNA69		Fw	D	C	Dinamico C Dynamic C	Statico C _o Static C _o	
5	• NK 5/10 TN	-	-	-	2.9	5	10	10	2 230	1 820	35 150
	• NK 5/12 TN	-	-	-	3.7	5	10	12	2 850	2 520	35 150
6	• NK 6/10 TN	-	-	-	4.7	6	12	10	2 470	2 170	31 350
	• NK 6/12 TN	-	-	-	5.7	6	12	12	3 180	2 990	31 350
7	• NK 7/10 TN	-	-	-	6.9	7	14	10	2 710	2 520	29 450
	• NK 7/12 TN	-	-	-	8.2	7	14	12	3 470	3 420	29 450
8	• NK 8/12 TN	-	-	-	8.3	8	15	12	3 750	3 900	27 550
	• NK 8/16 TN	-	-	-	12	8	15	16	4 850	5 500	27 550
9	-	• NKS 8 TN	-	-	11	8	16	13	4 750	4 465	27 000
	NK 9/12 TN	-	-	-	10.3	9	16	12	4 280	4 750	26 600
10	NK 9/16 TN	-	-	-	12.8	9	16	16	5 600	6 750	26 600
	NK 10/12 TN	-	-	-	10	10	17	12	4 550	5 230	25 650
12	NK 10/16 TN	-	-	-	13.3	10	17	16	5 890	7 400	25 650
	-	• NKS 10 TN	-	-	15	10	19	13	5 500	5 700	24 000
14	NK 12/12	-	-	-	11.8	12	19	12	6 080	6 750	23 750
	NK 12/16	-	-	-	16.8	12	19	16	8 550	10 450	23 750
15	-	• NKS 12 TN	-	-	23	12	22	16	9 100	9 850	22 000
	NK 14/16	-	-	-	20.8	14	22	16	9 600	10 900	22 800
16	NK 14/20	-	-	-	25.5	14	22	20	12 160	14 820	23 000
	-	NKS 14	-	-	27	14	25	16	13 600	13 000	21 850
17	-	-	RNA 4900	-	24.4	14	22	13	8 060	9 000	23 750
	-	-	-	RNA 6900	29.1	14	22	22	8 281	11 612	18 322
18	NK 15/12	-	-	-	18.5	15	23	12	8 600	10 070	21 004
	NK 15/16	-	-	-	21.8	15	23	16	10 200	12 065	21 850
19	NK 15/20	-	-	-	26.6	15	23	20	12 820	16 530	21 850
	-	NKS 15	-	-	30	15	26	16	13 800	13 400	21 000
20	NK 16/16	-	-	-	20.8	16	24	16	10 700	13 200	20 900
	NK 16/20	-	-	-	23.9	16	24	20	13 680	17 860	20 900
21	-	-	RNA 4901	-	16.6	16	24	13	8 930	10 350	22 800
	-	-	-	RNA 6901	28.7	16	24	22	15 200	20 500	20 900
22	-	NKS 16	-	-	30	16	28	16	14 900	15 000	20 000
	NK 17/16	-	-	-	21.5	17	25	16	11 300	14 250	17 100
23	NK 17/20	-	-	-	29.8	17	25	20	14 350	19 380	20 900
	NK 18/16	-	-	-	24.9	18	26	16	11 850	15 390	19 950
24	NK 18/20	-	-	-	30.5	18	26	20	15 000	20 900	19 950
	-	NKS 18	-	-	37.9	18	30	16	16 100	17 000	18 000
25	NK 19/16	-	-	-	26.1	19	27	16	12 350	16 530	19 950
	NK 19/20	-	-	-	32.2	19	27	20	15 700	22 400	19 950
26	NK 20/16	-	-	-	25.7	20	28	16	12 350	16 600	19 000
	NK 20/20	-	-	-	29.3	20	28	20	15 600	22 600	19 000
27	-	NKS 20	-	-	46.8	20	32	20	21 850	23 750	18 000
	-	-	RNA 4902	-	20.5	20	28	13	10 800	12 800	20 900
28	-	-	-	RNA 6902	35.4	20	28	23	16 400	24 200	19 000

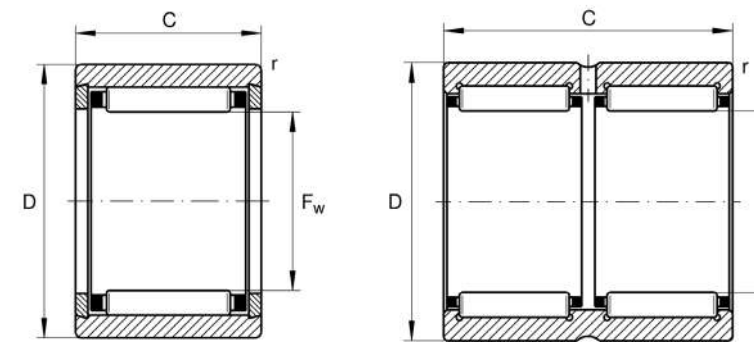
• Con anelli di chiusura senza foro e gola di lubrificazione
• Whit closing rings, without lubrication hole and groove



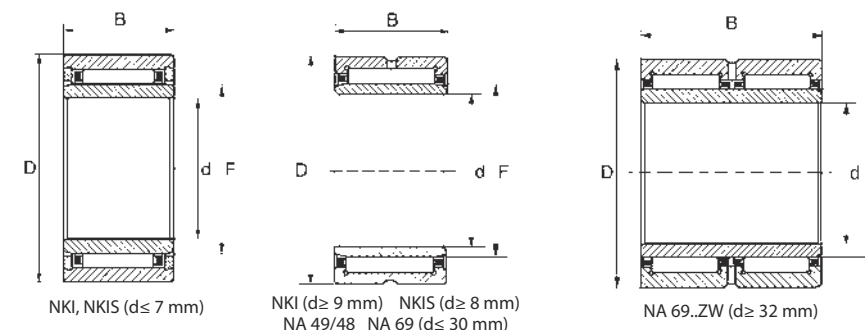
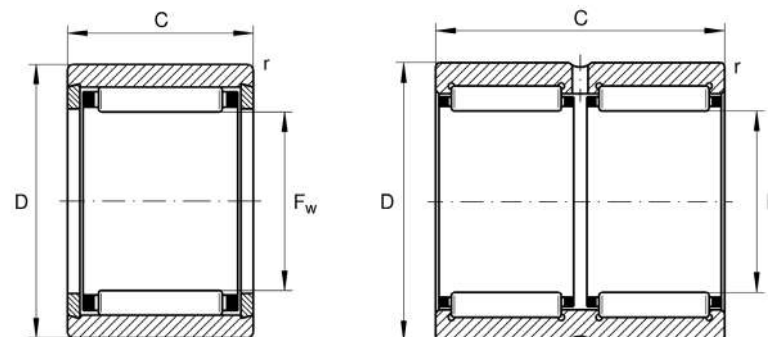
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Oil (N. giri max) Oil (max rpm)
	NK	NKS	RNA49/48	RNA69		Fw	D	C	Dinamico C Dynamic C	Statico C _o Static C _o	
21	NK 21/16	-	-	-	28.1	21	29	16	12 800	17 750	19 000
	NK 21/20	-	-	-	35.2	21	29	20	16 250	24 220	19 000
22	NK 22/16	-	-	-	29.2	22	30	16	13 300	18 900	18 000
	NK 22/20	-	-	-	37	22	30	20	16 800	25 650	18 000
23	-	NKS 22	-	-	60.2	22	35	20	23 275	26 600	17 000
	-	-	RNA 4903	-	20.7	22	30	13	10 450	13 870	19 950
24	-	-	-	RNA 6903	39.8	22	30	23	17 650	27 550	18 000
	NK 24/16	-	-	-	31.9	24	32	16	14 250	21 200	17 000
25	NK 24/20	-	-	-	40	24	32	20	18 050	29 000	17 000
	-	NKS 24	-	-	65.5	24	37	20	25 500	30 400	15 200
26	NK 25/16	-	-	-	30	25	33	16	14 150	21 280	16 150
	NK 25/20	-	-	-	38.4	25	33	20	17 860	29 000	16 150
27	-	-	RNA 4904	-	50.8	25	37	17	19 950	24 200	16 150
	-	-	-	RNA 6904	97.7	25	37	30	34 200	48 450	15 200
28	-	NKS 25	-	-	65	25	38	20	26 100	31 800	15 200
	NK 26/16	-	-	-	30	26	34	16	14 550	22 400	15 200
29	NK 26/20	-	-	-	40	26	34	20	18 450	30 400	15 200
	NK 28/20	-	-	-	52.2	28	37	20	20 900	32 300	14 250
30	NK 28/30	-	-	-	82	28	37	30	31 350	54 150	14 250
	-	NKS 28	-	-	80	28	42	20	27 100	34 650	13 300
31	-	-	RNA 49/22	-	50.2	28	39	17	21 660	28 000	15 200
	-	-	-	RNA 69/22	98	28	39	30	37 000	54 500	13 000
32	NK 29/20	-	-	-	53.7	29	38	20	20 800	32 300	14 250
	NK 29/30	-	-	-	84.3	29	38	30	30 900	54 150	14 250
33	NK 30/20	-	-	-	57.9	30	40	20	21 470	34 200	13 300
	NK 30/30	-	-	-	95	30	40	30	31 800	57 000	13 300
34	-	NKS 30	-	-	104	30	45	22	31 500	39 500	11 000
	-	-	RNA 4905	-	57	30	42	17	22 420	29 900	14 250
35	-	-	-	RNA 6905	106.5	30	42	30	37 000	56 000	13 300
	NK 32/20	-	-	-	75.4	32	42	20	21 950	35 600	12 350
36	NK 32/30	-	-	-	102	32	42	30	34 000	62 500	12 350
	-	NKS 32	-	-	100	32	47	22	31 800	41 300	11 400
37	-	-	RNA 49/28	-	80	32	45	17	23 180	31 800	12 350
	-	-	-	RNA 69/28	125	32	45	30	39 500	61 300	13 000
38	NK 35/20	-	-	-	70	35	45	20	23 000	39 400	11 400
	NK 35/30	-	-	-	112	35	45	30	36 000	68 500	11 400
39	-	NKS 35	-	-	118	35	50	22	34 500	46 500	10 000
	-	-	RNA 4906	-	62.8	35	47	17	23 750	33 700	12 350
40	-	-	-	RNA 6906	116	35	47	30	41 300	67 450	11 400
	NK 37/20	-	-	-	77	37	47	20	24 300	43 000	11 400
41	NK 37/30	-	-	-	113	37	47	30	36 300	72 500	11 400
	-	NKS 37	-	-	123	37	52	22	34 700	47 500	10 450



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Oil (max rpm)
	NK	NKS	RNA49/48	RNA69		Fw	D	C	Dinamico C Dynamic C	Statico C Static C	
38	NK 38/20	-	-	-	79.4	38	48	20	25 000	44 500	10 450
	NK 38/30	-	-	-	116	38	48	30	37 000	75 000	10 450
40	NK 40/20	-	-	-	78.9	40	50	20	24 700	44 650	10 450
	NK 40/30	-	-	-	120	40	50	30	37 000	75 000	10 450
	-	NKS 40	-	-	129	40	55	22	37 200	53 500	8 500
	-	-	RNA 49/32	-	89.1	40	52	20	30 000	46 800	10 500
	-	-	-	RNA 69/32 - ZW	147	40	52	36	44 650	77 900	10 450
42	NK 42/20	-	-	-	83	42	52	20	25 200	46 550	9 500
	NK 42/30	-	-	-	125	42	52	30	37 500	77 900	9 500
	-	-	RNA 4907	-	99.3	42	55	20	29 900	47 500	10 450
	-	-	-	RNA 6907 - ZW	193	42	55	36	45 600	81 700	9 500
43	NK 43/20	-	-	-	84	43	53	20	25 700	49 000	9 500
	NK 43/30	-	-	-	126	43	53	30	38 500	80 750	9 500
	-	NKS 43	-	-	139	43	58	22	37 000	54 150	9 000
45	NK 45/20	-	-	-	91	45	55	20	26 100	50 350	9 500
	NK 45/30	-	-	-	139	45	55	30	40 000	87 000	9 500
	-	NKS 45	-	-	145	45	60	22	38 500	57 000	9 000
47	NK 47/20	-	-	-	94.5	47	57	20	28 000	55 000	9 000
	NK 47/30	-	-	-	142	47	57	30	42 500	93 500	9 000
48	-	-	RNA 4908	-	132	48	62	22	40 850	63 650	9 000
	-	-	-	RNA 6908 - ZW	255	48	62	40	64 000	112 000	8 120
50	NK 50/25	-	-	-	167	50	62	25	36 100	70 300	8 550
	NK 50/35	-	-	-	236	50	62	35	47 500	100 700	8 550
	-	NKS 50	-	-	157	50	65	22	41 800	66 500	7 000
52	-	-	RNA 4909	-	182	52	68	22	42 750	69 350	8 100
	-	-	-	RNA 6909 - ZW	338	52	68	40	65 500	120 650	7 600
55	NK 55/25	-	-	-	167	55	68	25	38 000	77 900	7 600
	NK 55/35	-	-	-	250	55	68	35	52 500	117 000	7 600
	-	NKS 55	-	-	221	55	72	22	44 000	73 000	6 000
58	-	-	RNA 4910	-	161	58	72	22	44 650	76 000	7 600
	-	-	-	RNA 6910 - ZW	296	58	72	40	69 400	132 000	7 200
60	NK 60/25	-	-	-	185	60	72	25	39 900	85 500	7 100
	NK 60/35	-	-	-	258	60	72	35	55 000	130 000	7 100
	-	NKS 60	-	-	335	60	80	28	62 500	97 500	6 000
63	-	-	RNA 4911	-	241	63	80	25	55 100	95 000	7 100
	-	-	-	RNA 6911 - ZW	470	63	80	45	85 500	167 200	6 650
65	NK 65/25	-	-	-	221	65	78	25	43 500	97 000	6 650
	NK 65/35	-	-	-	310	65	78	35	58 200	141 300	6 650
	-	NKS 65	-	-	356	65	85	28	65 800	106 700	6 100
68	NK 68/25	-	-	-	241	68	82	25	43 000	88 000	6 100
	NK 68/35	-	-	-	338	68	82	35	61 000	138 000	6 100
	-	-	RNA 4912	-	275	68	85	25	57 000	102 600	6 600
	-	-	-	RNA 6912 - ZW	488	68	85	45	89 300	181 450	6 200
70	NK 70/25	-	-	-	260	70	85	25	44 000	91 000	6 100
	NK 70/35	-	-	-	370	70	85	35	62 000	143 000	6 100
	-	NKS 70	-	-	380	70	90	28	66 500	112 000	4 500



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Oil (max rpm)
	NK	NKS	RNA49/48	RNA69		Fw	D	C	Dinamico C Dynamic C	Statico C _o Static C _o	
72	-	-	RNA 4913	-	300	72	90	25	57 500	110 500	6 100
	-	-	-	RNA 6913 - ZW	571	72	90	45	90 250	188 100	6 000
73	NK 73/25	-	-	-	302	73	90	25	51 500	99 000	5 700
	NK 73/35	-	-	-	428	73	90	35	74 000	155 000	5 700
75	NK 75/25	-	-	-	315	75	92	25	53 500	103 000	5 700
	NK 75/35	-	-	-	445	75	92	35	76 000	161 000	5 700
	-	NKS 75	-	-	402	75	95	28	70 000	122 000	5 700
80	NK 80/25	-	-	-	301	80	95	25	55 500	118 000	5 200
	NK 80/35	-	-	-	425	80	95	35	77 000	183 000	5 200
	-	NKS 80	-	-	413	80	100	28	74 500	132 000	4 000
	-	-	RNA 4914	-	460	80	100	30	79 800	148 200	5 700
	-	-	-	RNA 6914 - ZW	857	80	100	54	121 000	263 000	5 130
85	NK 85/25	-	-	-	425	85	105	25	68 000	122 000	4 750
	NK 85/35	-	-	-	600	85	105	35	97 000	192 000	4 750
	-	-	RNA 4915	-	472	85	105	30	82 000	158 000	5 130
	-	-	-	RNA 6915 - ZW	923	85	105	54	128 000	272 000	5 130
90	NK 90/25	-	-	-	450	90	110	25	70 500	130 000	4 600
	NK 90/35	-	-	-	630	90	110	35	102 000	205 500	4 600
	-	-	RNA 4916	-	516	90	110	30	84 550	170 500	4 927
	-	-	-	RNA 6916 - ZW	978	90	110	54	128 250	285 000	4 650
95	NK 95/26	-	-	-	490	95	115	26	71 000	136 000	4 450
	NK 95/36	-	-	-	680	95	115	36	105 000	221 000	4 450
100	NK 100/26	-	-	-	515	100	120	26	75 000	145 000	4 200
	NK 100/36	-	-	-	715	100	120	36	110 000	236 000	4 200
	-	-	RNA 4917	-	657	100	120	35	105 450	225 150	4 600
	-	-	-	RNA 6917 - ZW	1 200	100	120	63	157 700	380 000	4 300
105	NK 105/26	-	-	-	540	105	125	26	76 500	153 000	4 085
	NK 105/36	-	-	-	713	105	125	36	112 000	248 000	4 085
	-	-	RNA 4918	-	745	105	125	35	108 300	237 500	4 370
	-	-	-	RNA 6918 - ZW	1 330	105	125	63	165 000	403 750	4 100
110	NK 110/30	-	-	-	650	110	130	30	96 000	209 000	3 900
	NK 110/40	-	-	-	830	110	130	40	125 000	287 000	3 900
	-	-	RNA 4919	-	719	110	130	35	112 000	245 000	4 180
	-	-	-	RNA 6919 - ZW	1 460	110	130	63	196 000	418 000	3 900
115	-	NKS 115	-	-	700	115	135	32	90 000	202 000	3 705
	-	-	RNA 4920	-	1 006	115	140	40	120 000	264 000	3 895
120	NK 120/40	-	-	-	910	120	140	40	112 000	274 000	3 600
	-	-	RNA 4822	-	670	120	140	30	93 000	215 000	3 600
125	-	-	RNA 4922	-	1 200	125	150	40	125 400	275 500	3 600
130	-	-	RNA 4824	-	730	130	150	30	91 600	234 000	3 325
135	-	-	RNA 4924	-	1 760	135	165	45	174 000	386 000	3 230
145	-	-	RNA 4826	-	990	145	165	35	117 000	300 000	3 040
150	-	-	RNA 4926	-	2 210	150	180	50	201 000	450 000	3 040
155	NK 155/32	-	-	-	1 200	155	180	32	112 000	250 000	2 755
	-	-	RNA 4828	-	988	155	175	35	119 000	321 000	2 850



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
	NK	NKS	RNA49/48	RNA69		Fw	D	C	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
160	-	-	RNA 4928	-	2 350	160	190	50	200 000	460 000	2 900
165	-	-	RNA 4830	-	1 600	165	190	40	150 000	380 000	2 660
175	-	-	RNA 4832	-	1 700	175	200	40	152 000	425 000	2 470
185	-	-	RNA 4834	-	2 540	185	215	45	183 000	500 000	2 375
195	-	-	RNA 4836	-	2 680	195	225	45	193 500	540 000	2 100
210	-	-	RNA 4838	-	3 210	210	240	50	226 000	680 000	2 000
220	-	-	RNA 4840	-	3 350	220	250	50	215 000	700 000	1 995
240	-	-	RNA 4844	-	3 620	240	270	50	240 000	770 000	1 805
265	-	-	RNA 4848	-	5 400	265	300	60	345 000	1 070 000	1 600
285	-	-	RNA 4852	-	5 800	285	320	60	365 000	1 150 000	1 500
305	-	-	RNA 4856	-	9 300	305	350	69	440 000	1 200 000	1 425
330	-	-	RNA 4860	-	12 700	330	380	80	610 000	1 570 000	1 300
350	-	-	RNA 4864	-	13 400	350	400	80	615 000	1 800 000	1 200
370	-	-	RNA 4868	-	14 000	370	420	80	620 000	1 900 000	1 140
390	-	-	RNA 4872	-	14 800	390	440	80	640 000	2 000 000	1 140
415	-	-	RNA 4876	-	26 000	415	480	100	950 000	2 755 000	1 045

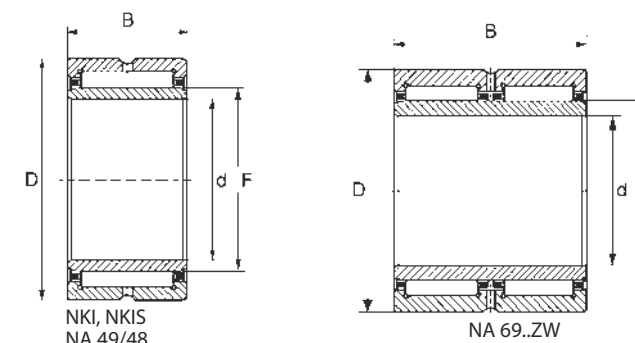
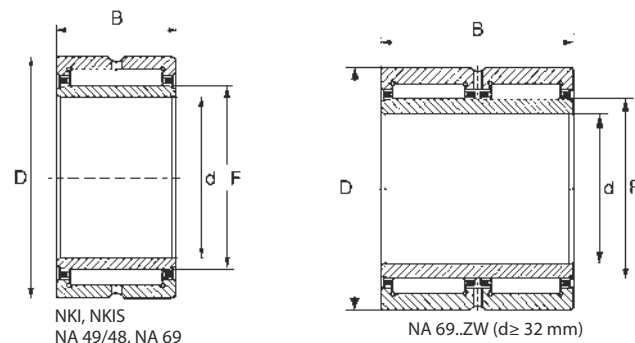
TN = Gabbia in plastica, temperatura d'esercizio ammissibile: 80°C (per funzionamento continuo).

TN = Plastic cage; temperature allowed: 80° (continuous working)

Da Ø 160 a Ø 415 solo su richiesta.

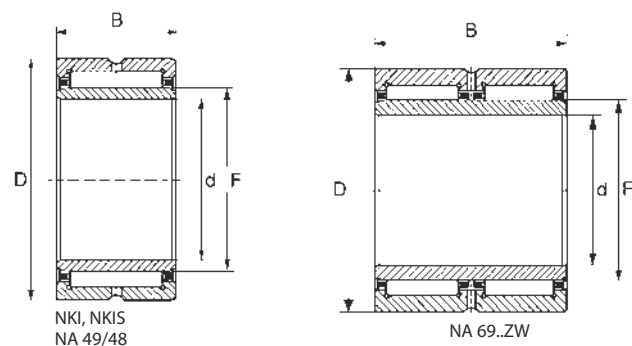
From Ø 160 to Ø 415 available under request.

Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
	NKI	NKIS	NA 49/48	NA 69		d	F	D	B	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
5	* NKI 5/12 TN *	-	-	-	11.5	5	8	15	12	3 750	3 900	30 400
	NKI 5/16 TN	-	-	-	15.3	5	8	15	16	4 900	5 700	30 400
6	* NKI 6/12 TN	-	-	-	13.5	6	9	16	12	4 270	4 750	28 500
	* NKI 6/16 TN	-	-	-	17.4	6	9	16	16	5 600	6 750	28 500
	-	* NKIS 6 TN	-	-	19.9	6	10	19	13	5 510	5 700	26 000
7	* NKI 7/12 TN	-	-	-	13.7	7	10	17	12	4 500	5 200	27 500
	* NKI 7/16 TN	-	-	-	18.2	7	10	17	16	5 900	7 400	27 500
	-	* NKIS 7 TN	-	-	34.6	7	12	22	16	9 100	9 800	24 000
8	-	NKIS 8	-	-	46	8	14	25	16	13 680	13 110	21 500
9	NKI 9/12	-	-	-	14.6	9	12	19	12	6 200	7 002	25 000
	NKI 9/16	-	-	-	21.9	9	12	19	16	8 500	10 500	25 000
	-	* NKIS 9	-	-	41.4	9	15	26	16	13 800	13 500	22 000
10	NKI 10/16	-	-	-	27.3	10	14	22	16	9 808	10 500	23 500
	NKI 10/20	-	-	-	37.1	10	14	22	20	12 150	14 800	23 500
	-	* NKIS 10	-	-	54	10	16	28	16	15 000	15 100	21 000
	-	-	NA 4900	-	21	10	14	22	13	8 006	9 000	23 700
	-	-	-	NA 6900	38.4	10	14	22	22	8 281	11 612	23 700
12	NKI 12/16	-	-	-	33.3	12	16	24	16	10 800	13 100	22 800
	NKI 12/20	-	-	-	39	12	16	24	20	14 000	18 400	22 800
	-	-	NA 4901	-	25.1	12	16	24	13	8 900	10 300	22 800
	-	-	-	NA 6901	44.5	12	16	24	22	15 200	20 500	22 800
	-	NKIS 12	-	-	58	12	18	30	16	16 000	17 000	20 000
15	NKI 15/16	-	-	-	38	15	19	27	16	12 350	16 530	20 900
	NKI 15/20	-	-	-	45.7	15	19	27	20	15 650	22 400	20 900
	-	-	NA 4902	-	32	15	20	28	13	10 050	12 900	20 900
	-	-	-	NA 6902	61.6	15	20	28	23	16 400	24 200	20 900
	-	NKIS 15	-	-	90	15	22	35	20	23 500	26 600	19 000
17	NKI 17/16	-	-	-	41.4	17	21	29	16	13 000	18 200	20 000
	NKI 17/20	-	-	-	53.4	17	21	29	20	16 500	24 900	20 000
	-	-	NA 4903	-	32.8	17	22	30	13	10 450	13 850	19 900
	-	-	-	NA 6903	68.2	17	22	30	23	17 650	27 550	19 900
	-	NKIS 17	-	-	98	17	24	37	20	25 000	30 000	17 000
20	NKI 20/16	-	-	-	48.5	20	24	32	16	14 250	21 150	18 050
	NKI 20/20	-	-	-	61	20	24	32	20	18 000	29 500	18 050
	-	-	NA 4904	-	70.2	20	25	37	17	19 950	24 200	16 200
	-	-	-	NA 6904	141	20	25	37	30	33 000	51 000	16 000
	-	NKIS 20	-	-	119	20	28	42	20	26 500	35 500	14 000
22	NKI 22/16	-	-	-	50	22	26	34	16	14 500	22 400	17 000
	NKI 22/20	-	-	-	65.4	22	26	34	20	18 700	31 000	17 000
	-	-	NA 49/22	-	76	22	28	39	17	21 650	28 000	15 200
	-	-	-	NA 69/22	130	22	28	39	30	35 600	52 250	15 200
25	NKI 25/20	-	-	-	79.4	25	29	38	20	21 000	33 000	15 200
	NKI 25/30	-	-	-	115	25	29	38	30	31 500	56 000	14 000
	-	-	NA 4905	-	76	25	30	42	17	22 400	29 900	14 250
	-	-	-	NA 6905	160	25	30	42	30	37 000	56 000	14 250
	-	NKIS 25	-	-	160	25	32	47	22	32 000	41 300	12 500



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
	NKI	NKIS	NA 49/48	NA 69		d	F	D	B	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
28	NKI 28/20	-	-	-	96.5	28	32	42	20	22 700	36 500	13 300
	NKI 28/30	-	-	-	146	28	32	42	30	34 000	61 000	13 300
	-	-	NA 49/28	-	90.7	28	32	45	17	23 200	31 800	12 350
	-	-	-	NA 69/28	170	28	32	45	30	38 400	59 800	12 350
30	NKI 30/20	-	-	-	112	30	35	45	20	23 500	41 000	12 350
	NKI 30/30	-	-	-	170	30	35	45	30	36 000	68 000	12 350
	-	-	NA 4906	-	101	30	35	47	17	23 000	34 000	12 350
	-	-	-	NA 6906	192	30	35	47	30	42 500	70 500	12 350
32	NKI 32/20	-	-	-	101	32	37	47	20	23 650	41 300	11 400
	NKI 32/30	-	-	-	180	32	37	47	30	36 500	71 500	11 400
	-	-	NA 49/32	-	150	32	40	52	20	28 950	45 100	11 400
	-	-	-	NA 69/32 - ZW	272	32	40	52	36	44 650	77 900	11 400
35	NKI 35/20	-	-	-	127	35	40	50	20	25 000	45 000	11 400
	NKI 35/30	-	-	-	193	35	40	50	30	37 000	75 000	11 400
	-	-	NA 4907	-	151	35	42	55	20	29 900	47 500	10 450
	-	-	-	NA 6907 - ZW	301	35	42	55	36	45 600	81 700	10 450
38	NKI 38/20	-	-	-	136	38	43	53	20	25 000	49 000	10 450
	NKI 38/30	-	-	-	207	38	43	53	30	40 000	84 000	10 450
	-	-	NA 4908	-	230	40	48	62	22	40 850	63 650	9 000
	-	-	-	NA 6908 - ZW	430	40	48	62	40	64 000	112 000	9 000
40	NKI 40/20	-	-	-	142	40	45	55	20	26 100	50 350	9 500
	NKI 40/30	-	-	-	216	40	45	55	30	35 000	86 000	9 500
	-	-	NA 4908	-	230	40	48	62	22	40 850	63 650	9 000
	-	-	-	NA 6908 - ZW	430	40	48	62	40	64 000	112 000	9 000
42	NKI 42/20	-	-	-	138	42	47	57	20	26 000	52 500	9 500
	NKI 42/30	-	-	-	222	42	47	57	30	41 000	92 000	9 500
	-	-	NA 4909	-	260	45	52	68	22	42 750	69 350	8 075
	-	-	-	NA 6909 - ZW	479	45	52	68	40	65 550	120 650	8 075
45	NKI 45/25	-	-	-	218	45	50	62	25	36 000	70 000	8 550
	NKI 45/35	-	-	-	322	45	50	62	35	47 500	100 700	8 550
	-	-	NA 4909	-	260	45	52	68	22	42 750	69 350	8 075
	-	-	-	NA 6909 - ZW	479	45	52	68	40	65 550	120 650	8 075
50	NKI 50/25	-	-	-	262	50	55	68	25	38 000	78 000	8 075
	NKI 50/35	-	-	-	379	50	55	68	35	52 500	117 000	8 075
	-	-	NA 4910	-	264	50	58	72	22	44 650	76 000	7 600
	-	-	-	NA 6910 - ZW	515	50	58	72	40	69 350	132 000	7 600
55	NKI 55/25	-	-	-	272	55	60	72	25	41 000	88 000	7 100
	NKI 55/35	-	-	-	357	55	60	72	35	48 000	126 000	7 100
	-	-	NA 4911	-	386	55	63	80	25	55 100	95 000	7 100
	-	-	-	NA 6911 - ZW	760	55	63	80	45	82 560	172 000	7 156
	NKIS 55	-	-	-	558	55	65	85	28	65 500	107 000	7 100

Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
	NKI	NKIS	NA49/48	NA69		d	F	D	B	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
60	NKI 60/25	-	-	-	388	60	68	82	25	41 300	84 550	6 700
	NKI 60/35	-	-	-	553	60	68	82	35	60 000	137 000	6 700
	-	-	NA 4912	-	412	60	68	85	25	57 000	102 600	6 700
	-	-	-	NA 6912 - ZW	798	60	68	85	45	88 500	186 000	6 700
65	NKIS 60	-	-	-	550	60	70	90	28	65 000	110 000	6 200
	NKI 65/25	-	-	-	467	65	73	90	25	51 000	99 000	6 200
	NKI 65/35	-	-	-	659	65	73	90	35	73 000	154 000	6 200
	-	-	NA 4913	-	456	65	72	90	25	57 500	110 500	6 200
70	-	-	-	NA 6913 - ZW	821	65	72	90	45	87 600	194 500	5 700
	NKIS 65	-	-	-	641	65	75	95	28	69 000	121 000	6 200
	NKI 70/25	-	-	-	521	70	80	95	25	55 000	117 000	5 700
	NKI 70/35	-	-	-	737	70	80	95	35	77 000	182 000	5 700
75	-	-	NA 4914	-	712	70	80	100	30	79 000	154 000	5 700
	-	-	-	NA 6914 - ZW	1 326	70	80	100	54	121 000	263 000	5 700
	NKIS 70	-	-	-	680	70	80	100	28	73 000	131 500	5 700
	NKI 75/25	-	-	-	641	75	85	105	25	68 000	121 000	5 200
80	NKI 75/35	-	-	-	908	75	85	105	35	97 000	192 000	5 200
	-	-	NA 4915	-	765	75	85	105	30	82 000	158 000	5 200
	-	-	-	NA 6915 - ZW	1 429	75	85	105	54	128 000	272 000	5 200
	NKIS 75	-	-	-	641	75	85	105	25	68 000	121 000	5 200
85	NKI 80/25	-	-	-	677	80	90	110	25	71 000	130 000	4 750
	NKI 80/35	-	-	-	959	80	90	110	35	101 000	207 000	4 750
	-	-	NA 4916	-	870	80	90	110	30	81 000	170 500	4 750
	-	-	-	NA 6916 - ZW	1 510	80	90	110	54	130 500	280 600	4 750
90	NKI 85/26	-	-	-	743	85	95	115	26	71 000	135 000	4 700
	NKI 85/36	-	-	-	1 040	85	95	115	36	105 000	222 000	4 700
	-	-	NA 4917	-	1 250	85	100	120	35	111 000	237 000	4 600
	-	-	-	NA 6917 - ZW	2 200	85	100	120	63	166 000	400 000	4 600
95	NKI 90/26	-	-	-	778	90	100	120	26	75 000	145 000	4 400
	NKI 90/36	-	-	-	1 090	90	100	120	36	109 000	235 500	4 400
	-	-	NA 4918	-	1 312	90	105	125	35	114 000	250 000	4 300
	-	-	-	NA 6918 - ZW	2 310	90	105	125	63	172 000	425 000	4 300
100	NKI 95/26	-	-	-	816	95	105	125	26	77 000	153 000	4 250
	NKI 95/36	-	-	-	1 145	95	105	125	36	112 000	235 000	4 250
	-	-	NA 4919	-	1 371	95	110	130	35	116 000	260 000	4 200
	-	-	-	NA 6919 - ZW	2 500	95	110	130	63	174 000	440 000	4 200
110	NKI 100/30	-	-	-	990	100	110	130	30	97 000	200 000	4 100
	NKI 100/40	-	-	-	1 330	100	110	130	40	127 000	280 000	4 100
	-	-	NA 4920	-	1 900	100	115	140	40	120 000	274 000	4 000
	-	-	-	NKIS 100	1 340	100	115	135	32	90 000	203 000	3 850
120	NKI 110/40	-	-	-	1 460	110	120	140	40	112 000	274 000	3 850
	-	-	NA 4922	-	2 070	110	125	150	40	132 000	290 000	3 700
	-	-	NA 4822	-	1 080	110	120	140	30	94 000	216 000	3 900
	-	-	NA 4924	-	2 860	120	135	165	45	181 000	390 000	3 400
130	-	-	NA 4824	-	1 170	120	130	150	30	99 000	239 000	3 600
	-	-	NA 4926	-	3 900	130	150	180	50	203 000	470 000	3 100
	-	-	NA 4826	-	1 810	130	145	165	35	118 000	310 000	3 200

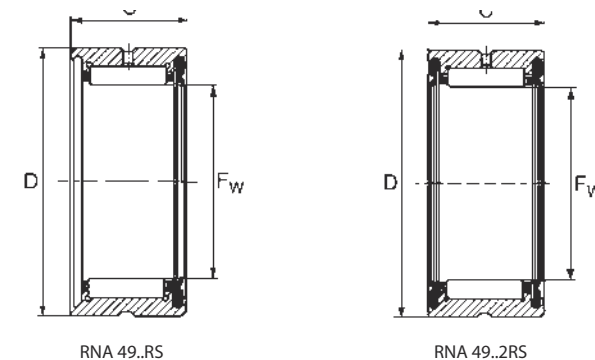


Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
	NKI	NKIS	NA49/48	NA69		d	F	D	B	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
140	^Δ NKI 140/32	-	-	-	2 050	140	155	180	32	113 000	250 000	3 000
	-	-	NA 4928	-	4 150	140	160	190	50	209 000	500 000	2 900
	-	-	NA 4828	-	1 920	140	155	175	35	120 000	325 000	3 000
150	-	-	NA 4830	-	2 720	150	165	190	40	151 000	380 000	2 800
160	-	-	NA 4832	-	2 890	160	175	200	40	160 000	425 000	2 700
170	-	-	NA 4834	-	3 960	170	185	215	45	180 000	500 000	2 500
180	-	-	NA 4836	-	4 200	180	195	225	45	191 000	560 000	2 300
190	-	-	NA 4838	-	5 610	190	210	240	50	225 000	670 000	2 200
200	-	-	NA 4840	-	5 840	200	220	250	50	230 000	700 000	2 000
220	-	-	NA 4844	-	6 380	220	240	270	50	240 000	780 000	1 900
240	-	-	NA 4848	-	10 000	240	265	300	60	351 000	1 050 000	1 700
260	-	-	NA 4852	-	10 600	260	285	320	60	365 000	1 150 000	1 600
280	-	-	NA 4856	-	15 300	280	305	350	69	435 000	1 280 000	1 520
300	-	-	NA 4860	-	21 800	300	330	380	80	610 000	1 750 000	1 330
320	-	-	NA 4864	-	23 000	320	350	400	80	620 000	1 800 000	1 330
340	-	-	NA 4868	-	24 200	340	370	420	80	630 000	1 850 000	1 235
360	-	-	NA 4872	-	25 600	360	390	440	80	650 000	2 000 000	1 140
380	-	-	NA 4876	-	42 600	380	415	480	100	950 000	2 700 000	1 045

TN = Gabbia in plastica, temperatura d'esercizio ammissibile: 80°C (per funzionamento continuo).
 TN = Plastic cage; temperature allowed: 80° (continuous working)

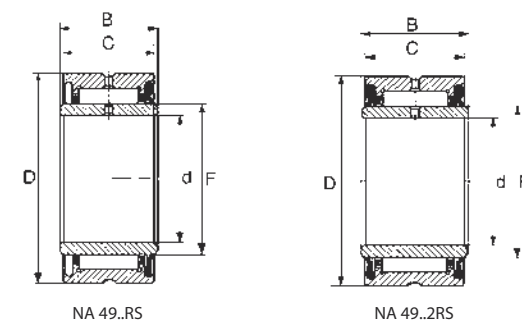
- Con anelli di chiusura, senza foro e gola di lubrificazione.
- With closing rings, without hole and lubrication groove.

