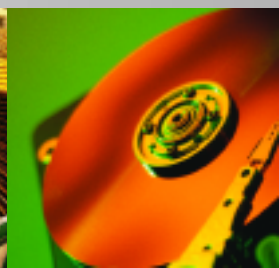
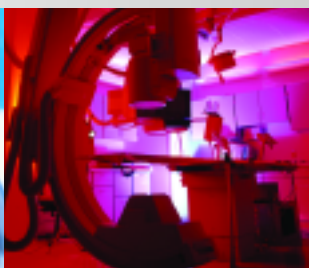
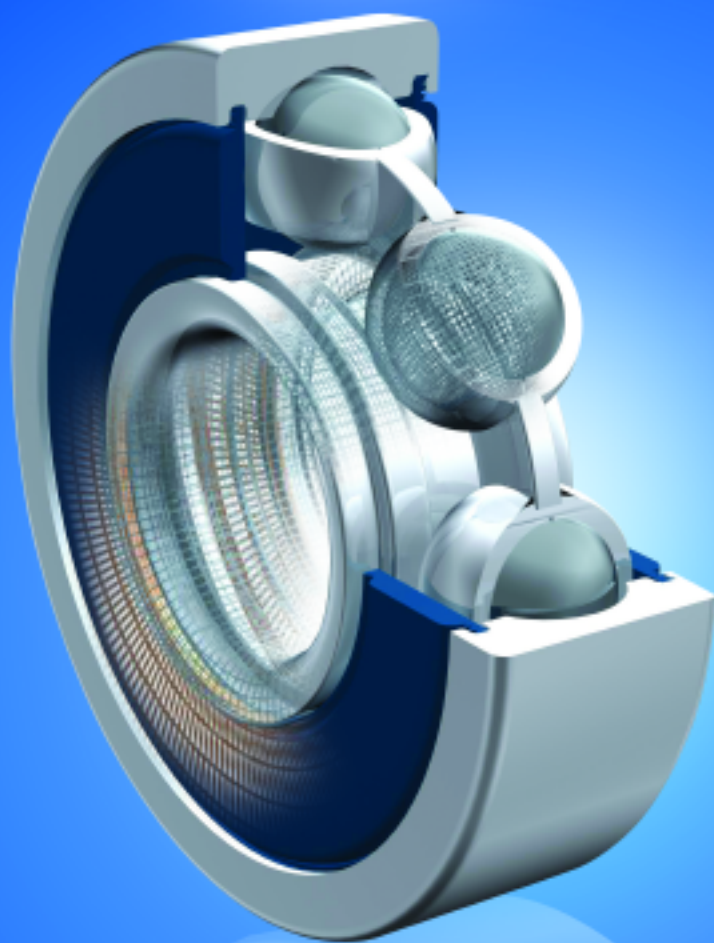


ZON

Bearings for your future





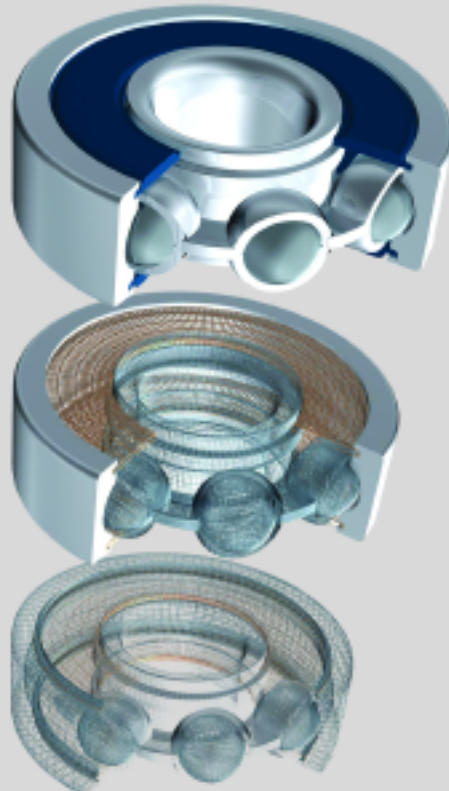
Bearings for your future

Zen Ball Bearings are manufactured to the highest quality for standard and non-standard applications. Our technical department can modify any non-standard bearings to your specific requirements, regardless of quantity.




















Apart from our extensive miniature ball bearing range of more than 1000 different types, ranging from 1-10 mm bore (Including inch dimensions), our range also includes Thin section, Three part thrust, Popular metric and any kind of non standard bearing. We are able to design bearings according to your requirements using new materials like ceramic or special steels for applications in Industry, Medicine, Chemistry and Food Processing.

Our technical department can modify any non-standard bearings to your specific requirements, even for small quantities.

For any items not listed in our catalogue, please contact our experienced sales team.



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Material

S = Rostfreier Stahl / [Stainless Steel](#)
 Kein Präfix / [No Prefix](#) = Chromstahl / [Chrome Steel](#)

Referenz / Bearing type

MF = Metrisch mit Flansch / [Metric with Flange](#)
 MR = Metrisch / [Metric](#)
 R = Zöllig / [Inch](#)
 FR = Zöllig mit Flansch / [Inch with Flange](#)
 F = Metrisch mit Flansch / [Metric with Flange](#)
 Kein Präfix / [No Prefix](#) = Metrisch / [Metric](#)

Typenbezeichnung / Bearing Part Number**Dichtscheiben / Shields**

2Z = Metaldichtscheiben / [Metalshields](#)
 2RS = Gummidichtscheiben / [Rubbershields](#)
 2TS = Teflondichtscheiben / [Teflonseals](#)
 Kein Suffix / [No Suffix](#) = offen / [open](#)

S	FR	144	-2Z	. . . Abm./Dimen. . . .
	FR	85		”
		635	-2RS	”
S		682X		”

Allgemeine Merkmale / General Details

Material	Komponenten Components		Merkmale Details	Anwendungsbereiche Application
	Ringe Rings	Kugeln Balls		
Kugellagerchromstahl Ball Bearing Chrome Steel 100 Cr6 (Nr. 1.3505)	X	X	Gute Verschleißfestigkeit Hard wearing Schlag- und Korrosionsbeständigkeit Good shock and corrosive resistance	Standard Standard
Rostbeständiger Stahl Stainless Steel AISI 440 C (Nr. 1.4125)*	X	X	Sehr gute Korrosionsbeständigkeit Very good corrosion resistance	Nahrungsmittel, Pharma, Schiffsbau und andere korrosive Umgebungen food industry, pharmaceutical industry, ship building and other corrosive surroundings

*Die statische und dynamische Belastung von AISI 440 C-Lagern liegt bei ca. 75-80% von 100 Cr6-Lagern.

*The static and dynamic load rating of AISI 440 C - ball bearings is approximately 75-80% of the 100 Cr6 - ball bearings.

Technische Merkmale / Technical Details

Material	Härte Hardness	Max. Temp. Max. Temp.	C	Si	Mn	P	S	Cr	Mo
100 Cr6 (Nr. 1.3505)	60-64HRC	max. 150°C	0,5~1,10	0,15~0,35	≤0,5	≤0,025	≤0,025	1,3~1,6	≤0,08
AISI 440 C (Nr. 1.4125)	≥58HRC	Max. 230°C	0,95~1,2	≤1,1	≤1,0	≤0,04	≤0,03	16,0~18,0	≤0,75

Toleranzklassen / Tolerance Class

Toleranzklassen Tolerance class	Äquivalenzen / Equivalences	
	ISO	AFBMA
DIN P0	Klasse class 0	ABEC 1
DIN P6	Klasse class 6	ABEC 3
DIN P5	Klasse class 5	ABEC 5

Tolerance of inner ring (ISO)

d(mm)		dmp					ds		Vdp								Vdmp					
		P0		P6	P5	P4	P4		P0		P6		P5		P4		P0	P6	P5	P4		
							Diameter series		Diameter series		Diameter series		Diameter series		Diameter series							
Over	incl.	Upper	Lower	Lower	Lower	Lower	Upper	Lower	Max.		Max.		Max.		Max.		Max.	Max.	Max.	Max.		
0.6(1)	2.5	0	-8	-7	-5	-4	0	-4	10	8	6	9	7	5	5	4	4	3	6	5	3	2
2.5	10	0	-8	-7	-5	-4	0	-4	10	8	6	9	7	5	5	4	4	3	6	5	3	2
10	18	0	-8	-7	-5	-4	0	-4	10	8	6	9	7	5	5	4	4	3	6	5	3	2
18	30	0	-10	-8	-6	-5	0	-5	13	10	8	10	8	6	6	5	5	4	8	6	3	2.5
30	50	0	-12	-10	-8	-6	0	-6	15	12	9	13	10	8	8	6	6	5	9	8	4	3

Remarks 1: The upper value of the bore diameter in this table is not applicable when the distance from the bearing ring face is less than 1.2 times the chamferdimension rsmax

Remarks 2: According to the revision of ANSI/ABMA Std,20-1996, the classes ABEC1-ABEC3-ABEC5-ABEC7 are equivalent to SS0-CLASS6-CLASS5-CLASS4.

Tolerance of outer ring (ISO)

D(mm)		dmp					ds		VDp								Dmp							
		P0		P6	P5	P4	P0		P6		P5		P4		P0	P6	P5	P4						
							Open	Seal Shield	Open	Seal Shield	Open		Open											
Over	incl.	Upper	Lower	Lower	Lower	Upper	Lower	Max.		Max.		Max.		Max.		Max.	Max.	Max.	Max.					
2.5(1)	6	0	-8	-7	-5	-4	0	-4	10	8	6	10	9	7	5	9	5	4	4	3	6	5	3	2
6	18	0	-8	-7	-5	-4	0	-4	10	8	6	10	9	7	5	9	5	4	4	3	6	5	3	2
18	30	0	-9	-8	-6	-5	0	-5	12	9	7	12	10	8	6	10	6	5	5	4	7	6	3	2.5
30	50	0	-11	-9	-7	-6	0	-6	14	11	8	16	11	9	7	13	7	5	6	5	8	7	4	3
50	80	0	-13	-11	-9	-7	0	-7	16	13	10	20	14	11	8	16	9	7	7	5	10	8	5	3.5

Remarks 1: The lower value of the outside diameter in this table is not applicable when the distance from the bearing ring face is less than 1.2 times the chamfer dimension rsmax

Remarks 2: According to the revision of ANSI/ABMA Std,20-1996, the classes ABEC1-ABEC3-ABEC5-ABEC7 are equivalent to CLASS0-CLASS6-CLASS5-CLASS4.