^Δ Disponibile su richiesta.
^Δ Available under request.

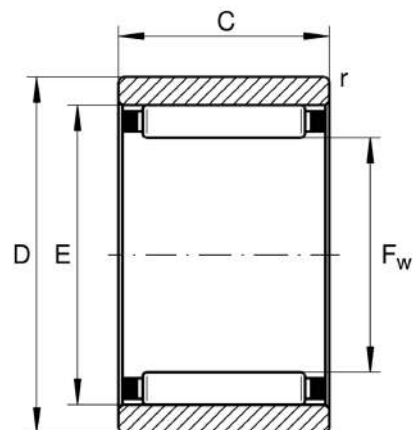


Diametro albero (mm) Shaft diameter (mm)	Sigla Designation		Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
	Tenuta ad un lato Sealed on one side	Tenuta ad entrambi i lati Sealed on both sides		F _w	D	C	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
14	RNA 4900 RS	RNA 4900 2RS	16	14	22	13	6 460	6 550	12 350
16	RNA 4901 RS	RNA 4901 2RS	18	16	24	13	7 220	7 880	11 400
20	RNA 4902 RS	RNA 4902 2RS	21.5	20	28	13	8 170	9 780	9 500
22	RNA 4903 RS	RNA 4903 2RS	23	22	30	13	8 360	10 450	8 550
25	RNA 4904 RS	RNA 4904 2RS	56	25	37	17	16 450	18 900	7 150
30	RNA 4905 RS	RNA 4905 2RS	60	30	42	17	18 350	22 990	6 200
35	RNA 4906 RS	RNA 4906 2RS	69	35	47	17	20 050	27 100	5 220
42	RNA 4907 RS	RNA 4907 2RS	107	42	55	20	25 200	37 500	4 600
48	RNA 4908 RS	RNA 4908 2RS	154	48	62	22	34 200	50 350	4 000
52	RNA 4909 RS	RNA 4909 2RS	157	52	68	22	36 100	56 000	3 700
58	RNA 4910 RS	RNA 4910 2RS	160	58	72	22	38 000	60 800	3 400

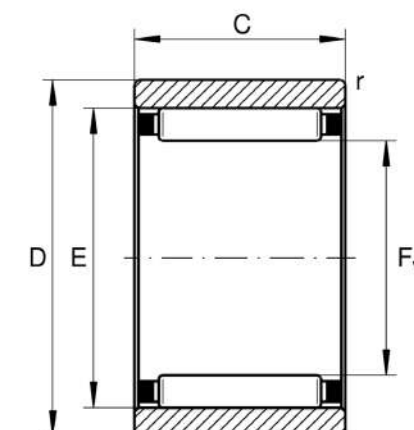
SEALED NEEDLE ROLLER BEARINGS WITH INNER RING (NA 49..RS • NA 49..2RS)
CUSCINETTI A RULLINI CON ANELLI DI TENUTA ED ANELLO INTERNO (NA 49..RS • NA 49..2RS)



Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation		Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)					Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
	Tenuta ad un lato Sealed on one side	Tenuta ad entrambi i lati Sealed on both sides		d	F	D	C	B	Dinamico C Dynamic C	Statico C ₀ Static C	
10	NA 4900 RS	NA 4900 2RS	24.5	10	14	22	13	14	6 460	6 550	12 350
12	NA 4901 RS	NA 4901 2RS	27.5	12	16	24	13	14	7 220	7 880	11 400
15	NA 4902 RS	NA 4902 2RS	37	15	20	28	13	14	8 170	9 780	9 500
17	NA 4903 RS	NA 4903 2RS	40	17	22	30	13	14	8 360	10 450	8 550
20	NA 4904 RS	NA 4904 2RS	80	20	25	37	17	18	16 450	18 900	7 150
25	NA 4905 RS	NA 4905 2RS	89.5	25	30	42	17	18	18 350	22 990	6 200
30	NA 4906 RS	NA 4906 2RS	104	30	35	47	17	18	20 050	27 100	5 220
35	NA 4907 RS	NA 4907 2RS	175	35	42	55	20	21	25 200	37 500	4 600
40	NA 4908 RS	NA 4908 2RS	252	40	48	62	22	23	34 200	50 350	4 000
45	NA 4909 RS	NA 4909 2RS	290	45	52	68	22	23	36 100	56 000	3 700
50	NA 4910 RS	NA 4910 2RS	295	50	58	72	22	23	38 000	60 800	3 400



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
			Fw	D	C	E	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
5	RNAO 5x10x8 TN	2.8	5	10	8	8	2 240	1 830	35 200
6	RNAO 6x13x8 TN	5	6	13	8	9	2 470	2 170	30 400
7	RNAO 7x14x8 TN	5	7	14	8	10	2 700	2 520	29 450
8	RNAO 8x15x10 TN	7.8	8	15	10	11	3 750	3 900	27 550
10	RNAO 10x17x10 TN	9.1	10	17	10	13	4 510	5 230	25 650
12	RNAO 12x19x13.5 TN	14	12	19	13.5	15	5 400	7 500	22 000
	RNAO 12x22x12 TN	17.9	12	22	12	18	9 500	9 400	22 800
15	RNAO 15x23x13	18.5	15	23	13	19	8 100	10 350	21 850
16	RNAO 16x24x13	19.8	16	24	13	20	8 450	11 200	20 900
	RNAO 16x24x20 - ZW	29.7	16	24	20	20	12 600	18 810	21 100
	RNAO 16x28x12	29.7	16	28	12	22	10 900	11 900	19 950
17	RNAO 17x25x13	21	17	25	13	21	9 900	13 900	20 900
18	RNAO 18x30x24 - ZW	65	18	30	24	24	20 800	28 500	19 000
20	RNAO 20x28x13	24.5	20	28	13	24	9 300	13 600	19 000
	RNAO 20x28x26 - ZW	48.1	20	28	26	24	15 950	27 100	19 000
	RNAO 20x32x12	36.6	20	32	12	26	12 750	15 400	18 000
22	RNAO 22x30x13	25.2	22	30	13	26	9 900	15 100	18 000
	RNAO 22x35x16	58	22	35	16	29	19 000	24 250	16 150
25	RNAO 25x35x17	49	25	35	17	29	14 150	24 700	15 200
	RNAO 25x35x26 - ZW	67.8	25	35	26	29	18 450	35 150	15 200
	RNAO 25x37x16	59.2	25	37	16	32	19 900	26 600	15 200
	RNAO 25x37x32 - ZW	108	25	37	32	32	25 000	38 900	12 000
26	RNAO 26x39x13	59	26	39	13	30	11 000	18 200	15 020
30	RNAO 30x40x17	59	30	40	17	35	18 600	32 300	13 300
	RNAO 30x40x26 - ZW	92	30	40	26	35	16 000	32 000	10 050
	RNAO 30x42x16	49.9	30	42	16	37	21 950	31 800	13 300
	RNAO 30x42x32 - ZW	126	30	42	32	37	37 500	63 650	13 300



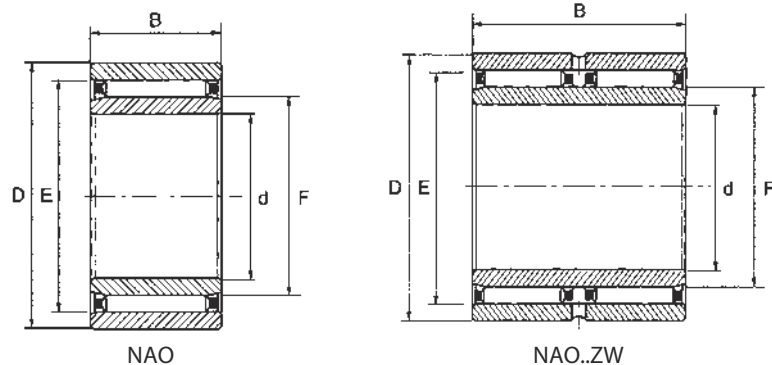
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
			Fw	D	C	E	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
35	RNAO 35x45x13	50	35	45	13	40	15 400	26 600	11 400
	RNAO 35x45x17	60	35	45	17	40	19 750	36 600	11 400
	RNAO 35x45x26 - ZW	88	35	45	26	40	26 100	53 200	11 400
	RNAO 35x47x16	75	35	47	16	42	23 180	35 600	11 400
	RNAO 35x47x18	86	35	47	18	42	26 100	40 850	11 400
	RNAO 35x47x32 - ZW	149	35	47	32	42	39 900	71 250	11 400
37	RNAO 37x52x18	115	37	52	18	44	18 900	35 500	8 800
40	RNAO 40x50x17	72	40	50	17	45	20 350	39 400	10 450
	RNAO 40x50x34 - ZW	151	40	50	34	45	34 700	78 850	10 450
	RNAO 40x55x20	144	40	55	20	47	30 900	54 150	10 450
	RNAO 40x55x40 - ZW	268	40	55	40	48	58 900	112 100	9 500
42	RNAO 42x57x20	132	42	57	20	50	34 200	56 000	10 000
45	RNAO 45x55x17	82.5	45	55	17	50	21 400	43 700	9 500
	RNAO 45x62x40 - ZW	368	45	62	40	53	63 650	128 250	8 600
50	RNAO 50x62x20	140	50	62	20	55	25 200	57 000	8 600
	RNAO 50x65x20	162	50	65	20	58	33 700	58 900	8 100
	RNAO 50x65x40 - ZW	321	50	65	40	58	57 950	117 800	8 100
55	RNAO 55x68x20	157	55	68	20	60	27 100	62 700	7 600
60	RNAO 60x78x20	253	60	78	20	68	41 300	80 750	6 700
	RNAO 60x78x40 - ZW	435	60	78	40	68	71 250	162 450	6 700
65	RNAO 65x85x30	464	65	85	30	73	54 150	116 850	6 200
70	RNAO 70x90x30	488	70	90	30	78	57 000	128 250	5 700
80	RNAO 80x100x30	527	80	100	30	88	67 450	167 200	5 300
85	RNAO 85x105x25	449	85	105	25	93	54 150	129 200	4 900
90	RNAO 90x105x26	373	90	105	26	98	57 950	142 500	4 750
	RNAO 90x110x30	600	90	110	30	98	64 600	163 400	4 700
100	RNAO 100x120x30	671	100	120	30	108	67 450	178 600	4 300

TN = Gabbia in plastica, temperatura d'esercizio ammissibile: 80°C (funzionamento continuo).

TN = Plastic cage; temperature allowed: 80°C (continuous working).

ZW = A due corone, con gola e foro di lubrificazione.

ZW = Double row, with groove and lubrication hole.



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)					Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
			d	D	B	F	E	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
6	• NAO 6x17x10 TN	13	6	17	10	10	13	4 500	5 200	27 550
9	NAO 9x22x12 TN	22	9	22	12	12	18	9 500	9 400	23 750
12	NAO 12x24x13	29	12	24	13	16	20	8 450	11 200	22 800
	NAO 12x24x20	43	12	24	20	16	20	12 635	18 810	22 800
	NAO 12x28x12	38.6	12	28	12	16	22	10 900	11 900	20 900
15	NAO 15x28x13	27.8	15	28	13	20	24	9 300	13 600	20 900
	NAO 15x32x12	48.1	15	32	12	20	26	12 700	15 400	20 000
17	NAO 17x30x13	39	17	30	13	22	26	9 860	15 000	20 000
	NAO 17x35x16	70	17	35	16	22	29	19 000	24 200	18 000
20	NAO 20x35x17	72	20	35	17	25	29	14 200	24 700	17 100
	NAO 20x37x16	81	20	37	16	25	32	19 900	26 600	16 150
25	NAO 25x40x17	78.9	25	40	17	30	35	18 600	32 300	14 250
	• NAO 25x42x16	83	25	42	16	30	37	21 900	31 800	14 250
	NAO 25x42x32 - ZW	189	25	42	32	30	37	37 500	63 650	14 250
30	NAO 30x45x13	73	30	45	13	35	40	15 390	26 600	12 000
	NAO 30x45x17	100	30	45	17	35	40	19 760	36 600	12 350
	NAO 30x45x26 - ZW	150	30	45	26	35	40	26 100	53 200	12 350
	NAO 30x47x16	99.8	30	47	16	35	42	23 180	35 600	12 350
	NAO 30x47x18	109	30	47	18	35	42	26 100	40 850	12 350
	NAO 30x52x18	172	30	52	18	37	44	26 600	43 225	11 000
35	NAO 35x50x17	103	35	50	17	40	45	20 800	40 506	10 000
	NAO 35x55x20	175	35	55	20	40	47	30 900	54 150	10 450
	# NAO 35x57x20.5	206	35	57	20.5	42	50	34 200	56 050	10 000
40	NAO 40x55x17	118	40	55	17	45	50	21 400	43 700	9 500
	• NAO 40x65x20	269	40	65	20	50	58	35 000	61 200	8 000
50	• NAO 50x68x20	219	50	68	20	55	60	27 100	62 700	8 100
	• NAO 50x78x20	400	50	78	20	60	68	41 325	80 750	6 500
70	NAO 70x100x30	829	70	100	30	80	88	67 450	167 200	5 700
75	NAO 75x100x25	676	75	105	25	85	93	54 150	129 200	5 000
80	NAO 80x110x30	892	80	110	30	90	98	64 600	163 400	4 750
90	NAO 90x120x30	1 004	90	120	30	100	108	67 450	178 600	4 500

TN = Gabbia in plastica, temperatura d'esercizio ammissibile: 80°C (funzionamento continuo).

TN = Plastic cage; temperature allowed: 80°C (continuous working).

ZW = A due corone, con gola e foro di lubrificazione nell'anello esterno

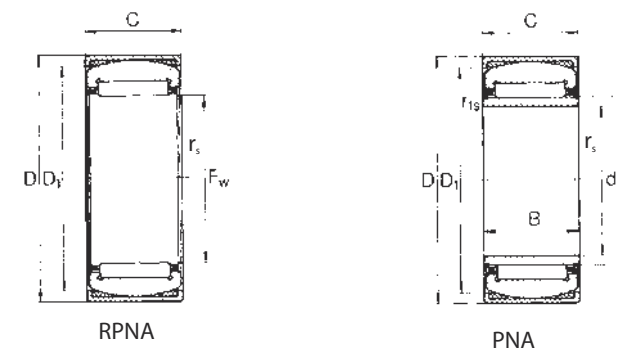
ZW = Double row, with groove and lubrication hole in the outer rings

Larghezza anello esterno = 20 mm.

Width of outer ring = 20 mm.

• Foro di lubrificazione nell'anello interno

• Lubrication hole in inner ring



RPNA

Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)					Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
			Fw	D	C ± 0,5	D1	rs min.	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
15	RPNA 15/28	32	15	28	12	24.5	0.8	6 500	7 500	24 000
18	RPNA 18/32	52	18	32	16	27	0.8	11 900	15 400	22 000
20	RPNA 20/35	62	20	35	16	30.5	0.8	12 350	16 600	21 000
25	RPNA 25/42	109	25	42	20	36.5	0.8	17 800	29 000	18 000
28	RPNA 28/44	112	28	44	20	38.5	0.8	20 900	32 300	16 000
30	RPNA 30/47	125	30	47	20	42	0.8	21 500	34 200	15 000
35	RPNA 35/52	131	35	52	20	47.5	0.8	23 100	39 400	13 000
40	RPNA 40/55	141	40	55	20	50.5	0.8	24 700	44 650	11 000
45	RPNA 45/62	176	45	62	20	58	0.8	26 100	50 350	10 000

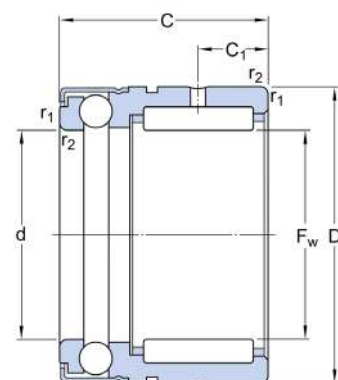
ALIGNING NEEDLE ROLLER BEARING WITH INNER RING (PNA) CUSCINETTI ORIENTABILI A RULLINI CON ANELLO INTERNO (PNA)

PNA

Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)									Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
			d	F	D	B	C ± 0,5	D1	rs min.	r1s min.	s1	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
12	PNA 12/28	37	12	15	28	12	12	24.5	0.8	0.3	0.5	6 500	7 500	24 000
15	PNA 15/32	62	15	18	32	16	16	27	0.8	0.3	0.5	11 900	15 400	22 000
17	PNA 17/35	73	17	20	35	16	16	30.5	0.8	0.3	0.5	12 350	16 600	21 000
20	PNA 20/42	136	20	25	42	20	20	36.5	0.8	0.3	0.5	17 800	29 000	18 000
22	PNA 22/44	145	22	28	44	20	20	38.5	0.8	0.3	0.5	20 900	32 300	16 000
25	PNA 25/47	157	25	30	47	20	20	42	0.8	0.3	0.5	21 500	34 200	15 000
30	PNA 30/52	181	30	35	52	20	20	47.5	0.8	0.3	0.5	23 100	39 400	13 000
35	PNA 35/55	177	35	40	55	20	20	50.5	0.8	0.3	0.5	24 700	44 650	11 000
40	PNA 40/62	227	40	45	62	20	20	58	0.8	0.3	0.5	26 100	50 350	10 000

1) Scostamento assiale ammesso dell'anello interno, dalla posizione intermedia.
Axial deviation allowed of inner ring from intermediate position.

2) Per lubrificazione a grasso è consentito un numero di giri pari al 60% dei valori indicati.
For grease lubrication, revolutions allowed are 60% of indicated value.



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation			Dimensioni (mm) Dimensions (mm)					Coefficienti di carico (N) Basic load ratings (N)				Velocità limite Limiting Speed	Dimensioni di Montaggio (mm) Mounting Dimensions (mm)		
	Lubrificazione ad olio Oil lubrication	Lubrificazione con grasso Grease lubrication	Peso (g) Weight (g)	Fw	D	C -0,25	C1	dw	Radiale / Radial Din./Dyn C Stat/Stat C ₀		Assiale / Axial 1) Din./Dyn C Stat/Stat C ₀		Olio/Oil (N. giri max) (max rpm)	C2 -0,5	D1	da
7	• NX 7 TN	• NX 7 Z TN	14	7	14	18	4.7	7	2 700	2 510	3 200	4 300	15 000	10	16.5	9.6
10	NX 10	NX 10 Z	25	10	19	18	4.7	10	4 200	3 500	4 900	7 400	11 000	10	21.9	14.6
12	NX 12	NX 12 Z	28	12	21	18	4.7	12	4 500	4 100	5 100	8 450	9 500	10	23.7	16.6
15	NX 15	NX 15 Z	48	15	24	28	8	15	10 500	11 500	5 900	10 500	8 000	12.2	26.5	19
17	NX 17	NX 17 Z	53	17	26	28	8	17	11 000	14 000	6 100	11 500	7 500	12.2	28.5	21
20	NX 20	NX 20 Z	68	20	30	28	8	20	12 000	16 000	6 500	15 000	6 500	12.2	33.6	25
25	NX 25	NX 25 Z	115	25	37	30	8	25	14 000	21 000	11 000	24 000	4 900	14.2	40.4	31.6
30	NX 30	NX 30 Z	130	30	42	30	10	30	21 000	34 000	12 000	28 000	4 300	14.2	45.1	36.5
35	NX 35	NX 35 Z	160	35	47	30	10	35	23 000	40 000	13 000	34 000	3 700	14.2	50.1	40.5

TN= Gabbia in plastica, temperatura di esercizio ammissibile: 80°C (per funzionamento continuo).

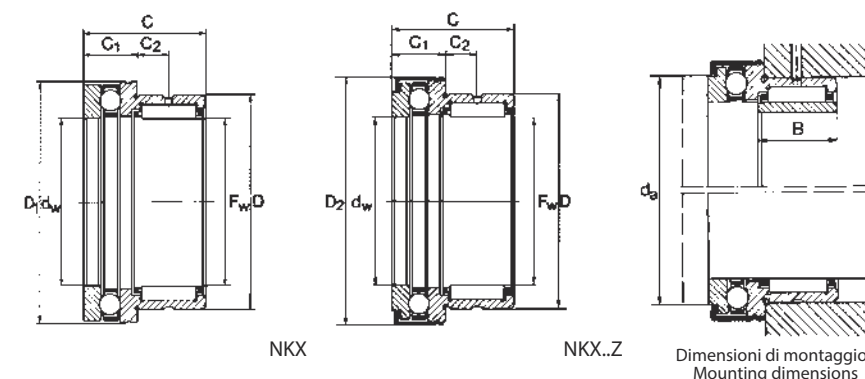
TN= Plastic cage; temperature allowed: 80°C. (continuous working).

1) Carico assiale F, da 1% al 2% del coefficiente di carico dinamico C (assiale).
F, axial load from 1% to 2% of C basic dynamic load rating (axial).

In caso di lubrificazione a grasso, è ammesso un n° di giri pari al 60% dei valori riportati in tabella

For grease lubrication number of allowed revolution is 60% of value expressed in table (see specifications for different grease)

- Foro per olio di lubrificazione.
Holes for lubricating oil.



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Dimensioni (mm) Dimensions (mm)								Coefficienti di carico (N) Basic load rating (N)				Velocità limite Limiting Speed	Dimensioni Montaggi Mounting Dimensions da (mm)
	Senza calotta Without retaining cap	Peso (g) Weight (g)	Con calotta With retaining cap	Peso (g) Weight (g)	Fw	D	D1 max	D2 max	C -0,25	C1 -0,2	C2	dw	Radiale / Radial		Assiale / Axial 1)			
													Din./Dyn C	Stat/Stat Co	Din./Dyn C	Stat/Stat Co		
10	• NKX 10TN	34	• NKX 10 Z TN	36	10	19	24.1	25.2	23	9	6.5	10	6 000	7 500	9 500	13 000	12 000	19.7
12	NKX 12	38	NKX 12 Z	40	12	21	26.1	27.2	23	9	6.5	12	8 500	10 500	10 000	15 000	11 000	21.7
15	NKX 15	44	NKX 15 Z	47	15	24	28.1	29.2	23	9	6.5	15	10 000	12 000	10 000	16 000	9 500	23.7
17	NKX 17	53	NKX 17 Z	55	17	26	30.1	31.2	25	9	8	17	11 000	14 500	10 500	17 900	8 500	25.7
20	NKX 20	83	NKX 20 Z	90	20	30	35.1	36.2	30	10	10.5	20	15 000	22 500	13 500	23 000	7 500	30.7
25	NKX 25	125	NKX 25 Z	132	25	37	42.1	43.2	30	11	9.5	25	17 000	30 000	18 000	35 000	6 000	37.7
30	NKX 30	141	NKX 30 Z	148	30	42	47.1	48.2	30	11	9.5	30	21 000	34 000	19 000	39 500	5 000	42.7
35	NKX 35	163	NKX 35 Z	168	35	47	52.1	53.2	30	12	9	35	23 000	40 000	20 500	44 650	4 600	47.7
40	NKX 40	200	NKX 40 Z	208	40	52	60.1	61.2	32	13	10	40	25 000	45 000	26 000	60 000	4 000	55.7
45	NKX 45	252	NKX 45 Z	265	45	58	65.2	66.5	32	14	9	45	26 500	51 000	27 000	67 000	3 600	60.5
50	NKX 50	280	NKX 50 Z	300	50	62	70.2	71.5	35	14	10	50	36 000	72 000	28 000	72 000	3 300	65.5
60	NKX 60	360	NKX 60 Z	380	60	72	85.2	86.5	40	17	12	60	41 000	88 000	40 000	110 000	2 800	80.5
70	NKX 70	500	NKX 70 Z	520	70	85	95.2	96.5	40	18	11	70	42 500	91 000	42 000	120 000	2 400	90.5

TN= Gabbia in plastica, temperatura di esercizio ammissibile: 80°C (per funzionamento continuo).

TN= Plastic cage; temperature allowed: 80°C. (continuous working).

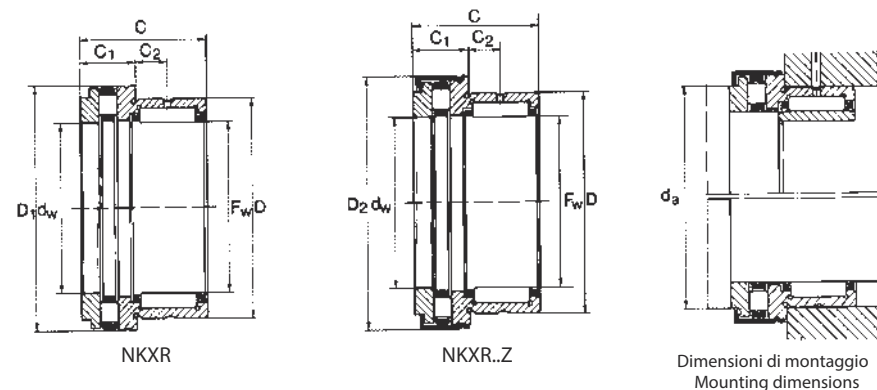
1) Carico assiale F, da 1% al 2% del coefficiente di carico dinamico C (assiale).
F, axial load from 1% to 2% of C basic dynamic load rating (axial).

In caso di lubrificazione a grasso, è ammesso un n° di giri pari al 60% dei valori riportati in tabella

For grease lubrication number of allowed revolution is 60% of value expressed in table (see specifications for different grease)

- Foro per olio di lubrificazione.

NEEDLE ROLLER AXIAL CYLINDRICAL ROLLER BEARINGS (NKXR • NKXR..Z) CUSCINETTI COMBINATI A RULLINI ED ASSIALI A RULLI CILINDRICI (NKXR • NKXR..Z)



Dimensioni di montaggio
Mounting dimensions

Diametro albero (mm) Shaft diameter (mm)	Sigla Designation				Dimensioni (mm) Dimensions (mm)									Coefficienti di carico (N) Basic load ratings (N)				Velocità limite Limiting Speed	Dimensione Montaggio Mounting Dimension
	Senza calotta Without retaining cap	Peso (g) Weight (g)	Con calotta With retaining cap	Peso (g) Weight (g)	Fw	D	D1 max	D2 max	C -0,25	C1 -0,2	C2	dw	Radiale / Radial		Assiale / Axial 1)		Olio/ Oil (N. giri max) (max rpm)	da (mm)	
													Din.Dyn C	StatStat Co	Din.Dyn C	StatStat Co			
15	NKXR 15	42	NKXR 15 Z	45	15	24	28.1	29.2	23	9	6.5	15	10 500	11 500	13 500	27 500	12 350	23.7	
17	NKXR 17	50	NKXR 17 Z	53	17	26	30.1	31.2	25	9	8	17	11 000	14 000	15 000	32 500	11 400	25.7	
20	NKXR 20	80	NKXR 20 Z	84	20	30	35.1	36.2	30	10	10.5	20	15 000	23 000	23 500	52 500	9 500	30.7	
25	NKXR 25	120	NKXR 25 Z	125	25	37	42.1	43.2	30	11	9.5	25	17 000	29 000	32 000	75 000	8 100	37.7	
30	NKXR 30	135	NKXR 30 Z	141	30	42	47.1	48.2	30	11	9.5	30	21 000	34 000	34 500	85 000	7 100	42.7	
35	NKXR 35	157	NKXR 35 Z	165	35	47	52.1	53.2	30	12	9	35	23 500	40 000	38 000	98 000	6 200	47.7	
40	NKXR 40	204	NKXR 40 Z	214	40	52	60.1	61.2	32	13	10	40	25 000	45 000	54 000	143 000	5 700	55.7	
45	NKXR 45	244	NKXR 45 Z	260	45	58	65.2	66.5	32	14	9	45	26 500	51 000	57 000	162 000	4 750	60.6	
50	NKXR 50	268	NKXR 50 Z	288	50	62	70.2	71.5	35	14	10	50	36 000	72 000	60 500	169 000	4 560	65.5	

Le gabbie assiali sono in plastica, temperatura di esercizio ammissibile: 80°C (per funzionamento continuo).

Ball cages are made of plastic; allowed temperature: 80° (continuous working).

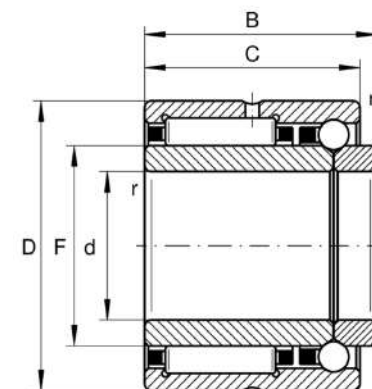
1) Carico assiale F, da 1% al 2% del coefficiente di carico dinamico C (assiale).

F_{axial} load from 1% to 2% of C basic dynamic load rating (axial).

In caso di lubrificazione a grasso, è ammesso un n° di giri pari al 60% dei valori riportati in tabella

For grease lubrication number of allowed revolution is 60% of value expressed in table (see specifications for different grease)

NEEDLE ROLLER ANGULAR CONTACT BALL BEARINGS SINGLE DIRECTION (NKIA) CUSCINETTI COMBINATI A RULLINI ED OBLIQUI A SFERA MONODIREZIONALI (NKIA)



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)				Velocità limite Limiting Speed
			d	F	D	B	Radiale / Radial		Assiale / Axial		(N. giri max) (max rpm)
							Dinamico C Dynamic C	Statico C ₀ Static C ₀	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
12	NKIA 5901	40	12	16	24	16	7 200	7 900	2 052	2 138	22 800
15	NKIA 5902	50	15	20	28	18	10 070	12 900	2 223	2 613	20 900
17	NKIA 5903	56	17	22	30	18	10 450	13 870	2 375	3 040	19 950
20	NKIA 5904	103	20	25	37	23	19 950	24 200	3 753	4 608	16 150
22	NKIA 59/22	118	22	28	39	23	21 660	28 000	4 038	5 320	15 200
25	NKIA 5905	130	25	30	42	23	22 400	29 900	4 133	5 795	14 250
30	NKIA 5906	147	30	35	47	23	23 750	33 700	4 513	6 935	12 350
35	NKIA 5907	243	35	42	55	27	29 900	47 500	5 700	9 310	10 450
40	NKIA 5908	315	40	48	62	30	40 850	63 650	7 030	12 065	9 000
45	NKIA 5909	375	45	52	68	30	42 750	69 350	7 315	13 300	8 100
50	NKIA 5910	380	50	58	72	30	44 650	76 000	7 695	15 105	7 600
55	NKIA 5911	550	55	63	80	34	55 100	95 000	9 215	18 240	7 100
60	NKIA 5912	590	60	68	85	34	57 000	102 600	9 500	10 260	6 650
65	NKIA 5913	635	65	72	90	34	57 950	106 400	9 785	21 185	6 200
70	NKIA 5914	980	70	80	100	40	79 800	148 200	12 825	27 550	5 700

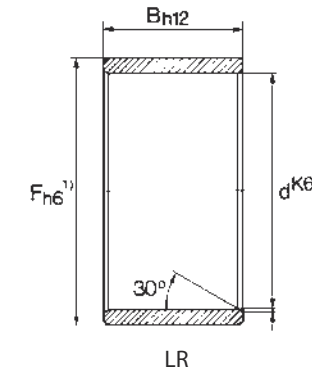
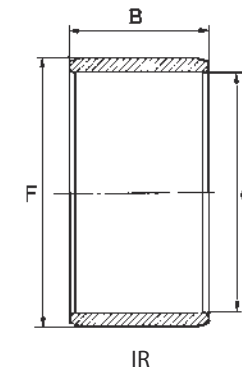
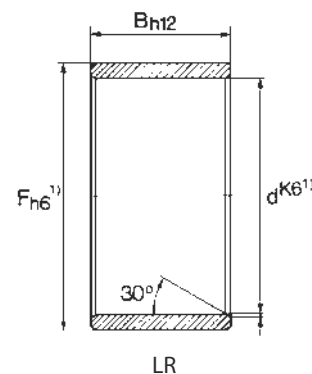
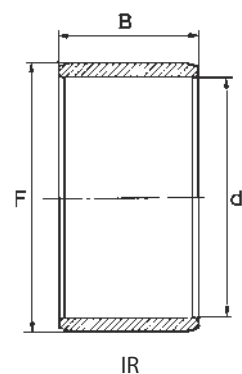
NEEDLE ROLLER ANGULAR CONTACT BALL BEARINGS DOUBLE DIRECTION (NKIB) CUSCINETTI COMBINATI A RULLINI ED OBLIQUI A SFERA BIDIREZIONALI (NKIB)

Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)					Coefficienti di carico (N) Basic load ratings (N)				Velocità limite Limiting Speed
			d	F	D	B	C	Radiale / Radial		Assiale / Axial		(N. giri max) (max rpm)
								Dinamico C Dynamic C	Statico C ₀ Static C ₀	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
12	NKIB 5901	43	12	16	24	17.5	16	7 200	7 900	2 052	2 138	22 800
15	NKIB 5902	52	15	20	28	20	18	10 070	12 900	2 223	2 613	20 900
17	NKIB 5903	58	17	22	30	20	18	10 450	13 870	2 375	3 040	19 950
20	NKIB 5904	107	20	25	37	25	23	19 950	24 200	3 753	4 608	16 150
22	NKIB 59/22	122	22	28	39	25	23	21 660	28 000	4 038	5 320	15 200
25	NKIB 5905	134	25	30	42	25	23	22 400	29 900	4 133	5 795	14 250
30	NKIB 5906	151	30	35	47	25	23	23 750	33 700	4 513	6 935	12 350
35	NKIB 5907	247	35	42	55	30	27	29 900	47 500	5 700	9 310	10 450
40	NKIB 5908	320	40	48	62	34	30	40 850	63 650	7 030	12 065	9 000
45	NKIB 5909	380	45	52	68	34	30	42 750	69 350	7 315	13 300	8 100
50	NKIB 5910	385	50	58	72	34	30	44 650	76 000	7 695	15 105	7 600
55	NKIB 5911	555	55	63	80	38	34	55 100	95 000	9 215	18 240	7 100
60	NKIB 5912	595	60	68	85	38	34	57 000	102 600	9 500	10 260	6 650
65	NKIB 5913	640	65	72	90	38	34	57 950	106 400	9 785	21 185	6 200
70	NKIB 5914	985	70	80	100	45	40	79 800	148 200	12 825	27 550	5 700

Le gabbie a sfere sono in plastica, temperatura di esercizio ammissibile: 80°C (per funzionamento continuo).

Ball cages are made of plastic; allowed temperature: 80° (continuous working).