Radial internal clearance of standard radial ball bearings

"NOMINAL BORE DIAMETER d(mm)		CLEARANCE									
		C2		CN(C0)		C3		C4		C5	
OVER	INCL.	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
10(ONLY)		0	7	2	13	8	23	14	29	20	37
10	18	0	9	3	18	11	25	18	33	25	45
18	24	0	10	5	20	13	28	20	36	28	48
24	30	1	11	5	20	13	28	23	41	30	53
30	40	1	11	6	20	15	33	28	46	40	64
40	50	1	11	6	23	18	36	30	51	45	73

NOTE: 1. FOR MEASURING CLEARANCE, OFFSET BY COMPENSATION FACTOR LISTED BELOW

Bs(Cs)			VBs(VCs)				Kla				Sd		Sla		d(mm)	
Single bearing			Inner/outer ring		Inner ring		P0	P6	P5	P4	P5	P4	P5	P4	Over	Incl.
P0	P5	P6	P4	P0	P6	P5										
Upper	Lower	Lower	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0	-40	-40	12	12	5	2.5	10	5	4	2.5	7	3	7	3	0.6(1)	2.5
0	-120	-40	15	15	5	2.5	10	6	4	2.5	7	3	7	3	2.5	10
0	-120	-80	20	20	5	2.5	10	7	4	2.5	7	3	7	3	10	18
0	-120	-120	20	20	5	2.5	13	8	4	3	8	4	8	4	18	30
0	-120	-120	20	20	5	3	15	10	5	4	8	4	8	4	30	50

Note(1): 0.6mm is included in this classification.

Note(2): The inner ring width variation is the same for the outer ring of the same bearing size, CLASS5 and CLASS4 referring to outer ring only.

Bs(Cs)			VBs(VCs)				Kla				Sd		Sla		d(mm)	
Single bearing			Inner/outer ring		Inner ring		P0	P6	P5	P4	P5	P4	P5	P4	Over	incl.
P0	P5	P6	P4	P0	P6	P5										
Upper	Lower	Lower	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0	-40	-40	12	12	5	2.5	10	5	4	2.5	7	3	7	3	0.6(1)	2.5
0	-120	-40	15	15	5	2.5	10	6	4	2.5	7	3	7	3	2.5	10
0	-120	-80	20	20	5	2.5	10	7	4	2.5	7	3	7	3	10	18
0	-120	-120	20	20	5	2.5	13	8	4	3	8	4	8	4	18	30
0	-120	-120	20	20	5	3	15	10	5	4	8	4	8	4	30	50

Note(1): 0.6mm is included in this classification.

Note(2): The inner ring width variation is the same for the outer ring of the same bearing size, CLASS5 and CLASS4 referring to outer ring only.

Limiting speeds :

The values shown in the catalogue are approximated values. Depending on the tolerance class, mounting tolerances, lubrication, cage, surrounding temperature, etc., different values can be obtained. The limiting speeds for RS- and TS-shielded bearings are significant lower. Please contact Engineering for special cases.

Max. Drehzahlen:






Die im Katalog angegebenen Werte sind ungefähre Werte. Abhängig von der Toleranzklasse, Einbautoleranzen, Befettung, Käfigtype, Umgebungstemperatur, etc., können unterschiedliche Werte realisiert werden. Die maximalen Drehzahlen für RS- und TS-gedichtete Lager sind deutlich geringer. Bitte erfragen Sie die Werte in besonderen Fällen.

Load ratings:

Load ratings are calculated based on material 100 Cr 6. The rates are approximately 20% lower for stainless steel.






Tragzahlen:

Die Tragzahlen beziehen sich auf 100 Cr 6 (Chromstahl). Die Werte für rostfreien Stahl sind ungefähr 20% niedriger.

	Design Design	Spezifikation Specification	Vorteile/Nachteile Advantage/Disadvantage
	- Keine Dichtung no seals	Offen open	Kein Reibungswiderstand no friction Einfache Nachschmierung easy to relube Starke Verschmutzung no protection against contamination
	2Z Metalldichtscheiben metal shields	Nichtschleifende Dichtung non contact seals	Kein Reibungswiderstand no friction Gute Abdichtung gegen Schmutz good protection against contamination
	2RS Gummidichtscheiben rubber seals	Schleifende Dichtung aus Kunststoff contact seals made of synthetic rubber	Erhöhter Reibungswiderstand higher friction Ausgezeichnete Abdichtung gegen Schmutz very good protection against contamination
	2TS Teflondichtscheiben teflon seals	Schleifende Dichtung aus Teflon contact seals made of teflon	Geringer Reibungswiderstand low friction Ausgezeichnete Abdichtung gegen Schmutz very good protection against contamination Gute chemische Eigenschaften good chemical characteristics
	2TZ Metalldichtscheibe mit Teflondichtscheibe teflon seals	Schleifende Dichtung aus Teflon contact seals made of teflon	Geringer Reibungswiderstand low friction Ausgezeichnete Abdichtung gegen Schmutz very good protection against contamination Gute chemische Eigenschaften good chemical characteristics

Schmierung / Lubrication

Schmiermittel Lubricant	Anmerkung Remarks	Vorteile/Anwendung Advantages/Applications
Kein Schmiermittel no lubricant	Nur bei Edelstahlagern oder mit Verwendung von Korrosionsschutz only with stainless steel bearings or with the use of corrosion preventive fluid	Wenn Schmierung vom Kunden gestellt wird when the lubrication is provided by the customer
Fett grease	Standardfüllung 30-40% standard filling 30-40%	Lebenslange Schmierung moeglich lifetime lubrication is possible Guter Korrosionsschutz good protection against corrosion Differenzierte Anwendungsmöglichkeiten je nach Fett according to the application a variety of greases can be used
Öl oil	-	Geringer Reibungswiderstand low friction Hohe Drehzahlen high revolution

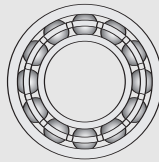
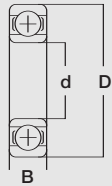
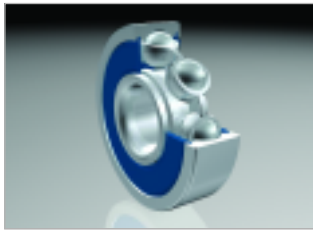
	Referenz Reference	Käfigtype Cage type	Vorteile Advantage
	FC	volkugelig / ohne Käfig Full Complement / No Cage	geringe Drehzahlen, hohe Belastungswerte Low Revolution high load rating
	W	Kronenkäfig Crown Cage	geringes Gewicht, geringe Reibung light weight, smooth, low friction
	J	Lappenkäfig Ribbon Cage	Standardkäfig, hohe Lebensdauer standard cage, good durability
	T9H	Kronenkäfig aus Kunststoff T9H Cage	geringes Gewicht, hohe Lebensdauer, hohe Drehzahlen light weight, strong, high speed
		Massivkäfig aus Kunststoff Phenolic cage	geringes Gewicht, hohe Lebensdauer, hohe Drehzahlen light weight, strong, high speed

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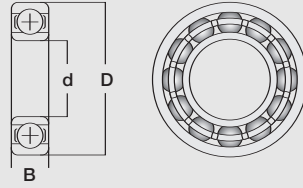
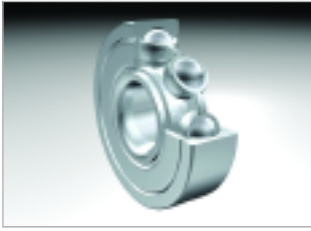
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standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	1,0	3,0	1,0	681	S681	-	-	-	-
flanged	1,0	3,0	1,0	F 681	SF 681	-	-	-	-
standard	1,0	4,0	1,6	691	S691	-	-	-	-
flanged	1,0	4,0	1,6	F 691	SF 691	-	-	-	-
standard	1,2	4,0	2,5	-	-	MR 41X-2Z	SMR 41X-2Z	-	-
standard	1,5	4,0	1,2	681X	S681X	-	-	-	-
flanged	1,5	4,0	1,2	F 681X	SF 681X	-	-	-	-
standard	1,5	4,0	2,0	-	-	681X-2Z	S681X-2Z	-	-
flanged	1,5	4,0	2,0	-	-	SF 681X-2Z	SF 681X-2Z	-	-
standard	1,5	5,0	1,7	-	SX 1,5	-	-	-	-
standard	1,5	5,0	2,0	691X	S691X	-	-	-	-
flanged	1,5	5,0	2,0	F 691X	SF 691X	-	-	-	-
standard	1,5	5,0	2,6	-	-	691X-2Z	S691X-2Z	-	-
flanged	1,5	5,0	2,6	-	-	F 691X-2Z	SF 691X-2Z	-	-
standard	1,5	6,0	2,5	601X	S601X	-	-	-	-
flanged	1,5	6,0	2,5	F 601X	SF 601X	-	-	-	-
standard	1,5	6,0	3,0	-	-	601X-2Z	S601X-2Z	-	-
flanged	1,5	6,0	3,0	-	-	F 601X-2Z	SF 601X-2Z	-	-
standard	2,0	4,0	1,2	672	S672	-	-	-	-
standard	2,0	5,0	1,5	682	S682	-	-	-	-
flanged	2,0	5,0	1,5	F 682	SF 682	-	-	-	-
standard	2,0	5,0	2,0	MR 52	SMR 52	-	-	-	-
standard	2,0	5,0	2,3	-	-	682-2Z	S682-2Z	-	-
flanged	2,0	5,0	2,3	-	-	F 682-2Z	SF 682-2Z	-	-
standard	2,0	5,0	2,5	-	-	MR 52-2Z	SMR 52-2Z	-	-
flanged	2,0	5,0	2,5	-	-	MF 52-2Z	SMF 52-2Z	-	-
standard	2,0	6,0	2,3	692	S692	692-2ZW2.3	S692-2ZW2.3	-	-
flanged	2,0	6,0	2,3	F 692	F 692	F 692-2ZW2.3	SF 692-2ZW2.3	-	-
standard	2,0	6,0	2,5	MR 62	SMR 62	MR 62-2Z	SMR 62-2Z	-	-
flanged	2,0	6,0	2,5	MF 62	SMF 62	MF 62-2Z	SMF 62-2Z	-	-
standard	2,0	6,0	3,0	-	-	692-2Z	S692-2Z	-	-
flanged	2,0	6,0	3,0	-	-	SF 692-2Z	SF 692-2Z	-	-

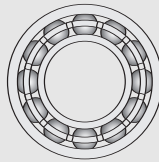
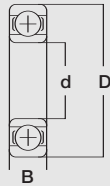
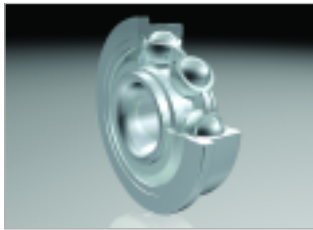
Miniaturrillenkugellager / Miniature Metric Series



standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	2,0	7,0	2,5	602	S602	-	-	-	-
standard	2,0	7,0	2,8	MR 72	SMR 72	-	-	-	-
standard	2,0	7,0	3,5	-	-	602-2Z	S602-2Z	-	-
flanged	2,0	7,0	3,5	-	-	F 602-2Z	SF 602-2Z	-	-
standard	2,0	7,0	3,0	-	-	MR 72-2Z	SMR 72-2Z	-	-
flanged	2,0	7,0	3,0	-	-	MF 72-2Z	SMF 72-2Z	-	-
standard	2,5	6,0	1,8	682X	S682X	-	-	-	-
flanged	2,5	6,0	1,8	F 682X	SF 682X	-	-	-	-
standard	2,5	6,0	2,6	-	-	682X-2Z	S682X-2Z	-	-
flanged	2,5	6,0	2,6	-	-	F 682X-2Z	SF 682X-2Z	-	-
standard	2,5	7,0	2,5	692X	S692X	-	-	-	-
flanged	2,5	7,0	2,5	F 692X	SF 692X	-	-	-	-
standard	2,5	7,0	3,0	-	-	SX 2,5-2Z	SX 2,5-2Z	-	-
standard	2,5	7,0	3,5	-	-	692X-2Z	S692X-2Z	-	-
flanged	2,5	7,0	3,5	-	-	F 692X-2Z	SF 692X-2Z	-	-
standard	2,5	8,0	2,5	MR 82X	SMR 82X	-	-	-	-
standard	2,5	8,0	2,8	602X	S602X	-	-	-	-
flanged	2,5	8,0	2,8	F602X	SF602X	-	-	-	-
standard	2,5	8,0	4,0	-	-	602X-2Z	S602X-2Z	-	-
flanged	2,5	8,0	4,0	-	-	F602X-2Z	SF 602X-2Z	-	-
standard	3,0	6,0	2,0	MR 63	SMR 63	-	-	-	-
flanged	3,0	6,0	2,0	MF 63	SMF 63	-	-	-	-
standard	3,0	6,0	2,5	-	-	MR 63-2Z	SMR 63-2Z	-	-
flanged	3,0	6,0	2,5	-	-	MF 63-2Z	SMF 63-2Z	-	-
standard	3,0	7,0	2,0	683	S683	-	-	-	-
flanged	3,0	7,0	2,0	F683	SF683	-	-	-	-
standard	3,0	7,0	3,0	-	-	683-2Z	S683-2Z	-	-
flanged	3,0	7,0	3,0	-	-	F683-2Z	SF 683-2Z	-	-
standard	3,0	8,0	2,5	MR 83	SMR 83	-	-	-	-
flanged	3,0	8,0	2,5	MF 83	SMF 83	-	-	-	-
standard	3,0	8,0	3,0	693	693	-	-	-	-
flanged	3,0	8,0	3,0	F693	SF 693	-	-	-	-

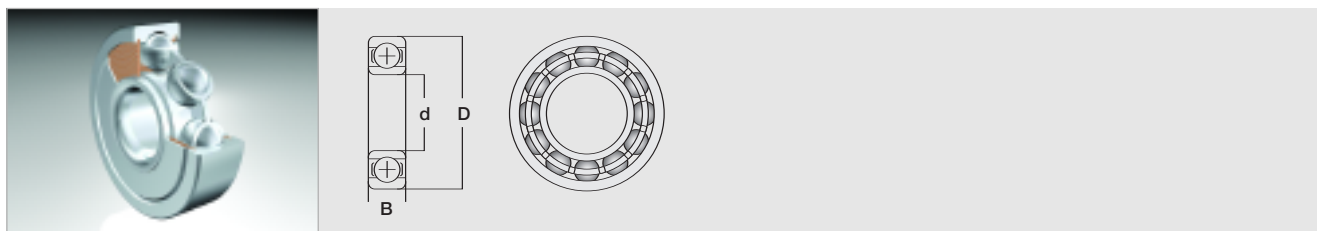
Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
386	129	60	71	W	< 1 g
386	129	63	75	W	< 1 g
386	129	60	71	W	< 1 g
386	129	60	71	W	< 1 g
386	129	63	75	W	< 1 g
386	129	63	75	W	< 1 g
209	74	71	80	W	< 1 g
209	74	71	80	W	< 1 g
209	74	71	80	W	< 1 g
209	74	71	80	W	< 1 g
386	129	63	75	W	< 1 g
386	129	63	75	W	< 1 g
386	129	63	75	W	< 1 g
386	129	63	75	W	< 1 g
386	129	63	75	W	< 1 g
558	180	60	67	W	< 1 g
552	177	60	71	W	< 1 g
552	177	60	71	W	< 1 g
552	177	60	71	W	< 1 g
552	177	60	71	W	< 1 g
209	74	71	80	W	< 1 g
209	74	71	80	W	< 1 g
209	74	71	80	W	< 1 g
209	74	71	80	W	< 1 g
311	112	63	75	W,J	< 1 g
311	112	63	75	W,J	< 1 g
311	112	63	75	W,J	< 1 g
311	112	63	75	W,J	< 1 g
395	141	60	67	W	< 1 g
395	141	60	67	W	< 1 g
558	180	60	67	W	< 1 g
558	180	60	67	W	< 1 g

Miniaturrillenkugellager / Miniature Metric Series



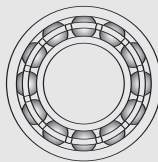
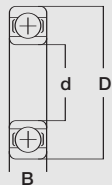
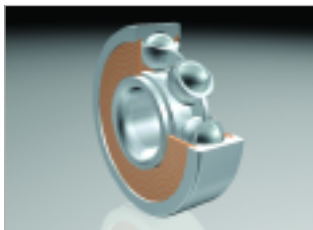
standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	3,0	8,0	3,0	-	-	MR 83-2Z	SMR 83-2Z	-	-
flanged	3,0	8,0	3,0	-	-	MF 83-2Z	SMF 83-2Z	-	-
standard	3,0	8,0	4,0	-	-	693-2Z	S693-2Z	-	-
flanged	3,0	8,0	4,0	-	-	F693-2Z	SF 693-2Z	-	-
standard	3,0	9,0	2,5	MR 93	SMR 93	-	-	-	-
flanged	3,0	9,0	2,5	MF 93	SMF 93	-	-	-	-
standard	3,0	9,0	3,0	603	S603	-	-	-	-
flanged	3,0	9,0	3,0	F 603	SF 603	-	-	-	-
standard	3,0	9,0	4,0	-	-	MR 93-2Z	SMR 93-2Z	-	-
flanged	3,0	9,0	4,0	-	-	MF 93-2Z	SMF 93-2Z	-	-
standard	3,0	9,0	5,0	-	-	603-2Z	S603-2Z	-	-
flanged	3,0	9,0	5,0	-	-	F 603-2Z	SF 603-2Z	-	-
standard	3,0	10,0	4,0	623	S623	623-2Z	S623-2Z	623-2RS	S623-2RS
flanged	3,0	10,0	4,0	F 623	SF 623	F 623-2Z	SF 623-2Z	F 623-2RS	SF 623-2RS
standard	3,0	13,0	5,0	-	-	633-2Z	S 633-2Z	-	-
standard	3,5	9,0	4,0	-	-	MR 93X-2Z	SMR 93X-2Z	-	-
standard	4,0	7,0	2,0	MR 74	SMR 74	-	-	-	-
flanged	4,0	7,0	2,0	MF 74	SMF 74	-	-	-	-
standard	4,0	7,0	2,5	-	-	MR 74-2Z	SMR 74-2Z	-	-
flanged	4,0	7,0	2,5	-	-	MF 74-2Z	SMF 74-2Z	-	-
standard	4,0	8,0	2,0	MR 84	SMR 84	-	-	-	-
flanged	4,0	8,0	2,0	MF 84	SMF 84	-	-	-	-
standard	4,0	8,0	3,0	-	-	MR 84-2Z	SMR 84-2Z	-	-
flanged	4,0	8,0	3,0	-	-	MF 84-2Z	SMF 84-2Z	-	-
standard	4,0	9,0	2,5	684	S 684	-	-	-	-
flanged	4,0	9,0	2,5	F 684	SF 684	-	-	-	-
standard	4,0	9,0	4,0	-	-	684-2Z	S 684-2Z	-	-
flanged	4,0	9,0	4,0	-	-	F 684-2Z	SF 684-2Z	-	-
standard	4,0	10,0	3,0	MR 104	SMR 104	-	-	-	-
flanged	4,0	10,0	3,0	MF 104	SMF 104	-	-	-	-
standard	4,0	10,0	4,0	-	-	MR 104-2Z	SMR 104-2Z	-	-
flanged	4,0	10,0	4,0	-	-	MF 104-2Z	SMF 104-2Z	-	-

Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
395	141	60	67	W	< 1 g
395	141	60	67	W	< 1 g
558	180	60	67	W	< 1 g
558	180	60	67	W	< 1 g
571	189	56	67	W	< 1 g
571	189	56	67	W	< 1 g
571	189	56	67	W	< 2 g
571	189	56	67	W	< 2 g
571	189	56	67	W	< 2 g
571	189	56	67	W	< 2 g
571	189	56	67	W	< 2 g
571	189	56	67	W	< 2 g
631	219	50	60	W,J	< 2 g
631	219	50	60	W,J	< 2 g
1301	488	40	48	J	< 4 g
571	189	56	67	W	< 3 g
255	108	60	67	W	< 1 g
255	108	60	67	W	< 1 g
255	108	60	67	W	< 1 g
255	108	60	67	W	< 1 g
395	141	56	67	W	< 1 g
395	141	56	67	W	< 1 g
395	141	56	67	W	< 2 g
395	141	56	67	W	< 2 g
641	227	53	63	W,J	< 2 g
641	227	53	63	W,J	< 2 g
641	227	53	63	W,J	< 2 g
641	227	53	63	W,J	< 2 g
711	272	48	56	W,J	< 2 g
711	272	48	56	W,J	< 2 g
711	272	48	56	W,J	< 2 g
711	272	48	56	W,J	< 2 g



standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	4,0	11,0	4,0	694	S694	694-2Z	S694-2Z	694-2RS	S694-2RS
flanged	4,0	11,0	4,0	F694	SF 694	F694-2Z	SF 694-2Z	F 694-2RS	SF694-2RS
standard	4,0	12,0	4,0	604	S604	604-2Z	S604-2Z	604-2RS	S604-2RS
flanged	4,0	12,0	4,0	F604	SF 604	F604-2Z	SF 604-2Z	F 604-2RS	SF604-2RS
standard	4,0	13,0	5,0	624	S624	624-2Z	S624-2Z	624-2RS	S624-2RS
flanged	4,0	13,0	5,0	F624	SF 624	F624-2Z	SF 624-2Z	F 624-2RS	SF624-2RS
standard	4,0	16,0	5,0	634	S634	634-2Z	S634-2Z	634-2RS	S634-2RS
flanged	4,0	16,0	5,0	F634	SF 634	F634-2Z	SF 634-2Z	F 634-2RS	SF634-2RS
standard	5,0	8,0	2,0	MR 85	SMR 85	-	-	-	-
flanged	5,0	8,0	2,0	MF 85	SMF 85	-	-	-	-
standard	5,0	8,0	2,5	-	-	MR 85-2Z	SMR 85-2Z	-	-
flanged	5,0	8,0	2,5	-	-	MF 85-2Z	SMF 85-2Z	-	-
standard	5,0	9,0	2,5	MR 95	SMR 95	-	-	-	-
flanged	5,0	9,0	2,5	MF 95	SMF 95	-	-	-	-
standard	5,0	9,0	3,0	-	-	MR 95-2Z	SMR 95-2Z	MR 95-2Z	MR 95-2Z
flanged	5,0	9,0	3,0	-	-	MF 95-2Z	SMF 95-2Z	MF 95-2Z	SMF 95-2Z
standard	5,0	10,0	3,0	MR 105	SMR 105	-	-	-	-
flanged	5,0	10,0	3,0	MF 105	SMF 105	-	-	-	-
standard	5,0	10,0	4,0	-	-	MR 105-2Z	SMR 105-2Z	MR 105-2RS	SMR 105-2RS
flanged	5,0	10,0	4,0	-	-	MF 105-2Z	SMF 105-2Z	MF 105-2RS	SMF 105-2RS
standard	5,0	11,0	3,0	S685	S685	-	-	-	-
flanged	5,0	11,0	3,0	F 685	SF 685	-	-	-	-
standard	5,0	11,0	4,0	-	-	MR 115-2Z	SMR 115-2Z	MR 115-2RS	SMR 115-2RS
flanged	5,0	11,0	4,0	-	-	MF 115-2Z	SMF 115-2Z	MF 115-2RS	SMF 115-2RS
standard	5,0	11,0	5,0	-	-	685-2Z	S685-2Z	685-2RS	S685-2RS
flanged	5,0	11,0	5,0	-	-	F 685-2Z	SF 685-2Z	F 685-2RS	SF 685-2RS
standard	5,0	13,0	4,0	695	S695	-	-	-	-
flanged	5,0	13,0	4,0	F 695	SF 695	-	-	-	-
standard	5,0	13,0	5,0	695W5	S695W5	695-2Z	S695-2Z	695-2RS	S695-2RS
flanged	5,0	13,0	5,0	-	-	F 695-2Z	SF 695-2Z	F 695-2RS	SF 695-2RS
standard	5,0	14,0	5,0	605	S605	605-2Z	S605-2Z	605-2RS	S605-2RS
flanged	5,0	14,0	5,0	F 605	SF 605	F 605-2Z	SF 605-2Z	F 605-2RS	SF 605-2RS