- SCARICA IL NOSTRO CATALOGO



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)		
			d	F	B
5	IR -	2.79	5	8	12
	IR -	3.75	5	8	16
6	IR -	3.17	6	9	12
	IR -	4.3	6	9	16
	IR -	3.7	6	10	10
7	IR -	4.6	6	10	12
	IR LR	3.09	7	10	10.5
	IR -	3.61	7	10	12
8	IR -	4.9	7	10	16
	IR -	4.8	8	12	10
	IR LR	5	8	12	10.5
9	IR -	5.7	8	12	12
	IR LR	5.9	8	12	12.5
	IR -	4.5	9	12	12
10	IR -	6.1	9	12	16
	IR LR	5.2	10	13	12.5
	IR -	7.3	10	14	12
11	IR -	7.4	10	14	13
	IR -	8	10	14	14
	IR -	9.2	10	14	16
12	IR -	11.6	10	14	20
	IR -	5.8	12	15	12
	IR LR	6.1	12	15	12.5
13	IR -	8	12	15	16
	IR LR	8.1	12	15	16.5
	IR LR	10.9	12	15	22.5
14	IR -	7	12	16	10
	IR -	7.9	12	16	12
	IR -	8.7	12	16	13
15	IR -	9.5	12	16	14
	IR -	10.9	12	16	16
	IR -	13.5	12	16	20
16	IR -	14.9	12	16	22
	IR -	7.2	15	18	12.5
	IR -	9.6	15	18	16
17	IR LR	9.9	15	18	16.5
	IR -	12.8	15	19	16
	IR -	16.4	15	19	20
18	IR -	12.1	15	20	12
	IR -	17.5	22	26	16
	IR -	23.2	22	26	20
19	IR -	29.8	22	28	17
	IR -	35	22	28	20
	IR LR	36	22	28	20.5
20	IR -	54.4	22	28	30
	IR -	25.5	25	29	20
	IR -	39.3	25	29	30
21	IR -	20	25	30	12.5
	IR -	26	25	30	16
	IR -	26.7	25	30	16.5

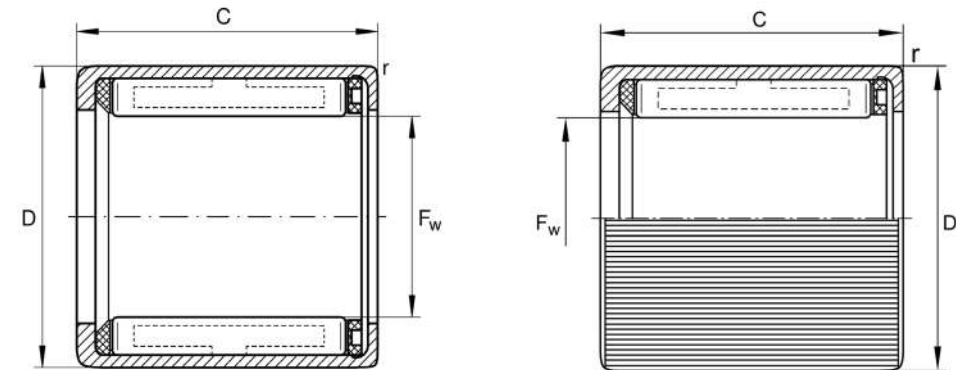
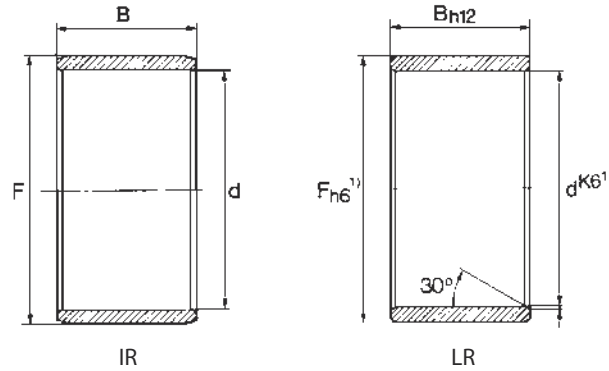
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)		
			d	F	B
15	IR -	13.5	15	20	13
	IR -	14.7	15	20	14
	IR -	24.4	15	20	23
16	IR -	10.7	17	20	16
	IR LR	11.1	17	20	16.5
	IR -	13.5	17	20	20
17	IR LR	13.8	17	20	20.5
	IR LR	20.6	17	20	30.5
	IR -	14.3	17	21	16
18	IR -	18	17	21	20
	IR -	14.9	17	22	13
	IR -	16.4	17	22	14
19	IR -	18.7	17	22	16
	IR -	23	17	22	20
	IR -	27.1	17	22	23
20	IR -	33.6	17	24	20
	IR -	16.5	20	24	16
	IR -	21.3	20	24	20
21	IR -	16.3	20	25	12.5
	IR -	21.1	20	25	16
	IR -	21.7	20	25	16.5
22	IR -	22.4	20	25	17
	IR -	24.3	20	25	18
	IR -	27.5	20	25	20
23	IR LR	28.2	20	25	20.5
	IR LR	36.1	20	25	26.5
	IR -	40.9	20	25	30
24	IR LR	52.5	20	25	38.5
	IR -	45.2	20	28	20
25	IR -	17.5	22	26	16
	IR -	23.2	22	26	20
	IR -	29.8	22	28	17
26	IR -	35	22	28	20
	IR LR	36	22	28	20.5
	IR -	54.4	22	28	30
27	IR -	25.5	25	29	20
	IR -	39.3	25	29	30
	IR -	20	25	30	12.5
28	IR -	26	25	30	16
	IR -	26.7	25	30	16.5

Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)		
			d	F	B
25	IR -	27.5	25	30	17
	IR -	29.8	25	30	18
	IR -	32.6	25	30	20
26	IR LR	33.5	25	30	20.5
	IR LR	43.3	25	30	26.5
	IR -	50.1	25	30	30
27	IR -	53	25	30	32
	IR LR	63.8	25	30	38.5
	IR -	51.7	25	32	22
28	IR -	24.5	28	32	17
	IR -	28.4	28	32	20
	IR -	43.8	28	32	30
29	IR -	14.8	29	32	13
	IR -	23.3	30	35	12.5
	IR -	25	30	35	13
30	IR -	30.8	30	35	16
	IR -	31.4	30	35	16.5
	IR -	32.3	30	35	17
31	IR -	35.3	30	35	18
	IR -	40	30	35	20
	IR LR	40.7	30	35	20.5
32	IR -	50.3	30	35	26
	IR -	54	30	35	27.5
	IR -	58.9	30	35	30
33	IR -	50	30	37	18
	IR -	60.8	30	37	22
	IR -	64.8	30	38	20
34	IR -	42	32	37	20
	IR -	62.7	32	37	30
	IR -	68	32	40	20
35	IR -	124	32	40	36
	IR -	21.9	33	37	13
	IR LR	27.2	35	40	12.5
36	IR -	37.4	35	40	16.5
	IR -	38.3	35	40	17
	IR -	44.4	35	40	20
37	IR LR	46.1	35	40	20.5
	IR -	67.9	35	40	30
	IR -	91	35	40	40

Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)		
			d	F	B
35	IR -	63.9	35	42	20
	IR -	66	35	42	20.5
	IR -	67.7	35	42	21
36	IR -	74	35	42	23
	IR -	117	35	42	36
	IR -	82	35	43	22
37	IR -	48.1	38	43	20
	IR -	73.6	38	43	30
38	IR -	41.4	40	45	16.5
	IR -	42.5	40	45	17
	IR -	50.5	40	45	20
39	IR LR	52.5	40	45	20.5
	IR -	77.1	40	45	30
	IR -	101	40	45	40
40	IR -	92.3	40	48	22
	IR -	97.3	40	48	23
	IR -	170	40	48	40
41	IR -	106	40	50	20
	IR -	118	40	50	22
42	IR -	53.5	42	47	20
	IR -	81	42	47	30
43	IR -	58.8	45	50	20.5
	IR -	71.1	45	50	25
	IR LR	73.7	45	50	25.5
44	IR -	101	45	50	35
	IR -	89	45	52	22
	IR -	93	45	52	23
45	IR -	164	45	52	40
	IR -	117	45	55	20
	IR -	130	45	55	22
46	IR -	62.6	50	55	20
	IR -	64.1	50	55	20.5
	IR -	77.8	50	55	25
47	IR -	112	50	55	35
	IR -	115	50	58	22
	IR -	119	50	58	23
48	IR -	209	50	58	40
	IR -	129	50	60	20
	IR -	163	50	60	25
49	IR -	183	50	60	28

8) Foro di lubrificazione di serie - With lubrication hole.
Dove non indicato disponibili a richiesta anche con foro di lubrificazione - Where it is not specified, under request available also with lubrication hole
1) Media tra diametro maggiore e minore - Average between bigger and smaller diameter.

8) Foro di lubrificazione di serie - With lubrication hole.
Dove non indicato disponibili a richiesta anche con foro di lubrificazione - Where it is not specified, under request available also with lubrication hole
1) Media tra diametro maggiore e minore - Average between bigger and smaller diameter.



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)		
			d	F	B
55	IR -	86	55	60	25
	IR -	121	55	60	35
	IR -	141	55	63	25
	IR -	256	55	63	45
	IR -	198	55	65	28
60	IR -	152	60	68	25
	IR -	213	60	68	35
	IR -	275	60	68	45
	IR -	195	60	70	25
	IR -	216	60	70	28
65	IR -	496	60	70	60
	IR -	142	65	72	25
	IR -	259	65	72	45
	IR -	164	65	73	25
	IR -	232	65	73	35
70	IR -	99	65	75	12
	IR -	230	65	75	28
	IR -	224	70	80	25
	IR -	253	70	80	28
	IR -	267	70	80	30
75	IR -	313	70	80	35
	IR -	487	70	80	54
	IR -	506	70	80	56
	IR -	548	70	80	60
	IR -	238	75	85	25
80	IR -	287	75	85	30
	IR -	336	75	85	35
	IR -	520	75	85	54
	IR -	254	80	90	25
	IR -	304	80	90	30
85	IR -	355	80	90	35
	IR -	550	80	90	54
	IR -	280	85	95	26
	IR -	390	85	95	36
	IR -	580	85	100	35
90	IR -	1 050	85	100	63
	IR -	294	90	100	26
90	IR -	340	90	100	30

Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)		
			d	F	B
90	IR -	406	90	100	36
	IR -	610	90	105	35
	IR -	1 110	90	105	63
95	IR -	313	95	105	26
	IR -	430	95	105	36
	IR -	643	95	110	35
100	IR -	1 170	95	110	63
	IR -	370	100	110	30
	IR -	505	100	110	40
110	IR -	775	100	115	40
	IR -	409	110	120	30
	IR -	690	110	120	40
120	IR -	840	110	125	40
	IR -	442	120	130	30
	IR -	815	120	135	35
130	IR -	1 000	120	135	45
	IR -	855	130	145	35
	IR -	1 690	130	150	50
140	IR -	412	140	155	32
	IR -	917	140	155	35
	IR -	1 800	140	160	50
150	IR -	1 120	150	165	40
160	IR -	1 200	160	175	40
170	IR -	1 450	170	185	45
180	IR -	1 510	180	195	45
190	IR -	2 410	190	210	50
200	IR -	2 490	200	220	50
220	IR -	2 750	220	240	50
240	IR -	4 600	240	265	60
260	IR -	4 980	260	285	60
280	IR -	6 100	280	305	69
300	IR -	9 200	300	330	80
320	IR -	9 800	320	350	80
340	IR -	10 200	340	370	80
360	IR -	10 900	360	390	80
380	IR -	17 000	380	415	100

Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation		Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Torsione Torgue Md amm Nm	Velocità limite ¹⁾ Limiting speed		Astucci a rullini utilizzabili come supporto radiale Suitable drawn cup needle roller bearing
	Molla in acciaio Steel Spring	Molla in plastica Plastic Spring		Fw	D	C -0,3	r min.		n _{GW} ²⁾ min ⁻¹	n _{GA} ³⁾ min ⁻¹	
3	-	HF 0306 KF	1	3	6.5	6	0.3	0.18	45 000	8 000	HK 0306 TN
	-	HF 0306 KFR	1	3	6.5	6	0.3	0.06	45 000	8 000	HK 0306 TN
4	-	HF 0406 KF	1	4	8	6	0.3	0.34	34 000	8 000	HK 0408
	-	HF 0406 KFR	1	4	8	6	0.3	0.1	34 000	8 000	HK 0408
6	HF 0612	HF 0612 KF	3	6	10	12	0.3	1.76	23 000	13 000	HK 0608
	HF 0612 R	HF 0612 KFR	3	6	10	12	0.3	0.6	23 000	13 000	HK 0608
8	HF 0812	HF 0812 KF	3.5	8	12	12	0.3	3.15	17 000	12 000	HK 0808
	HF 0812 R	HF 0812 KFR	3.5	8	12	12	0.3	1	17 000	12 000	HK 0808
10	HF 1012	HF 1012 KF	4	10	14	12	0.3	5.3	14 000	11 000	HK 1010
12	HF 1216	-	11	12	18	16	0.3	12.2	11 000	8 000	HK 1212
14	HF 1416	-	13	14	20	16	0.3	17.3	9 500	8 000	HK 1412
16	HF 1616	-	14	16	22	16	0.3	20.5	8 500	7 500	HK 1612
18	HF 1816	-	16	18	24	16	0.3	24.1	7 500	7 500	HK 1812
20	HF 2016	-	17	20	26	16	0.3	28.5	7 000	6 500	HK 2010
25	HF 2520	-	30	25	32	20	0.3	66	5 500	5 500	HK 2512
30	HF 3020	-	36	30	37	20	0.3	90	4 500	4 500	HK 3012
35	HF 3520	-	40	35	42	20	0.3	121	3 900	3 900	HK 3512

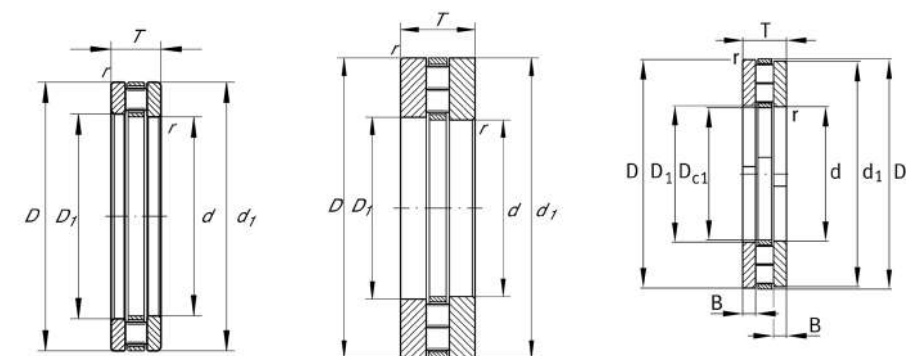
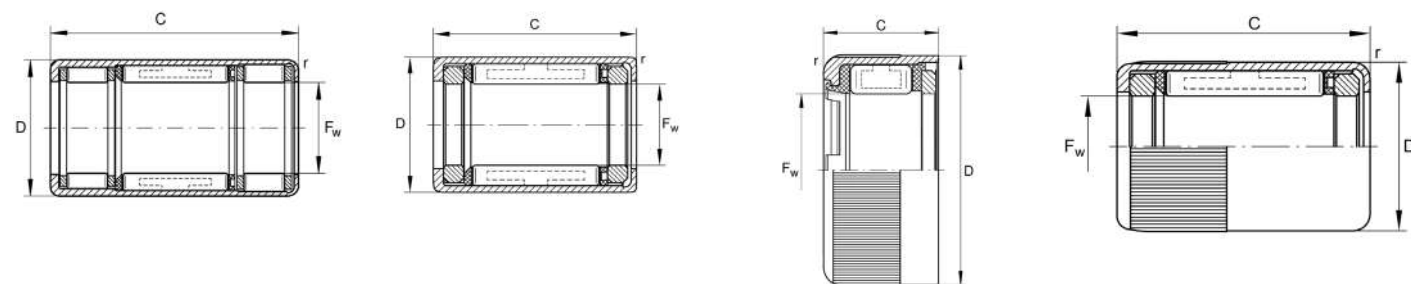
1) I numeri di giri limite valgono per lubrificazione a grasso e ad olio - Number of limiting revolutions are valid for both grease and oil lubrication.

2) Numero di giri limite per albero rotante - Number of limiting revolutions for rotating shaft.

3) Numero di giri limite per anello esterno rotante - Number of limiting revolutions for outer rotating ring.

Ulteriori misure in esecuzione speciale disponibili solo su specifica richiesta - Other sizes in special executions (available only under request)

□ Foro di lubrificazione di serie - With lubrication hole.
Dove non indicato disponibili a richiesta anche con foro di lubrificazione - Where it is not specified, under request available also with lubrication hole
1) Media tra diametro maggiore e minore - Average between bigger and smaller diameter.



Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation		Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Torsione Torgue Md amm Nm	Velocità limite ¹ Limiting speed		Coefficienti di carico Basic load ratings	
	Molla in acciaio Steel Spring	Molla in plastica Plastic Spring		Fw	D	C -0,3	r min.		n _{GW} ² min ⁻¹	n _{GA} ³ min ⁻¹	din. C dyn. C N	stat. Q stat. Q N
3	-	HFL 0308 KF	1.4	3	6.5	8	0.3	0.18	45 000	8 000	-	-
	-	HFL 0308 KFR	1.4	3	6.5	8	0.3	0.06	45 000	8 000	-	-
4	-	HFL 0408 KF	1.6	4	8	8	0.3	0.34	34 000	8 000	-	-
	-	HFL 0408 KFR	1.6	4	8	8	0.3	0.1	34 000	8 000	-	-
6	-	HFL 0606 KFR	1	6	10	6	0.3	0.5	23 000	13 000	-	-
	HFL 0615	HFL 0615 KF	4	6	10	15	0.3	1.76	23 000	13 000	-	-
	HFL 0615 R	HFL 0615 KFR	4	6	10	15	0.3	0.60	23 000	13 000	-	-
8	-	HFL 0806 KFR	2	8	12	6	0.3	0.7	17 000	12 000	-	-
	HFL 0822	HFL 0822 KF	7	8	12	22	0.3	3.15	17 000	12 000	3 650	3 950
	HFL 0822 R	HFL 0822 KFR	7	8	12	22	0.3	1	17 000	12 000	3 650	3 950
10	HFL 1022	-	8	10	14	22	0.3	5.3	14 000	11 000	3 950	4 500
12	HFL 1226	-	18	12	18	26	0.3	12.2	11 000	8 000	6 300	6 700
14	HFL 1426	-	20	14	20	26	0.3	17.3	9 500	8 000	6 800	7 800
16	HFL 1626	-	22	16	22	26	0.3	20.5	8 500	7 500	7 400	9 000
18	HFL 1826	-	25	18	24	26	0.3	24.1	7 500	7 500	8 000	10 200
20	HFL 2026	-	27	20	26	26	0.3	28.5	7 000	6 500	8 500	11 400
25	HFL 2530	-	44	25	32	30	0.3	66	5 500	5 500	10 600	14 000
30	HFL 3030	-	51	30	37	30	0.3	90	4 500	4 500	11 600	16 900
35	HFL 3530	-	58	35	42	30	0.3	121	3 900	3 900	12 200	18 800

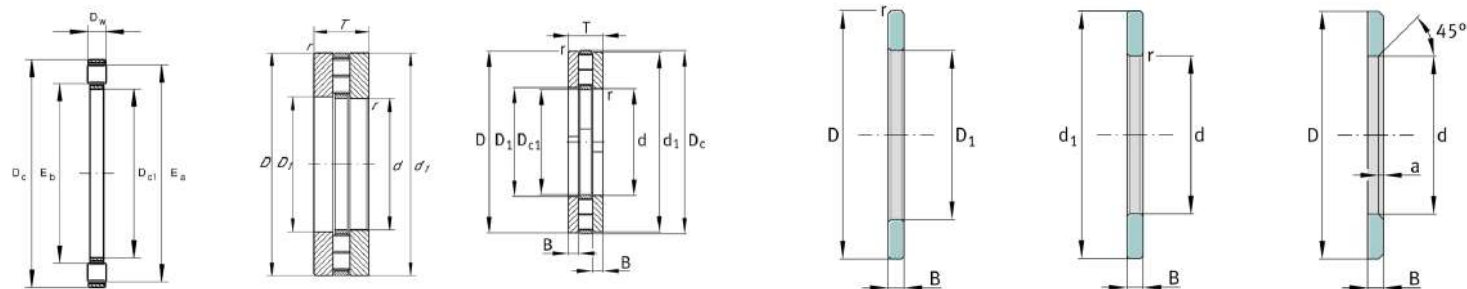
1) I numeri di giri limite valgono per lubrificazione a grasso e ad olio - Number of limiting revolutions are valid for both grease and oil lubrication.

2) Numero di giri limite per albero rotante - Number of limiting revolutions for rotating shaft.

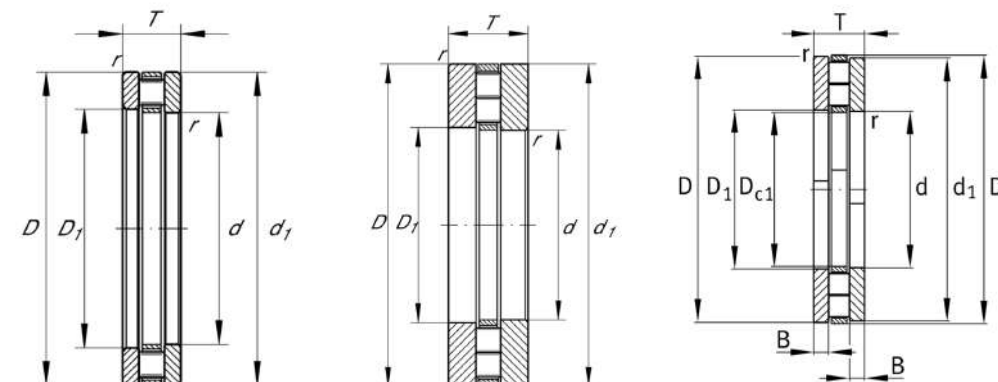
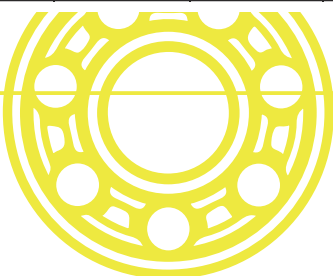
3) Numero di giri limite per anello esterno rotante - Number of limiting revolutions for outer rotating ring.

Ulteriori misure in esecuzione speciale disponibili solo su specifica richiesta - Other sizes in special executions (available only under request)

Cuscinetti assiali a rulli cilindrici Axial cylindrical roller bearings						Gabbie assiali a rulli cilindrici Axial cylindrical roller		Ralle per cuscinetti assiali Axial bearing washers			
Diametro albero (mm) Shaft diameter (mm)	Sigla - Designation				Peso (g) Weight (g)	Sigla Designation	Peso (g) Weight (g)	Ralle per alloggiamento Housing locating washers	Ralle per albero Shaft locating washers	Ralle di rotolamento Bearing washers	Peso (g) Weight (g)
	Serie 811 811 Series	Serie 812 812 Series	Serie 893 893 Series	Serie 894 894 Series							
15	811 02 TN				24	K811 02 TN	6	GS811 02	WS811 02	LS1528	8
17	811 03 TN				27	K811 03 TN	9	GS811 03	WS811 03	LS1730	9
20	811 04 TN				37	K811 04 TN	13	GS811 04	WS811 04	LS2035	12
25	811 05 TN				53	K811 05 TN	15	GS811 05	WS811 05	LS2542	19
30	811 06 TN				57	K811 06 TN	17	GS811 06	WS811 06	LS3047	20
		812 06 TN			123	K812 06 TN	33	GS812 06	WS812 06	—	45
			893 06 TN		240	K893 06 TN	40	GS893 06	WS893 06	—	95
35	811 07 TN				73	K811 07 TN	19	GS811 07	WS811 07	LS3552	27
		812 07 TN			195	K812 07 TN	43	GS812 07	WS812 07	—	76
			893 07 TN		340	K893 07 TN	53	GS893 07	WS893 07	—	134
40	811 08 TN				105	K811 08 TN	31	GS811 08	WS811 08	LS4060	37
		812 08 TN			249	K812 08 TN	81	GS812 08	WS812 08	—	84
			893 08 TN		484	K893 08 TN	98	GS893 08	WS893 08	—	193
45	811 09 TN				130	K811 09 TN	35	GS811 09	WS811 09	LS4565	47
		812 09 TN			287	K812 09 TN	85	GS812 09	WS812 09	—	101
			893 09 TN		615	K893 09 TN	121	GS893 09	WS893 09	—	247
50	811 10 TN				140	K811 10 TN	38	GS811 10	WS811 10	LS5070	51
		812 10 TN			356	K812 10 TN	98	GS812 10	WS812 10	—	129
			893 10 TN		887	K893 10 TN	175	GS893 10	WS893 10	—	356
55	811 11 TN				218	K811 11 TN	45	GS811 11	WS811 11	LS5578	82
		812 11 TN			568	K812 11 TN	166	GS812 11	WS812 11	—	201
			893 11 TN		118	K893 11 TN	195	GS893 11	WS893 11	—	485
60	811 12 TN				266	K811 12 TN	82	GS811 12	WS811 12	LS6085	92
		812 12 TN			642	K812 12 TN	176	GS812 12	WS812 12	—	233
			893 12 TN		126	K893 12 TN	210	GS893 12	WS893 12	—	517
				894 12 TN	2 818	K894 12 TN	538	GS894 12	WS894 12	—	1 115

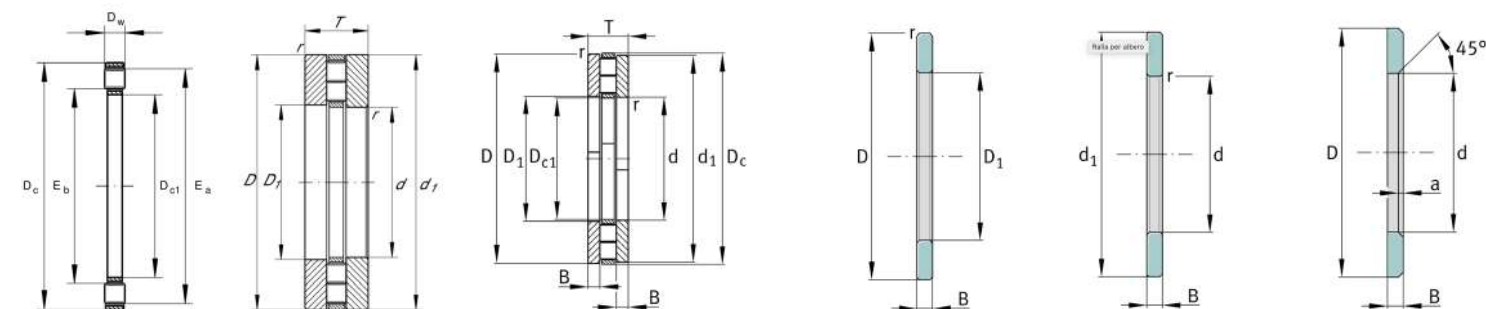


Dimensioni (mm) Dimensions (mm)							Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
D _{c1} d	D ₁	D D _c	d ₁	T	D _w	B	Dinamico C Dynamic C	Statico C ₀ Static C ₀	Olio (N. giri max) Oil (max rpm)
15	16	28	28	9	3.5	2.75	13 500	28 000	12 350
17	18	30	30	9	3.5	2.75	15 100	32 900	11 400
20	21	35	35	10	4.5	2.75	23 700	52 600	9 500
25	26	42	42	11	5	3	32 900	72 000	8 000
30	32	47	47	11	5	3	34 800	85 000	7 100
30	32	52	52	16	7.5	4.25	63 500	139 000	6 650
30	32	60	60	18	5.5	6.25	67 900	188 500	6 200
35	37	52	52	12	5	3.5	38 500	100 900	6 200
35	37	62	62	18	7.5	5.25	79 800	198 100	5 700
35	37	68	68	20	6	7	79 800	236 500	5 200
40	42	60	60	13	6	3.5	55 000	147 500	5 700
40	42	68	68	19	9	5	106 500	264 600	5 200
40	42	78	78	22	7	7.5	119 000	384 500	4 700
45	47	65	65	14	6	4	58 500	162 500	4 750
45	47	73	73	20	9	5.5	104 500	264 100	4 700
45	47	85	85	24	7.5	8.25	138 500	439 000	4 200
50	52	70	70	14	6	4	60 700	167 000	4 500
50	52	78	78	22	9	6.5	106 000	309 000	4 300
50	52	95	95	27	8	9.5	166 500	557 900	3 800
55	57	78	78	16	6	5	87 900	298 700	4 100
55	57	90	90	25	11	7	153 100	404 500	3 800
55	57	105	105	30	9	10.5	183 200	599 800	3 500
60	62	85	85	17	7.5	4.75	102 100	309 500	3 800
60	62	95	95	26	11	7.5	171 100	478 000	3 500
60	62	110	110	30	9	10.5	195 100	669 800	3 200
60	62	130	130	42	14	14	388 000	1 219 500	2 850

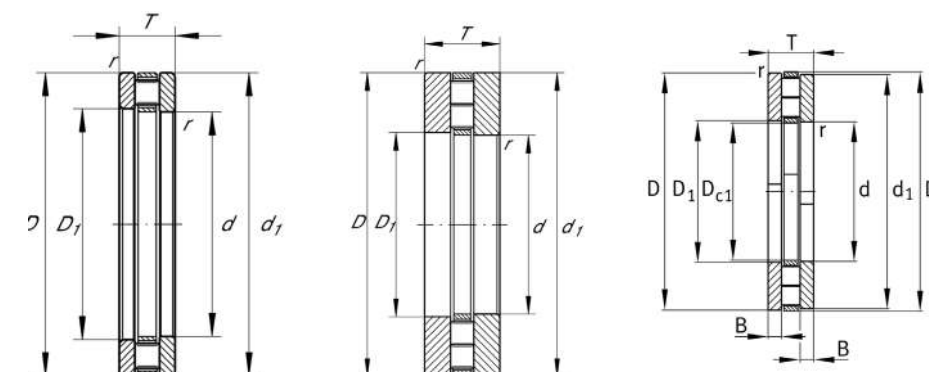


Cuscinetti assiali a rulli cilindrici Axial cylindrical roller bearings						Gabbie assiali a rulli cilindrici Axial cylindrical roller		Ralle per cuscinetti assiali Axial bearing washers			
Diametro albero (mm) Shaft diameter (mm)	Sigla - Designation				Peso (g) Weight (g)	Sigla Designation	Peso (g) Weight (g)	Ralle per alloggiamento Housing locating washers	Ralle per albero Shaft locating washers	Ralle di rotolamento Bearing washers	Peso (g) Weight (g)
	Serie 811 811 Series	Serie 812 812 Series	Serie 893 893 Series	Serie 894 894 Series							
65	811 13 TN				310	K811 13 TN	90	GS811 13	WS811 13	LS 6590	110
		812 13 TN			721	K812 13 TN	185	GS812 13	WS812 13	—	268
			893 13 TN		1 330	K893 13 TN	210	GS893 13	WS893 13	—	535
				894 13 TN	3 520	K894 13 TN	720	GS894 13	WS894 13	—	1 400
70	811 14 TN				332	K811 14 TN	92	GS811 14	WS811 14	LS 7095	120
		812 14 TN			768	K812 14 TN	212	GS812 14	WS812 14	—	278
			893 14 TN		1 820	K893 14 TN	290	GS893 14	WS893 14	—	800
				894 14 TN	4 180	K894 14 TN	920	GS894 14	WS894 14	—	1 730
75	811 15 TN				393	K811 15 TN	96	GS811 15	WS811 15	LS 75100	136
		812 15 TN			800	K812 15 TN	195	GS812 15	WS812 15	—	293
			893 15 TN		2 230	K893 15 TN	375	GS893 15	WS893 15	—	970
				894 15-M	5 250	K894 15-M	1 070	GS894 15	WS894 15	—	2 090
80	811 16 TN				400	K811 16 TN	95	GS811 16	WS811 16	LS 80105	144
		812 16 TN			900	K812 16 TN	234	GS812 16	WS812 16	—	333
			893 16 TN		2 370	K893 16 TN	420	GS893 16	WS893 16	—	1 020
				894 16-M	6 410	K894 16-M	1 410	GS894 16	WS894 16	—	2 500
85	811 17 TN				420	K811 17 TN	118	GS811 17	WS811 17	LS 85110	151
		812 17 TN			1 260	K812 17 TN	280	GS812 17	WS812 17	—	490
			893 17-M		3 000	K893 17-M	540	GS893 17	WS893 17	—	1 230
				894 17-M	7 550	K894 17-M	1 610	GS894 17	WS894 17	—	2 970
90	811 18 TN				620	K811 18 TN	150	GS811 18	WS811 18	LS 90120	225
		812 18 TN			1 770	K812 18 TN	542	GS812 18	WS812 18	—	614
			893 18-M		3 280	K893 18-M	620	GS893 18	WS893 18	—	1 330
				894 18-M	8 770	K894 18-M	1 870	GS894 18	WS894 18	—	3 450
100	811 20 TN				950	K811 20 TN	250	GS811 20	WS811 20	LS 100135	350
		812 20			2 200	K812 20	600	GS812 20	WS812 20	—	800
			893 20-M		4 190	K893 20-M	810	GS893 20	WS893 20	—	1 690
				894 20-M	11 900	K894 20-M	2 400	GS894 20	WS894 20	—	4 750

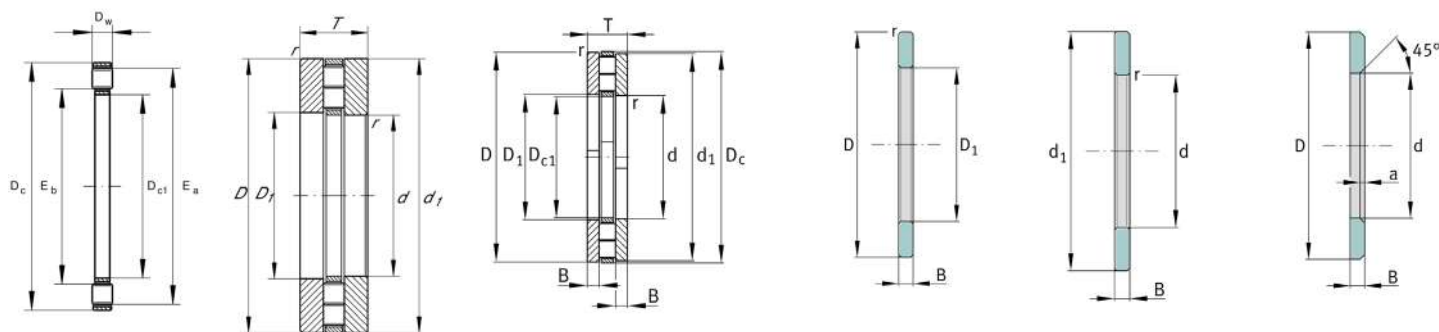




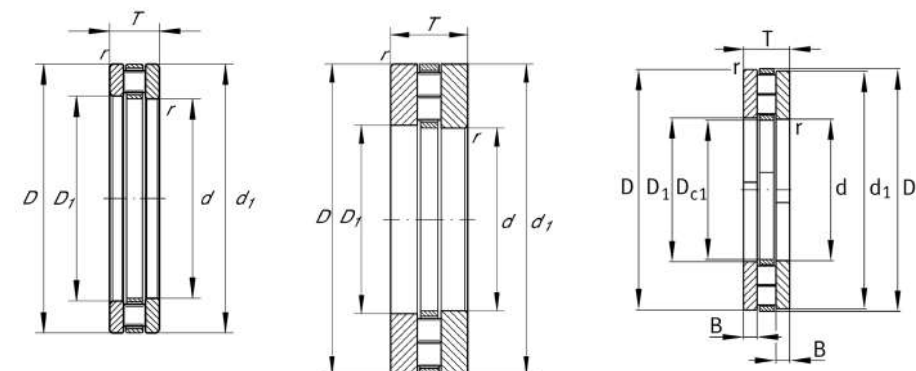
Dimensioni (mm) Dimensions (mm)							Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
D _{c1} d	D ₁	D D _c	d ₁	T	D _w	B	Dinamico C Dynamic C	Statico C ₀ Static C ₀	Olio (N. giri max) Oil (max rpm)
65	67	90	90	18	7.5	5.25	106 500	339 500	3 500
65	67	100	100	27	11	8	176 800	499 500	3 300
65	67	115	115	30	9	10.5	193 500	667 900	3 000
65	68	140	140	45	15	15	444 000	1 396 000	2 700
70	72	95	95	18	7.5	5.25	110 800	364 500	3 300
70	72	105	105	27	11	8	186 000	549 700	3 100
70	72	125	125	34	10	12	238 500	829 600	2 850
70	73	150	150	48	16	16	449 800	1 389 500	2 500
75	77	100	100	19	7.5	5.75	104 500	339 600	3 100
75	77	110	110	27	11	8	171 500	498 700	2 900
75	77	135	135	36	11	12.5	284 800	1 009 000	2 600
75	78	160	160	51	17	17	499 600	1 579 800	2 350
80	82	105	105	19	7.5	5.75	105 800	348 800	2 900
80	82	115	115	28	11	8.5	200 600	629 600	2 850
80	82	140	140	36	11	12.5	304 500	1 109 800	2 500
80	83	170	170	54	18	18	559 600	1 769 500	2 200
85	87	110	110	19	7.5	5.75	111 900	369 600	2 850
85	88	125	125	31	12	9.5	216 500	659 700	2 600
85	88	150	150	39	12	13.5	324 600	1 099 600	2 400
85	88	180	180	58	19	19.5	619 500	1 979 800	2 100
90	92	120	120	22	9	6.5	140 600	459 000	2 550
90	93	135	135	35	14	10.5	288 900	886 900	2 450
90	93	155	155	39	12	13.5	329 500	1 199 400	2 300
90	93	190	190	60	20	20	678 900	2 199 600	2 000
100	102	135	135	25	11	7	197 000	649 800	2 400
100	103	150	150	38	15	11.5	279 800	839 600	2 200
100	103	170	170	42	13	14.5	379 500	1 399 500	2 000
100	103	210	210	67	22	22.5	849 000	2 847 900	1 800