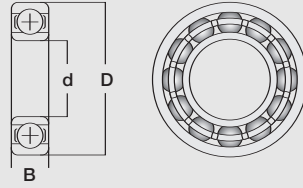
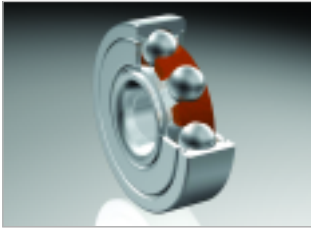
Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
957	350	48	56	W,J	< 2 g
957	350	48	56	W,J	< 2 g
957	350	48	56	W,J	< 3 g
957	350	48	56	W,J	< 3 g
1301	488	40	48	W,J	< 4 g
1301	488	40	48	W,J	< 4 g
1340	523	36	43	W,J	< 6 g
1340	523	36	43	W,J	< 6 g
218	90	53	63	W	< 1 g
218	90	53	63	W	< 1 g
218	90	53	63	W	< 1 g
218	90	53	63	W	< 1 g
431	169	50	60	W	< 1 g
431	169	50	60	W	< 1 g
431	169	50	60	W	< 1 g
431	169	50	60	W	< 1 g
431	169	50	60	W,J	< 2 g
431	169	50	60	W,J	< 2 g
431	169	50	60	W,J	< 2 g
431	169	50	60	W,J	< 2 g
716	282	45	53	W	< 2 g
716	282	45	53	W	< 2 g
716	282	45	53	W,J	< 1 g
716	282	45	53	W,J	< 1 g
716	282	45	53	W	< 2 g
716	282	45	53	W	< 2 g
1077	432	43	50	W,J	< 3 g
1077	432	43	50	W,J	< 3 g
1077	432	43	50	W,J	< 3 g
1077	432	43	50	W,J	< 3 g
1329	507	40	50	W,J	< 5 g
1329	507	40	50	W,J	< 5 g



standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	5,0	16,0	5,0	625	S625	625-2Z	S625-2Z	625-2RS	S625-2RS
flanged	5,0	16,0	5,0	F 625	SF 625	F 625-2Z	SF 625-2Z	F 625-2RS	SF 625-2RS
standard	5,0	19,0	6,0	635	S635	635-2Z	S635-2Z	635-2RS	S635-2RS
flanged	5,0	19,0	6,0	F 635	SF 635	F 635-2Z	SF 635-2Z	F 635-2RS	SF 635-2RS
standard	6,0	10,0	2,5	MR 106	SMR 106	-	-	-	-
flanged	6,0	10,0	2,5	MF 106	SMF 106	-	-	-	-
standard	6,0	10,0	3,0	-	-	MR 106-2Z	SMR 106-2Z	MR 106-2RS	MR 106-2RS
flanged	6,0	10,0	3,0	-	-	MF 106-2Z	SMF 106-2Z	MF 106-2RS	SMF 106-2RS
standard	6,0	12,0	3,0	MR 126	SMR 126	-	-	-	-
flanged	6,0	12,0	3,0	MF 126	SMF 126	-	-	-	-
standard	6,0	12,0	4,0	-	-	MR 126-2Z	SMR 126-2Z	MR 126-2RS	MR 126-2RS
flanged	6,0	12,0	4,0	-	-	MF 126-2Z	SMF 126-2Z	MF 126-2RS	SMF 126-2RS
standard	6,0	13,0	3,5	686	S686	-	-	-	-
flanged	6,0	13,0	3,5	F 686	SF 686	-	-	-	-
standard	6,0	13,0	4,5	-	-	686-2ZW4.5	S686-2ZW4.5	-	-
standard	6,0	13,0	5,0	686W5	S686W5	686-2Z	S686-2Z	686-2RS	S686-2RS
flanged	6,0	13,0	5,0	-	-	F 686-2Z	SF 686-2Z	F 686-2RS	SF 686-2RS
standard	6,0	15,0	5,0	696	S696	696-2Z	S696-2Z	696-2RS	S696-2RS
flanged	6,0	15,0	5,0	F 696	SF 696	F 696-2Z	SF 696-2Z	F 696-2RS	SF 696-2RS
standard	6,0	16,0	5,0	696A	S696A	696A-2Z	S696A-2Z	696A-RS	S696A-2RS
flanged	6,0	16,0	5,0	F 696A	SF 696A	F 696A-2Z	SF 696A-2Z	F 696A-RS	SF 696A-2RS
standard	6,0	17,0	6,0	606	S606	606-2Z	S606-2Z	606-2RS	S606-2RS
flanged	6,0	17,0	6,0	F 606	SF 606	F 606-2Z	SF 606-2Z	F 606-2RS	SF 606-2RS
standard	6,0	19,0	6,0	626	S626	626-2Z	S626-2Z	626-2RS	S626-2RS
flanged	6,0	19,0	6,0	F 626	SF 626	F 626-2Z	SF 626-2Z	F 626-2RS	SF 626-2RS
standard	6,0	22,0	7,0	-	-	636-2Z	S636-2Z	-	-
standard	7,0	11,0	2,5	MR 117	SMR 117	-	-	-	-
flanged	7,0	11,0	2,5	MF 117	SMF 117	-	-	-	-
standard	7,0	11,0	3,0	-	-	MR 117-2Z	SMR 117-2Z	MR 117-2RS	MR 117-2RS
flanged	7,0	11,0	3,0	-	-	MF 117-2Z	SMF 117-2Z	MF 117-2RS	SMF 117-2RS
standard	7,0	13,0	3,0	MR 137	MR 137	-	-	-	-
flanged	7,0	13,0	3,0	MF 137	SMF 137	-	-	-	-

Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
1729	675	36	43	W,J	< 6 g
1729	675	36	43	W,J	< 6 g
2336	896	32	40	J	< 8 g
2336	896	32	40	J	< 10 g
496	218	45	53	W	< 1 g
496	218	45	53	W	< 1 g
496	218	45	53	W	< 1 g
496	218	45	53	W	< 1 g
716	295	43	50	W,J	< 2 g
716	295	43	50	W,J	< 2 g
716	295	43	50	W,J	< 2 g
716	295	43	50	W,J	< 2 g
1082	442	40	50	W,J	< 3 g
1082	442	40	50	W,J	< 4 g
1082	442	40	50	W,J	< 4 g
1082	442	40	50	W,J	< 4 g
1082	442	40	50	W,J	< 4 g
1082	442	40	50	W,J	< 4 g
1340	523	40	45	W,J	< 4 g
1340	523	40	45	W,J	< 4 g
1340	523	40	45	J	< 7 g
1340	523	40	45	J	< 7 g
2263	846	38	45	J	< 7 g
2263	846	38	45	J	< 8 g
2336	896	32	40	J	< 8 g
2336	896	32	40	J	< 10 g
3333	1423	30	36	J	< 5 g
455	202	43	50	W	< 1 g
455	202	43	50	W	< 1 g
455	202	43	50	W	< 1 g
455	202	43	50	W	< 1 g
541	276	40	48	W	< 3 g
541	276	40	48	W	< 3 g

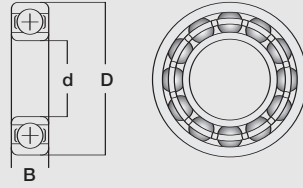
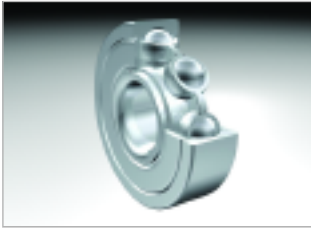
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standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	7,0	13,0	4,0	-	-	MR 137-2Z	SMR 137-2Z	MR 137-2RS	SMR 137-2RS
flanged	7,0	13,0	4,0	-	-	MF 137-2Z	SMF 137-2Z	MF 137-2RS	SMF 137-2RS
standard	7,0	14,0	3,5	687	S687	-	-	-	-
flanged	7,0	14,0	3,5	F687	SF 687	-	-	-	-
standard	7,0	14,0	5,0	-	-	687-2Z	S687-2Z	687-2RS	S687-2RS
flanged	7,0	14,0	5,0	-	-	F 687-2Z	SF 687-2Z	F 687-2RS	SF 687-2RS
standard	7,0	17,0	5,0	697	S697	697-2Z	S697-2Z	697-2RS	S697-2RS
flanged	7,0	17,0	5,0	F697	SF 697	F 697-2Z	SF 697-2Z	F 697-2RS	SF 697-2RS
standard	7,0	19,0	6,0	607	S607	607-2Z	S607-2Z	607-2RS	S607-2RS
flanged	7,0	19,0	6,0	F607	SF 607	F 607-2Z	SF 607-2Z	F 607-2RS	SF 607-2RS
standard	7,0	22,0	7,0	627	S627	627-2Z	S627-2Z	627-2RS	S627-2RS
flanged	7,0	22,0	7,0	F627	SF 627	F 627-2Z	SF 627-2Z	F 627-2RS	SF 627-2RS
standard	8,0	12,0	2,5	MR 128	SMR 128	-	-	-	-
flanged	8,0	12,0	2,5	MF 128	SMF 128	-	-	-	-
standard	8,0	12,0	3,5	-	-	MR 128-2Z	SMR 128-2Z	MR 128-2RS	SMR 128-2RS
flanged	8,0	12,0	3,5	-	-	MF 128-2Z	SMF 128-2Z	MF 128-2RS	SMF 128-2RS
standard	8,0	14,0	3,5	MR 148	SMR 148	-	-	-	-
flanged	8,0	14,0	3,5	MF 148	SMF 148	-	-	-	-
standard	8,0	14,0	4,0	-	-	MR 148-2Z	SMR 148-2Z	MR 148-2RS	SMR 148-2RS
flanged	8,0	14,0	4,0	-	-	MF 148-2Z	SMF 148-2Z	MF 148-2RS	SMF 148-2RS
standard	8,0	16,0	4,0	688	S688	688-2ZW4	S688-2ZW4	688-2RSW4	S688-2RSW4
flanged	8,0	16,0	4,0	F 688	SF 688	-	-	-	-
standard	8,0	16,0	5,0	688W5	S688W5	688-2Z	S688-2Z	688-2RS	S688-2RS
flanged	8,0	16,0	5,0	F 688W5	SF 688W5	F 688-2Z	SF 688-2Z	F 688-2RS	SF 688-2RS
standard	8,0	16,0	6,0	688W6	S688W6	688-2ZW6	S688-2ZW6	688-2RSW6	S688-2RSW6
flanged	8,0	16,0	6,0	F 688W6	SF 688W6	F 688-2ZW6	SF 688-2ZW6	F 688-2RSW6	SF 688-2RSW6
standard	8,0	19,0	6,0	698	S698	698-2Z	S698-2Z	698-2RS	S698-2RS
flanged	8,0	19,0	6,0	F698	SF 698	F 698-2Z	SF 698-2Z	F 698-2RS	SF 698-2RS
standard	8,0	22,0	6,0	608	S608	608-2ZW6	S608-2ZW6	608-2RSW6	S608-2RSW6
standard	8,0	22,0	7,0	608	S608	608-2Z	S608-2Z	608-2RS	S608-2RS
flanged	8,0	22,0	7,0	F608	SF 608	F 608-2Z	SF 608-2Z	F 608-2RS	SF 608-2RS
standard	8,0	22,0	11,0	-	-	630/8-2Z	-	630/8-2RS	-