Cuscinetti assiali a rulli cilindrici Axial cylindrical roller bearings						Gabbie assiali a rulli cilindrici Axial cylindrical roller		Ralle per cuscinetti assiali Axial bearing washers			
Diametro albero (mm) Shaft diameter (mm)	Sigla - Designation				Peso (g) Weight (g)	Sigla Designation	Peso (g) Weight (g)	Ralle per alloggiamento Housing locating washers	Ralle per albero Shaft locating washers	Ralle di rotolamento Bearing washers	Peso (g) Weight (g)
	Serie 811 811 Series	Serie 812 812 Series	Serie 893 893 Series	Serie 894 894 Series							
110	811 22 TN				1 040	K811 22 TN	270	GS811 22	WS811 22	LS 110145	385
		812 22 TN			2 445	K812 22 TN	685	GS812 22	WS812 22	—	880
			893 22 - M		6 030	K893 22 - M	1 150	GS893 22	WS893 22	—	2 440
				894 22 - M	15 600	K894 22 - M	3 300	GS894 22	WS894 22	—	6 150
120	811 24 TN				1 170	K811 24 TN	340	GS811 24	WS811 24	LS 120155	415
		812 24 TN			2 690	K812 24 TN	730	GS812 24	WS812 24	—	980
			893 24 - M		8 520	K893 24 - M	1 720	GS893 24	WS893 24	—	3 400
				894 24 - M	19 700	K894 24 - M	4 300	GS894 24	WS894 24	—	7 700
130	811 26 TN				1 700	K811 26 TN	414	GS811 26	WS811 26	LS 130170	643
		812 26 TN			4 204	K812 26 TN	1 144	GS812 26	WS812 26	—	1 530
			893 26 - M		10 000	K893 26 - M	1 910	GS893 26	WS893 26	—	4 045
				894 26 - M	24 000	K894 26 - M	5 000	GS894 26	WS894 26	—	9 500
140	811 28 TN				1 946	K811 28 TN	448	GS811 28	WS811 28	LS 140180	749
		812 28 - M			4 567	K812 28 - M	1 197	GS812 28	WS812 28	—	1 635
			893 28 - M		11 990	K893 28 - M	2 390	GS893 28	WS893 28	—	4 800
				894 28 - M	27 200	K894 28 - M	6 000	GS894 28	WS894 28	—	10 600
150	811 30 TN				2 066	K811 30 TN	474	GS811 30	WS811 30	LS 150190	796
		812 30 - M			5 886	K812 30 TN	1 520	GS812 30	WS812 30	—	2 180
			893 30 - M		12 630	K893 30 - M	2 510	GS893 30	WS893 30	—	5 060
				894 30 - M	32 100	K894 30 - M	7 100	GS894 30	WS894 30	—	12 500
160	811 32 TN				2 189	K811 32 TN	505	GS811 32	WS811 32	LS 160200	842
		812 32 - M			6 203	K812 32 - M	1 603	GS812 32	WS812 32	—	2 300
			894 32 - M		38 200	K894 32 - M	8 600	GS894 32	WS894 32	—	14 800
170	811 34 TN				2 950	K811 34 TN	750	GS811 34	WS811 34	—	1 100
		812 34 - M			7 690	K812 34 - M	1 890	GS812 34	WS812 34	—	2 900
			894 34 - M		47 200	K894 34 - M	10 200	GS894 34	WS894 34	—	18 500

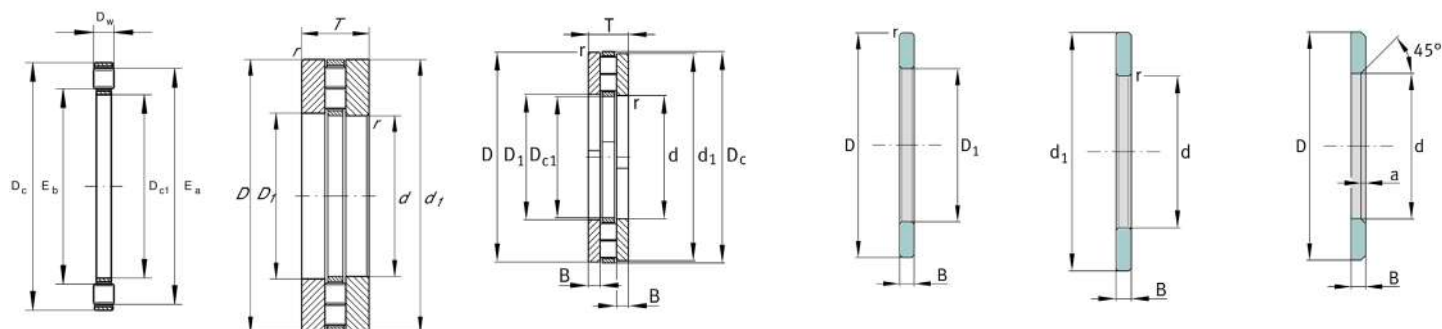


Dimensioni (mm) Dimensions (mm)							Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
D _{c1} d	D ₁	D D _c	d ₁	T	D _w	B	Dinamico C Dynamic C	Statico C ₀ Static C ₀	Olio (N. giri max) Oil (max rpm)
110	112	145	145	25	11	7	206 850	699 200	2 200
110	113	160	160	38	15	11.5	299 800	939 700	2 000
110	113	190	190	48	15	16.5	499 500	1 867 900	1 800
110	113	230	230	73	24	24.5	998 500	3 397 800	1 600
120	122	155	155	25	11	7	202 700	698 900	2 000
120	123	170	170	39	15	12	309 600	979 600	1 900
120	123	210	210	54	17	18.5	639 500	2 417 600	1 600
120	123	250	250	78	26	26	1 159 500	3 987 900	1 500
130	132	170	170	30	12	9	232 700	809 600	1 800
130	133	190	187	45	19	13	424 500	1 287 900	1 700
130	134	225	225	58	18	20	709 600	2 697 900	1 500
130	134	270	270	85	28	28.5	1 329 700	4 599 800	1 350
140	142	180	178	31	12	9.5	241 800	865 900	1 700
140	143	200	197	46	19	13.5	444 500	1 449 700	1 600
140	144	240	240	60	19	20.5	819 700	3 198 900	1 400
140	144	280	280	85	28	28.5	1 379 600	4 949 800	1 300
150	152	190	188	31	12	9.5	249 600	929 700	1 600
150	153	215	212	50	21	14.5	589 600	1 938 900	1 500
150	154	250	250	60	19	20.5	837 900	3 347 900	1 300
150	154	300	300	90	30	30	1 569 500	5 698 900	1 200
160	162	200	198	31	12	9.5	259 600	989 600	1 500
160	163	225	222	51	21	15	599 500	2 028 900	1 400
160	164	320	320	95	32	31.5	1 778 600	6 498 800	1 100
170	172	215	213	34	14	10	324 600	1 215 700	1 400
170	173	240	237	55	22	16.5	679 900	2 339 500	1 300
170	174	340	340	103	34	34.5	1 989 900	7 399 850	1 000

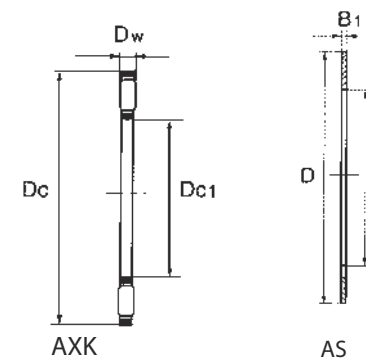


Cuscinetti assiali a rulli cilindrici Axial cylindrical roller bearings						Gabbie assiali a rulli cilindrici Axial cylindrical roller		Ralle per cuscinetti assiali Axial bearing washers		
Diametro albero (mm) Shaft diameter (mm)	Sigla - Designation				Peso (g) Weight (g)	Sigla Designation	Peso (g) Weight (g)	Ralle per alloggiamento Housing locating washers	Ralle per albero Shaft locating washers	Peso (g) Weight (g)
	Serie 811 811 Series	Serie 812 812 Series	Serie 893 893 Series	Serie 894 894 Series						
180	811 36 - M				3 040	K811 36 - M	800	GS811 36	WS811 36	1 120
		812 36 - M			8 240	K812 36 - M	1 980	GS812 36	WS812 36	3 130
				894 36 - M	54 800	K894 36 - M	12 200	GS894 36	WS894 36	21 300
190	811 38 - M				3 840	K811 38 - M	940	GS811 38	WS811 38	1 450
		812 38 - M			10 400	K812 38 - M	2 730	GS812 38	WS812 38	3 835
				894 38 - M	65 700	K894 38 - M	14 500	GS894 38	WS894 38	25 600
200	811 40 - M				4 000	K811 40 - M	980	GS811 40	WS811 40	1 510
		812 40 - M			11 910	K812 40 - M	3 090	GS812 40	WS812 40	4 410
				894 40 - M	74 800	K894 40 - M	16 200	GS894 40	WS894 40	29 300
220	811 44 - M				4 500	K811 44 - M	1 320	GS811 44	WS811 44	1 590
		812 44 - M			12 850	K812 44 - M	3 350	GS812 44	WS812 44	4 750
				894 44 - M	82 000	K894 44 - M	17 600	GS894 44	WS894 44	32 200
240	811 48 - M				7 250	K811 48 - M	2 110	GS811 48	WS811 48	2 570
		812 48 - M			21 950	K812 48 - M	5 650	GS812 48	WS812 48	8 150
				894 48 - M	87 800	K894 48 - M	19 200	GS894 48	WS894 48	34 300
260	811 52 - M				7 830	K811 52 - M	2 300	GS811 52	WS811 52	2 765
		812 52 - M			23 900	K812 52 - M	6 100	GS812 52	WS812 52	8 900
				894 52 - M	114 000	K894 52 - M	25 500	GS894 52	WS894 52	44 250
280	811 56 - M				10 300	K811 56 - M	3 000	GS811 56	WS811 56	3 650
		812 56 - M			25 900	K812 56 - M	6 400	GS812 56	WS812 56	9 750
				894 56 - M	142 000	K894 56 - M	30 800	GS894 56	WS894 56	55 600
300	811 60 - M				16 670	K811 60 - M	4 830	GS811 60	WS811 60	5 920
		812 60 - M			40 550	K812 60 - M	10 150	GS812 60	WS812 60	15 200
				894 60 - M	153 000	K894 60 - M	32 700	GS894 60	WS894 60	80 150
320	811 64 - M				17 820	K811 64 - M	5 120	GS811 64	WS811 64	6 350
				894 64 - M	42 600	K894 64 - M	10 700	GS894 64	WS894 64	15 950
340	811 68				19 450	K811 68 - M	5 510	GS811 68	WS811 68	6 970
		812 68			46 750	K812 68 - M	11 250	GS812 68	WS812 68	17 750
360	811 72				19 500	K811 72 - M	5 550	GS811 72	WS811 72	6 975
		812 72			65 650	K812 72 - M	17 250	GS812 72	WS812 72	24 200

= Disponibile su richiesta / Available under request



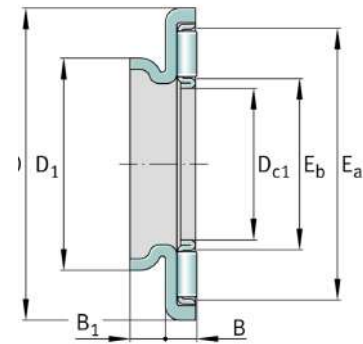
Dimensioni (mm) Dimensions (mm)							Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
D _{c1} d	D ₁	D D _c	d ₁	T	D _w	B	Dinamico C Dynamic C	Statico C ₀ Static C ₀	Olio (N. giri max) Oil (max rpm)
180	183	225	222	34	14	10	339 600	1 299 700	1 300
180	183	250	247	56	22	17	689 780	2 439 500	1 200
180	184	360	360	109	36	36.5	2 200 400	8 199 300	1 000
190	193	240	237	37	15	11	384 700	1 498 900	1 200
190	194	270	267	62	26	18	879 300	2 998 900	1 200
190	195	380	380	115	38	38.5	2 449 400	9 198 300	950
200	203	250	247	37	15	11	394 650	1 549 300	1 200
200	204	280	277	62	26	18	899 700	3 149 150	1 100
200	205	400	400	122	40	41	2 699 100	10 198 500	900
220	223	270	267	37	15	11	419 780	1 729 635	1 100
220	224	300	297	63	26	18.5	939 960	3 449 750	1 000
220	225	420	420	122	40	41	2 899 100	11 499 890	850
240	243	300	297	45	18	13.5	599 850	2 498 800	1 000
240	244	340	335	78	32	23	1 369 600	4 999 100	950
240	245	440	440	122	40	41	2 995 900	12 189 900	800
260	263	320	317	45	18	13.5	619 400	2 649 700	950
260	264	360	355	79	32	23.5	1 439 500	5 398 900	900
260	265	480	480	132	44	44	3 548 860	14 599 850	750
280	283	350	347	53	22	15.5	859 000	3 649 750	850
280	284	380	375	80	32	24	1 450 000	5 595 000	800
280	285	520	520	145	48	48.5	4 190 600	17 399 000	650
300	304	380	376	62	25	18.5	1 050 000	4 495 000	800
300	304	420	415	95	38	28.5	1 920 000	7 298 500	750
300	305	540	540	145	48	48.5	4 298 950	18 300 000	650
320	324	400	396	63	25	19	1 050 500	4 7000 000	750
320	325	580	575	155	68	43.5	1 959 600	7 592 900	700
340	344	420	416	64	25	19.5	1 128 500	4 998 600	700
340	345	460	455	96	38	29	2 058 900	8 299 000	650
360	364	440	436	65	25	20	1 139 500	5 099 900	650
360	365	500	495	110	45	32.5	2 690 600	10 595 000	600



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Ralla assiale Axial Bearing Washer	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed
					Dc1/d	Dc/D	Dw	B ₁	Dinamico C Dynamic C	Statico C ₀ Static C ₀	Olio (N. giri max) Oil (max rpm)
4	AXK 0414 TN	0.7	AS 0414	1	4	14	2	1	4 380	7 500	20 000
5	AXK 0515 TN	0.8	AS 0515	1	5	15	2	1	4 680	9 100	20 000
6	AXK 0619 TN	1	AS 0619	2	6	19	2	1	6 740	15 400	18 000
8	AXK 0821 TN	2	AS 0821	2	8	21	2	1	7 750	19 000	17 000
10	AXK 1024	3	AS 1024	3	10	24	2	1	9 150	24 500	16 000
12	AXK 1226	3	AS 1226	3	12	26	2	1	9 860	28 600	14 250
15	AXK 1528	4	AS 1528	3	15	28	2	1	11 200	35 500	12 350
17	AXK 1730	4	AS 1730	4	17	30	2	1	11 800	38 600	11 400
20	AXK 2035	5	AS 2035	5	20	35	2	1	12 900	45 600	9 500
25	AXK 2542	7	AS 2542	7	25	42	2	1	13 800	57 800	8 000
30	AXK 3047	8	AS 3047	8	30	47	2	1	15 600	69 500	6 500
35	AXK 3552	10	AS 3552	9	35	52	2	1	16 900	80 100	6 100
40	AXK 4060	16	AS 4060	12	40	60	3	1	27 500	113 500	5 700
45	AXK 4565	18	AS 4565	13	45	65	3	1	29 050	127 600	4 750
50	AXK 5070	20	AS 5070	14	50	70	3	1	31 500	138 500	4 500
55	AXK 5578	28	AS 5578	18	55	78	3	1	37 400	185 000	4 100
60	AXK 6085	33	AS 6085	22	60	85	3	1	43 900	232 500	3 800
65	AXK 6590	35	AS 6590	24	65	90	3	1	45 800	254 600	3 500
70	AXK 7095	60	AS 7095	25	70	95	4	1	53 600	254 600	3 300
75	AXK 75100	61	AS 75100	27	75	100	4	1	54 500	264 500	3 100
80	AXK 80105	63	AS 80105	28	80	105	4	1	55 600	278 500	2 900
85	AXK 85110	67	AS 85110	29	85	110	4	1	57 500	275 000	2 850
90	AXK 90120	86	AS 90120	39	90	120	4	1	72 500	401 000	2 500
100	AXK 100135	104	AS 100135	50	100	135	4	1	90 500	559 500	2 400
110	AXK 110145	122	AS 110145	55	110	145	4	1	96 500	617 500	2 200
120	AXK 120155	131	AS 120155	59	120	155	4	1	101 500	679 000	2 000
130	AXK 130170	205	AS 130170	65	130	170	5	1	132 400	838 900	1 800
140	AXK 140180	219	AS 140180	79	140	180	5	1	137 200	899 000	1 700
150	AXK 150190	232	AS 150190	84	150	190	5	1	142 800	959 000	1 600
160	AXK 160200	246	AS 160200	89	160	200	5	1	147 600	1 015 000	1 500

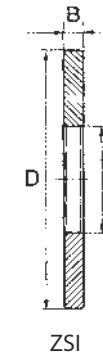
TN= Gabbia in materiale plastico, temperatura di funzionamento ammessa: 80°C (continuativi).
 TN= Plastic cage; temperature allowed: 80°C. (continuous working).

Lubrificazione con grasso: 25% in meno dei valori indicati in tabella.
 Grease lubrication: less 25% of value indicated in tables.



Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)					Coefficienti di carico (N) Basic load ratings (N)		Velocità limite Limiting Speed Olio (N. giri max) Oil (max rpm)
			Dc1	D1	D	B	B1	Dinamico C Dynamic C	Statico C0 Static C0	
10	AXW 10	8.3	10	14	27	3.2	3	9 100	24 000	15 200
12	AXW 12	9.1	12	16	29	3.2	3	9 400	27 800	13 300
15	AXW 15	10.1	15	21	31	3.2	3.5	10 500	35 000	12 350
17	AXW 17	11	17	23	33	3.2	3.5	11 300	38 800	11 400
20	AXW 20	14	20	26	38	3.2	3.5	12 700	45 600	10 000
25	AXW 25	19.5	25	32	45	3.2	4	13 900	57 500	7 600
30	AXW 30	22	30	37	50	3.2	4	15 900	69 500	6 650
35	AXW 35	26.6	35	42	55	3.2	4	17 000	80 100	6 200
40	AXW 40	39.2	40	47	63	4.2	4	27 800	109 000	5 200
45	AXW 45	43.4	45	52	68	4.2	4	29 500	121 600	4 750
50	AXW 50	49.2	50	58	73	4.2	4.5	31 800	140 900	4 500

Lubrificazione con grasso: 25% in meno dei valori indicati in tabella.
Grease lubrication: less 25% of value indicated in tables.

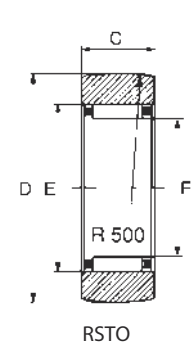


Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Gabbie assiali a rullini Axial needle roller	Gabbie assiali a rulli cilindrici Axial cylindrical roller	Ralle per alloggiamento Housing locating Washer
			d	D	B			
15	ZSI 1127	21	11	27	5.5	AXK 1528	K 811 02 TN	GS 811 02
17	ZSI 1329	23	13	29	5.5	AXK 1730	K 811 03 TN	GS 811 03
20	ZSI 1634	31	16	34	5.5	AXK 2035	K 811 04 TN	GS 811 04
25	ZSI 2141	45	21	41	6	AXK 2542	K 811 05 TN	GS 811 05
30	ZSI 2646	60	26	46	7	AXK 3047	K 811 06 TN	GS 811 06
35	ZSI 3151	78	31	51	8	AXK 3552	K 811 07 TN	GS 811 07
40	ZSI 3159	125	31	59	8	AXK 4060	K 811 08 TN	GS 811 08
45	ZSI 3664	156	36	64	9	AXK 4565	K 811 09 TN	GS 811 09
50	ZSI 4169	191	41	69	10	AXK 5070	K 811 10 TN	GS 811 10
55	ZSI 4677	235	46	77	10	AXK 5578	K 811 11 TN	GS 811 11
60	ZSI 5184	316	51	84	11.5	AXK 6085	K 811 12 TN	GS 811 12
65	ZSI 5689	360	56	89	12	AXK 6590	K 811 13 TN	GS 811 13
70	ZSI 5694	440	56	94	12.5	AXK 7095	K 811 14 TN	GS 811 14
75	ZSI 6199	470	61	99	12.5	AXK 75100	K 811 15 TN	GS 811 15
80	ZSI 66104	500	66	104	12.5	AXK 80105	K 811 16 TN	GS 811 16
85	ZSI 71109	593	71	109	14.5	AXK 85110	K 811 17 TN	GS 811 17
90	ZSI 76119	806	76	119	16	AXK 90120	K 811 18 TN	GS 811 18
100	ZSI 86134	1 180	86	134	18	AXK 100135	K 811 20 TN	GS 811 20
110	ZSI 96144	1 430	96	144	20	AXK 110145	K 811 22 TN	GS 811 22
120	ZSI 101154	1 830	101	154	22	AXK 120155	K 811 24	GS 811 24
130	ZSI 111169	2 210	111	169	22	AXK 130170	K 811 26	GS 811 26
140	ZSI 121179	2 460	121	179	23	AXK 140180	K 811 28	GS 811 28
150	ZSI 131189	2 740	131	189	24	AXK 150190	K 811 30	GS 811 30
160	ZSI 141199	3 030	141	199	25	AXK 160200	K 811 32	GS 811 32

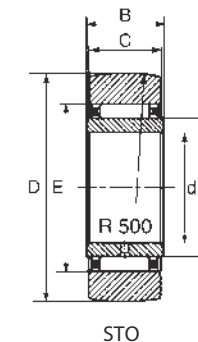


ZSE

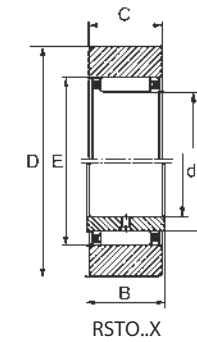
Diametro albero (mm) Shaft Diameter (mm)	Ralle intermedie Designation of Center Washers	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)			Gabbie assiali a rullini Axial needle roller	Gabbie assiali a rulli cilindrici Axial cylindrical roller	Ralle per albero Shaft locating washers
			d	D	B			
15	ZSE 1634	31	16	34	5.5	AXK 1528	K 811 02 TN	WS 811 02
20	ZSE 2141	45	21	41	6	AXK 2035	K 811 04 TN	WS 811 04
25	ZSE 2646	60	26	46	7	AXK 2542	K 811 05 TN	WS 811 05
30	ZSE 3151	78	31	51	8	AXK 3047	K 811 06 TN	WS 811 06
35	ZSE 3664	156	36	64	9	AXK 3552	K 811 07 TN	WS 811 07
40	ZSE 4169	191	41	69	10	AXK 4060	K 811 08 TN	WS 811 08
45	ZSE 4677	235	46	77	10	AXK 4565	K 811 09 TN	WS 811 09
50	ZSE 5184	316	51	84	11.5	AXK 5070	K 811 10 TN	WS 811 10
55	ZSE 5689	360	56	89	12	AXK 5578	K 811 11 TN	WS 811 11
60	ZSE 6199	470	61	99	12.5	AXK 6085	K 811 12 TN	WS 811 12
65	ZSE 66104	500	66	104	12.5	AXK 6590	K 811 13 TN	WS 811 13
70	ZSE 71109	593	71	109	14.5	AXK 7095	K 811 14 TN	WS 811 14
75	ZSE 76119	806	76	119	16	AXK 75100	K 811 15 TN	WS 811 15
85	ZSE 86134	1 180	86	134	18	AXK 85110	K 811 17 TN	WS 811 17
100	ZSE 101154	1 830	101	154	22	AXK 100135	K 811 20 TN	WS 811 20
110	ZSE 111169	2 210	111	169	22	AXK 110145	K 811 22 TN	WS 811 22
120	ZSE 121179	2 460	121	179	23	AXK 120155	K 811 24	WS 811 24
130	ZSE 131189	2 740	131	189	24	AXK 130170	K 811 26	WS 811 26
140	ZSE 141199	3 030	141	199	25	AXK 140180	K 811 28	WS 811 28
150	ZSE 151214	3 830	151	214	27	AXK 150190	K 811 30	WS 811 30
160	ZSE 161224	4 350	161	224	29	AXK 160200	K 811 32	WS 811 32



RSTO



STO



RSTO..X
STO..X

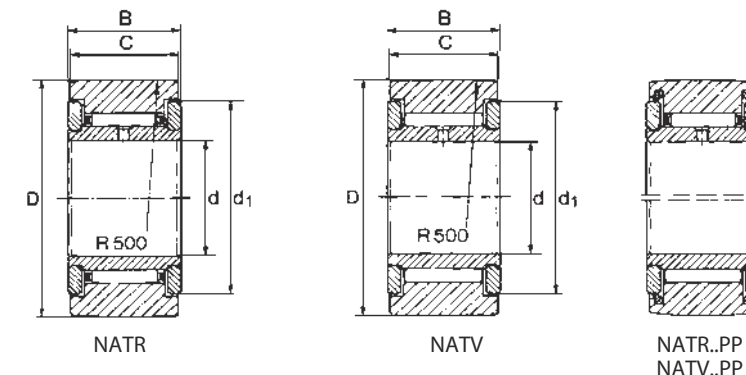
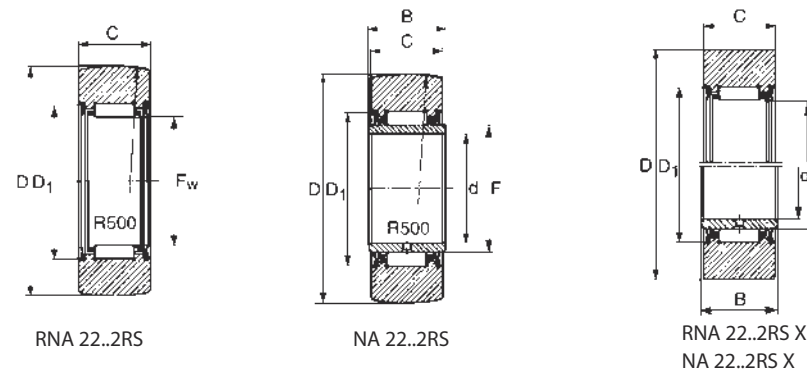
Diametro esterno (mm) Outside Diameter (mm)	Sigla 4) Designation				Dimensioni (mm) Dimensions (mm)						Coefficienti di carico N 2) Basic Load Rating N				Velocità limite Limiting Speed
	Senza anello interno Without IR	Peso (g) Weight (g)	Con anello interno With IR	Peso (g) Weight (g)	D	d	F1) Fw	B	C	d1	Dinamico Dynamic	Statico Static	Come rullo di appoggio Yoke type track roller Din. C _w Stat. C _{ow}	Grasso 3) Grease (N° giri max) (max rpm)	
16	RSTO 5 TN	8.5	-	-	16	-	7	-	7.8	10	2 800	2 600	2 550	2 550	23 000
	RSTO 5 TN X	8.5	-	-	16	-	7	-	7.8	10	2 800	2 600	2 550	2 550	23 000
19	RSTO 6 TN	12.5	STO 6 TN	17	19	6	10	10	9.8	13	4 700	5 450	3 750	4 500	20 000
	RSTO 6 TN X	12.5	STO 6 TN X	17	19	6	10	10	9.8	13	4 700	5 450	3 750	4 500	20 000
24	RSTO 8 TN	21	STO 8 TN	26	24	8	12	10	9.8	15	4 800	6 000	4 000	5 225	16 000
	RSTO 8 TN X	21	STO 8 TN X	26	24	8	12	10	9.8	15	4 800	6 000	4 000	5 225	16 000
30	RSTO 10	42	STO 10	49	30	10	14	12	11.8	20	10 200	10 500	8 400	9 200	11 000
	RSTO 10 X	42	STO 10 X	49	30	10	14	12	11.8	20	10 200	10 500	8 400	9 200	11 000
32	RSTO 12	49	STO 12	57	32	12	16	12	11.8	22	11 300	12 300	8 900	10 100	9 000
	RSTO 12 X	49	STO 12 X	57	32	12	16	12	11.8	22	11 300	12 300	8 900	10 100	9 000
35	RSTO 15	50	STO 15	63	35	15	20	12	11.8	26	13 200	16 000	9 100	10 700	6 500
	RSTO 15 X	50	STO 15 X	63	35	15	20	12	11.8	26	13 200	16 000	9 100	10 700	6 500
40	RSTO 17	88	STO 17	107	40	17	22	16	15.8	29	19 800	25 300	14 300	17 700	5 500
	RSTO 17 X	88	STO 17 X	107	40	17	22	16	15.8	29	19 800	25 300	14 300	17 700	5 500
47	RSTO 20	130	STO 20	152	47	20	25	16	15.8	32	20 800	27 800	16 200	21 500	4 700
	RSTO 20X	130	STO 20 X	152	47	20	25	16	15.8	32	20 800	27 800	16 200	21 500	4 700
52	RSTO 25	150	STO 25	177	52	25	30	16	15.8	37	23 000	33 400	16 500	22 900	3 600
	RSTO 25 X	150	STO 25 X	177	52	25	30	16	15.8	37	23 000	33 400	16 500	22 900	3 600
62	RSTO 30	255	STO 30	308	62	30	38	20	19.8	46	35 200	56 700	23 300	35 000	2 500
	RSTO 30 X	255	STO 30 X	308	62	30	38	20	19.8	46	35 200	56 700	23 300	35 000	2 500
72	RSTO 35	375	STO 35	441	72	35	42	20	19.8	50	35 800	58 800	26 000	41 000	2 200
	RSTO 35 X	375	STO 35 X	441	72	35	42	20	19.8	50	35 800	58 800	26 000	41 000	2 200
80	RSTO 40	420	STO 40	530	80	40	50	20	19.8	58	35 200	61 800	24 000	39 000	1 700
	RSTO 40 X	420	STO 40 X	530	80	40	50	20	19.8	58	35 200	61 800	24 000	39 000	1 700
85	RSTO 45	453	STO 45	576	85	45	55	20	19.8	63	38 900	73 900	25 500	43 000	1 500
	RSTO 45 X	453	STO 45 X	576	85	45	55	20	19.8	63	38 900	73 900	25 500	43 000	1 500
90	RSTO 50	481	STO 50	617	90	50	60	20	19.8	68	43 300	84 800	26 000	46 500	1 300
	RSTO 50 X	481	STO 50 X	617	90	50	60	20	19.8	68	43 300	84 800	26 000	46 500	1 300

1) F= Diametro pista di rotolamento dell'anello interno.
 F= Diameter of rolling groove on inner ring.
 F_w= Tolleranza diametro del cerchio dato dai rullini.
 F_w= Diameter tolerance of circle given by needle rollers.

2) C e C₀ coefficienti di carico: per utilizzo con accoppiamento come cuscinetti volventi.
 C and C₀ load ratings: coupling as bearings.
 C_w e C_{ow} coefficienti di carico: per utilizzo come rullo d'appoggio.
 C_w and C_{ow} load ratings: used as roller support.

3) Con lubrificazione ad olio il limite dei giri aumenta del 25% circa.
 With oil lubrication, number of allowed revolutions increases of about 25%.

4) Suffisso x: anello esterno cilindrico
 X suffix: outer cylindrical ring



Diametro esterno (mm) Outside Diameter (mm)	Sigla 4) Designation				Dimensioni (mm) Dimensions (mm)						Coefficienti di carico N 2) Basic Load Rating N				Velocità limit Limiting Speed
	Senza anello interno Without IR	Peso (g) Weight (g)	Con anello interno With IR	Peso (g) Weight (g)	D	d	F 1) F w	B	C	d 1	Dinamico C Dynamic C	Statico C 0 Static C 0	Come rullo di appoggio Yoke type track roller		Grasso 3) Grease (N° giri max) (max rpm)
													Din. C w Dyn. C w	Stat. C ow Stat. C ow	
19	RNA 22/6 2RS	18	NA 22/6 2RS	22	19	6	10	12	11.8	16	5 050	4 400	3 700	3 500	18 000
	RNA 22/6 2RS X	18	NA 22/6 2RS X	22	19	6	10	12	11.8	16	5 050	4 400	3 700	3 500	18 000
24	RNA 22/8 2RS	29	NA 22/8 2RS	34	24	8	12	12	11.8	18	5 400	5 200	4 600	4 600	14 000
	RNA 22/8 2RS X	29	NA 22/8 2RS X	34	24	8	12	12	11.8	18	5 400	5 200	4 600	4 600	14 000
30	RNA 2200 2RS	52	NA 2200 2RS	60	30	10	14	14	13.8	20	7 400	7 900	6 700	7 600	11 000
	RNA 2200 2RS X	52	NA 2200 2RS X	60	30	10	14	14	13.8	20	7 400	7 900	6 700	7 600	11 000
32	RNA 2201 2RS	57	NA 2201 2RS	67	32	12	16	14	13.8	22	8 300	9 400	7 200	8 600	9 500
	RNA 2201 2RS X	57	NA 2201 2RS X	67	32	12	16	14	13.8	22	8 300	9 400	7 200	8 600	9 500
35	RNA 2202 2RS	60	NA 2202 2RS	75	35	15	20	14	13.8	26	9 300	11 700	7 300	9 100	7 000
	RNA 2202 2RS X	60	NA 2202 2RS X	75	35	15	20	14	13.8	26	9 300	11 700	7 300	9 100	7 000
40	RNA 2203 2RS	94	NA 2203 2RS	112	40	17	22	16	15.8	28	11 600	15 900	9 400	13 100	6 000
	RNA 2203 2RS X	94	NA 2203 2RS X	112	40	17	22	16	15.8	28	11 600	15 900	9 400	13 100	6 000
47	RNA 2204 2RS	152	NA 2204 2RS	177	47	20	25	18	17.8	33	18 000	21 200	14 450	17 400	4 600
	RNA 2204 2RS X	152	NA 2204 2RS X	177	47	20	25	18	17.8	33	18 000	21 200	14 450	17 400	4 600
52	RNA 2205 2RS	179	NA 2205 2RS	209	52	25	30	18	17.8	38	20 000	25 650	14 900	19 000	3 500
	RNA 2205 2RS X	179	NA 2205 2RS X	209	52	25	30	18	17.8	38	20 000	25 650	14 900	19 000	3 500
62	RNA 2206 2RS	284	NA 2206 2RS	324	62	30	35	20	19.8	43	22 200	30 400	17 400	24 300	2 800
	RNA 2206 2RS X	284	NA 2206 2RS X	324	62	30	35	20	19.8	43	22 200	30 400	17 400	24 300	2 800
72	RNA 2207 2RS	432	NA 2207 2RS	505	72	35	42	23	22.7	50	28 500	44 200	22 000	33 700	2 200
	RNA 2207 2RS X	432	NA 2207 2RS X	505	72	35	42	23	22.7	50	28 500	44 200	22 000	33 700	2 200
80	RNA 2208 2RS	530	NA 2208 2RS	628	80	40	48	23	22.7	57	36 600	55 100	26 200	38 500	1 700
	RNA 2208 2RS X	530	NA 2208 2RS X	628	80	40	48	23	22.7	57	36 600	55 100	26 200	38 500	1 700
85	RNA 2209 2RS	545	NA 2209 2RS	655	85	45	52	23	22.7	62	38 500	60 800	27 100	40 850	1 600
	RNA 2209 2RS X	545	NA 2209 2RS X	655	85	45	52	23	22.7	62	38 500	60 800	27 100	40 850	1 600
90	RNA 2210 2RS	563	NA 2210 2RS	690	90	50	58	23	22.7	68	40 400	66 500	26 600	40 400	1 300
	RNA 2210 2RS X	563	NA 2210 2RS X	690	90	50	58	23	22.7	68	40 400	66 500	26 600	40 400	1 300

1) F= Diametro pista di rotolamento dell'anello interno.
F= Diameter of rolling groove on inner ring.
F_w= Tolleranza diametro del cerchio dato dai rullini.
F_w= Diameter tolerance of circle given by needle rollers.

2) C e C₀ coefficienti di carico: per utilizzo con accoppiamento come cuscinetti volenti.
C and C₀ load ratings: coupling as bearings.
C_w e C_{ow} coefficienti di carico: per utilizzo come rullo d'appoggio.
C_w and C_{ow} load ratings: used as roller support.

3) Con lubrificazione ad olio il limite dei giri aumenta del 25% circa.
With oil lubrication, number of allowed revolutions increases of about 25%.

4) Suffisso x: anello esterno cilindrico
X suffix: outer cylindrical ring

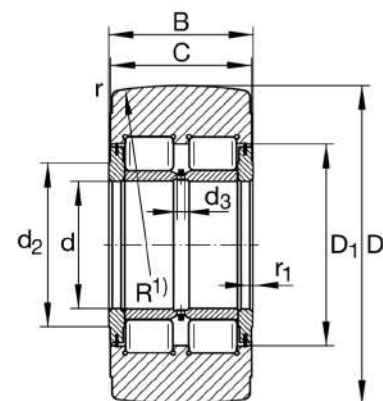
Diametro esterno (mm) Outside Diameter (mm)	Sigla 1) Designation				Dimensioni (mm) Dimensions (mm)					Coefficienti di carico N 2) Basic Load Rating N				Velocità limi Limiting Speed	
	Con anello interno With IR	Peso (g) Weight (g)	Con anello interno e tenute supplementari With IR and additional seals	Peso (g) Weight (g)	d	D	B	C	d1	Dinamico C Dynamic C	Statico C ₀ Static C ₀	Come rullo di appoggio Yoke type track roller			Grasso 3) Grease (N° giri max max rpm)
												Din. C _w Dyn. C _w	Stat. C _{ow} Stat. C _{ow}		
16	NATR 5	14	NATR 5 PP	14	5	16	12	11	12.5	3 600	3 560	3 000	3 100	1 350	
	NATV 5	15	NATV 5 PP	15	5	16	12	11	12.5	6 100	8 100	4 600	6 200	8 100	
19	NATR 6	20	NATR 6 PP	19	6	19	12	11	15	4 050	4 370	3 300	3 700	19 000	
	NATV 6	21	NATV 6 PP	21	6	19	12	11	15	6 950	10 250	5 200	7 500	6 600	
24	NATR 8	41	NATR 8 PP	38	8	24	15	14	19	6 450	7 300	5 200	6 080	14 500	
	NATV 8	42	NATV 8 PP	41	8	24	15	14	19	9 900	14 800	7 400	10 800	5 300	
30	NATR 10	64	NATR 10 PP	61	10	30	15	14	23	7 700	9 200	6 500	8 000	10 500	
	NATV 10	65	NATV 10 PP	64	10	30	15	14	23	11 600	18 000	9 000	13 850	4 300	
32	NATR 12	71	NATR 12 PP	66	12	32	15	14	25	8 300	10 450	6 550	8 350	8 600	
	NATV 12	72	NATV 12 PP	69	12	32	15	14	25	12 540	20 600	9 200	14 600	3 700	
35	NATR 15	104	NATR 15 PP	95	15	35	19	18	27.6	12 250	18 000	9 200	13 400	6 600	
	NATV 15	109	NATV 15 PP	101	15	35	19	18	27.6	17 400	33 250	12 150	21 850	3 200	
40	NATR 17	144	NATR 17 PP	139	17	40	21	20	31.5	13 500	19 400	10 350	14 700	5 700	
	NATV 17	152	NATV 17 PP	147	17	40	21	20	31.5	19 950	37 500	14 050	25 200	2 700	
47	NATR 20	246	NATR 20 PP	236	20	47	25	24	36.5	18 500	30 400	14 700	24 200	4 700	
	NATV 20	254	NATV 20 PP	245	20	47	25	24	36.5	26 600	56 050	19 550	39 900	2 500	
52	NATR 25	275	NATR 25 PP	271	25	52	25	24	41.5	20 150	36 100	14 600	25 200	3 400	
	NATV 25	285	NATV 25 PP	281	25	52	25	24	41.5	29 450	68 400	19 500	41 800	2 000	
62	NATR 30	470	NATR 30 PP	444	30	62	29	28	51	32 300	56 000	22 450	36 600	2 500	
	NATV 30	481	NATV 30 PP	468	30	62	29	28	51	46 100	102 600	29 000	59 850	1 600	
72	NATR 35	635	NATR 35 PP	547	35	72	29	28	58	35 150	65 550	24 200	42 300	1 900	
	NATV 35	647	NATV 35 PP	630	35	72	29	28	58	50 350	120 650	31 350	69 350	1 300	
80	NATR 40	805	NATR 40 PP	795	40	80	32	30	66	46 550	89 300	31 350	56 000	1 600	
	NATV 40	890	NATV 40 PP	832	40	80	32	30	66	62 700	151 050	38 950	85 500	1 200	
90	NATR 50	960	NATR 50 PP	867	50	90	32	30	76	49 400	102 600	30 400	56 050	1 200	
	NATV 50	990	NATV 50 PP	969	50	90	32	30	76	68 400	181 450	38 500	88 350	950	

1) Suffisso x: anello esterno cilindrico
X suffix: outer cylindrical ring

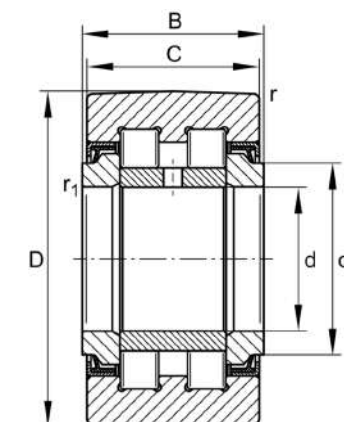
2) C e C₀ coefficienti di carico: per utilizzo con accoppiamento come cuscinetti volenti.
C and C₀ load ratings: coupling as bearings.
C_w e C_{ow} coefficienti di carico: per utilizzo come rullo d'appoggio.
C_w and C_{ow} load ratings: used as roller support.

3) Con lubrificazione ad olio il limite dei giri aumenta del 25% circa.
With oil lubrication, number of allowed revolutions increases of about 25%.

4) Per esecuzione con tenute ridurre il valore del 30%
Value must be reduced of 30% in case of execution with seals

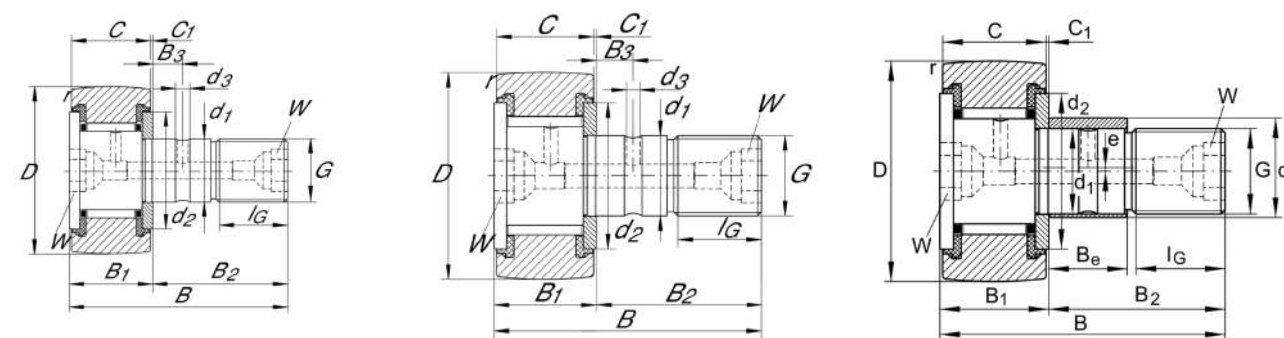
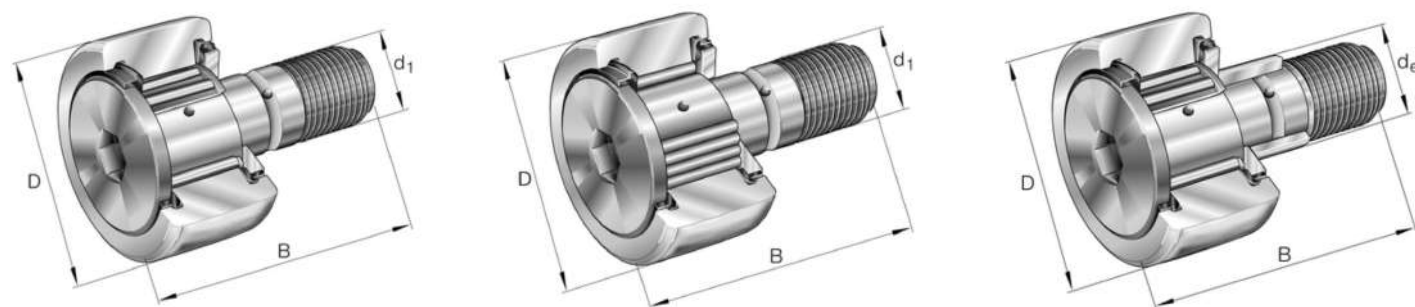


Diametro esterno (mm) Outside Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni delle parti adiacenti Mounting dimensions			Fori di lubrificazione Lubrication holes	Coefficienti di carico N Basic Load Rating N		Velocità limite Limiting speed (N° di giri max) (max rpm)
			d	D	B	C	d2	D1	d3		Dinamico C _W Dynamic C _W	Statico C _{0W} Static C _{0W}	
130	NNTR 50X130X65 ZZ	5 200	50	130	65	63	63	80	3	3	192 000	250 000	1 100
140	NNTR 55X140X70 ZZ	6 400	55	140	70	68	73	91	4	3	223 000	300 000	850
150	NNTR 60X150X75 ZZ	7 800	60	150	75	73	78	97	4	3	255 000	350 000	800
160	NNTR 65X160X75 ZZ	8 800	65	160	75	73	82	103	5	3	275 000	370 000	700
180	NNTR 70X180X85 ZZ	13 000	70	180	85	83	92	115	5	3	350 000	490 000	600
200	NNTR 80X200X90 ZZ	16 800	80	200	90	88	102	127	5	3	410 000	580 000	500
220	NNTR 90X220X100 ZZ	22 500	90	220	100	98	119	146	5	3	495 000	720 000	400
240	NNTR 100X240X105 ZZ	28 000	100	240	105	103	132	160	6	6	560 000	830 000	340
260	NNTR 110X260X115 ZZ	35 600	110	260	115	113	143	174	6	6	670 000	1 020 000	300
290	NNTR 120X290X135 ZZ	52 800	120	290	135	133	155	191	8	6	890 000	1 370 000	260
310	NNTR 130X310X146 ZZ	65 200	130	310	146	144	165	204	8	6	1 020 000	1 600 000	240



Diametro esterno (mm) Outside Diameter (mm)	Sigla Designation		Dimensioni (mm) Dimensions (mm)					Coefficienti di carico N Basic Load Rating N				Numero di giri 1) N. rpm 1) Grasso / Grease min -1
	Con anello interno With IR	Peso (g) Weight (g)	d	D	B	C	d1	Dinamico C _W Dynamic C _W	Statico C ₀ Static C ₀	Dinamico C _W Dynamic C _W	Statico C ₀ Static C ₀	
35	NUTR 15 35	99	15	35	19	18	20	8 600	16 800	15 000	16 800	6 500
	PWTR 15.2RS	99	15	35	19	18	20	9 400	11 300	11 600	11 300	6 000
40	NUTR 17 40	147	17	40	21	20	22	13 100	22 600	18 400	22 600	5 500
	PWTR 17.2RS	147	17	40	21	20	22	13 800	13 800	13 200	13 800	5 000
42	NUTR 15 42	158	15	42	19	18	20	21 900	21 900	18 100	21 900	6 500
	PWTR 15 42.2RS	158	15	42	19	18	20	14 100	14 100	13 500	14 100	6 000
47	NUTR 17 47	220	17	47	21	20	22	28 000	28 000	21 300	28 000	5 500
	PWTR 17 47.2RS	220	17	47	21	20	22	16 400	16 400	14 800	16 400	5 000
	NUTR 20 47	245	20	47	25	24	27	16 400	33 000	28 000	35 000	4 200
	PWTR 20.2RS	245	20	47	25	24	27	18 300	25 500	23 200	25 500	3 800
52	NUTR 20 52	321	20	52	25	24	27	38 500	41 000	31 500	41 000	4 200
	PWTR 20 52.2RS	321	20	52	25	24	27	29 500	29 500	25 500	29 500	3 800
	NUTR 25 52	281	25	52	25	24	31	17 300	34 500	29 000	37 500	4 200
	PWTR 25.2RS	281	25	52	25	24	31	19 300	28 000	24 200	28 000	3 800
62	NUTR 25 62	450	25	62	25	24	31	50 000	50 000	35 500	50 000	4 200
	PWTR 25 62.2RS	450	25	62	25	24	31	36 000	36 000	29 000	36 000	3 800
	NUTR 30 62	465	30	62	29	28	38	23 500	46 500	40 000	50 000	2 600
	PWTR 30.2RS	465	30	62	29	28	38	25 500	39 500	35 000	39 500	2 200
72	NUTR 30 72	697	30	72	29	28	38	64 000	64 000	47 500	64 000	2 600
	PWTR 30 72.2RS	697	30	72	29	28	38	49 000	49 000	41 000	49 000	2 200
	NUTR 35 72	630	35	72	29	28	44	32 000	60 000	44 500	60 000	2 100
	PWTR 35.2RS	630	35	72	29	28	44	34 500	46 500	38 500	46 500	1 800
80	NUTR 35 80	836	35	80	29	28	44	72 000	72 000	51 000	72 000	2 100
	PWTR 35 80.2RS	836	35	80	29	28	44	55 000	55 000	43 500	55 000	1 800
	NUTR 40 80	816	40	80	32	30	50.5	30 500	60 000	55 000	75 000	1 600
	PWTR 40.2RS	816	40	80	32	30	50.5	35 000	53 000	44 500	53 000	1 500
85	NUTR 45 85	883	45	85	32	30	55.2	31 500	61 000	56 000	78 000	1 400
	PWTR 45.2RS	883	45	85	32	30	55.2	36 000	55 000	45 000	55 000	1 300
90	NUTR 40 90	1 129	40	90	32	30	50.5	84 000	95 000	66 000	95 000	1 600
	PWTR 40 90.2RS	1 129	40	90	32	30	50.5	66 000	66 000	52 000	66 000	1 500
	NUTR 50 90	950	50	90	32	30	59.8	32 000	62 000	57 000	81 000	1 300
	PWTR 50.2RS	950	50	90	32	30	59.8	37 000	57 000	45 500	57 000	1 100
100	NUTR 45 100	1 396	45	100	32	30	55.2	106 000	107 000	71 000	107 000	1 400
	PWTR 45 100.2RS	1 396	45	100	32	30	55.2	74 000	74 000	56 000	74 000	1 300
110	NUTR 50 110	1 690	50	110	32	30	59.8	120 000	120 000	76 000	120 000	1 300
	PWTR 50 110.2RS	1 690	50	110	32	30	59.8	82 000	82 000	59 000	82 000	1 100

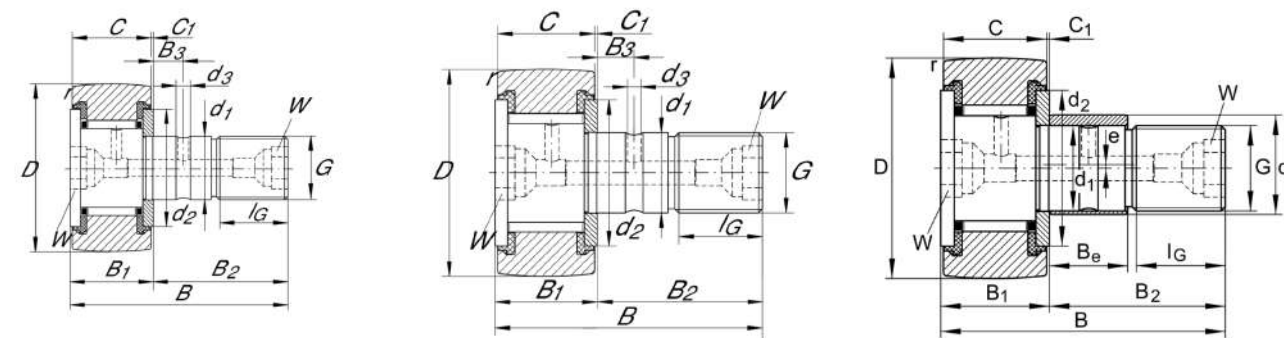
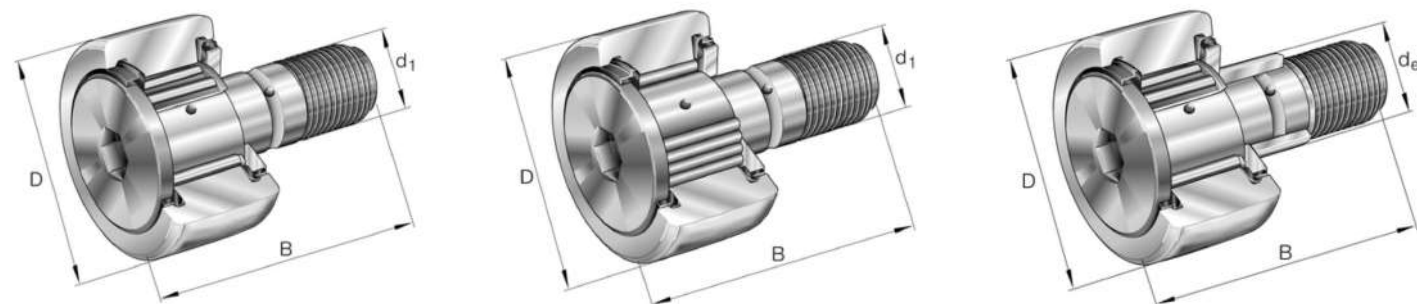
4) Suffisso x: anello esterno cilindrico
X suffix: outer cylindrical ring



Diametro esterno (mm) Outside diameter (mm)	Sigla 1) Designation				Dimensioni (mm) Dimensions (mm)										
	Senza eccentric Without eccentric	Peso (g) Weight (g)	Con eccentric With eccentric	Peso (g) Weight (g)	D	d1 h7	B	B1 max	B2	B3	C	C1	r min.	d2	d3
16	KR16	19	KRE16	20	16	6	28	12.2	16	-	11	0.6	0.15	12.5	-
	KR16-PP	18	KRE16-PP	20	16	6	28	12.2	16	-	11	0.6	0.15	12.5	-
	KRV16	18	KRVE16	22	16	6	28	12.2	16	-	11	0.6	0.15	12.5	-
	KRV16-PP	19	KRVE16-PP	22	16	6	28	12.2	16	-	11	0.6	0.15	12.5	-
19	KR19	29	KRE19	32	19	8	32	12.2	20	-	11	0.6	0.15	15	-
	KR19-PP	29	KRE19-PP	32	19	8	32	12.2	20	-	11	0.6	0.15	15	-
	KRV19	29	KRVE19	35	19	8	32	12.2	20	-	11	0.6	0.15	15	-
	KRV19-PP	31	KRVE19-PP	35	19	8	32	12.2	20	-	11	0.6	0.15	15	-
22	KR22	45	KRE22	47	22	10	36	13.2	23	-	12	0.6	0.3	17.5	-
	KR22-PP	43	KRE22-PP	47	22	10	36	13.2	23	-	12	0.6	0.3	17.5	-
	KRV22	43	KRVE22	49	22	10	36	13.2	23	-	12	0.6	0.3	17.5	-
	KRV22-PP	45	KRVE22-PP	49	22	10	36	13.2	23	-	12	0.6	0.3	17.5	-
26	KR26	59	KRE26	62	26	10	36	13.2	23	-	12	0.6	0.3	17.5	-
	KR26-PP	57	KRE26-PP	62	26	10	36	13.2	23	-	12	0.6	0.3	17.5	-
	KRV26	57	KRVE26	65	26	10	36	13.2	23	-	12	0.6	0.3	17.5	-
	KRV26-PP	59	KRVE26-PP	65	26	10	36	13.2	23	-	12	0.6	0.3	17.5	-
30	KR30	92	KRE30	93	30	12	40	15.2	25	6	14	0.6	0.6	23	3
	KR30-PP	88	KRE30-PP	93	30	12	40	15.2	25	6	14	0.6	0.6	23	3
	KRV30	88	KRVE30	94	30	12	40	15.2	25	6	14	0.6	0.6	23	3
	KRV30-PP	91	KRVE30-PP	94	30	12	40	15.2	25	6	14	0.6	0.6	23	3
32	KR32	103	KRE32	104	32	12	40	15.2	25	6	14	0.6	0.6	23	3
	KR32-PP	98	KRE32-PP	104	32	12	40	15.2	25	6	14	0.6	0.6	23	3
	KRV32	98	KRVE32	105	32	12	40	15.2	25	6	14	0.6	0.6	23	3
	KRV32-PP	101	KRVE32-PP	105	32	12	40	15.2	25	6	14	0.6	0.6	23	3
35	KR35	169	KRE35	181	35	16	52	19.6	32.5	8	18	0.8	0.6	27.6	3
	KR35-PP	169	KRE35-PP	181	35	16	52	19.6	32.5	8	18	0.8	0.6	27.6	3
	KRV35	171	KRVE35	183	35	16	52	19.6	32.5	8	18	0.8	0.6	27.6	3
	KRV35-PP	171	KRVE35-PP	183	35	16	52	19.6	32.5	8	18	0.8	0.6	27.6	3
40	KR40	247	KRE40	260	40	18	58	21.6	36.5	8	20	0.8	1	31.5	3
	KR40-PP	247	KRE40-PP	260	40	18	58	21.6	36.5	8	20	0.8	1	31.5	3
	KRV40	249	KRVE40	262	40	18	58	21.6	36.5	8	20	0.8	1	31.5	3
	KRV40-PP	249	KRVE40-PP	262	40	18	58	21.6	36.5	8	20	0.8	1	31.5	3

- 1) Anello esterno con superficie cilindrica: suffisso X. / Outer ring with cylindric surface: X ref.
2) C e C₀ coefficienti di carico: per utilizzo con accoppiamento con cuscinetti volventi. / C and C₀ load ratings: coupling with bearings.
3) Con lubrificazione ad olio il limite dei giri aumenta circa del 25%. / With oil lubrication, number of revolutions improves of about 25%.
4) Su richiesta, disponibili in acciaio inox 440C o 420C / Under request, stainless steel available 440C or 420C.

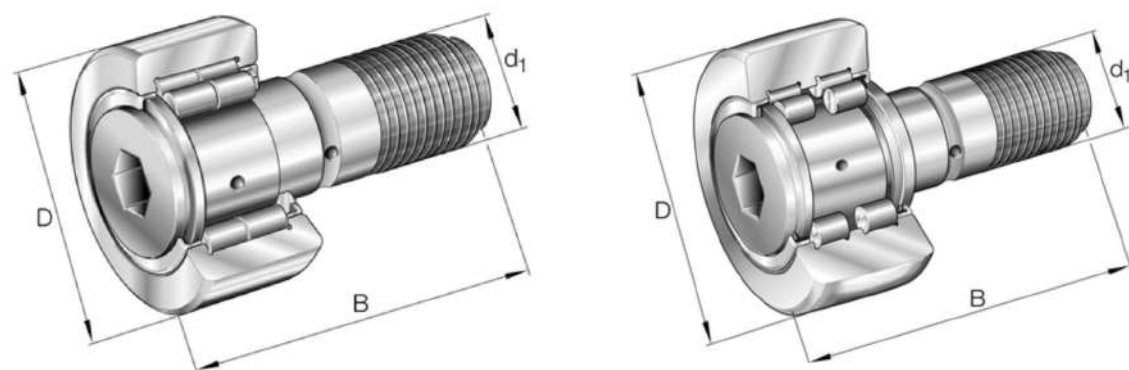
Dimensioni (mm) Dimensions (mm)							Nippli ingrassatori Grease nipples	Momento di serraggio Nut tightening torque MA Nm	Coefficienti di carico ²⁾ Basic load rating ²⁾		Carico limite di fatica Fatigue load Cuw N	Velocità limite Limiting speed
G	l _G	W	W ₁	Eccentrico - Eccentric					Dinamico Dynamic C _w	Statico Static C _{0w}		Grasso -Grease ³⁾
				d _e h ₉	B _e	e					N° giri max- N° max rpm	
M6(X1)	8	4	-	9	7	0,5	NIP1	3	3 150	3 300	415	14 000
M6(X1)	8	4	-	9	7	0,5	NIP1	3	3 150	3 300	415	14 000
M6(X1)	8	4	-	9	7	0,5	NIP1	3	4 900	6 500	860	3 000
M6(X1)	8	4	-	9	7	0,5	NIP1	3	4 900	6 500	860	3 000
M8(X1,25)	10	4	-	11	9	0,5	NIP1	8	3 500	3 900	485	11 000
M8(X1,25)	10	4	-	11	9	0,5	NIP1	8	3 500	3 900	485	11 000
M8(X1,25)	10	4	-	11	9	0,5	NIP1	8	5 400	7 900	1 040	3 100
M8(X1,25)	10	4	-	11	9	0,5	NIP1	8	5 400	7 900	1 040	3 100
M10X1	12	5	5	13	10	0,5	NIP1X4.5	15	4 500	5 200	650	8 000
M10X1	12	5	5	13	10	0,5	NIP1X4.5	15	4 500	5 200	650	8 000
M10X1	12	5	5	13	10	0,5	NIP1X4.5	15	6 200	9 100	1 110	2 600
M10X1	12	5	5	13	10	0,5	NIP1X4.5	15	6 200	9 100	1 110	2 600
M10X1	12	5	5	13	10	0,5	NIP1X4.5	15	5 100	6 200	770	8 000
M10X1	12	5	5	13	10	0,5	NIP1X4.5	15	5 100	6 200	770	8 000
M10X1	12	5	5	13	10	0,5	NIP1X4.5	15	7 300	11 300	1 380	2 600
M10X1	12	5	5	13	10	0,5	NIP1X4.5	15	7 300	11 300	1 380	2 600
M12X1,5	13	6	6	15	11	0,5	NIP1X4.5	22	6 800	8 400	1 070	5 500
M12X1,5	13	6	6	15	11	0,5	NIP1X4.5	22	6 800	8 400	1 070	5 500
M12X1,5	13	6	6	15	11	0,5	NIP1X4.5	22	9 500	14 600	1 840	2 100
M12X1,5	13	6	6	15	11	0,5	NIP1X4.5	22	9 500	14 600	1 840	2 100
M12X1,5	13	6	6	15	11	0,5	NIP1X4.5	22	7 100	8 900	1 140	5 500
M12X1,5	13	6	6	15	11	0,5	NIP1X4.5	22	7 100	8 900	1 140	5 500
M12X1,5	13	6	6	15	11	0,5	NIP1X4.5	22	10 500	15 800	1 990	2 100
M12X1,5	13	6	6	15	11	0,5	NIP1X4.5	22	10 500	15 800	1 990	2 100
M16X1,5	17	8	8	20	14	1	NIP2X7.5	58	9 800	14 100	1 700	3 600
M16X1,5	17	8	8	20	14	1	NIP2X7.5	58	9 800	14 100	1 700	3 600
M16X1,5	17	8	8	20	14	1	NIP2X7.5	58	12 800	23 000	2 900	1 600
M16X1,5	17	8	8	20	14	1	NIP2X7.5	58	12 800	23 000	2 900	1 600
M18X1,5	19	8	8	22	16	1	NIP2X7.5	87	10 900	15 500	1 850	2 900
M18X1,5	19	8	8	22	16	1	NIP2X7.5	87	10 900	15 500	1 850	2 900
M18X1,5	19	8	8	22	16	1	NIP2X7.5	87	14 800	26 500	3 050	1 400
M18X1,5	19	8	8	22	16	1	NIP2X7.5	87	14 800	26 500	3 050	1 400



Diametro esterno (mm) Outside diameter (mm)	Sigla 1) Designation				Dimensioni (mm) Dimensions (mm)										
	Senza eccentric Without eccentric	Peso (g) Weight (g)	Con eccentric With eccentric	Peso (g) Weight (g)	D	d1 h7	B	B1 max	B2	B3	C	C1	r min.	d2	d3
47	KR47	386	KRE47	400	47	20	66	25.6	40.5	9	24	0.8	1	36.5	4
	KR47-PP	386	KRE47-PP	400	47	20	66	25.6	40.5	9	24	0.8	1	36.5	4
	KRV47	390	KRVE47	409	47	20	66	25.6	40.5	9	24	0.8	1	36.5	4
	KRV47-PP	390	-	409	47	20	66	25.6	40.5	9	24	0.8	1	36.5	4
52	KR52	461	KRE52	473	52	20	66	25.6	40.5	9	24	0.8	1	36.5	4
	KR52-PP	461	KRE52-PP	473	52	20	66	25.6	40.5	9	24	0.8	1	36.5	4
	KRV52	465	KRVE52	484	52	20	66	25.6	40.5	9	24	0.8	1	36.5	4
	KRV52-PP	465	-	484	52	20	66	25.6	40.5	9	24	0.8	1	36.5	4
62	KR62	790	KRE62	798	62	24	80	30.6	49.5	11	29	0.8	1	44	4
	KR62-PP	790	KRE62-PP	798	62	24	80	30.6	49.5	11	29	0.8	1	44	4
	KRV62	802	KRVE62	830	62	24	80	30.6	49.5	11	29	0.8	1	44	4
	KRV62-PP	802	-	830	62	24	80	30.6	49.5	11	29	0.8	1	44	4
72	KR72	1 010	KRE72	1 038	72	24	80	30.6	49.5	11	29	0.8	1.1	44	4
	KR72-PP	1 010	KRE72-PP	1 038	72	24	80	30.6	49.5	11	29	0.8	1.1	44	4
	KRV72	1 045	KRVE72	1 073	72	24	80	30.6	49.5	11	29	0.8	1.1	44	4
	KRV72-PP	1 045	-	1 073	72	24	80	30.6	49.5	11	29	0.8	1.1	44	4
80	KR80	1 608	KRE80	1 665	80	30	100	37	63	15	35	1	1.1	53	4
	KR80-PP	1 608	KRE80-PP	1 665	80	30	100	37	63	15	35	1	1.1	53	4
	KRV80	1 636	KRVE80	1 900	80	30	100	37	63	15	35	1	1.1	53	4
	KRV80-PP	1 636	-	1 900	80	30	100	37	63	15	35	1	1.1	53	4
85	KR85	1 740	KRE85	2 075	85	30	100	37	63	15	35	1	1.1	53	4
	KR85-PP	1 740	KRE85-PP	2 075	85	30	100	37	63	15	35	1	1.1	53	4
90	KR90	1 950	KRE90	2 260	90	30	100	37	63	15	35	1	1.1	53	4
	KR90-PP	1 950	KRE90-PP	2 260	90	30	100	37	63	15	35	1	1.1	53	4
	KRV90	1 970	KRVE90	2 300	90	30	100	37	63	15	35	1	1.1	53	4
	KRV90-PP	1 970	-	2 300	90	30	100	37	63	15	35	1	1.1	53	4

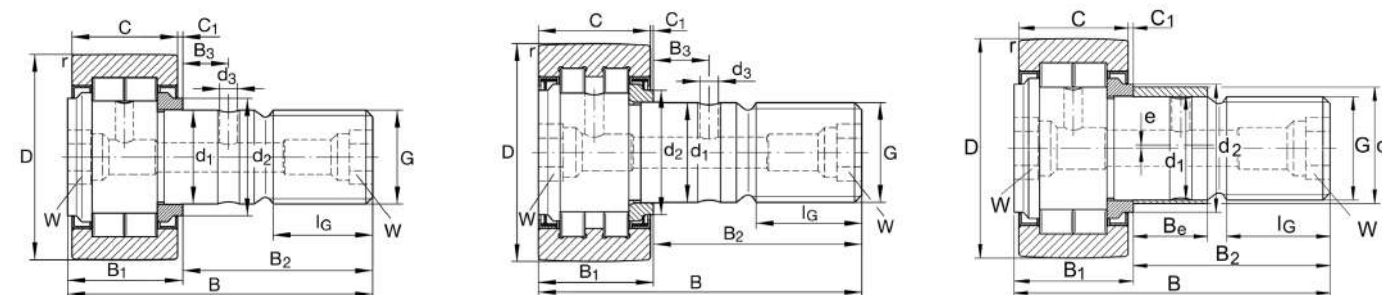
- 1) Anello esterno con superficie cilindrica: suffisso X. / Outer ring with cylindric surface: X ref.
 2) C e C₀ coefficienti di carico: per utilizzo con accoppiamento con cuscinetti volventi. / C and C₀ load ratings: coupling with bearings.
 3) Con lubrificazione ad olio il limite dei giri aumenta circa del 25%. / With oil lubrication, number of revolutions improves of about 25%.
 4) Su richiesta, disponibili in acciaio inox 440C o 420C / Under request, stainless steel available 440C or 420C.