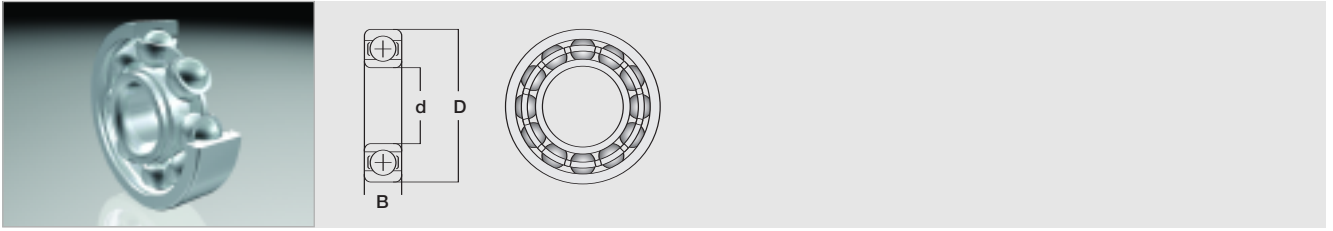
Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
541	276	40	48	W	< 3 g
541	276	40	48	W	< 3 g
1173	513	40	50	W,J	< 4 g
1173	513	40	50	W,J	< 4 g
1173	513	40	50	W,J	< 4 g
1173	513	40	50	W,J	< 4 g
1605	719	36	43	J	< 6 g
1605	719	36	43	J	< 6 g
2336	896	36	43	J	< 8 g
2336	896	36	43	J	<10 g
3287	1379	30	36	J	< 14 g
3287	1379	30	36	J	< 15 g
543	274	40	48	W	< 1 g
543	274	40	48	W	< 2 g
543	274	40	48	W	< 2 g
543	274	40	48	W	< 2 g
817	386	38	45	W	< 3 g
817	386	38	45	W	< 3 g
817	386	38	45	W	< 3 g
817	386	38	45	W	< 3 g
1252	592	36	43	W,J	< 4 g
1252	592	36	43	W,J	< 4 g
1252	592	36	43	W,J	< 4 g
1252	592	36	43	W,J	< 4 g
1252	592	36	43	W,J	< 5 g
1252	592	36	43	W,J	< 5 g
2237	917	36	43	J	< 8 g
2237	917	36	43	J	< 8 g
3293	1379	34	40	J	< 13 g
3293	1379	34	40	J	< 14 g
3293	1379	34	40	J	< 15 g
3293	1379	34	40	J	< 19 g

Miniaturrillenkugellager / Miniature Metric Series



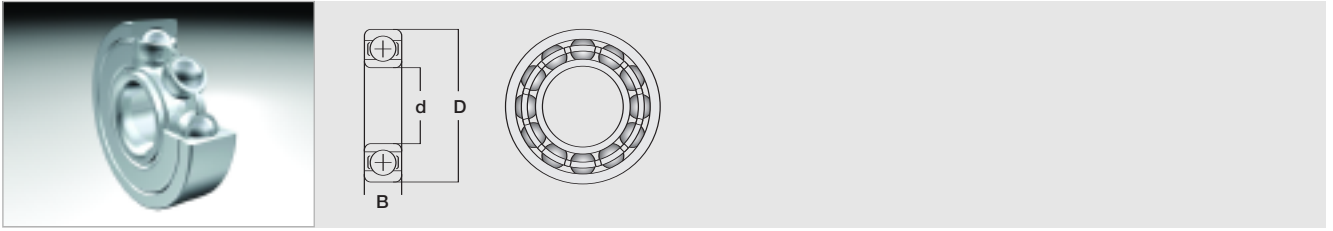
standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	8,0	22,0	11,0	Zweihohiges Radiallager	Double Row Bearing	30/8-2Z	-	30/8-2RS	-
standard	8,0	24,0	7,0	608/24	S608/24	608/24-2Z	S608/24-2Z	608/24-2RS	S608/24-2RS
standard	8,0	24,0	8,0	628	S628	628-2Z	S628-2Z	628-2RS	S628-2RS
flanged	8,0	24,0	8,0	F628	SF 628	F 628-2Z	SF 628-2Z	F 628-2RS	SF 628-2RS
standard	8,0	26,0	7,0	608/26	S608/26	608/26-2Z	S608/26-2Z	608/26-2RS	S608/26-2RS
standard	8,0	28,0	9,0	638	S638	638-2Z	S638-2Z	638-2RS	S638-2RS
standard	9,0	14,0	3,0	679	S679	-	-	-	-
standard	9,0	17,0	4,0	689	S689	-	-	-	-
flanged	9,0	17,0	4,0	F 689	SF689	-	-	-	-
standard	9,0	17,0	5,0	-	-	689-2Z	S689-2Z	689-2RS	S689-2RS
flanged	9,0	17,0	5,0	-	-	F 689-2Z	SF 689-2Z	F 689-2RS	SF 689-2RS
standard	9,0	17,0	6,0	689W6	S689W6	689-2ZW6	S689-2ZW6	-	-
standard	9,0	20,0	6,0	699	S699	699-2Z	S699-2Z	699-2RS	S699-2RS
flanged	9,0	20,0	6,0	F699	SF 699	F 699-2Z	SF 699-2Z	F 699-2RS	SF 699-2RS
standard	9,0	24,0	7,0	609	S609	609-2Z	S609-2Z	609-2RS	S609-2RS
flanged	9,0	24,0	7,0	F609	SF 609	F 609-2Z	SF 609-2Z	F 609-2RS	SF 609-2RS
standard	9,0	26,0	8,0	629	S629	629-2Z	S629-2Z	629-2RS	S629-2RS
flanged	9,0	26,0	8,0	F629	SF 629	F 629-2Z	SF 629-2Z	F 629-2RS	SF 629-2RS

Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
5070	2580	30	36	J	< 20 g
3293	1379	34	40	J	< 25 g
3333	1423	28	34	J	< 18 g
3333	1423	28	34	J	< 20 g
3293	1379	34	40	J	< 28 g
4563	1983	28	34	J	< 31 g
919	468	36	42	W	< 3 g
1327	668	36	43	J	< 5 g
1327	668	36	43	J	< 5 g
1327	668	36	43	J	< 5 g
1327	668	36	43	J	< 5 g
1327	668	36	43	J	< 5 g
2467	1081	34	40	J	< 8 g
2467	1081	34	40	J	< 10 g
3356	1444	32	38	J	< 16 g
3356	1444	32	38	J	< 18 g
4575	1983	28	34	J	< 22 g
4575	1983	28	34	J	< 24 g

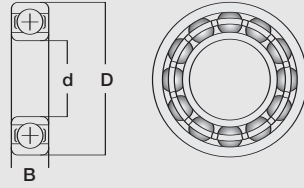
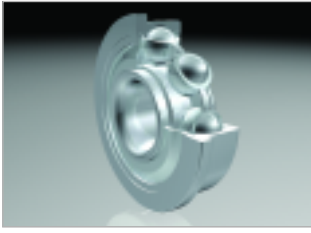


	Dimension			Dimension			Dimension		
standard or flanged	d	D	B	d	D	B	d	D	B
flanged	1.016	3.175	1.191	0.0400	0.1250	0.0469	1/25	1/8	3/64
flanged	1.191	3.967	1.588	0.0469	0.1562	0.0625	3/64	5/32	1/16
standard	1.984	6.350	2.380	0.0781	0.2500	0.0937	5/64	1/4	3/32
flanged	1.984	6.350	3.571	0.0781	0.2500	0.1406	5/64	1/4	9/64
standard	2.380	4.763	1.588	0.0937	0.1875	0.0625	3/32	3/16	1/16
flanged	2.380	4.763	1.588	0.0937	0.1875	0.0625	3/32	3/16	1/16
standard	2.380	4.763	2.380	0.0937	0.1875	0.0937	3/32	3/16	3/32
flanged	2.380	4.763	2.380	0.0937	0.1875	0.0937	3/32	3/16	3/32
flanged	2.380	7.938	2.779	0.0937	0.3125	0.1094	3/32	5/16	7/64
standard	2.380	7.938	3.571	0.0937	0.3125	0.1406	3/32	5/16	9/64
flanged	2.380	7.938	3.571	0.0937	0.3125	0.1406	3/32	5/16	9/64
standard	3.175	6.350	2.380	0.1250	0.2500	0.0937	1/8	1/4	3/32
flanged	3.175	6.350	2.380	0.1250	0.2500	0.0937	1/8	1/4	3/32
standard	3.175	6.350	2.779	0.1250	0.2500	0.1094	1/8	1/4	7/64
flanged	3.175	6.350	2.779	0.1250	0.2500	0.1094	1/8	1/4	7/64
standard	3.175	7.938	2.779	0.1250	0.3125	0.1094	1/8	5/16	7/64
flanged	3.175	7.938	2.779	0.1250	0.3125	0.1094	1/8	5/16	7/64
standard	3.175	7.938	3.571	0.1250	0.3125	0.1406	1/8	5/16	9/64
flanged	3.175	7.938	3.571	0.1250	0.3125	0.1406	1/8	5/16	9/64
standard	3.175	9.525	2.779	0.1250	0.3750	0.1094	1/8	3/8	7/64
flanged	3.175	9.525	2.779	0.1250	0.3750	0.1094	1/8	3/8	7/64
standard	3.175	9.525	3.571	0.1250	0.3750	0.1406	1/8	3/8	9/64
flanged	3.175	9.525	3.571	0.1250	0.3750	0.1406	1/8	3/8	9/64
standard	3.175	9.525	3.967	0.1250	0.3750	0.1562	1/8	3/8	5/32
standard	3.175	9.525	3.967	0.1250	0.3750	0.1562	1/8	3/8	5/32
flanged	3.175	9.525	3.967	0.1250	0.3750	0.1562	1/8	3/8	5/32
standard	3.175	12.700	4.366	0.1250	0.5000	0.1719	1/8	1/2	11/64
standard	3.175	12.700	4.366	0.1250	0.5000	0.1719	1/8	1/2	11/64
flanged	3.967	7.938	2.779	0.1562	0.3125	0.1094	5/32	5/16	7/64
standard	3.967	7.938	3.175	0.1562	0.3125	0.1250	5/32	5/16	1/8
flanged	3.967	7.938	3.175	0.1562	0.3125	0.1250	5/32	5/16	1/8
standard	4.763	7.938	2.779	0.1875	0.3125	0.1094	3/16	5/16	7/64
standard	4.763	7.938	3.175	0.1875	0.3125	0.1250	3/16	5/16	1/8
flanged	4.763	7.938	3.175	0.1875	0.3125	0.1250	3/16	5/16	1/8
standard	4.763	9.525	3.175	0.1875	0.3750	0.1250	3/16	3/8	1/8
flanged	4.763	9.525	3.175	0.1875	0.3750	0.1250	3/16	3/8	1/8