Dimensioni (mm) Dimensions (mm)							Nippli ingrassatori Grease nipples	Momento di serraggio Nut tightening torque MA Nm	Coefficienti di carico 2) Basic load rating 2)		Carico limite di fatica Fatigue load Cuw N	Velocità limite Limiting speed
G	l _G	W	W ₁	Eccentrico - Eccentric					Dinamico Dynamic Cw	Statico Static C _{0w}		Grasso -Grease 3)
				d _e h9	B _e	e						N° giri max - N° max rpm
M20X1,5	21	10	10	24	18	1	NIP2X7,5	120	15 500	25 500	3 000	2 400
M20X1,5	21	10	10	24	18	1	NIP2X7,5	120	15 500	25 500	3 000	2 400
M20X1,5	21	10	10	24	18	1	NIP2X7,5	120	20 600	42 000	5 200	1 300
M20X1,5	21	10	10	24	18	1	NIP2X7,5	120	20 600	42 000	5 200	1 300
M20X1,5	21	10	10	24	18	1	NIP2X7,5	120	16 700	29 000	3 400	2 400
M20X1,5	21	10	10	24	18	1	NIP2X7,5	120	16 700	29 000	3 400	2 400
M20X1,5	21	10	10	24	18	1	NIP2X7,5	120	22 600	48 000	5 900	1 300
M20X1,5	21	10	10	24	18	1	NIP2X7,5	120	22 600	48 000	5 900	1 300
M24X1,5	25	14	14	28	22	1	NIP3X9,5	220	26 500	48 000	6 100	1 900
M24X1,5	25	14	14	28	22	1	NIP3X9,5	220	26 500	48 000	6 100	1 900
M24X1,5	25	14	14	28	22	1	NIP3X9,5	220	34 000	75 000	9 800	1 100
M24X1,5	25	14	14	28	22	1	NIP3X9,5	220	34 000	75 000	9 800	1 100
M24X1,5	25	14	14	28	22	1	NIP3X9,5	220	28 000	53 000	6 700	1 900
M24X1,5	25	14	14	28	22	1	NIP3X9,5	220	28 000	53 000	6 700	1 900
M24X1,5	25	14	14	28	22	1	NIP3X9,5	220	36 500	85 000	11 100	1 100
M24X1,5	25	14	14	28	22	1	NIP3X9,5	220	36 500	85 000	11 100	1 100
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	39 000	77 000	9 900	1 300
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	39 000	77 000	9 900	1 300
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	49 500	117 000	15 300	850
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	49 500	117 000	15 300	850
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	40 000	80 750	10 200	1 300
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	40 000	80 750	10 200	1 300
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	41 000	83 000	10 600	1 300
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	41 000	83 000	10 600	1 300
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	52 000	129 000	16 900	850
M30X1,5	32	14	14	35	29	1.5	NIP3X9,5	450	52 000	129 000	16 900	850



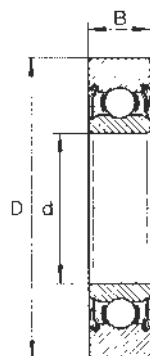
Diametro esterno (mm) Outside Diameter (mm)	Sigla ¹⁾ Designation	Peso (g) Weight (g)	Con eccentrico With eccentric	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)											
					D	d ₁ h7	B	B ₁ max.	B ₂	B ₃	C	C ₁	r min.	d ₂	d ₃	G
35	NUKR35	164	-	-	35	16	52	19.6	32.5	7.8	18	0.8	0.6	20	3	M16X1,5
	-	-	NUKRE35	177	35	16	52	22.6	29.5	-	18	3.8	0.6	27.6	-	M16X1,5
	PWKR35-2RS	164	-	-	35	16	52	19.6	32.5	7.8	18	0.8	0.6	20	3	M16X1,5
	-	-	PWKRE35-2RS	177	35	16	52	22.6	29.5	-	18	3.8	0.6	27.6	-	M16X1,5
40	NUKR40	242	-	-	40	18	58	21.6	36.5	8	20	0.8	1	22	3	M18X1,5
	-	-	NUKRE40	258	40	18	58	24.6	33.5	-	20	3.8	1	30	-	M18X1,5
	PWKR40-2RS	242	-	-	40	18	58	21.6	36.5	8	20	0.8	1	22	3	M18X1,5
	-	-	PWKRE40-2RS	258	40	18	58	24.6	33.5	-	20	3.8	1	30	-	M18X1,5
47	NUKR47	380	NUKRE47	400	47	20	66	25.6	40.5	9	24	0.8	1	27	4	M20X1,5
	PWKR47-2RS	380	PWKRE47-2RS	400	47	20	66	25.6	40.5	9	24	0.8	1	27	4	M20X1,5
52	NUKR52	450	NUKRE52	470	52	20	66	25.6	40.5	9	24	0.8	1	31	4	M20X1,5
	PWKR52-2RS	450	PWKRE52-2RS	470	52	20	66	25.6	40.5	9	24	0.8	1	31	4	M20X1,5
62	NUKR62	795	NUKRE62	824	62	24	80	30.6	49.5	11	28	1.3	1	38	4	M24X1,5
	PWKR62-2RS	795	PWKRE62-2RS	824	62	24	80	30.6	49.5	11	28	1.3	1	38	4	M24X1,5
72	NUKR72	1 020	NUKRE72	1 050	72	24	80	30.6	49.5	11	28	1.3	1.1	44	4	M24X1,5
	PWKR72-2RS	1 020	PWKRE72-2RS	1 050	72	24	80	30.6	49.5	11	28	1.3	1.1	44	4	M24X1,5
80	NUKR80	1 600	NUKRE80	1 670	80	30	100	37	63	15	35	1	1.1	47	4	M30X1,5
	PWKR80-2RS	1 600	PWKRE80-2RS	1 670	80	30	100	37	63	15	35	1	1.1	47	4	M30X1,5
90	NUKR90	1 960	NUKRE90	2 020	90	30	100	37	63	15	35	1	1.1	47	4	M30X1,5
	PWKR90-2RS	1 960	PWKRE90-2RS	2 020	90	30	100	37	63	15	35	1	1.1	47	4	M30X1,5

- 1) Anello esterno con superficie cilindrica: suffisso X.
Outer ring with cylindric surface: X ref.
- 2) C e C₀ coefficienti di carico: per utilizzo con accoppiamento con cuscinetti volventi.
C and C₀ load ratings: coupling with bearings.
- 3) Con lubrificazione ad olio il limite dei giri aumenta circa del 25%.
With oil lubrication, number of revolutions improves of about 25%.
- 4) Su richiesta, disponibili in acciaio inox 440C o 420C.
Under request, stainless steel available 440C or 420C.

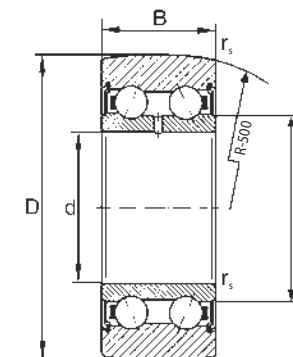
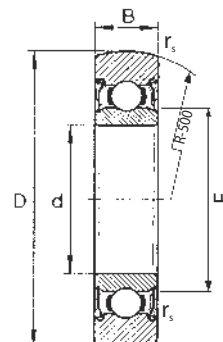


Dimensioni (mm) Dimensions (mm)					Nippli ingrassatori Grease nipples	Momento di serraggio Nut tightening torque MA Nm	Coefficienti di carico ²⁾ Basic load rating ²⁾				Carico limite di fatica Fatigue load C _{uw} N	Velocità limite Limiting speed Grasso -Grease ³⁾ N° giri max - N° max rpm
lg	W	Eccentrico - Eccentric					din. C _r w N	stat. C _{0r} w N	din. F _r per N	stat. F _{0r} per N		
		d _e h9	B _e	e								
17	8	-	-	-	NIPA2X7,5	58	15 000	16 800	8 600	16 800	2 220	6 500
17	8	20	12	1	NIPA2X7,5	58	15 000	16 800	8 600	16 800	2 220	6 500
17	8	-	-	-	NIPA2X7,5	58	11 600	11 300	9 400	11 300	1 780	6 000
17	8	20	12	1	NIPA2X7,5	58	11 600	11 300	9 400	11 300	1 780	6 000
19	8	-	-	-	NIPA2X7,5	87	18 400	22 600	13 100	22 600	2 900	5 500
19	8	22	14	1	NIPA2X7,5	87	18 400	22 600	13 100	22 600	2 900	5 500
19	8	-	-	-	NIPA2X7,5	87	13 200	13 800	13 800	13 800	2 200	5 000
19	8	22	14	1	NIPA2X7,5	87	13 200	13 800	13 800	13 800	2 200	5 000
21	10	24	18	1	NIPA2X7,5	120	28 000	35 000	16 400	33 000	4 400	4 200
21	10	24	18	1	NIPA2X7,5	120	23 200	25 500	18 300	25 500	3 600	3 800
21	10	24	18	1	NIPA2X7,5	120	29 000	37 500	17 300	34 500	4 700	4 200
21	10	24	18	1	NIPA2X7,5	120	24 200	28 000	19 300	28 000	3 900	3 800
25	14	28	22	1	NIPA3X9,5	220	40 000	50 000	23 500	46 500	6 300	2 600
25	14	28	22	1	NIPA3X9,5	220	35 000	39 500	25 500	39 500	5 400	2 200
25	14	28	22	1	NIPA3X9,5	220	44 500	60 000	32 000	60 000	7 600	2 600
25	14	28	22	1	NIPA3X9,5	220	38 500	46 500	46 500	46 500	6 300	2 200
32	14	35	29	1.5	NIPA3X9,5	450	69 000	98 000	47 500	96 000	12 100	1 800
32	14	35	29	1.5	NIPA3X9,5	450	56 000	70 000	53 000	70 000	9 100	1 800
32	14	35	29	1.5	NIPA3X9,5	450	79 000	117 000	77 000	117 000	14 400	1 800
32	14	35	29	1.5	NIPA3X9,5	450	63 000	82 000	82 000	82 000	10 700	1 800

Anello esterno cilindrico NPP
Outer cylindrical ring



Anello esterno sferico NPPU
Outer spherical ring



Sigla Designation	Corrispondente INA Equivalent INA	Corrispondente SKF Equivalent SKF	Dimensioni (mm) Dimensions (mm)					Peso (g) Weight (g)	Coefficienti di carico effettivi (N) ¹⁾ Real Basic load rating (N) ¹⁾		Carichi radiali (N) Radial loads (N)		Velocità limite Limiting speed
			d	D	B	F	r _s min		Dinamico C _w	Statico C _{ow}	F _{ramm}	F _{oramm}	
LR 200 NPP	LR 200 - X- 2RS	-	10	32	9	15.4	0.6	50	4 200	2 050	4 260	4 260	12 300
LR 201 NPP	LR 201 - X- 2RS	-	12	35	10	18.3	0.6	50	5 300	2 550	4 500	4 500	11 400
LR 202 NPP	LR 202 - X- 2RS	-	15	40	11	21	0.6	70	6 250	3 200	6 600	6 600	10 400
LR 203 NPP	LR 203 - X- 2RS	-	17	47	12	24	0.6	110	8 100	4 200	8 800	8 800	8 500
LR 204 NPP	LR 204 - X- 2RS	-	20	52	14	29	1.0	150	10 000	5 400	10 700	11 200	7 600
LR 205 NPP	LR 205 - X- 2RS	-	25	62	15	33.5	1.0	230	11 900	6 700	14 200	14 200	6 600
LR 206 NPP	LR 206 - X- 2RS	-	30	72	16	37.4	1.0	330	15 800	9 200	19 200	19 200	5 200
LR 207 NPP	LR 207 - X- 2RS	-	35	80	17	42.4	1.1	400	19 500	11 500	19 500	23 800	4 200
LR 208 NPP	LR 208 - X- 2RS	-	40	85	18	48.4	1.1	450	20 400	12 200	13 400	23 100	3 750
LR 209 NPP	LR 209 - X- 2RS	-	45	90	19	53.2	1.1	500	21 300	13 000	13 300	22 800	3 400
LR 200 NPPU	LR 200 2RS	361200	10	32	9	15.4	0.6	50	4 200	2 050	4 260	4 260	12 300
LR 201 NPPU	LR 201 2RS	361201	12	35	10	18.3	0.6	50	5 300	2 550	4 500	4 500	11 400
LR 202 NPPU	LR 202 2RS	361202	15	40	11	21	0.6	70	6 250	3 200	6 600	6 600	10 400
LR 203 NPPU	LR 203 2RS	361203	17	47	12	24	0.6	110	8 100	4 200	8 800	8 800	8 500
LR 204 NPPU	LR 204 2RS	361204	20	52	14	29	1.0	150	10 000	5 400	10 700	11 200	7 600
LR 205 NPPU	LR 205 2RS	361205	25	62	15	33.5	1.0	230	11 900	6 700	14 200	14 200	6 600
LR 206 NPPU	LR 206 2RS	361206	30	72	16	37.4	1.0	330	15 800	9 200	19 200	19 200	5 200
LR 207 NPPU	LR 207 2RS	361207	35	80	17	42.4	1.1	400	19 500	11 500	19 500	23 800	4 200
LR 208 NPPU	LR 208 2RS	-	40	85	18	48.4	1.1	450	20 400	12 200	13 400	23 100	3 750
LR 209 NPPU	LR 209 2RS	-	45	90	19	53.2	1.1	500	21 300	13 000	13 300	22 800	3 400

Sigla Designation	Corrispondente INA Equivalent INA	Dimensioni (mm) Dimensions (mm)					Peso (g) Weight (g)	Coefficienti di carico effettivi (N) ¹⁾ Real Basic load rating (N) ¹⁾		Carichi radiali (N) Radial loads (N)		Velocità limite Limiting speed
		d	D	B	F	r _s min		Dinamico C _w	Statico C _{ow}	F _{ramm}	F _{oramm}	
LR 604 NPPU	LR 604 2RSR	4	13	4	6.1	0.2	10	860	350	700	350	22 800
LR 605 NPPU	LR 605 2RSR	5	16	5	7.5	0.2	10	1 190	490	980	490	20 900
LR 606 NPPU	LR 606 2RSR	6	19	6	8.7	0.3	10	1 740	700	1 400	1 400	19 000
LR 607 NPPU	LR 607 2RSR	7	22	6	9	0.3	10	2 130	870	1 740	1 740	19 000
LR 608 NPPU	LR 608 2RSR	8	24	7	10	0.3	20	2 750	1 250	2 500	2 500	18 000
LR 6000 NPPU	LR 6000 2RS R	10	28	8	14.6	0.3	20	3 450	2 350	2 550	3 400	16 500
LR 6001 NPPU	LR 6001 2RS R	12	30	8	16.6	0.3	30	3 650	2 600	4 100	4 100	15 400
LR 6002 NPPU	LR 6002 2RS R	15	35	9	20.1	0.3	50	4 000	3 050	4 600	4 600	14 200
LR 6003 NPPU	LR 6003 2RS R	17	40	10	22.6	0.3	70	4 550	3 450	5 980	5 980	12 800
LR 6004 NPPU	LR 6004 2RS R	20	47	12	27.6	0.6	110	5 200	3 900	4 650	7 140	11 300

Rotelle di maggiori dimensioni a richiesta / Balls of bigger dimensions available under request

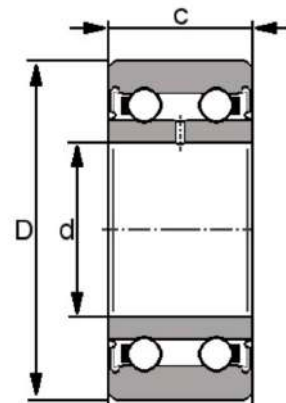
- 1) Nel caso d'utilizzo su di una camma o su di una superficie piana, è opportuno considerare i coefficienti di carico effettivi C_w e C_{ow} ed i carichi radiali F_{ramm} e F_{oramm}
1) In case of mounting on a cam on a flat surface, please consider real load C_w and C_{ow} and radial load F_{ramm} and F_{oramm}

Sigla Designation	Corrispondente INA Equivalent INA	Dimensioni (mm) Dimensions (mm)					Peso (g) Weight (g)	Coefficienti di carico effettivi (N) ¹⁾ Real Basic load rating (N) ¹⁾		Carichi radiali (N) Radial loads (N)		Velocità limite Limiting speed
		d	D	B	F	r _s min		Dinamico C _w	Statico C _{ow}	F _{ramm}	F _{oramm}	
LR 50/5 NPPU	LR 50/5 2RSR	5	17	7	8.2	0.2	10	1 660	950	1 900	1 900	11 500
LR 50/6 NPPU	LR 50/6 2RSR	6	19	9	9.3	0.3	20	2 650	1 310	2 210	2 720	10 500
LR 50/7 NPPU	LR 50/7 2RSR	7	22	10	10.5	0.3	20	3 300	1 690	3 380	3 380	9 500
LR 50/8 NPPU	LR 50/8 2RSR	8	24	11	10.5	0.3	30	4 200	2 360	3 500	4 720	9 500
LR 5000 NPPU	LR 5000 2RSR	10	28	12	13.5	0.3	30	4 750	2 850	5 300	5 700	8 550
LR 5001 NPPU	LR 5001 2RSR	12	30	12	15.5	0.3	30	4 950	3 100	5 400	6 200	8 050
LR 5002 NPPU	LR 5002 2RSR	15	35	13	20.4	0.3	50	6 500	4 100	5 300	8 200	6 700
LR 5003 NPPU	LR 5003 2RSR	17	40	14	21.6	0.3	70	7 700	5 200	10 200	10 400	5 700
LR 5004 NPPU	LR 5004 2RSR	20	47	16	25.2	0.6	120	11 500	7 700	11 000	15 400	5 250
LR 5005 NPPU	LR 5005 2RSR	25	52	16	29.8	0.6	150	11 600	8 100	10 900	16 200	4 450
LR 5006 NPPU	LR 5006 2RSR	30	62	19	35.5	1.0	250	15 800	11 800	18 200	23 600	3 800
LR 5007 NPPU	LR 5007 2RSR	35	68	20	41.7	1.0	300	17 600	13 100	14 100	26 200	4 050
LR 5008 NPPU	LR 5008 2RSR	40	75	21.9	46.7	1.0	370	18 400	14 600	20 300	29 200	4 350

Sigla Designation	Corrispondente INA Equivalent INA	Corrispondente SKF Equivalent SKF	Dimensioni (mm) Dimensions (mm)					Peso (g) Weight (g)	Coefficienti di carico effettivi (N) ¹⁾ Real Basic load rating (N) ¹⁾		Carichi radiali (N) Radial loads (N)		Velocità limite Limiting speed
			d	D	B	F	r _s min		Dinamico C _w	Statico C _{ow}	F _{ramm}	F _{oramm}	
LR 5200 NPPU	LR 5200 2RSR	3058 00	10	32	14	15.4	0.6	70	6 800	4 050	7 700	8 100	7 600
LR 5201 NPPU	LR 5201 2RSR	3058 01	12	35	15.9	17.1	0.6	80	8 600	5 100	6 700	10 200	7 100
LR 5202 NPPU	LR 5202 2RSR	3058 02	15	40	15.9	20.0	0.6	110	9 800	6 200	10 600	12 400	6 600
LR 5203 NPPU	LR 5203 2RSR	3058 03	17	47	17.5	22.5	0.6	170	12 600	8 200	15 900	16 400	5 200
LR 5204 NPPU	LR 5204 2RSR	3058 04	20	52	20.6	26.5	1.0	230	15 800	10 500	14 600	21 000	4 600
LR 5205 NPPU	LR 5205 2RSR	3058 05	25	62	20.6	30.3	1.0	340	18 500	13 000	25 000	26 000	4 250
LR 5206 NPPU	LR 5206 2RSR	3058 06	30	72	23.8	37.4	1.0	510	24 600	21 400	29 500	35 400	3 300
LR 5207 NPPU	LR 5207 2RSR	3058 07	35	80	27	42.4	1.1	660	30 500	22 400	28 500	44 800	2 650
LR 5208 NPPU	LR 5208 2RSR	-	40	85	30.2	48.4	1.1	750	34 500	25 500	20 800	36 000	2 350
LR 5302 NPPU	LR 5302 2RSR	-	15	47	19.0	21.7	1.0	150	14 600	9 200	12 500	18 400	5 200
LR 5303 NPPU	LR 5303 2RSR	-	17	52	22.2	23.5	1.0	210	17 200	11 100	15 500	22 200	4 500
LR 5304 NPPU	LR 5304 2RSR	-	20	62	22.2	29.0	1.1	340	21 100	14 500	27 000	29 000	4 250
LR 5305 NPPU	LR 5305 2RSR	-	25	72	25.4	34.4	1.1	500	27 500	19 500	34 500	39 000	3 700
LR 5306 NPPU	LR 5306 2RSR	-	30	80	30.2	41.4	1.1	670	36 500	26 500	43 500	53 000	2 900
LR 5307 NPPU	LR 5307 2RSR	-	35	90	34.9	47.7	1.5	970	44 500	33 000	39 500	66 000	2 350
LR 5308 NPPU	LR 5308 2RSR	-	40	100	36.5	52.4	1.5	1 200	56 000	42 000	70 000	84 000	2 150

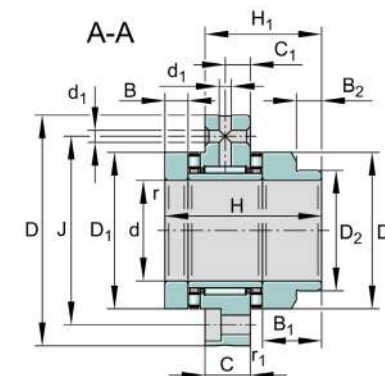
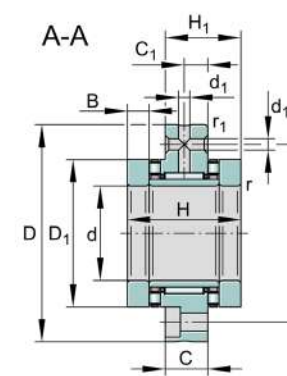
Rotelle di maggiori dimensioni a richiesta / Balls of bigger dimensions available under request

- 1) Nel caso d'utilizzo su di una camma o su di una superficie piana, è opportuno considerare i coefficienti di carico effettivi C_w e C_{ow} ed i carichi radiali F_{ramm} e F_{oramm}
1) In case of mounting on a cam on a flat surface, please consider real load C_w and C_{ow} and radial load F_{ramm} and F_{oramm}



Sigla Designation	Corrispondente INA Equivalent INA	Corrispondente SKF Equivalent SKF	Dimensioni (mm) Dimensions (mm)					Peso (g) Weight (g)	Coefficienti di carico effettivi (N) ¹⁾ Real Basic load rating (N) ¹⁾		Carichi radiali (N) Radial loads (N)		Velocità limite Limiting speed
			d	D	B	F	r _s min		Dinamico Dynamic C _w	Statico Static C _w	F _{ramm}	F _{oramm}	
LR 5201 KDD	LR 5200 - X- 2Z	-	10	32	14	15.4	0.6	70	6 800	4 050	7 700	8 100	7 600
LR 5201 KDD	LR 5201 - X- 2Z	3057 01	12	35	15.9	17.1	0.6	80	8 600	5 100	6 700	10 200	7 100
LR 5202 KDD	LR 5202 - X- 2Z	3057 02	15	40	15.9	20.0	0.6	110	9 800	6 200	10 600	12 400	6 600
LR 5203 KDD	LR 5203 - X- 2Z	3057 03	17	47	17.5	22.5	0.6	170	12 600	8 200	15 900	16 400	5 200
LR 5204 KDD	LR 5204 - X- 2Z	3057 04	20	52	20.6	26.5	1.0	230	15 800	10 500	14 600	21 000	4 600
LR 5205 KDD	LR 5205 - X- 2Z	3057 05	25	62	20.6	30.3	1.0	340	18 500	13 000	25 000	26 000	4 250
LR 5206 KDD	LR 5206 - X- 2Z	3057 06	30	72	23.8	37.4	1.0	510	24 600	2 400	29 500	35 400	3 300
LR 5207 KDD	LR 5207 - X- 2Z	3057 07	35	80	27	42.4	1.1	660	30 500	22 400	28 500	44 800	2 650
LR 5208 KDD	LR 5208 - X- 2Z	-	40	85	30.2	48.4	1.1	750	34 500	25 500	20 800	36 000	2 350
LR 5200 KDDU	LR 5200 2Z	3058 00	10	32	14	15.4	0.6	70	6 800	4 050	7 700	8 100	7 600
LR 5201 KDDU	LR 5201 2Z	3058 01	12	35	15.9	17.1	0.6	80	8 600	5 100	6 700	10 200	7 100
LR 5202 KDDU	LR 5202 2Z	3058 02	15	40	15.9	20.0	0.6	110	9 800	6 200	10 600	12 400	6 600
LR 5203 KDDU	LR 5203 2Z	3058 03	17	47	17.5	22.5	0.6	170	12 600	8 200	15 900	16 400	5 200
LR 5204 KDDU	LR 5204 2Z	3058 04	20	52	20.6	26.5	1.0	230	15 800	10 500	14 600	21 000	4 600
LR 5205 KDDU	LR 5205 2Z	3058 05	25	62	20.6	30.3	1.0	340	18 500	13 000	25 000	26 000	4 250
LR 5206 KDDU	LR 5206 2Z	3058 06	30	72	23.8	37.4	1.0	510	24 600	2 400	29 500	35 400	3 300
LR 5207 KDDU	LR 5207 2Z	3058 07	35	80	27	42.4	1.1	660	30 500	22 400	28 500	44 800	2 650
LR 5208 KDDU	LR 5208 2Z	-	40	85	30.2	48.4	1.1	750	34 500	25 500	20 800	36 000	2 350

Sigla Designation	Corrispondente INA Equivalent INA	Dimensioni (mm) Dimensions (mm)					Peso (g) Weight (g)	Coefficienti di carico effettivi (N) ¹⁾ Real Basic load rating (N) ¹⁾		Carichi radiali (N) Radial loads (N)		Velocità limite Limiting speed
		d	D	B	F	r _s min		Dinamico Dynamic C _w	Statico Static C _w	F _{ramm}	F _{oramm}	
LR 5304 KDDU	LR 5304 2Z	20	62	22.2	29.0	1.1	340	21 100	14 500	27 000	29 000	4 250
LR 5305 KDDU	LR 5305 2Z	25	72	25.4	34.4	1.1	500	27 500	19 500	34 500	39 000	3 700
LR 5306 KDDU	LR 5306 2Z	30	80	30.2	41.4	1.1	670	36 500	26 500	43 500	53 000	2 900
LR 5307 KDDU	LR 5307 2Z	35	90	34.9	47.7	1.5	970	44 500	33 000	39 500	66 000	2 350
LR 5308 KDDU	LR 5308 2Z	40	100	36.5	52.4	1.5	1 200	56 000	42 000	70 000	84 000	2 150



SERIE LEGGERA / LIGHT SERIES

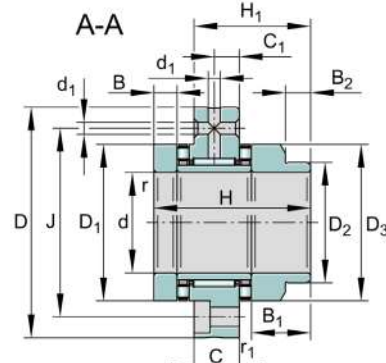
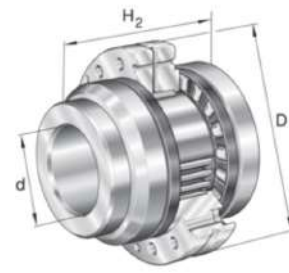
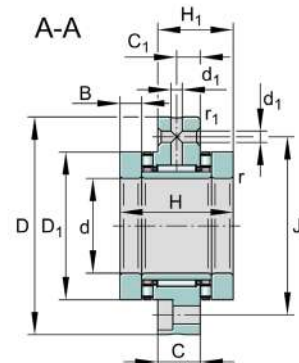
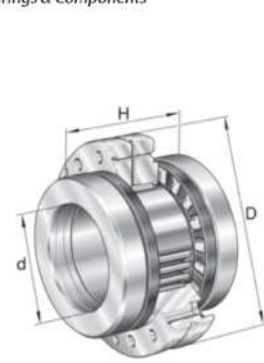
Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)														
					d	D	H	H ₁	H ₂	H ₃	C	D ₁	D ₂	D ₃	B	B ₁	B ₂	d ₁	J
15	ZARF 1560 TN	420	ZARF 1560 L TN	450	15	60	40	26	53	39	14	35	24	34	7.5	20.5	11	3.2	46
17	ZARF 1762 TN	490	ZARF 1762 L TN	520	17	62	43	27.5	57	41.5	14	38	28	38	9	23	11	3.2	48
20	ZARF 2068 TN	560	ZARF 2068 L TN	610	20	68	46	29	60	43	14	42	30	40	10	24	11	3.2	53
25	ZARF 2575 TN	780	ZARF 2575 L TN	840	25	75	50	33	65	48	18	47	36	45	10	25	11	3.2	58
30	ZARF 3080 TN	850	ZARF 3080 L TN	900	30	80	50	33	65	48	18	52	40	50	10	25	11	3.2	63
35	ZARF 3590 TN	1 120	ZARF 3590 L TN	1 250	35	90	54	35	70	51	18	60	45	58	11	27	12	3.2	73
40	ZARF 40100 TN	1 350	ZARF 40100 L TN	1 450	40	100	54	35	70	51	18	65	50	63	11	27	12	3.2	80
45	ZARF 45105 TN	1 700	ZARF 45105 L TN	1 850	45	105	60	40	75	55	22.5	70	56	68	11.5	26.5	12	6	85
50	ZARF 50115 TN	2 100	ZARF 50115 L TN	2 450	50	115	60	40	78	58	22.5	78	60	78	11.5	29.5	12	6	94

SERIE PESANTE / HEAVY DUTY

Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)															
					d	D	H	H ₁	H ₂	H ₃	C	D ₁	D ₂	D ₃	B	B ₁	B ₂	d ₁	J	
20	ZARF 2080 TN	1 100	ZARF 2080 L TN	1 220	20	80	60	38	75	53	18	52	40	50	12.5	27.5	11	3.2	63	
25	ZARF 2590 TN	1 600	ZARF 2590 L TN	1 750	25	90	60	38	75	53	18	62	48	60	12.5	27.5	11	3.2	73	
30	ZARF 30105 TN	1 950	ZARF 30105 L TN	2 150	30	105	66	41	82	57	18	68	52	66	14	30	12	3.2	85	
35	ZARF 35110 TN	1 600	ZARF 35110 L TN	1 850	35	110	66	41	82	57	18	73	60	73	14	30	12	3.2	88	
40	ZARF 40115 TN	2 700	ZARF 40115 L TN	3 000	40	115	75	47.5	93	65.5	22.5	78	60	78	16	34	12	6	94	
45	ZARF 45130 TN	3 900	ZARF 45130 L TN	4 300	45	130	82	51	103	72	22.5	90	70	88	17.5	38.5	14	6	105	
50	ZARF 50140 TN	4 200	ZARF 50140 L TN	4 650	50	140	82	51	103	72	22.5	95	75	93	17.5	38.5	14	6	113	
55	ZARF 55145 TN	4 500	ZARF 55145 L TN	5 000	55	145	82	51	103	72	22.5	100	80	98	17.5	38.5	14	6	118	
60	ZARF 60150 TN	4 700	ZARF 60150 L TN	5 350	60	150	82	51	103	72	22.5	105	90	105	17.5	38.5	16	6	123	
65	ZARF 65155 TN	5 100	ZARF 65155 L TN	5 700	65	155	82	51	103	72	22.5	110	90	108	17.5	38.5	16	6	128	
70	ZARF 70160 TN	5 200	ZARF 70160 L TN	5 950	70	160	82	51	103	72	22.5	115	100	115	17.5	38.5	16	6	133	
75	ZARF 75185 TN	9 400	ZARF 75185 L TN	10 600	75	185	100	62	125	87	27	135	115	135	21	46	16	6	155	
90	ZARF 90210 TN	13 700	ZARF 90210 L TN	15 100	90	210	110	69.5	135	94.5	32	160	130	158	22.5	47.5	16	8	180	



NEEDLE ROLLER AXIAL CYLINDRICAL ROLLER BEARINGS (ZAR-F Z ARF..L)
CUSCINETTI COMBINATI, A RULLINI ED ASSIALI A RULLI CILINDRICI (ZARF • ZARF..L)



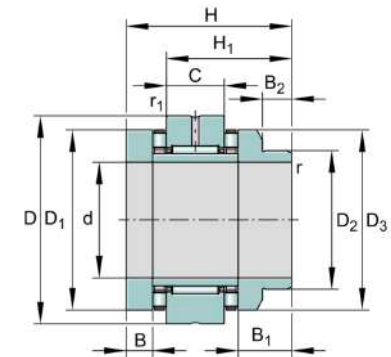
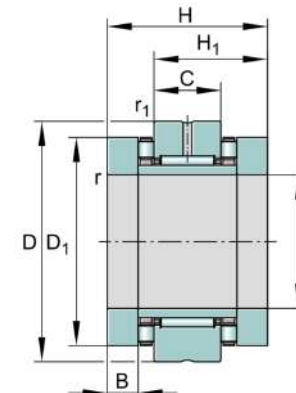
Viti di fissaggio ¹⁾ Fixing Screws		Coefficiente di carico (N) Basic Load Rating (N)				Velocità limite Limiting Speed		Coppia di attrito Bearing Frictional Torque	Rigidezza assiale Axial Rigidity	Rigidezza angolare Tilting Rigidity	Ghiera Locknut	
Filetto Thread	Quantità Quantity	Assiale / Axial		Radiale / Radial		Olio ²⁾ Oil	Grasso Grease	M RL Nm	CaL N/μm	CkL Nm/mrad	Filetto Thread	MA Nm
		Dinamico C Dynamic C	Statico C ₀ Static C	Dinamico C Dynamic C	Statico C ₀ Static C	N° giri max max rpm						
M6	6	23 600	50 350	12 000	16 500	8 000	2 100	0.32	1 260	100	M15x1	10
M6	6	24 700	54 150	13 300	18 900	7 400	2 000	0.38	1 400	130	M17x1	12
M6	8	32 500	72 200	14 100	21 280	6 600	1 900	0.41	1 600	190	M20x1.5	18
M6	8	33 700	81 700	21 470	34 200	5 700	1 800	0.50	1 700	300	M25x1.5	25
M6	12	37 000	95 950	23 100	39 400	5 200	1 700	0.55	2 000	420	M30x1.5	32
M6	12	53 200	140 600	24 700	44 650	4 560	1 600	0.79	2 300	640	M35x1.5	42
M8	8	56 000	154 850	26 100	50 350	4 180	1 500	0.88	2 500	1 000	M40x1.5	55
M8	8	57 950	168 150	36 100	70 300	3 800	1 400	1.00	2 800	1 240	M45x1.5	65
M8	12	85 500	285 000	38 000	77 900	3 400	1 150	1.90	3 700	2 370	M50x1.5	85

Viti di fissaggio 1) Fixing Screws		Coefficiente di carico (N) Basic Load Rating (N)				Velocità limite Limiting Speed		Coppia di attrito Bearing Frictional Torque	Rigidezza assiale Axial Rigidity	Rigidezza angolare Tilting Rigidity	Ghiera Locknut	
Filetto Thread	Quantità Quantity	Assiale / Axial		Radiale / Radial		Olio ²⁾ Oil	Grasso Grease	MRL Nm	CaL N/μm	CkL Nm/mrad	Filetto Thread	MA Nm
		Dinamico C Dynamic C	Statico C ₀ Static C	Dinamico C Dynamic C	Statico C ₀ Static C	N° giri max max rpm						
M6	12	64 000	141 000	22 600	36 000	6 000	1 500	1.3	2 300	400	M20x1	38
M6	12	80 000	199 000	24 300	41 500	4 900	1 400	1.6	3 000	800	M25x1.5	55
M8	12	107 000	265 000	26 000	47 000	4 400	1 300	2.1	3 300	1 100	M30x1.5	75
M8	12	105 000	265 000	27 500	53 000	4 000	1 250	2.3	2 500	1 300	M35x1.5	100
M8	12	117 000	315 000	38 000	74 000	3 700	1 200	2.5	3 800	1 800	M40x1.5	120
M8	12	154 000	405 000	40 000	82 000	3 300	1 150	3.5	4 000	2 100	M45x1.5	150
M10	12	172 000	480 000	42 000	90 000	3 100	1 100	3.8	4 600	2 900	M50X1.5	180
M10	12	177 000	500 000	44 000	98 000	2 900	1 000	4	4 900	3 600	M55X2	220
M10	12	187 000	550 000	44 500	92 000	2 700	950	4.2	5 300	4 300	M60X2	250
M10	12	172 000	500 000	54 000	104 000	2 600	900	4	4 800	4 000	M65X2	270
M10	12	201 000	630 000	56 000	119 000	2 400	800	4.8	5 800	6 000	M70X2	330
M12	12	290 000	890 000	72 000	132 000	2 100	700	8	6 600	8 500	M75X2	580
M12	16	325 000	1 030 000	98 000	210 000	1 800	700	10.5	7 700	14 500	M90X2	960

- 1) Coppia di serraggio per viti di fissaggio secondo indicazioni del produttore, le viti secondo DIN non fanno parte del programma di fornitura.
Tightening for fixation screws, as per manufacturer's indications. Screws, in accordance with DIN are not included in this sales program.
- 2) Numero di giri limite per lubrificazione ad olio con sufficiente olio di raffreddamento.
Number of allowed revolutions with an oil lubrication, with enough cooling oil.



NEEDLE ROLLER AXIAL CYLINDRICAL ROLLER BEARINGS (ZAR-F Z ARF..L)
CUSCINETTI COMBINATI, A RULLINI ED ASSIALI A RULLI CILINDRICI (ZARF • ZARF..L)



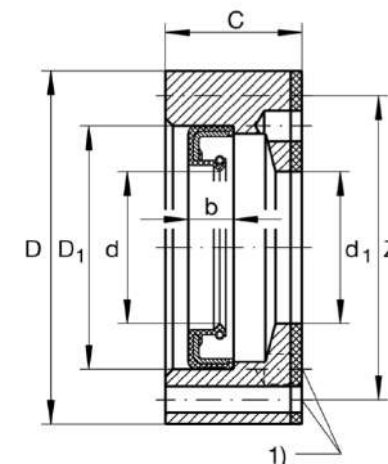
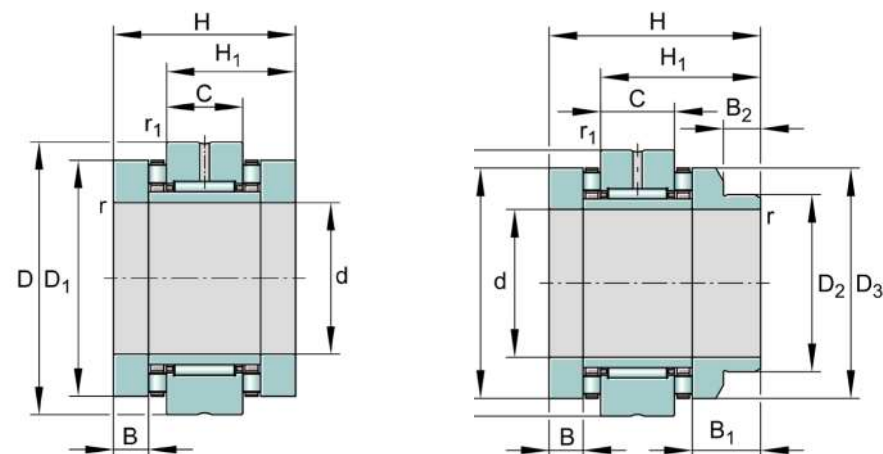
SERIE LEGGERA / LIGHT SERIES

Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)												
					d	D	H	H ₁	H ₂	H ₃	C	D ₁	D ₂	D ₃	B	B ₁	B ₂
15	ZARN 1545 TN	340	ZARN 1545 L TN	370	15	45	40	28	53	41	16	35	24	34	7.5	20.5	11
17	ZARN 1747 TN	370	ZARN 1747 L TN	410	17	47	43	29.5	57	43.5	16	38	28	38	9	23	11
20	ZARN 2052 TN	410	ZARN 2052 L TN	460	20	52	46	31	60	45	16	42	30	40	10	24	11
25	ZARN 2557 TN	530	ZARN 2557 L TN	590	25	57	50	35	65	50	20	47	36	45	10	25	11
30	ZARN 3062 TN	600	ZARN 3062 L TN	750	30	62	50	35	65	50	20	52	40	50	10	25	11
35	ZARN 3570 TN	800	ZARN 3570 L TN	930	35	70	54	37	70	53	20	60	45	58	11	27	12
40	ZARN 4075 TN	900	ZARN 4075 L TN	1 000	40	75	54	37	70	53	20	65	50	63	11	27	12
45	ZARN 4580 TN	1 120	ZARN 4580 L TN	1 270	45	80	60	42.5	75	57.5	25	70	56	68	11.5	26.5	12
50	ZARN 5090 TN	1 430	ZARN 5090 L TN	1 780	50	90	60	42.5	78	60.5	25	78	60	78	11.5	29.5	12

SERIE PESANTE / HEAVY DUTY

Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)												
					d	D	H	H ₁	H ₂	H ₃	C	D ₁	D ₂	D ₃	B	B ₁	B ₂
20	ZARN 2062 TN	870	ZARN 2062 L TN	990	20	62	60	40	75	55	20	52	40	50	12.5	27.5	11
25	ZARN 2572 TN	1 170	ZARN 2572 L TN	1 320	25	72	60	40	75	55	20	62	48	60	12.5	27.5	11
30	ZARN 3080 TN	1 500	ZARN 3080 L TN	1 700	30	80	66	43	82	59	20	68	52	66	14	30	12
35	ZARN 3585 TN	1 650	ZARN 3585 L TN	1 800	35	85	66	43	82	59	20	73	60	73	14	30	12
40	ZARN 4090 TN	2 090	ZARN 4090 L TN	2 390	40	90	75	50	93	68	25	78	60	78	16	34	12
45	ZARN 45105 TN	3 020	ZARN 45105 L TN	3 420	45	105	82	53.5	103	74.5	25	90	70	88	17.5	38.5	14
50	ZARN 50110 TN	3 300	ZARN 50110 L TN	3 750	50	110	82	53.5	103	74.5	25	95	75	93	17.5	38.5	14
55	ZARN 55115 TN	3 500	ZARN 55115 L TN	4 000	55	115	82	53.5	103	74.5	25	100	80	98	17.5	38.5	14
60	ZARN 60120 TN	3 700	ZARN 60120 L TN	4 850	60	120	82	53.5	103	74.5	25	105	90	105	17.5	38.5	16
65	ZARN 65125 TN	4 000	ZARN 65125 L TN	4 600	65	125	82	53.5	103	74.5	25	110	90	108	17.5	38.5	16
70	ZARN 70130 TN	4 100	ZARN 70130 L TN	4 850	70	130	82	53.5	103	74.5	25	115	100	115	17.5	38.5	16
75	ZARN 75155 TN	7 900	ZARN 75155 L TN	9 100	75	155	100	65	125	90	30	135	115	135	21	46	16
90	ZARN 90180 TN	11 800	ZARN 90180 L TN	13 200	90	180	110	72.5	135	97.5	35	160	130	158	22.5	47.5	16

TN= Gabbia in materiale plastico, temperatura d'esercizio ammessa 80°C (per funzionamento continuo).
TN= Plastic cage; temperature allowed: 80°C (continuous working).



Coefficiente di carico (N) Basic Load Rating (N)				Velocità limite Limiting Speed		Coppia di attrito Bearing Frictional Torque	Rigidezza assiale Axial Rigidity	Rigidezza angolare Tilting Rigidity	Ghiera Locknut	
Assiale / Axial		Radiale / Radial		Olio 2) Oil	Grasso Grease				Filetto Thread	MA
Dinamico C Dynamic C	Statico C ₀ Static C ₀	Dinamico C Dynamic C	Statico C ₀ Static C ₀	N° giri max max rpm		Nm	CaL N/μm	CkL Nm/mrad		Nm
23 600	50 350	12 000	16 500	8 000	2 100	0.32	1 260	100	M15x1	10
24 700	54 150	13 300	18 900	7 400	2 000	0.38	1 400	130	M17x1	12
32 500	72 200	14 100	21 280	6 600	1 900	0.41	1 600	190	M20x1.5	18
33 700	81 700	21 470	34 200	5 700	1 800	0.50	1 700	300	M25x1.5	25
37 000	95 950	23 100	39 400	5 200	1 700	0.55	2 000	420	M30x1.5	32
53 200	140 600	24 700	44 650	4 560	1 600	0.79	2 300	640	M35x1.5	42
56 000	154 850	26 100	50 350	4 180	1 500	0.88	2 500	1 000	M40x1.5	55
57 950	168 150	36 100	70 300	3 800	1 400	1.0	2 800	1 240	M45x1.5	65
85 500	285 000	38 000	77 900	3 400	1 150	1.9	3 700	2 370	M50x1.5	85

Coefficiente di carico (N) Basic Load Rating (N)				Velocità limite Limiting Speed		Coppia di attrito Bearing Frictional Torque	Rigidezza assiale Axial Rigidity	Rigidezza angolare Tilting Rigidity	Ghiera Locknut	
Assiale / Axial		Radiale / Radial		Olio 2) Oil	Grasso Grease				Filetto Thread	MA
Dinamico C Dynamic C	Statico C ₀ Static C ₀	Dinamico C Dynamic C	Statico C ₀ Static C ₀	N° giri max max rpm		Nm	CaL N/μm	CkL Nm/mrad		Nm
64 000	141 000	22 600	36 000	6 000	1 500	1.3	2 300	400	M20x1	38
80 000	199 000	24 300	41 500	4 900	1 400	1.6	3 000	800	M25x1.5	55
107 000	265 000	26 000	4 400	4 400	1 300	2.1	3 300	1 100	M30x1.5	75
105 000	265 000	27 500	53 000	4 000	1 250	2.3	-	1 300	M35x1.5	100
117 000	315 000	38 000	74 000	3 700	1 200	2.5	3 800	1 800	M40x1.5	120
154 000	405 000	40 000	82 000	3 300	1 150	3.5	4 000	2 100	M45x1.5	150
172 000	480 000	42 000	90 000	3 100	1 100	3.8	4 600	2 900	M50x1.5	180
177 000	500 000	44 000	98 000	2 900	1 000	4	4 900	3 600	M55x2	220
187 000	550 000	44 500	92 000	2 700	950	4.2	5 300	4 300	M60x2	250
172 000	500 000	54 000	104 000	2 600	900	4	4 800	4 000	M65x2	270
201 000	630 000	56 000	119 000	2 400	800	4.8	5 800	6 000	M70x2	330
290 000	890 000	72 000	132 000	2 100	700	8	6 600	8 500	M75x2	580
325 000	1 030 000	98 000	210 000	1 800	700	10.5	7 700	14 500	M90x2	960

2) Numero di giri limite per lubrificazione ad olio con sufficiente olio di raffreddamento.
Number of allowed revolutions with an oil lubrication, with enough cooling oil.

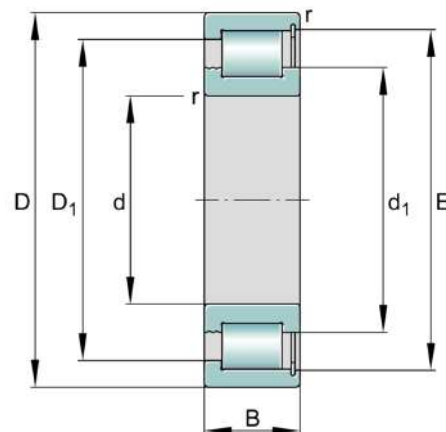
Diametro albero (mm) Shaft diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) - Dimensions (mm)				Anello di tenuta radiale - Rotary shaft seals				Relativi cuscinetti in esecuzione normale o L Designation for corresponding bearing in standard or L Sigla - Designation
			D	C	d ₁	Z	d	D ₁	b	Viti cilindriche DIN 912 4 pezzi Fixing screws DIN 912 4 pieces	
15	DRS 1560	160	60	14	35	52.4	35	45	7	M3x20	ZARF 1560 TN
17	DRS 1762	180	62	15.5	38	54.4	38	47	7	M3x25	ZARF 1762 TN
20	DRS 2068	110	68	17	42	60.4	42	55	8	M3x25	ZARF 2068 TN
	DRS 2080	200	80	22	52	73.4	52	68	8	M3x30	ZARF 2080 TN
25	DRS 2575	160	75	17	47	67.4	47	62	6	M3x25	ZARF 2575 TN
	DRS 2590	300	90	22	62	81	62	75	10	M3x30	ZARF 2590 TN
30	DRS 3080	150	80	17	52	73.4	52	68	8	M3x25	ZARF 3080 TN
	DRS 30105	350	105	25	68	95	68	85	10	M4x35	ZARF 30105 TN
35	DRS 3590	150	90	19	60	80	60	72	8	M4x25	ZARF 3590 TN
	DRS 35110	300	110	25	73	101	73	95	10	M3x30	ZARF 35110 TN
40	DRS 40100	250	100	19	65	90	65	80	8	M4x30	ZARF 40100 TN
	DRS 40115	500	115	27.5	78	106	78	100	10	M3x35	ZARF 40115 TN
45	DRS 45105	300	105	20	70	95	70	85	8	M4x30	ZARF 45105 TN
	DRS 45130	700	130	31	90	120	90	110	12	M4x40	ZARF 45130 TN
50	DRS 50115	200	115	20	78	106	78	100	10	M3x30	ZARF 50115 TN
	DRS 50140	800	140	30	95	127.5	95	115	13	M5x40	ZARF 50140 TN
55	DRS 55145	900	145	30	100	132.5	100	120	12	M5x40	ZARF 55145 TN
60	DRS 60150	900	150	30	105	137.5	105	125	12	M5x40	ZARF 60150 TN
65	DRS 65155	1 000	155	30	110	142.5	110	130	12	M5x40	ZARF 65155 TN
70	DRS 70160	1 000	160	30	115	147.5	115	135	13	M5x40	ZARF 70160 TN
75	DRS 75185	1 800	185	36	135	172.5	135	160	15	M5x50	ZARF 75185 TN
90	DRS 90210	2 700	210	38	160	194	160	180	15	M5x50	ZARF 90210 TN

1) Il portatenute viene fornito come set di tenute in singoli componenti ed è composto da:

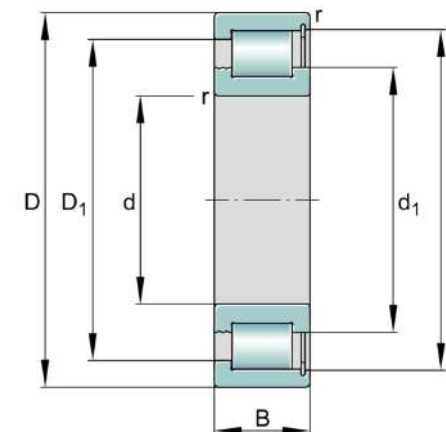
- flangia per tenuta
- anello di tenuta radiale per albero
- tenuta flangiata
- viti cilindriche

1) The seal carrier assembly is provided with:

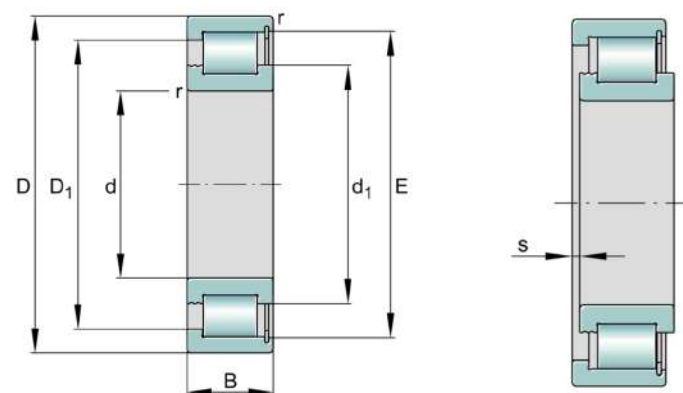
- seal flange
- radial seal for shaft
- flanged seal
- cylindrical screws



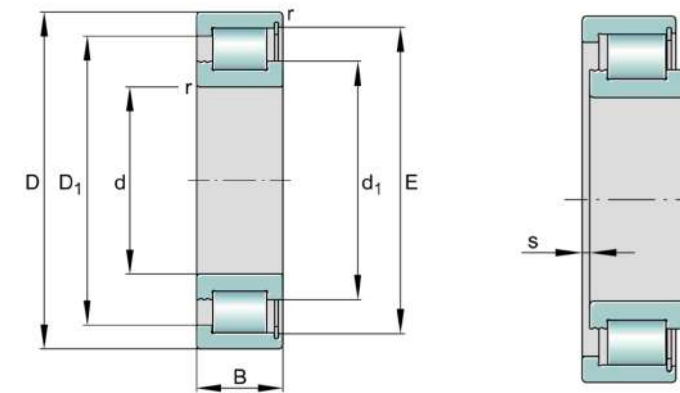
Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)				Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
			d	D	B	s	F	d ₁	D ₁	E	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
20	SL183004	110	20	42	16	1.5	—	28.8	32.8	36.81	26 200	25 100	9 500
	SL182204	160	20	47	18	1	—	30.3	36.9	41.47	39 000	35 600	9 025
25	SL183005	120	25	47	16	1.5	—	34.6	38.5	42.51	30 000	30 800	8 550
	SL182205	180	25	52	18	1	—	35.3	41.9	46.52	43 700	42 700	8 075
	SL192305	370	25	62	24	2	31.72	36.7	47.5	—	61 700	57 000	7 125
30	SL183006	200	30	55	19	2	—	40	45.4	49.6	38 500	40 800	7 125
	SL182206	300	30	62	20	1	—	42	50.6	55.19	59 800	61 700	6 650
	SL192306	560	30	72	27	2	38.3	43.5	56	—	84 500	83 600	6 175
35	SL183007	260	35	62	20	2	—	44.9	51.3	55.52	47 000	52 200	6 175
	SL182207	440	35	72	23	1	—	47	59.3	63.97	75 000	75 000	5 700
	SL192307	740	35	80	31	2	44.68	50.7	65.8	—	107 300	106 400	5 225
40	SL183008	310	40	68	21	2	—	50.5	57.1	61.74	56 000	64 600	5 700
	SL182208	550	40	80	23	1	—	54	66.3	70.94	82 600	78 800	5 225
	SL192308	1 010	40	90	33	2	51.12	57.5	75.2	—	144 400	148 200	4 750
45	SL183009	400	45	75	23	2	—	55.3	62.2	66.85	59 800	72 200	5 225
	SL182209	590	45	85	23	1	—	57.5	69.8	74.43	85 500	94 000	4 750
	SL192309	1 370	45	100	36	3	56.1	62.5	80.3	—	153 900	163 400	4 275
50	SL183010	430	50	80	23	2	—	59.1	67.7	72.33	75 000	91 200	4 750
	SL182210	640	50	90	23	1	—	64.4	76.7	81.4	92 100	107 300	4 370
	SL192310	1 810	50	110	40	3	60.72	68.3	89.7	—	197 600	208 000	3 900
55	SL183011	640	55	90	26	2	—	68.5	78.8	83.54	101 600	131 100	4 275
	SL182211	870	55	100	25	1	—	70	84.1	88.81	118 700	142 500	4 000
	SL192311	2 280	55	120	43	3	67.11	75.5	99.3	—	229 900	242 200	3 500
60	SL182912	290	60	85	16	1	—	69	74.4	78.55	54 100	74 100	4 275
	SL183012	690	60	95	26	2	—	71.7	82.1	86.74	104 500	137 700	4 000
	SL182212	1 180	60	110	28	1.5	—	76.8	93.9	99.17	144 400	171 000	3 600
	SL192312	2 880	60	130	46	3	73.62	82	105.8	—	247 000	266 000	3 200
65	SL182913	310	65	90	16	1	—	75.7	81	85.24	57 000	81 700	4 000
	SL183013	730	65	100	26	2	—	78.1	88.4	93.09	110 200	151 000	3 700
	SL182213	1 570	65	120	31	1.5	—	82.3	100.7	106.25	169 100	203 300	3 325
	SL192313	3 520	65	140	48	3.5	80.69	90	116.5	—	299 200	337 200	3 050
70	SL182914	490	70	100	19	1	—	81.2	87.8	92.31	75 000	108 300	3 600
	SL183014	1 020	70	110	30	3	—	81.5	95.6	100.28	130 100	167 200	3 420
	SL182214	1 660	70	125	31	1.5	—	87	105.2	111.45	174 800	215 600	3 150
	SL192314	4 330	70	150	51	3.5	84.14	93.5	121.6	—	327 700	370 500	2 750



Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)				Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
			d	D	B	s	F	d ₁	D ₁	E	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
75	SL182915	520	75	105	19	1	—	86.3	92.8	97.41	77 000	115 000	3 420
	SL183015	1 060	75	115	30	3	—	89	103.2	107.9	137 700	184 300	3 230
	SL182215	1 750	75	130	31	1.5	—	91.8	110	116.2	180 500	229 000	3 040
	SL192315	5 300	75	160	55	3.5	91.22	101.6	131.5	—	389 500	451 200	2 660
80	SL182916	550	80	110	19	1	—	91.4	98	102.51	79 800	122 500	3 230
	SL183016	1 430	80	125	34	4	—	95	111.7	117.4	164 300	213 700	3 040
	SL182216	2 150	80	140	33	1.5	—	98.6	119.3	126.3	214 700	270 700	2 750
	SL192316	6 320	80	170	58	3.5	98.24	109.5	142.1	—	456 000	532 000	2 470
85	SL182917	810	85	120	22	1	—	96.4	105	109.58	99 700	153 900	3 040
	SL183017	1 510	85	130	34	4	—	99.4	116.1	121.25	169 100	225 100	2 850
	SL182217	2 740	85	150	36	1.5	—	104.4	126.3	133.75	242 200	308 700	2 660
	SL192317	7 340	85	180	60	4	107.01	118.2	150.9	—	484 500	589 000	2 000
90	SL182918	840	90	125	22	1	—	102	110.7	115.75	103 500	163 400	2 850
	SL183018	1 970	90	140	37	4	—	106.1	124.5	130.65	197 600	266 000	2 660
	SL182218	3 480	90	160	40	2.5	—	110.2	133.3	141.15	275 500	351 500	2 470
	SL192318	8 830	90	190	64	4	105.26	117.5	152.5	—	532 000	627 000	2 185
95	SL182919	860	95	130	22	1	—	106.7	117	122.25	112 100	170 000	2 750
	SL182219	4 170	95	170	43	2.5	—	122	147.3	155.95	323 000	413 200	2 280
	SL192319	1 020	95	200	67	4	114.65	126.6	161.9	—	551 000	684 000	2 090
100	SL182920	1 140	100	140	24	1.5	—	113.4	125.7	130.95	129 200	195 700	2 565
	SL183020	2 150	100	150	37	4	—	115.7	134	140.2	208 000	294 500	2 470
	SL182220	5 130	100	180	46	2.5	—	127.5	154.3	163.35	375 200	494 000	2 185
	SL192320	13 000	100	215	73	4	119.3	132.7	172.8	—	674 500	817 000	2 000
110	SL182922	1 230	110	150	24	1.5	—	124	136.2	141.5	133 000	190 000	2 375
	SL183022	3 500	110	170	45	5.5	—	127.3	149.3	156.7	270 700	375 200	2 185
	SL182222	7 240	110	200	53	4	—	137	168	177.6	432 200	560 500	2 000
	SL192322	17 000	110	240	80	5	134.27	151.1	199.9	—	807 500	931 000	1 800
120	SL182924	1 730	120	165	27	1.5	—	134.8	149	154.3	171 000	280 200	2 185
	SL183024	3 800	120	180	46	5.5	—	138.8	160.7	168.15	285 000	413 200	2 090
	SL182224	9 080	120	215	58	4	—	150.7	183	192.9	513 000	693 500	1 800
	SL192324	22 300	120	260	86	5	147.39	164.2	213.1	—	1 130 000	1 178 000	1 615
130	SL182926	2 330	130	180	30	2	—	146	161.1	167.15	238 000	337 500	2 000
	SL183026	5 650	130	200	52	5.5	—	148.6	175.5	184.4	435 000	589 000	1 900
	SL182226	11 250	130	230	64	5	—	162.3	197	207.75	630 000	817 000	1 710



Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)			Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
			d	D	B	s	d ₁ ≈	D ₁ ≈	E	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
140	SL182928	2 420	140	190	30	2	157	174	180	220 000	365 000	1 900
	SL183028	6 040	140	210	53	5.5	162.2	189.5	198.4	432 000	646 000	1 805
	SL182228	14 470	140	250	68	5	173.9	211.1	222.55	684 000	969 000	1 615
150	SL182930	3 770	150	210	36	2.5	169	189.6	196.75	289 000	465 000	1 710
	SL183030	7 330	150	225	56	7	170	198	207.45	456 000	674 000	1 615
	SL182230	18 430	150	270	73	6	185.5	225.2	237.35	788 000	1 121 000	1 425
160	SL182932	4 000	160	220	36	2.5	179.7	200.5	207.6	304 000	494 000	1 615
	SL183032	8 800	160	240	60	7	184.8	215.8	225.45	522 000	779 000	1 520
	SL182232	23 000	160	290	80	6	208.7	253.4	267.1	978 000	1 415 000	1 330
170	SL182934	4 300	170	230	36	2.5	190.6	211.3	218.45	313 000	532 000	1 520
	SL183034	12 200	170	260	67	7	198.1	232.7	243.55	674 000	1 016 000	1 425
	SL182234	28 650	170	310	86	7	220.3	267.4	281.9	1 092 000	1 596 000	1 330
180	SL182936	6 200	180	250	42	3	200.7	224	231.85	389 000	655 000	1 425
	SL183036	16 100	180	280	74	7	212.2	249.4	261	779 000	1 197 000	1 330
	SL182236	29 800	180	320	86	7	232.4	279.5	294	1 130 000	1 691 000	1 235
190	SL182938	6 500	190	260	42	2	211.5	238.5	244.15	432 000	750 000	1 330
	SL183038	17 000	190	290	75	9	221.8	259	270.6	798 000	1 254 000	1 330
	SL182238	35 650	190	340	92	9	243.5	295.5	311.5	1 244 000	1 824 000	1 140
200	SL181840	2 570	200	250	24	2	216.6	231.6	237.6	173 000	313 000	1 330
	SL182940	9 100	200	280	48	3	225.5	252.4	261.6	522 000	912 000	1 330
	SL183040	21 800	200	310	82	9	236.6	276.2	288.6	912 000	1 453 000	1 235
220	SL182240	43 120	200	360	98	9	246.6	302.4	319.4	1 349 000	1 938 000	1 140
	SL181844	2 800	220	270	24	2	237.3	252.3	258.5	182 000	346 000	1 235
	SL182944	9 900	220	300	48	3	246.3	273.2	282.45	551 000	997 000	1 140
240	SL183044	28 400	220	340	90	9	254.6	299.2	312	1 102 000	1 748 000	1 140
	SL181848	4 290	240	300	28	2	260.5	281	287.5	212 000	413 000	1 140
	SL182948	10 600	240	320	48	3	267.5	294.4	303.7	579 000	1 083 000	1 140
260	SL183048	30 900	240	360	92	11	277.5	322.1	336	1 159 000	1 909 000	1 045
	SL181852	4 610	260	320	28	2	281	301.5	308	222 000	451 000	1 045
	SL182952	18 500	260	360	60	5	291.5	323.4	333.7	750 000	1 396 000	950
280	SL183052	44 500	260	400	104	11	304	358.4	375.97	1 539 000	2 422 000	950
	SL181856	6 890	280	350	33	2.5	304	327	335	299 000	589 000	950
	SL182956	19 700	280	380	60	3.5	314	348.5	359.5	874 000	1 653 000	950
300	SL183056	48 000	280	420	106	11	319.5	372.9	390.3	1 586 000	2 565 000	900

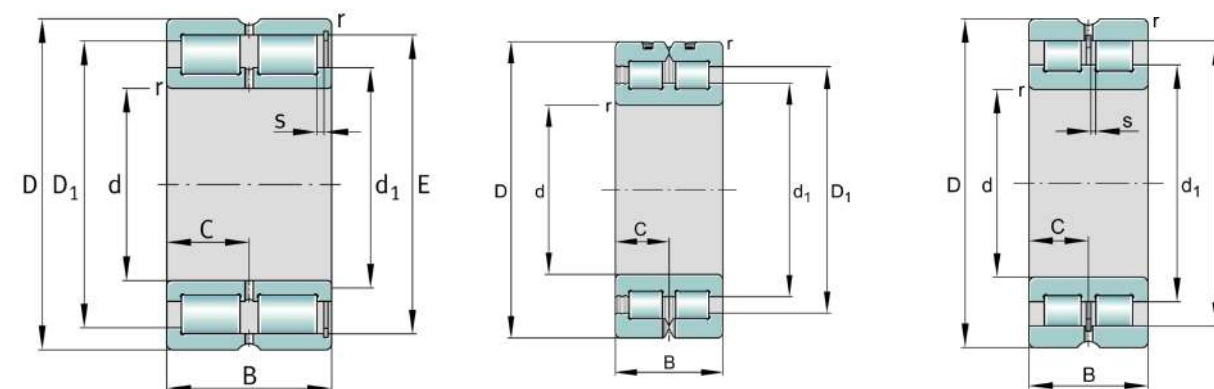
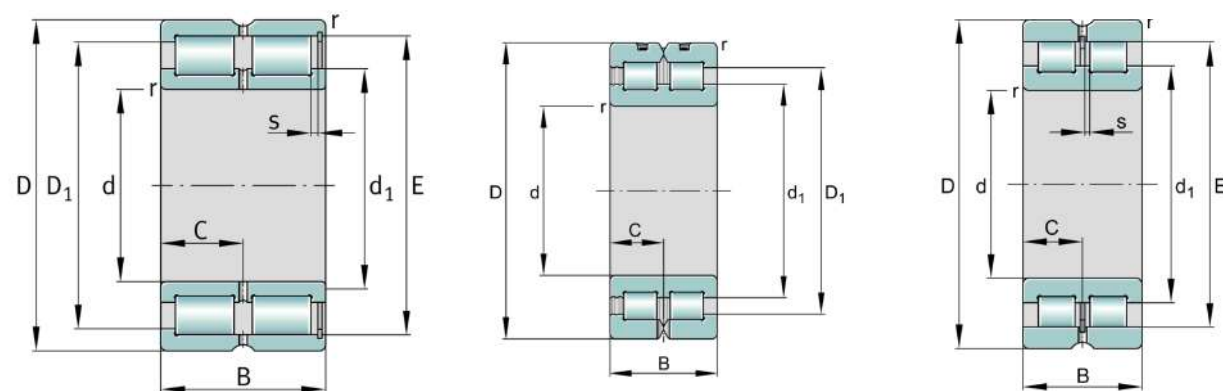


Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)			Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
			d	D	B	s ¹	d ₁ ≈	D ₁ ≈	E	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
300	SL181860	9 790	300	380	38	3	323.5	350.5	360	361 000	712 000	900
	SL182960	31 200	300	420	72	5	338	376.9	389.45	1 121 000	2 118 000	855
	SL183060	66 600	300	460	118	14	353.6	415.6	434.85	1 938 000	3 182 000	805
320	SL181864	10 360	320	400	38	3	344.5	371.5	381	370 000	760 000	855
	SL182964	32 900	320	440	72	5	358.5	397.4	409.85	1 159 000	2 251 000	805
	SL183064	71 700	320	480	121	14	369.5	430.1	449.5	1 995 000	3 325 000	760
340	SL181868	10 930	340	420	38	3	365.5	392.5	402.2	384 000	789 000	805
	SL182968	34 700	340	460	72	5	379	418.5	430.2	1 197 000	2 375 000	760
	SL183068	95 800	340	520	133	16	396.1	463.9	485.65	2 375 000	3 942 000	710
360	SL181872	11 490	360	440	38	3	387	413.5	423.5	404 000	845 000	760
	SL182972	36 400	360	480	72	5	399.5	438.6	450.6	1 225 000	2 517 000	710
	SL183072	101 000	360	540	134	16	414	481.6	503.45	2 422 000	4 132 000	665
380	SL181876	18 870	380	480	46	4	415.5	448	459	560 000	1 130 000	710
	SL182976	52 100	380	520	82	5	426	472.1	486.7	1 586 000	3 182 000	665
	SL183076	106 000	380	560	135	16	431.7	499.5	521.25	2 470 000	4 275 000	665
400	SL181880	19 810	400	500	46	4	432	464.5	475.5	570 000	1 197 000	665
	SL182980	54 300	400	540	82	5	450	496.3	510.85	1 643 000	3 382 000	665
	SL183080	140 000	400	600	148	18	462.5	535.1	558.52	2 945 000	5 130 000	615
420	SL181884	20 600	420	520	46	4	457	489.5	500	589 000	1 244 000	665
	SL182984	56 900	420	560	82	5	462	509	522.95	1 662 000	3 420 000	615
	SL183084	111 000	420	600	148	18	473.5	544.6	562	2 004 000	3 942 000	570
440	SL181888	21 540	440	540	46	4	473.5	506	517	598 000	1 311 000	615
	SL182988	78 100	440	600	95	7	490	544.6	562	2 004 000	3 942 000	570
	SL183088	140 000	440	660	148	18	501.5	541	554	750 000	1 596 000	570
460	SL181892	33 210	460	580	56	5	501.5	541	554	750 000	1 596 000	570
	SL182992	81 100	460	620	95	7	504	559.6	576.3	2 033 000	4 085 000	570
	SL183092	140 000	460	680	148	18	515.5	561	574.5	2 033 000	4 085 000	570
480	SL181896	34 530	480	600	56	5	522	561	574.5	769 000	1 653 000	570
	SL182996	94 700	480	650	100	7	538	596.6	614.75	2 289 000	4 607 000	520
	SL183096	140 000	480	710	148	18	542	581.5	594.5	788 000	1 738 000	570
500	SL1818/500	35 730	500	620	56	5	542	581.5	594.5	788 000	1 738 000	570
	SL1829/500	98 300	500	670	100	7	553	612.7	630	2 327 000	4 750 000	520
	SL1830/500	140 000	500	730	148	18	553	612.7	630	2 327 000	4 750 000	520



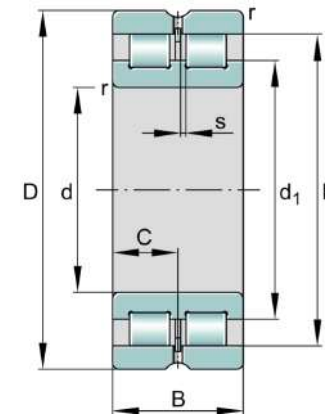
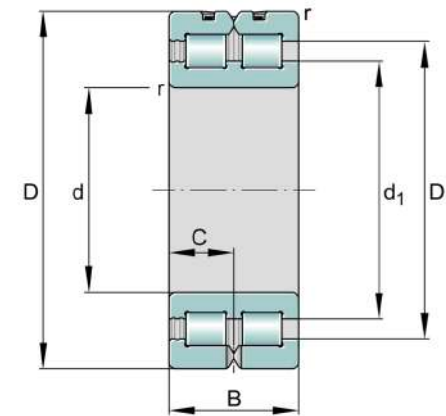
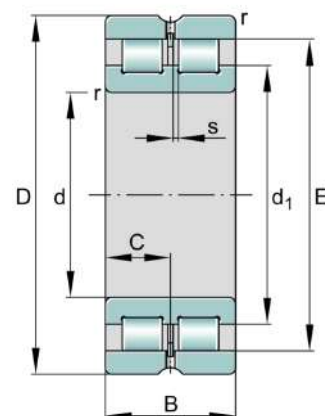
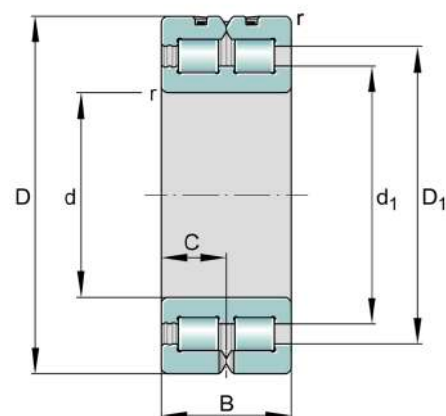
CYLINDRICAL ROLLER BEARINGS, FULL COMPLEMENT ROLLER SET, DOUBLE ROW, SEMI-LOCATING BEARINGS, LOCATING BEARINGS, NON-LOCATING BEARINGS
CUSCINETTI RADIALI A RULLI CILINDRICI A PIENO RIEMPIMENTO, A DUE CORONE, CUSCINETTI DI APPOGGIO, CUSCINETTI BLOCCATI, CUSCINETTI LIBERI

CYLINDRICAL ROLLER BEARINGS, FULL COMPLEMENT ROLLER SET, DOUBLE ROW, SEMI-LOCATING BEARINGS, LOCATING BEARINGS, NON-LOCATING BEARING
CUSCINETTI RADIALI A RULLI CILINDRICI A PIENO RIEMPIMENTO, A DUE CORONE, CUSCINETTI DI APPOGGIO, CUSCINETTI BLOCCATI, CUSCINETTI LIBERI