Designation/Type						Loadrating (only 100 Cr6)		Limiting Speed x1000rpm		Mass (g) approx
open		2Z		2RS/2TS		C, dyn. N	C, stat. N	Grease	Oil	
Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless					
-	SFR 09	-	-	-	-	106	28	130	150	< 1 g
-	-	-	SFR 0-2Z	-	-	112	33	110	130	< 1 g
-	SR 1-4	-	SR 1-4-2Z	-	-	284	96	67	80	< 1 g
-	-	-	SFR 1-4-2Z	-	-	284	96	67	80	< 1 g
-	SR 133	-	-	-	-	144	53	80	95	< 1 g
-	SFR 133	-	-	-	-	144	53	80	95	< 1 g
-	-	-	SR 133-2Z	-	-	144	53	80	95	< 1 g
-	-	-	SFR 133-2Z	-	-	144	53	80	95	< 1 g
-	SFR 1-5	-	-	-	-	552	176	60	71	< 1 g
-	-	-	SR 1-5-2Z	-	-	552	176	60	71	< 1 g
-	-	-	SFR 1-5-2Z	-	-	552	176	60	71	< 1 g
R 144	SR 144	-	-	-	-	284	96	67	80	< 1 g
-	SFR 144	-	-	-	-	284	96	67	80	< 1 g
-	-	R 144-2Z	SR 144-2Z	-	-	284	96	67	80	< 1 g
-	-	FR 144-2Z	SFR 144-2Z	-	-	284	96	67	80	< 1 g
R 2-5	SR 2-5	-	-	-	-	558	180	60	67	< 1 g
-	SFR 2-5	-	-	-	-	558	180	60	67	< 1 g
-	-	R 2-5-2Z	SR 2-5-2Z	-	-	558	180	60	67	< 1 g
-	-	FR 2-5-2Z	SFR 2-5-2Z	-	-	558	180	60	67	< 1 g
-	SR 2-6	-	-	-	-	640	227	53	63	< 2 g
-	SFR 2-6	-	-	-	-	640	227	53	63	< 2 g
-	-	R 2-6-2Z	SR 2-6-2Z	-	-	640	227	53	63	< 2 g
-	-	-	SFR 2-6-2Z	-	-	640	227	53	63	< 2 g
R 2	SR 2	-	-	-	-	631	219	56	67	< 2 g
-	-	R 2-2Z	SR 2-2Z	R 2-2RS	SR 2-2RS	631	219	56	67	< 2 g
-	-	-	SFR 2-2Z	FR 2-2RS	SFR 2-2RS	631	219	56	67	< 2 g
R 2A	SR 2A	-	-	-	-	640	227	53	63	< 3 g
-	-	R 2A-2Z	SR 2A-2Z	R 2A-2RS	SR 2A -2RS	640	227	53	63	< 3 g
-	SFR 155	-	-	-	-	359	150	53	63	< 1 g
-	-	-	SR 155-2Z	-	-	359	150	53	63	< 1 g
-	-	-	SFR 155-2Z	-	-	359	150	53	63	< 1 g
R 156	-	-	-	-	-	359	150	53	63	< 1 g
-	-	R 156-2Z	SR 156-2Z	-	-	359	150	53	63	< 1 g
-	-	FR 156-2Z	SFR 156-2Z	-	-	359	150	53	63	< 1 g
-	-	R 166-2Z	SR 166-2Z	-	-	709	272	50	60	< 1 g
-	-	FR 166-2Z	SFR 166-2Z	-	-	709	272	50	60	< 1 g

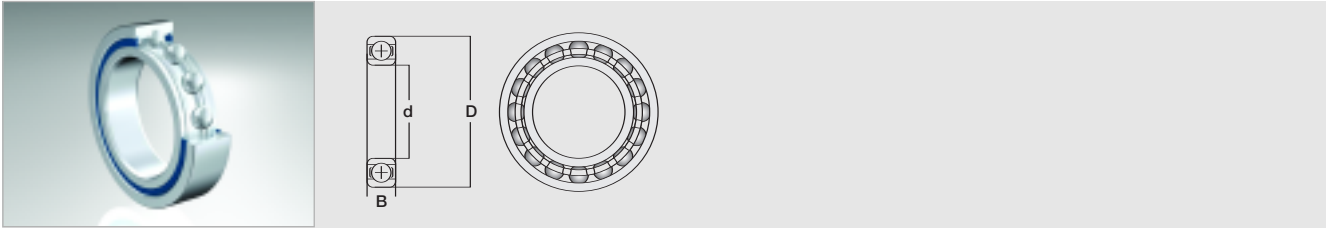


	Dimension			Dimension			Dimension		
standard or flanged	d	D	B	d	D	B	d	D	B
standard	4.763	12.700	3.967	0.1875	0.5000	0.1562	3/16	1/2	5/32
flanged	4.763	12.700	3.967	0.1875	0.5000	0.1562	3/16	1/2	5/32
standard	4.763	12.700	4.978	0.1875	0.5000	0.1960	3/16	1/2	10/51
flanged	4.763	12.700	4.978	0.1875	0.5000	0.1960	3/16	1/2	10/51
standard	4.763	15.875	4.978	0.1875	0.6250	0.1960	3/16	5/8	10/51
flanged	4.763	15.875	4.978	0.1875	0.6250	0.1960	3/16	5/8	10/51
standard	6.350	9.525	3.175	0.2500	0.3750	0.1250	1/4	3/8	1/8
standard	6.350	9.525	3.175	0.2500	0.3750	0.1250	1/4	3/8	1/8
flanged	6.350	9.525	3.175	0.2500	0.3750	0.1250	1/4	3/8	1/8
standard	6.350	12.700	3.175	0.2500	0.5000	0.1250	1/4	1/2	1/8
flanged	6.350	12.700	3.175	0.2500	0.5000	0.1250	1/4	1/2	1/8
standard	6.350	12.700	4.763	0.2500	0.5000	0.1875	1/4	1/2	3/16
flanged	6.350	12.700	4.763	0.2500	0.5000	0.1875	1/4	1/2	3/16
standard	6.350	15.875	4.978	0.2500	0.6250	0.1960	1/4	5/8	10/51
flanged	6.350	15.875	4.978	0.2500	0.6250	0.1960	1/4	5/8	10/51
standard	6.350	15.875	4.978	0.2500	0.6250	0.1960	1/4	5/8	10/51
flanged	6.350	15.875	4.978	0.2500	0.6250	0.1960	1/4	5/8	10/51
standard	6.350	15.875	8.733	0.2500	0.6250	0.3438	1/4	5/8	11/32
standard	6.350	19.050	5.558	0.2500	0.7500	0.2188	1/4	3/4	7/32
standard	6.350	19.050	7.142	0.2500	0.7500	0.2812	1/4	3/4	9/32
standard	7.938	12.700	3.967	0.3125	0.5000	0.1562	5/16	1/2	5/32
flanged	7.938	12.700	3.967	0.3125	0.5000	0.1562	5/16	1/2	5/32
standard	9.525	22.225	5.558	0.3750	0.8750	0.2188	3/8	7/8	7/32
flanged	9.525	22.225	5.558	0.3750	0.8750	0.2188	3/8	7/8	7/32
standard	9.525	22.225	7.142	0.3750	0.8750	0.2812	3/8	7/8	9/32
flanged	9.525	22.225	7.142	0.3750	0.8750	0.2812	3/8	7/8	9/32
standard	9.525	22.225	9.525	0.3750	0.8750	0.3750	3/8	7/8	3/8



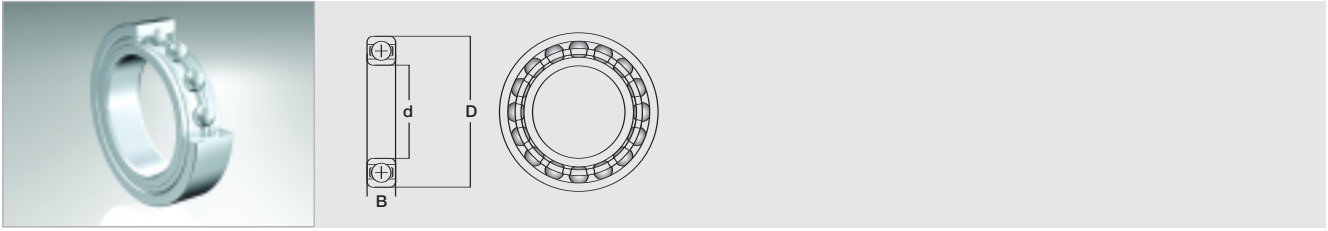
	Dimension			Dimension			Dimension		
standard or flanged	d	D	B	d	D	B	d	D	B
standard	12.700	19.050	3.967	0.5000	0.7500	0.1562	1/2	3/4	5/32
standard	12.700	28.575	6.350	0.5000	1.1250	0.2500	1/2	1 1/8	1/4
standard	12.700	28.575	7.938	0.5000	1.1250	0.3125	1/2	1 1/8	5/16
flanged	12.700	28.575	7.938	0.5000	1.1250	0.3125	1/2	1 1/8	5/16
standard	15.875	22.225	3.967	0.6250	0.8750	0.1562	5/8	7/8	5/32
standard	15.875	34.925	7.142	0.6250	1.3750	0.2812	5/8	1 3/8	9/32
standard	15.875	34.925	8.733	0.6250	1.3750	0.3438	5/8	1 3/8	11/32
standard	15.875	39.688	11.113	0.6250	1.5625	0.4375	5/8	1 9/16	7/16
standard	19.050	25.400	3.967	0.7500	1.0000	0.1562	3/4	1	5/32
standard	19.050	41.275	7.938	0.7500	1.6250	0.3125	3/4	1 5/8	5/16
standard	19.050	41.275	11.113	0.7500	1.6250	0.4375	3/4	1 5/8	7/16
standard	19.050	47.625	14.288	0.7500	1.8750	0.5625	3/4	1 7/8	9/16
standard	22.225	47.625	9.525	0.8750	1.8750	0.3750	7/8	1 7/8	3/8
standard	22.225	47.625	12.700	0.8750	1.8750	0.5000	7/8	1 7/8	1/2
standard	22.225	50.800	14.288	0.8750	2.0000	0.5625	7/8	2	9/16
standard	25.400	50.800	9.525	1.0000	2.0000	0.3750	1	2	3/8
standard	25.400	50.800	12.700	1.0000	2.0000	0.5000	1	2	1/2
standard	25.400	57.150	15.875	1.0000	2.2500	0.6250	1	2 1/4	5/8
standard	25.400	57.150	15.875	1.0000	2.2500	0.6250	1	2 1/4	5/8
standard	28.575	53.975	9.500	1.1250	2.1250	0.3740	1 1/8	2 1/8	3/8
standard	28.575	53.975	12.700	1.1250	2.1250	0.5000	1 1/8	2 1/8	1/2
standard	31.750	57.150	9.525	1.2500	2.2500	0.3750	1 1/4	2 1/4	3/8
standard	31.750	57.150	12.700	1.2500	2.2500	0.5000	1 1/4	2 1/4	1/2
standard	31.750	69.850	17.463	1.2500	2.7500	0.6875	1 1/4	2 3/4	11/16
standard	31.750	69.850	17.463	1.2500	2.7500	0.6875	1 1/4	2 3/4	11/16
standard	31.750	69.850	17.463	1.2500	2.7500	0.6875	1 1/4	2 3/4	11/16
standard	34.925	63.500	11.113	1.3750	2.5000	0.4375	1 3/8	2 1/2	7/16
standard	34.925	63.500	14.288	1.3750	2.5000	0.5625	1 3/8	2 1/2	9/16
standard	38.100	82.550	19.050	1.5000	3.2500	0.7500	1 1/2	3 1/4	3/4
standard	38.100	82.550	19.050	1.5000	3.2500	0.7500	1 1/2	3 1/4	3/4