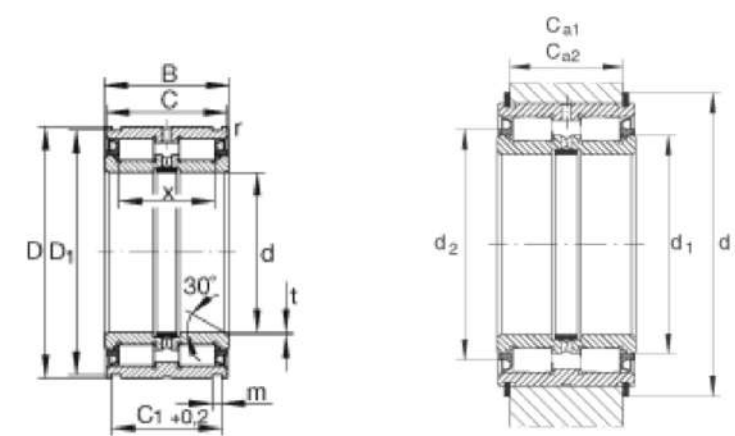
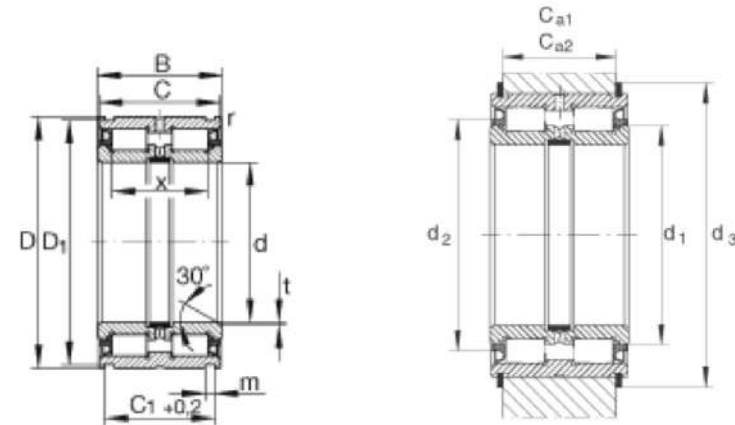
Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation			Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)				Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
	Cuscinetto di appoggio Semi-locating bearings	Cuscinetto bloccati Locating bearings	Cuscinetto liberi Non-locating bearings		d	D	B	s	C	d ₁ ≈	D ₁ ≈	E	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
20	SL185004	–	–	200	20	42	30	1	15	28.4	33.3	36.81	45 000	50 000	9 500
25	SL185005	–	–	230	25	47	30	1	15	34.5	39	42.51	51 000	61 000	8 550
30	SL185006	–	–	350	30	55	34	1.5	17	40	45.3	49.6	66 000	81 000	7 125
35	SL185007	–	–	460	35	62	36	1.5	18	44.9	51.2	55.52	80 000	103 000	6 175
40	SL185008	–	–	560	40	68	38	1.5	19	50.5	57.2	61.74	96 000	129 000	5 700
45	SL185009	–	–	710	45	75	40	1.5	20	55.3	62.6	66.85	102 000	143 000	5 225
50	SL185010	–	–	760	50	80	40	1.5	20	59.1	67.6	72.33	128 000	181 000	4 750
55	SL185011	–	–	1 160	55	90	46	1.5	23	68.5	78.7	83.54	165 000	261 000	4 275
60	–	SL014912	–	490	60	85	25	–	12.5	70.3	73.5	–	67 000	118 000	4 275
	–	–	SL024912	470	60	85	25	1	12.5	70.3	–	77.51	67 000	118 000	4 275
	SL185012	–	–	1 240	60	95	46	1.5	23	71.7	81.9	86.74	179 000	275 000	3 990
65	SL185013	–	–	1 320	65	100	46	1.5	23	78.1	88.3	93.09	189 000	304 000	3 705
70	–	SL014914	–	780	70	100	30	–	15	82.5	87.4	–	102 000	179 000	3 610
	–	–	SL024914	750	70	100	30	1	15	82.5	–	91.87	102 000	179 000	3 610
	SL185014	–	–	1 850	70	110	54	3	27	81.5	95.7	100.28	223 000	337 000	3 420
75	SL185015	–	–	1 930	75	115	54	3	27	89	102.9	107.9	235 000	370 000	3 230
80	–	SL014916	–	880	80	110	30	–	15	91.4	96.2	–	109 000	200 000	3 230
	–	–	SL024916	850	80	110	30	1	15	91.4	–	100.78	109 000	200 000	3 230
	SL185016	–	–	2 590	80	125	60	3.5	30	95	111.7	117.4	280 000	427 000	3 040
85	SL185017	–	–	2 720	85	130	60	3.5	30	99	116.1	121.95	289 000	451 000	2 850
90	–	SL014918	–	1 350	90	125	35	–	17.5	103.9	110.7	–	147 000	280 000	2 850
	–	–	SL024918	1 300	90	125	35	1.5	17.5	103	–	115.2	147 000	280 000	2 850
	SL185018	–	–	3 620	90	140	67	4	33.5	106.1	124.5	130.65	337 000	532 000	2 660
100	–	SL014920	–	1 950	100	140	40	–	20	116.4	125	–	186 000	361 000	2 565
	–	–	SL024920	1 900	100	140	40	2	20	116.4	–	129.6	186 000	361 000	2 565
	SL185020	–	–	3 940	100	150	67	4	33.5	115.7	134	140.2	356 000	589 000	2 470
110	–	SL014922	–	2 150	110	150	40	–	20	125	133.6	–	193 000	389 000	2 375
	–	–	SL024922	2 100	110	150	40	2	20	125	–	138.2	193 000	389 000	2 375
	SL185022	–	–	6 320	110	170	80	5	40	127.3	149.3	156.7	465 000	750 000	2 185
120	–	SL014924	–	2 950	120	165	45	–	22.5	138.6	148.6	–	216 000	432 000	2 185
	–	–	SL024924	2 850	120	165	45	3	22.5	138.6	–	153.55	216 000	432 000	2 185
	SL185024	–	–	6 700	120	180	80	5	40	138.8	160.7	168.15	494 000	826 000	2 090

Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation			Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)				Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
	Cuscinetto di appoggio Semi-locating bearings	Cuscinetto bloccati Locating bearings	Cuscinetto liberi Non-locating bearings		d	D	B	s	C	d ₁ ≈	D ₁ ≈	E	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
130	–	SL014926	–	3 950	130	180	50	–	25	148.4	160	–	251 000	503 000	1 995
	–	–	SL024926	3 800	130	180	50	4	25	149.5	–	165.4	251 000	503 000	1 995
	SL185026	–	–	10 200	130	200	95	5	47.5	148.6	175.5	184.4	703 000	1 168 000	1 900
140	–	SL014928	–	4 200	140	190	50	–	25	159	170.5	–	261 000	541 000	1 900
	–	–	SL024928	4 100	140	190	50	4	25	160	–	175.9	261 000	541 000	1 900
	SL185028	–	–	11 100	140	210	95	5	47.5	162.6	189.5	198.4	741 000	1 292 000	1 805
150	–	SL014830	–	2 900	150	190	40	–	20	165.1	174.2	–	225 000	522 000	1 805
	–	–	SL024830	2 800	150	190	40	2	20	165.1	–	178.3	225 000	522 000	1 805
	–	–	SL014930	6 650	150	210	60	–	30	171.8	187.2	–	394 000	798 000	1 710
	–	–	SL024930	6 450	150	210	60	4	30	171.8	–	192.77	394 000	798 000	1 710
	SL185030	–	–	13 300	150	225	100	6	50	170	198	207.45	779 000	1 349 000	1 645
160	–	SL014832	–	3 100	160	200	40	–	20	173.7	182.8	–	230 000	551 000	1 710
	–	–	SL024832	3 000	160	200	40	2	20	173.7	–	186.9	230 000	551 000	1 710
	–	–	SL014932	7 000	160	220	60	–	30	184.2	200.3	–	413 000	855 000	1 615
	–	–	SL024932	6 800	160	220	60	4	30	184.2	–	206.16	413 000	855 000	1 615
170	–	SL014834	–	4 100	170	215	45	–	22.5	186.3	197	–	251 000	589 000	1 615
	–	–	SL024834	3 950	170	215	45	3	22.5	186.3	–	201.3	251 000	589 000	1 615
	–	–	SL014934	7 350	170	230	60	–	30	193.1	209.1	–	422 000	902 000	1 520
	–	–	SL024934	7 100	170	230	60	4	30	193.1	–	215.08	422 000	902 000	1 520
180	–	SL014836	–	4 300	180	225	45	–	22.5	199.1	209.8	–	261 000	627 000	1 520
	–	–	SL024836	4 150	180	225	45	3	22.5	199.1	–	214.1	261 000	627 000	1 520
	–	–	SL014936	10 800	180	250	69	–	34.5	204.9	224.1	–	551 000	1 168 000	1 425
	–	–	SL024936	10 500	180	250	69	4	34.5	204.9	–	230.5	551 000	1 168 000	1 425
190	–	SL014838	–	5 650	190	240	50	–	25	207.6	220.7	–	299 000	712 000	1 425
	–	–	SL024838	5 450	190	240	50	4	25	207.6	–	225	299 000	712 000	1 425
	–	–	SL014938	11 200	190	260	69	–	34.5	215	234.3	–	560 000	1 225 000	1 330
	–	–	SL024938	10 900	190	260	69	4	34.5	215	–	240.7	560 000	1 225 000	1 330
200	–	SL014840	–	5 900	200	250	50	–	25	218.1	231.2	–	308 000	750 000	1 330
	–	–	SL024840	5 700	200	250	50	4	25	218.1	–	235.5	308 000	750 000	1 330
	–	–	SL014940	15 800	200	280	80	–	40	230.5	252.3	–	655 000	1 406 000	1 330
	–	–	SL024940	15 300	200	280	80	5	40	230.5	–	259.34	655 000	1 406 000	1 330



Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation		Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)				Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
	Cuscinetto bloccati Locating bearings	Cuscinetto liberi Non-locating bearings		d	D	B	s	C	d1 ≈	D1 ≈	E	Dinamico C Dynamic C	Statico C0 Static C0	
220	SL014844	–	6 400	220	270	50	–	25	239.1	252.3	–	323 000	826 000	1 235
	–	SL024844	6 200	220	270	50	4	25	239.1	–	256.5	323 000	826 000	1 235
	SL014944	–	17 200	220	300	80	–	40	248	268.5	–	684 000	1 510 000	1 140
	–	SL024944	16 700	220	300	80	5	40	248	–	276.52	684 000	1 510 000	1 140
240	SL014848	–	10 000	240	300	60	–	30	259.5	276.7	–	494 000	1 225 000	1 140
	–	SL024848	9 900	240	300	60	4	30	259.5	–	281.9	494 000	1 225 000	1 140
	SL014948	–	18 500	240	320	80	–	40	270.6	292.3	–	712 000	1 653 000	1 140
	–	SL024948	17 900	240	320	80	5	40	270.6	–	299.46	712 000	1 653 000	1 140
260	SL014852	–	11 000	260	320	60	–	30	281.8	298.8	–	513 000	1 330 000	1 045
	–	SL024852	10 600	260	320	60	4	30	281.8	–	304.2	513 000	1 330 000	1 045
	SL014952	–	32 000	260	360	100	–	50	294.5	322.1	–	1 064 000	2 375 000	950
	–	SL024952	31 200	260	360	100	6	50	294.5	–	331.33	1 064 000	2 375 000	950
280	SL014856	–	16 000	280	350	69	–	34.5	306.8	326.4	–	674 000	1 767 000	950
	–	SL024856	15 600	280	350	69	4	34.5	306.8	–	332.4	674 000	1 767 000	950
	SL014956	–	34 000	280	380	100	–	50	316.5	344.6	–	1 111 000	2 565 000	950
	–	SL024956	33 100	280	380	100	6	50	316.5	–	353.34	1 111 000	2 565 000	950
300	SL014860	–	23 000	300	380	80	–	40	327.9	349.9	–	788 000	2 014 000	900
	–	SL024860	22 000	300	380	80	6	40	327.9	–	356.7	788 000	2 014 000	900
	SL014960	–	53 000	300	420	118	–	59	340.7	374.3	–	1 567 000	3 610 000	855
	–	SL024960	51 900	300	420	118	6	59	340.7	–	385.51	1 567 000	3 610 000	855
320	SL014864	–	24 000	320	400	80	–	40	350.9	372.9	–	817 000	2 166 000	855
	–	SL024864	23 500	320	400	80	6	40	350.9	–	379.7	817 000	2 166 000	855
	SL014964	–	56 000	320	440	118	–	59	367.5	401.1	–	1 634 000	3 895 000	805
	–	SL024964	54 900	320	440	118	6	59	367.5	–	412.27	1 634 000	3 895 000	805
340	SL014868	–	25 500	340	420	80	–	40	368.1	390.1	–	836 000	2 270 000	805
	–	SL024868	25 000	340	420	80	6	40	368.1	–	396.9	836 000	2 270 000	805
	SL014968	–	59 000	340	460	118	–	59	385.3	418.9	–	1 681 000	4 085 000	760
	–	SL024968	57 800	340	460	118	6	59	385.3	–	430.11	1 681 000	4 085 000	760

Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation		Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)				Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed
	Cuscinetto bloccati Locating bearings	Cuscinetto liberi Non-locating bearings		d	D	B	s	C	d1 ≈	D1 ≈	E	Dinamico C Dynamic C	Statico C0 Static C0	
360	SL014872	–	27 000	360	440	80	–	40	391	413.2	–	864 000	2 422 000	760
	–	SL024872	26 000	360	440	80	6	40	391	–	419.8	864 000	2 422 000	760
	SL014972	–	62 100	360	480	118	–	59	404	436.8	–	1 719 000	4 275 000	712
	–	SL024972	60 800	360	480	118	6	59	404	–	447.95	1 719 000	4 275 000	712
380	SL014876	–	45 500	380	480	100	–	50	419	447.2	–	1 263 000	3 372 000	712
	–	SL024876	44 000	380	480	100	6	50	419	–	455.8	1 263 000	3 372 000	712
	SL014976	–	92 400	380	520	140	–	70	430.2	468.7	–	2 166 000	5 320 000	665
	–	SL024976	90 500	380	520	140	7	70	430.2	–	481.35	2 166 000	5 320 000	665
400	SL014880	–	46 500	400	500	100	–	50	433.8	462	–	1 292 000	3 515 000	665
	–	SL024880	45 800	400	500	100	6	50	433.8	–	470.59	1 292 000	3 515 000	665
	SL014980	–	96 500	400	540	140	–	70	450.5	489	–	2 223 000	5 605 000	665
	–	SL024980	94 600	400	540	140	7	70	450.5	–	501.74	2 223 000	5 605 000	665



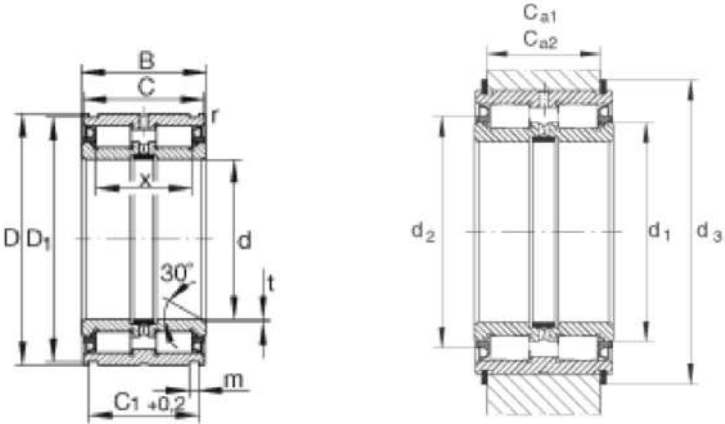
Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)								
			d	D	B	C	C1	D1	m	t	x
20	SL045004-PP	200	20	42	30	29	24.7	40.2	1.8	0.5	22.5
25	SL045005-PP	240	25	47	30	29	24.7	45.2	1.8	0.5	22.5
30	SL045006-PP	370	30	55	34	33	28.2	53	2.1	0.5	25.5
35	SL045007-PP	480	35	62	36	35	30.2	60	2.1	0.5	27.5
40	SL045008-PP	560	40	68	38	37	32.2	65.8	2.7	0.8	28.5
45	SL045009-PP	700	45	75	40	39	34.2	72.8	2.7	0.8	30.5
50	SL045010-PP	760	50	80	40	39	34.2	77.8	2.7	0.8	30.5
55	SL045011-PP	1 180	55	90	46	45	40.2	87.4	3.2	1	36
60	SL045012-PP	1 260	60	95	46	45	40.2	92.4	3.2	1	36
65	SL045013-PP	1 330	65	100	46	45	40.2	97.4	3.2	1	36
70	SL045014-PP	1 870	70	110	54	53	48.2	107.1	4.2	1	42
75	SL045015-PP	1 960	75	115	54	53	48.2	112.1	4.2	1	42
80	SL045016-PP	2 710	80	125	60	59	54.2	122.1	4.2	1.5	48
85	SL045017-PP	2 830	85	130	60	59	54.2	127.1	4.2	1.5	48
90	SL045018-PP	3 710	90	140	67	66	59.2	137	4.2	1.5	54
95	SL045019-PP	3 880	95	145	67	66	59.2	142	4.2	1.5	54
100	SL045020-PP	3 950	100	150	67	66	59.2	147	4.2	1.5	54
110	SL045022-PP	6 570	110	170	80	79	70.2	167	4.2	1.8	64
120	SL045024-PP	7 040	120	180	80	79	71.2	176	4.2	1.8	64
130	SL045026-PP	10 500	130	200	95	94	83.2	196	4.2	1.8	77
	SL04130-PP	7 500	130	190	80	79	71.2	186	4.2	1.8	64
140	SL045028-PP	11 100	140	210	95	94	83.2	206	5.2	1.8	77
	SL04140-PP	8 000	140	200	80	79	71.2	196	4.2	1.8	64
150	SL045030-PP	13 300	150	225	100	99	87.2	221	5.2	2	80
	SL04150-PP	8 400	150	210	80	79	71.2	206	5.2	1.8	64
160	SL045032-PP	16 600	160	240	109	108	95.2	236	5.2	2	89
	SL04160-PP	8 800	160	220	80	79	71.2	216	5.2	1.8	64

Dimensioni di montaggio (mm) Mounting dimensions (mm)					Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed	Anello elastico AES Elastic rings AES	Anello di ancoraggio Retaining rings
Ca1 -0,2	Ca2 -0,2	d1	d2	d3 1)	Dinamico C Dynamic C	Statico C0 Static C0			
21.5	21	30.55	34	47	40 500	49 000	4 000	AES42	42X1,75
21.5	21	35.35	39	52	44 500	58 000	3 600	AES47	47X1,75
25	24	40.6	44	60	50 000	67 000	3 000	AES55	55X2
27	26	46.1	50	67	63 000	88 000	2 600	AES62	62X2
28	27	51.4	55	75	76 000	103 000	2 400	AES68	68X2,5
30	29	57	61	82	92 000	130 000	2 200	AES75	75X2,5
30	29	61.8	66	87	97 000	142 000	2 000	AES80	80X2,5
35	34	68.6	73	99	115 000	175 000	1 800	AES90	90X3
35	34	73.7	79	104	120 000	189 000	1 700	AES95	95X3
35	34	78.8	84	109	125 000	203 000	1 600	AES100	100X3
43	40	84.5	91	119	168 000	265 000	1 400	AES110	110X4
43	40	89.95	97	124	194 000	300 000	1 400	AES115	115X4
49	46	97.1	105	137	203 000	325 000	1 300	AES125	125X4
49	46	103.9	112	142	211 000	350 000	1 200	AES130	130X4
54	51	109.3	118	152	305 000	510 000	1 100	AES140	140X4
54	51	113.35	122	157	315 000	530 000	1 100	AES145	145X4
54	51	117.35	128	162	330 000	550 000	1 000	AES150	150X4
65	62	131.55	143	182	395 000	680 000	900	AES170	170X4
65	63	140.9	153	196	410 000	740 000	900	AES180	180X4
77	75	156.75	170	216	540 000	960 000	800	AES200	200X4
65	63	150.55	160	206	430 000	790 000	800	AES190	190X4
77	73	165.4	181	226	610 000	1 100 000	750	AES210	210X5
65	63	159.95	170	216	445 000	840 000	750	AES200	200X4
81	77	175.7	192	245	710 000	1 260 000	700	AES225	225X5
65	61	174.4	185	226	465 000	920 000	700	AES210	210X5
89	85	189	207	260	740 000	1 360 000	650	AES240	240X5
65	61	184.05	196	236	480 000	970 000	700	AES220	220X5

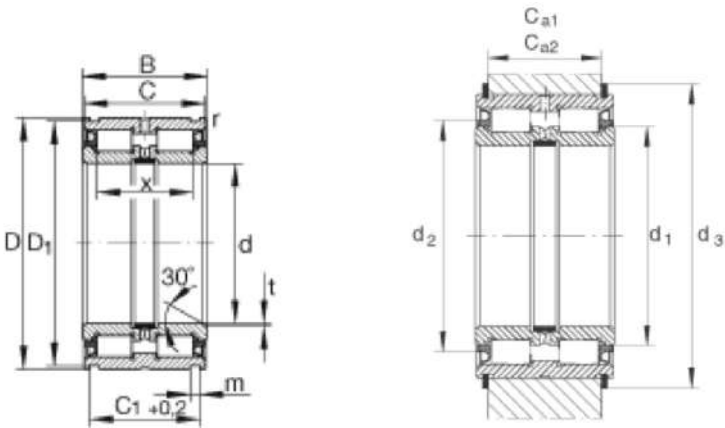
¹⁾ Per anelli elastici AES - For AES elastic rings

²⁾ Per anelli di ancoraggio - For retaining rings

³⁾ Montaggio obbligatorio con anelli AES (vedi pag. 194 e indice) - Obligatory assembly with AES rings (pag. 194 and index)



Diametro albero (mm) Shaft Diameter (mm)	Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)								
			d	D	B	C	C1	D1 ≈	m	t	x
170	SL045034-PP	22 600	170	260	122	121	107.2	254	5.2	2	100
	SL04170-PP	9 300	170	230	80	79	71.2	226	5.2	1.8	64
180	SL045036-PP	30 100	180	280	136	135	118.2	274	5.2	2	112
	SL04180-PP	9 800	180	240	80	79	71.2	236	5.2	1.8	64
190	SL045038-PP	31 500	190	290	136	135	118.2	284	5.2	2	112
	SL04190-PP	12 700	190	260	80	79	73.2	254	5.2	1.8	64
200	SL045040-PP	40 800	200	310	150	149	128.2	304	6.3	2	126
	SL04200-PP	13 200	200	270	80	79	73.2	264	5.2	1.8	64
220	SL045044-PP	52 500	220	340	160	159	138.2	334	6.3	2	132
	SL04220-PP	19 500	220	300	95	94	83.2	294	5.2	2	72
240	SL045048-PP	56 000	240	360	160	159	138.2	354	6.3	2	132
	SL04240-PP	21 000	240	320	95	94	83.2	314	6.3	2	72
260	SL045052-PP	84 500	260	400	190	189	162.2	394	6.3	3	150
	SL04260-PP	22 500	260	340	95	94	83.2	334	6.3	3	75
280	SL045056-PP	90 000	280	420	190	189	163.2	413	7.3	3	150
300	SL045060-PP	126 000	300	460	218	216	185.2	453	7.3	3	170
	SL04300-PP	25 500	300	380	95	94	83.2	374	6.3	3	75

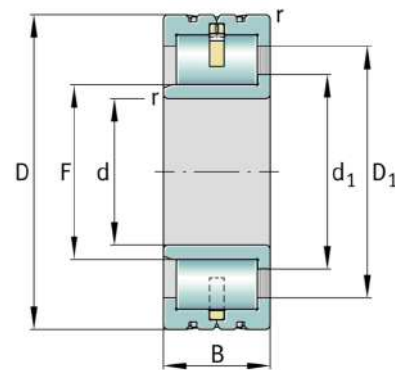


Dimensioni di montaggio (mm) Mounting dimensions (mm)					Coefficienti di carico (N) Basic Load Rating (N)		Velocità limite Limiting Speed	Anello elastico AES Elastic rings AES	Anello di ancoraggio Retaining rings
Ca1 -0,2	Ca2 -0,2	d1	d2	d3 ¹⁾	Dinamico C Dynamic C	Statico C0 Static C0			
99	97	200.7	220	282	960 000	1 750 000	600	AES260	260X5
65	61	193.9	206	250	490 000	1 030 000	650	AES230	230X5
110	108	217.8	239	302	1 140 000	2 130 000	550	AES280	280X5
65	61	203.1	216	260	500 000	1 080 000	600	AES240	240X5
110	108	225.65	248	312	1 160 000	2 210 000	550	AES290	290X5
65	63	217.55	231	282	520 000	1 130 000	550	AES260	260X5
120	116	243.05	267	336	1 350 000	2 600 000	500	AES310	310X6
65	63	227.15	241	292	540 000	1 210 000	550	AES270	270X5
130	126	259.85	286	366	1 570 000	3 050 000	480	AES340	340X6
75	73	248.7	264	322	700 000	1 550 000	480	AES300	300X5
130	126	279.25	305	386	1 630 000	3 300 000	440	AES360	360X6
75	71	271.7	287	346	740 000	1 700 000	480	AES320	320X6
154	150	304.95	336	426	2 380 000	4 700 000	400	AES400	400X6
75	71	292.7	310	366	840 000	1 990 000	440	AES340	340X6
154	149	320.95	354	453	2 600 000	5 200 000	380	AES420	420X7
176	171	346.85	375	493	3 000 000	5 800 000	340	AES460	460X7
75	71	328	346	406	900 000	2 250 000	380	AES380	380X6

¹⁾ Per anelli elastici AES - For AES elastic rings

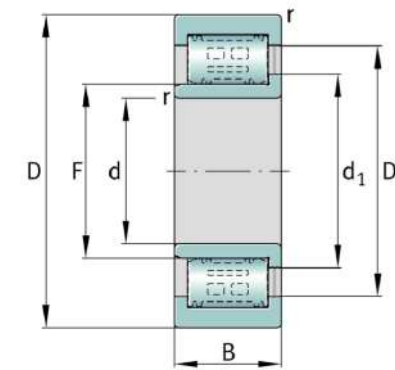
²⁾ Per anelli di ancoraggio - For retaining rings

³⁾ Montaggio obbligatorio con anelli AES (vedi pag. 194 e indice) - Obligatory assembly with AES ring (pag. 194 and index)



Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting speed
		d	D	B	s ¹⁾	F	d ₁	D ₁	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
LSL192316	6 100	80	170	58	3.5	94.00	104.50	134.80	475 000	495 000	8 800
LSL192317	7 300	85	180	60	4	100.00	111.30	143.90	500 000	520 000	8 300
LSL192318	8 600	90	190	64	4	105.26	117.20	152.50	590 000	610 000	7 900
LSL192319	10 000	95	200	67	4	114.66	126.60	161.00	610 000	660 000	7 500
LSL192320	12 800	100	215	73	4	119.30	132.70	172.00	636 500	760 000	6 175
LSL192322	17 300	110	240	80	5	135.50	150.70	193.10	750 500	893 000	5 320
LSL192324	22 000	120	260	86	5	147.39	164.20	213.10	902 500	1 092 500	5 035
LSL192326	27 200	130	280	93	5	157.90	176.00	227.90	1 016 500	1 235 000	4 655
LSL192328	34 000	140	300	102	7	168.45	187.50	243.20	1 140 000	1 396 500	4 370
LSL192330	40 700	150	320	108	7	182.49	203.30	263.90	1 349 000	1 691 000	3 990
LSL192332	48 100	160	340	114	7	196.38	219.00	284.80	1 520 000	1 919 000	3 700
LSL192334	57 500	170	360	120	7	230.55	226.60	295.40	1 662 500	2 118 500	3 600
LSL192336	67 400	180	380	126	7	221.56	245.00	313.30	1 757 500	2 318 000	3 325
LSL192338	78 100	190	400	132	7	224.43	250.00	325.50	2 004 500	2 612 500	3 230
LSL192340	89 300	200	420	138	7	238.45	265.70	345.90	2 232 500	2 897 500	3 040
LSL192344	108 000	220	460	145	7	266.71	297.00	385.90	2 375 000	3 040 000	2 750
LSL192348	138 600	240	500	155	10	280.55	312.50	406.10	2 612 500	3 372 500	2 565
LSL192352	168 000	260	540	165	10	315.60	351.60	457.20	3 230 000	4 180 000	2 280
LSL192356	206 600	280	580	175	12	333.10	371.00	485.00	3 515 000	4 607 500	2 185
LSL192360	253 000	300	620	185	12	350.93	390.90	508.50	3 942 500	5 320 000	2 090

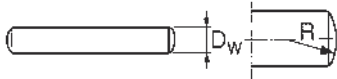
²⁾ Gabbia a disco in ottone.
Machined brass disc cage



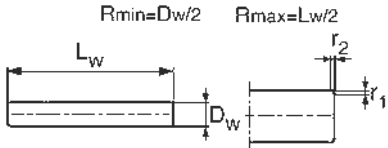
Sigla Designation	Peso (g) Weight (g)	Dimensioni (mm) Dimensions (mm)				Dimensioni di montaggio (mm) Mounting dimensions (mm)			Coefficienti di carico (N) Basic load rating (N)		Velocità limite Limiting speed
		d	D	B	s ¹⁾	F	d ₁	D ₁	Dinamico C Dynamic C	Statico C ₀ Static C ₀	
ZSL192305	360	25	62	24	2	31.72	36.70	47.50	57 950	52 250	15 200
ZSL192306	550	30	72	27	2	38.30	43.50	56.00	79 800	76 950	13 300
ZSL192307	720	35	80	31	2	44.68	50.70	65.80	100 700	98 800	11 400
ZSL192308	1 000	40	90	33	2	51.12	57.50	75.20	135 850	136 800	10 450
ZSL192309	1 340	45	100	36	3	56.10	62.50	80.30	145 350	152 000	9 500
ZSL192310	1 760	50	110	40	3	60.72	68.30	89.70	186 200	191 900	8 550
ZSL192311	2 220	55	120	43	3	67.11	75.50	99.30	216 600	224 200	7 600
ZSL192312	2 820	60	130	46	3	73.62	82.00	105.8	231 800	247 000	7 000
ZSL192313	3 440	65	140	48	3.5	80.69	90.00	116.50	385 000	313 500	6 450
ZSL192314	4 270	70	150	51	3.5	84.14	93.50	121.60	313 500	346 750	6 080
ZSL192315	5 200	75	160	55	3.5	91.22	101.60	131.90	370 500	418 000	5 700
ZSL192316	6 200	80	170	58	3.5	98.24	109.50	142.10	432 250	494 000	5 320
ZSL192317	7 230	85	180	60	4	107.01	118.20	150.90	460 750	541 500	5 050
ZSL192318	8 700	90	190	64	4	105.26	117.50	152.50	503 500	579 500	4 750
ZSL192319	10 000	95	200	67	4	114.65	126.60	161.90	532 000	636 500	4 550
ZSL192320	12 700	100	215	73	4	119.30	132.70	172.80	636 500	760 000	4 180
ZSL192322	16 500	110	240	80	5	134.27	151.10	199.90	760 000	864 500	3 800
ZSL192324	21 900	120	260	86	5	147.39	164.20	213.10	902 500	1 092 500	3 500

²⁾ Distanziali in plastica, temperatura d'esercizio ammissibile a +120°C (funzionamento continuo).
Plastic spacers, permissible operating temperature +120°C (continuous operation)

NEEDLE ROLLERS
RULLINI



Forma A - Applicazioni speciali
A form - Special applications



Forma B - Applicazioni generiche
B form - Generic applications

Sigla Designation	Peso per 1000 pz. (kg) Weight for 1000 Pcs(kg)	Dimensioni (mm) Dimensions (mm)					
		Dw	Lw	r1 min.	r2 1) min.		
NR 1 x 5,8	0.034	1	5.8	0.1	0.4	0.1	0.6
NR 1 x 6,8	0.042	1	6.8	0.1	0.4	0.1	0.6
NR 1 x 7,8	0.047	1	7.8	0.1	0.4	0.1	0.6
NR 1 x 9,8	0.059	1	9.8	0.1	0.4	0.1	0.6
NR 1,5 x 5,8	0.080	1.5	5.8	0.1	0.4	0.1	0.6
NR 1,5 x 6,8	0.094	1.5	6.8	0.1	0.4	0.1	0.6
NR 1,5 x 7,8	0.108	1.5	7.8	0.1	0.4	0.1	0.6
NR 1,5 x 9,8	0.136	1.5	9.8	0.1	0.4	0.1	0.6
NR 1,5 x 11,8	0.164	1.5	11.8	0.1	0.4	0.1	0.6
NR 1,5 x 13,8	0.191	1.5	13.8	0.1	0.4	0.1	0.6
NR 2 x 6,3	0.140	2	6.3	0.2	0.6	0.2	0.8
NR 2 x 7,8	0.190	2	7.8	0.2	0.6	0.2	0.8
NR 2 x 9,8	0.240	2	9.8	0.2	0.6	0.2	0.8
NR 2 x 11,8	0.290	2	11.8	0.2	0.6	0.2	0.8
NR 2 x 13,8	0.340	2	13.8	0.2	0.6	0.2	0.8
NR 2 x 15,8	0.390	2	15.8	0.2	0.6	0.2	0.8
NR 2 x 17,8	0.440	2	17.8	0.2	0.6	0.2	0.8
NR 2 x 19,8	0.490	2	19.8	0.2	0.6	0.2	0.8
NR 2 x 21,8	0.540	2	21.8	0.2	0.6	0.2	0.8
NR 2,5 x 7,8	0.300	2.5	7.8	0.2	0.6	0.2	0.8
NR 2,5 x 9,8	0.380	2.5	9.8	0.2	0.6	0.2	0.8
NR 2,5 x 11,8	0.450	2.5	11.8	0.2	0.6	0.2	0.8
NR 2,5 x 13,8	0.530	2.5	13.8	0.2	0.6	0.2	0.8
NR 2,5 x 15,8	0.610	2.5	15.8	0.2	0.6	0.2	0.8
NR 2,5 x 17,8	0.690	2.5	17.8	0.2	0.6	0.2	0.8
NR 2,5 x 19,8	0.760	2.5	19.8	0.2	0.6	0.2	0.8
NR 2,5 x 21,8	0.840	2.5	21.8	0.2	0.6	0.2	0.8
NR 2,5 x 23,8	0.920	2.5	23.8	0.2	0.6	0.2	0.8
NR 3 x 9,8	0.540	3	9.8	0.2	0.6	0.2	0.8
NR 3 x 11,8	0.650	3	11.8	0.2	0.6	0.2	0.8
NR 3 x 13,8	0.760	3	13.8	0.2	0.6	0.2	0.8
NR 3 x 15,8	0.870	3	15.8	0.2	0.6	0.2	0.8
NR 3 x 17,8	0.990	3	17.8	0.2	0.6	0.2	0.8
NR 3 x 19,8	1.10	3	19.8	0.2	0.6	0.2	0.8
NR 3 x 21,8	1.21	3	21.8	0.2	0.6	0.2	0.8
NR 3 x 23,8	1.32	3	23.8	0.2	0.6	0.2	0.8
NR 3 x 25,8	1.43	3	25.8	0.2	0.6	0.2	0.8
NR 3 x 27,8	1.54	3	27.8	0.2	0.6	0.2	0.8
NR 3 x 29,8	1.61	3	29.8	0.2	0.6	0.2	0.8

Sigla Designation	Peso per 1000 pz. (kg) Weight for 1000 Pcs(kg)	Dimensioni (mm) Dimensions (mm)					
		Dw	Lw	r1 min.	r2 1) min.		
NR 3,5 x 11,8	0.91	3.5	11.8	0.3	0.8	0.3	1.0
NR 3,5 x 13,8	1.05	3.5	13.8	0.3	0.8	0.3	1.0
NR 3,5 x 15,8	1.19	3.5	15.8	0.3	0.8	0.3	1.0
NR 3,5 x 17,8	1.35	3.5	17.8	0.3	0.8	0.3	1.0
NR 3,5 x 19,8	1.51	3.5	19.8	0.3	0.8	0.3	1.0
NR 3,5 x 21,8	1.67	3.5	21.8	0.3	0.8	0.3	1.0
NR 3,5 x 23,8	1.85	3.5	23.8	0.3	0.8	0.3	1.0
NR 3,5 x 25,8	1.96	3.5	25.8	0.3	0.8	0.3	1.0
NR 3,5 x 27,8	2.10	3.5	27.8	0.3	0.8	0.3	1.0
NR 3,5 x 29,8	2.25	3.5	29.8	0.3	0.8	0.3	1.0
NR 3,5 x 34,8	2.65	3.5	34.8	0.3	0.8	0.3	1.0
NR 4 x 11,8	1.16	4	11.8	0.3	0.8	0.3	1.0
NR 4 x 13,8	1.36	4	13.8	0.3	0.8	0.3	1.0
NR 4 x 15,8	1.55	4	15.8	0.3	0.8	0.3	1.0
NR 4 x 17,8	1.75	4	17.8	0.3	0.8	0.3	1.0
NR 4 x 19,8	1.95	4	19.8	0.3	0.8	0.3	1.0
NR 4 x 21,8	2.14	4	21.8	0.3	0.8	0.3	1.0
NR 4 x 23,8	2.33	4	23.8	0.3	0.8	0.3	1.0
NR 4 x 25,8	2.53	4	25.8	0.3	0.8	0.3	1.0
NR 4 x 27,8	2.62	4	27.8	0.3	0.8	0.3	1.0
NR 4 x 29,8	2.95	4	29.8	0.3	0.8	0.3	1.0
NR 4 x 34,8	3.40	4	34.8	0.3	0.8	0.3	1.0
NR 4 x 39,8	3.90	4	39.8	0.3	0.8	0.3	1.0
NR 5 x 15,8	2.43	5	15.8	0.3	0.8	0.3	1.0
NR 5 x 19,8	3.03	5	19.8	0.3	0.8	0.3	1.0
NR 5 x 21,8	3.36	5	21.8	0.3	0.8	0.3	1.0
NR 5 x 23,8	3.58	5	23.8	0.3	0.8	0.3	1.0
NR 5 x 25,8	3.98	5	25.8	0.3	0.8	0.3	1.0
NR 5 x 27,8	4.18	5	27.8	0.3	0.8	0.3	1.0
NR 5 x 29,8	4.60	5	29.8	0.3	0.8	0.3	1.0
NR 5 x 34,8	5.40	5	34.8	0.3	0.8	0.3	1.0
NR 5 x 39,8	6.15	5	39.8	0.3	0.8	0.3	1.0
NR 5 x 49,8	7.50	5	49.8	0.3	0.8	0.3	1.0
NR 6 x 17,8	3.95	6	17.8	0.3	0.8	0.3	1.0
NR 6 x 21,8	4.83	6	21.8	0.3	0.8	0.3	1.0
NR 6 x 23,8	5.28	6	23.8	0.3	0.8	0.3	1.0
NR 6 x 25,8	5.72	6	25.8	0.3	0.8	0.3	1.0
NR 6 x 39,8	8.83	6	39.8	0.3	0.8	0.3	1.0

1) Valori medi
1) Medium values



Bearings & Components

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