Designation/Type						Loadrating (only 100 Cr6)		Limiting Speed x1000rpm		Mass (g) approx
open		2Z		2RS/2TS		C, dyn. N	C, stat. N	Grease	Oil	
Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless					
-	-	-	SR 1212-2Z	-	-	9400	5500	24	-	5 g
R 8	SR 8	-	-	-	-	5108	2413	27	32	25 g
-	-	R 8-2Z	SR 8-2Z	R 8-2RS	SR 8-2RS	5108	2413	27	32	25 g
-	-	FR 8-2Z	SFR 8-2Z	-	-	5108	2413	27	32	25 g
-	-	RI 1458-2Z	-	-	-	9900	6300	20	-	7 g
R 10	-	-	-	-	-	5988	3287	21	25	38 g
-	-	R 10-2Z	SR 10-2Z	R 10-2RS	SR 10-2RS	5988	3287	21	25	40 g
-	-	-	-	RLS 5-2RS	SRLS 5-2RS	10900	5250	18	-	67 g
-	-	-	SR 1634-2Z	-	-	10300	7000	17	21	9 g
R 12	-	-	-	-	-	9378	5057	17	21	65 g
-	-	R 12-2Z	SR 12-2Z	R 12-2RS	SR 12-2RS	9378	5057	17	21	70 g
RLS 6	-	RLS 6-2Z	-	RLS 6-2RS	SRLS 6-2RS	14200	6700	15.5	-	109 g
R 14	-	-	-	-	-	12000	6400	15	-	78 g
-	-	R 14-2Z	SR 14-2Z	R 14-2RS	SR 14-2RS	12000	6400	15	-	102 g
RLS 7	-	-	-	-	-	14400	7000	14.3	-	116 g
R 16	-	-	-	-	-	11800	7200	13.6	-	85 g
-	-	R 16-2Z	SR 16-2Z	R 16-2RS	SR 16-2RS	11800	7200	13.6	-	112 g
RLS 8	-	-	-	-	-	18600	9700	12.7	-	169 g
-	-	RLS 8-2Z	-	RLS 8-2RS	-	-	-	-	-	174 g
R 18	-	-	-	-	-	11700	7300	13	-	88 g
R 18-2RS	-	-	-	-	-	11700	7300	13	-	118 g
R 20	-	-	-	-	-	12800	8700	12	-	96 g
R 20-2Z	-	-	-	-	-	12800	8700	12	-	128 g
RLS 10	-	-	-	-	-	27700	15000	10.6	-	276 g
RLS 10	-	-	-	-	-	27700	15000	10.6	-	276 g
-	-	RLS 10-2Z	-	RLS 10-2RS	-	27700	15000	10.6	-	310 g
R 22	-	-	-	-	-	14400	9360	11.1	-	134 g
-	-	R 22-2Z	-	R 22-2RS	-	14400	9360	11.1	-	162 g
RLS 12	-	-	-	-	-	30200	17500	9.8	-	418 g
RLS 12	-	-	-	RLS 12-2RS	-	30200	17500	9.8	-	512 g



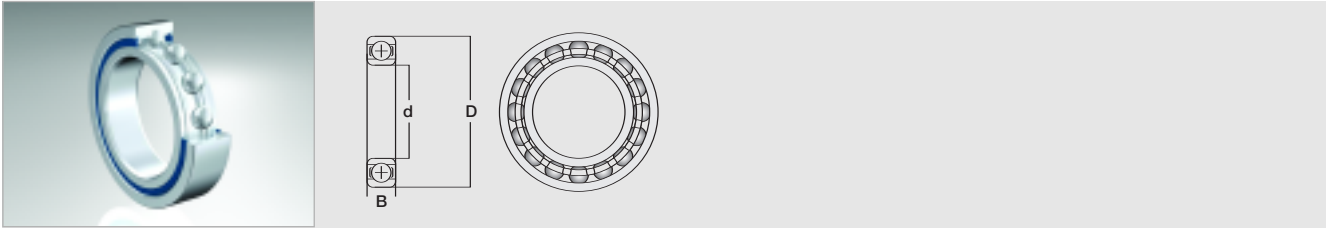
standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	10.00	15.00	3.00	61700	S61700	-	-	-	-
standard	10.00	15.00	4.00	-	-	61700-2Z	S61700-2Z	61700-2RS	S61700-2RS
standard	10.00	19.00	5.00	61800	S61800	61800-2Z	S61800-2Z	61800-2RS	S61800-2RS
flanged	10.00	19.00	5.00	-	-	F 61800-2Z	SF 61800-2Z	F 61800-2RS	SF 61800-2RS
standard	10.00	19.00	6.00	62800	-	62800-2Z	-	62800-2RS	-
standard	10.00	19.00	7.00	63800	-	63800-2Z	S63800-2Z	63800-2RS	-
flanged	10.00	19.00	7.00	-	SF 63800	F 63800-2Z	SF 63800-2Z	-	-
standard	10.00	22.00	6.00	61900	S61900	61900-2Z	S61900-2Z	61900-2RS	S61900-2RS
flanged	10.00	22.00	6.00	-	-	F 61900-2Z	SF 61900-2Z	F 61900-2RS	SF 61900-2RS
standard	11.00	22.00	6.00	-	-	619/11-2Z	-	-	-
standard	12.00	18.00	4.00	61701	S61701	61701-2Z	S61701-2Z	61701-2RS	S61701-2RS
standard	12.00	21.00	5.00	61801	S61801	61801-2Z	S61801-2Z	61801-2RS	S61801-2RS
flanged	12.00	21.00	5.00	F 61801	-	F 61801-2Z	-	F 61801-2RS	-
standard	12.00	21.00	6.00	62801	-	62801-2Z	-	62801-2RS	-
standard	12.00	21.00	7.00	63801	-	63801-2Z	-	63801-2RS	-
standard	12.00	24.00	6.00	61901	S61901	61901-2Z	S61901-2Z	61901-2RS	S61901-2RS
flanged	12.00	24.00	6.00	F 61901	-	F 61901-2Z	-	F 61901-2RS	-
standard	12.00	24.00	6.00	61901.T9H	-	-	-	-	-
standard	13.00	24.00	6.00	619/13	-	-	-	-	-
standard	13.00	24.00	6.00	619/13.TNH	-	-	-	-	-
standard	15.00	21.00	4.00	61702	S61702	61702-2Z	S61702-2Z	61702-2RS	S61702-2RS
standard	15.00	24.00	5.00	61802	S61802	61802-2Z	S61802-2Z	61802-2RS	S61802-2RS
flanged	15.00	24.00	5.00	61802	-	F 61802-2Z	-	F 61802-2RS	-
standard	15.00	24.00	7.00	63802	-	63802-2Z	-	63802-2RS	-
standard	15.00	28.00	7.00	61902	S61902	61902-2Z	S61902-2Z	61902-2RS	S61902-2RS
flanged	15.00	28.00	7.00	-	-	F 61902-2Z	-	F 61902-2RS	-
standard	17.00	23.00	4.00	61703	S61703	61703-2Z	S61703-2Z	61703-2RS	S61703-2RS
standard	17.00	26.00	5.00	61803	S61803	61803-2Z	S61803-2Z	61803-2RS	S61803-2RS
flanged	17.00	26.00	5.00	F 61803	-	F 61803-2Z	-	F 61803-2RS	-

Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
855	435	15	17	W	< 2 g
855	435	15	17	W	< 2 g
1,716	840	37	43	J	< 6 g
1,716	840	37	43	J	< 6 g
-	-	-	-	J	< 7 g
1,716	840	37	43	J	< 8 g
1,716	840	37	43	J	< 8 g
2,695	1,273	34	41	J	10 g
2,695	1,273	34	41	J	11 g
-	-	-	-	J	14 g
926	530	13	15	W	< 4 g
1,915	1,041	33	39	J	< 7 g
1,915	1,041	33	39	J	< 9 g
-	-	-	-	J	< 9 g
1,915	1,041	33	39	J	10 g
2,886	1,466	31	36	J	10 g
2,886	1,466	31	36	J	12 g
2,886	1,466	31	36	J	10 g
2,886	1,466	31	36	J	10 g
2,886	1,466	31	36	J	10 g
937	582	11	13	W	< 4 g
2,073	1,253	28	33	J	< 9 g
2,073	1,253	28	33	J	10 g
2,073	1,253	28	33	J	11 g
4,321	2,259	26	30	J	15 g
4,321	2,259	26	30	J	18 g
1,000	658	9.5	11	W	< 5 g
2,233	1,456	26	30	J	< 9 g
2,233	1,456	26	30	J	10 g



standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	17.00	26.00	7.00	-	-	-	63803-2Z	63803-2RS	-
standard	17.00	30.00	7.00	61903	S61903	61903-2Z	S61903-2Z	61903-2RS	S61903-2RS
flanged	17.00	30.00	7.00	F 61903	-	F 61903-2Z	S61903-2Z	-	F 61903-2RS
standard	17.00	32.00	8.00	Y 17-2Z	-	-	-	-	-
standard	17.00	32.00	8.00	Y 17.C3	-	-	-	-	-
standard	20.00	27.00	4.00	61704	S61704	61704-2Z	S61704-2RS	61704-2Z	S61704-2RS
standard	20.00	32.00	7.00	61804	S61804	61804-2Z	S61804-2Z	61804-2RS	S61804-2RS
flanged	20.00	32.00	7.00	-	-	F 61804-2Z	-	F 61804-2RS	-
standard	20.00	37.00	9.00	61904	S61904	61904-2Z	S61904-2Z	61904-2RS	S61904-2RS
flanged	20.00	37.00	9.00	-	-	F 61904-2Z	-	F 61904-2RS	-
standard	25.00	32.00	4.00	61705	S61705	61705-2Z	S61705-2Z	61705-2RS	S61705-2RS
standard	25.00	37.00	7.00	61805	S61805	61805-2Z	S61805-2Z	61805-2RS	S61805-2RS
standard	25.00	42.00	9.00	61905	S61905	61905-2Z	S61905-2Z	61905-2RS	S61905-2RS
standard	30.00	37.00	4.00	61706	S61706	61706-2Z	S61706-2Z	61706-2RS	S61706-2RS
flanged	30.00	42.00	7.00	61806	-	-	-	F 61806-2RS	-
standard	30.00	42.00	7.00	-	S61806	61806-2Z	S61806-2Z	61806-2RS	S61806-2RS
standard	30.00	47.00	9.00	61906	S61906	61906-2Z	S61906-2Z	61906-2RS	S61906-2RS
flanged	30.00	47.00	9.00	-	-	-	-	F 61906-2RS	-
standard	35.00	44.00	5.00	61707	-	61707-2Z	-	61707-2RS	-
standard	35.00	47.00	7.00	61807	S61807	61807-2Z	-	61807-2RS	S61807-2RS
standard	35.00	55.00	10.00	61907	S61907	61907-2Z	-	61907-2RS	S61907-2RS
standard	40.00	50.00	6.00	61708	-	61708-2Z	61708-2RS	-	-
standard	40.00	52.00	7.00	61808	S61808	61808-2Z	-	61808-2RS	S61808-2RS
standard	40.00	62.00	12.00	61908	S61908	61908-2Z	-	61908-2RS	S61908-2RS
standard	45.00	55.00	6.00	61709	-	61709-2Z	-	61709-2RS	-
standard	45.00	58.00	7.00	61809	S61809	61809-2Z	-	61809-2RS	S61809-2RS
standard	45.00	68.00	12.00	61909	S61909	61909-2Z	-	61909-2RS	S61909-2RS

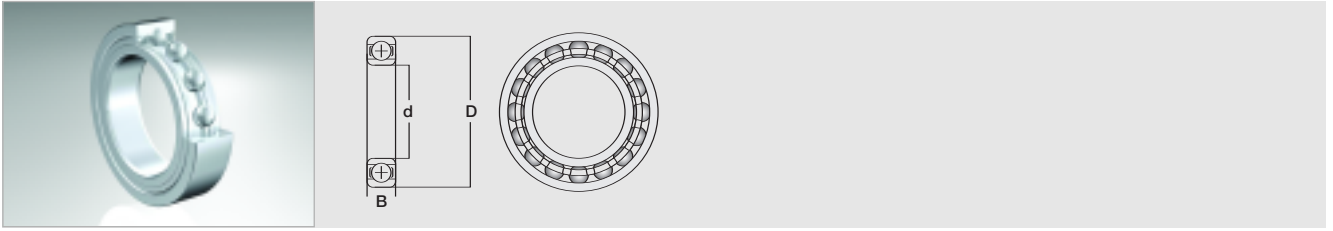
Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
2,233	1,456	26	30	J	11 g
4,588	2,565	23	38	J	10 g
4,588	2,565	23	38	J	12 g
-	-	-	-	J	14 g
-	-	-	-	J	14 g
1,402	729	8.5	10	W	< 6 g
4,015	2,462	21	25	J	18 g
4,015	2,462	21	25	J	20 g
6,381	3,682	19	23	J	40 g
6,381	3,682	19	23	J	43 g
1,091	838	7	8	W	< 8 g
4,303	2,932	18	21	J	24 g
7,001	4,540	16	19	J	47 g
1,143	947	5.5	7	W	< 9 g
4,538	3,402	15	18	J	29 g
4,538	3,402	15	18	J	27 g
7,242	5,003	14	17	J	53 g
7,242	5,003	14	17	J	57 g
1,866	1,635	4.9	6	W	15 g
4,729	3,821	13	16	J	32 g
10,900	7,818	12	14	W	88 g
2,516	2,233	4.3	5	J	23 g
4,923	4,178	12	14	J	35 g
13,678	9,968	11	13	J	132 g
2,580	2,397	3.9	4.6	W	25 g
6,187	5,381	11	13	J	42 g
14,100	10,830	9.7	11	J	148 g



standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	50.00	65.00	7.00	61810	S61810	61810-2Z	-	61810-2RS	S61810-2RS
standard	50.00	72.00	12.00	61910	S61910	61910-2Z	-	61910-2RS	S61910-2RS
standard	55.00	72.00	9.00	61811	S61811	61811-2Z	-	61811-2RS	S61811-2RS
standard	55.00	80.00	13.00	61911	S61911	61911-2Z	-	61911-2RS	S61911-2RS
standard	60.00	78.00	10.00	61812	S61812	61812-2Z	-	61812-2RS	S61812-2RS
standard	60.00	85.00	13.00	61912	S61912	61912-2Z	-	61912-2RS	S61912-2RS
standard	65.00	85.00	10.00	61813	S61813	61813-2Z	-	61813-2RS	S61813-2RS
standard	65.00	90.00	13.00	61913	S61913	61913-2Z	-	61913-2RS	S61913-2RS
standard	70.00	90.00	10.00	61814	S61814	61814-2Z	-	61814-2RS	S61814-2RS
standard	70.00	100.00	16.00	61914	S61914	61914-2Z	-	61914-2RS	S61914-2RS
standard	75.00	95.00	10.00	61815	S61815	61815-2Z	-	61815-2RS	S61815-2RS
standard	75.00	105.00	16.00	61915	S61915	61915-2Z	-	61915-2RS	S61915-2RS
standard	80.00	100.00	10.00	61816	S61816	61816-2Z	-	61816-2RS	S61816-2RS
standard	80.00	110.00	16.00	61916	S61916	61916-2Z	-	61916-2RS	S61916-2RS
standard	85.00	110.00	13.00	61817	-	61817-2Z	-	61817-2RS	-
standard	85.00	120.00	18.00	61917	-	61917-2Z	-	61917-2RS	-
standard	90.00	115.00	13.00	61818	-	61818-2Z	-	61818-2RS	-
standard	90.00	125.00	18.00	61918	-	61918-2Z	-	61918-2RS	-
standard	100.00	125.00	13.00	61820	-	61820-2Z	-	61820-2RS	-
standard	100.00	140.00	20.00	61920	-	61920-2Z	-	61920-2RS	-
standard	105.00	130.00	13.00	61821	-	61821-2Z	-	61821-2RS	-
standard	105.00	145.00	20.00	61921	-	61921-2Z	-	61921-2RS	-
standard	110.00	140.00	16.00	61822	-	61822-2Z	-	61822-2RS	-
standard	110.00	150.00	20.00	61922	-	61922-2Z	-	61922-2RS	-
standard	120.00	150.00	16.00	61824	-	61824-2Z	-	61824-2RS	-

Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
6,610	6,090	9.6	11	J	65 g
14,540	11,710	9	11	J	145 g
8,800	8,100	8.7	10	J	84 g
16,600	14,100	8.1	9.6	J	185 g
11,500	10,600	8	9.4	J	105 g
20,200	17,300	7.5	8.9	J	192 g
11,900	11,500	7.3	8.6	J	126 g
17,400	16,100	7.1	8.4	J	212 g
12,100	11,900	6.8	8.1	J	134 g
23,700	21,200	6.4	7.6	J	344 g
12,500	12,900	12.5	12.9	J	144 g
24,400	22,600	6.1	7.2	J	365 g
12,700	13,300	12.7	13.3	J	150 g
25,000	24,000	5.7	6.8	J	384 g
18,700	19,000	5.6	6.6	J	266 g
31,900	29,600	5.3	6.3	J	540 g
19,000	19,700	5.3	6.3	J	280 g
32,800	31,600	5.1	6	J	570 g
20,100	22,000	5.1	4.8	J	310 g
42,300	41,500	5.3	4.5	J	830 g
20,800	23,600	5.3	4.6	J	330 g
44,200	44,000	5	4.3	J	870 g
28,000	30,500	5	4.3	J	500 g
43,600	4,500	4.8	4	J	900 g
29,000	33,000	4.6	4	J	550 g

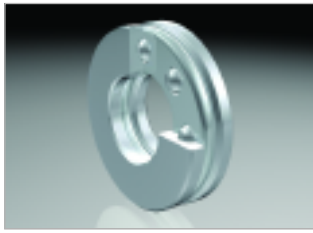
Dünnringlager / Thin Section Series



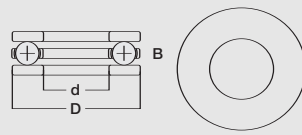
standard or flanged	Dimension			Designation/Type					
	d	D	B	open		2Z		2RS/2TS	
				Chromesteel	Stainless	Chromesteel	Stainless	Chromesteel	Stainless
standard	120.00	165.00	22.00	61924	-	61924-2Z	-	61924-2RS	-
standard	130.00	165.00	18.00	61826	-	61826-2Z	-	61826-2RS	-
standard	130.00	180.00	24.00	61926	-	61926-2Z	-	61926-2RS	-
standard	140.00	175.00	18.00	61828	-	61828-2Z	-	61828-2RS	-
standard	140.00	190.00	24.00	61928	-	61928-2Z	-	61928-2RS	-
standard	150.00	190.00	20.00	61830	-	-	-	-	-
standard	160.00	200.00	20.00	61832	-	-	-	-	-
standard	170.00	215.00	22.00	61834	-	-	-	-	-
standard	180.00	225.00	22.00	61836	-	-	-	-	-
standard	190.00	240.00	24.00	61838	-	-	-	-	-
standard	200.00	250.00	24.00	61840	-	-	-	-	-
standard	220.00	270.00	24.00	61844	-	-	-	-	-

Load rating (only 100 Cr6)		Limiting Speed (open & 2Z) x1000rpm		Standard cage type * Others on request	Mass (g) approx
C, dyn. N	C, stat. N	Grease	Oil		
55,300	57,000	4.3	3.6	J	1200 g
38,000	43,000	4.4	3.6	J	780 g
65,000	67,000	4	3.4	J	1600 g
39,000	46,000	4.1	3.4	J	860 g
66,300	72,000	3.8	3.2	J	1700 g
49,000	57,000	4.6	3	J	1200 g
49,500	59,000	3.4	2.8	J	1250 g
61,000	73,000	3.2	2.6	J	1630 g
62,000	76,000	3	2.4	J	1720 g
75,000	92,000	2.8	2.2	J	2200 g
76,000	95,000	2.6	2.1	J	2300 g
102,000	78,000	2.4	1.9	J	2530 g

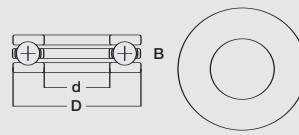
Axialrillenkugellager / Three Part Thrust Bearings



Typ F ohne Laufnute / without groove

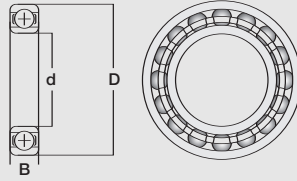
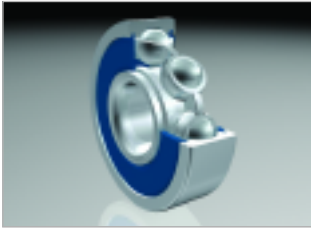


Typ B mit Laufnute / with groove



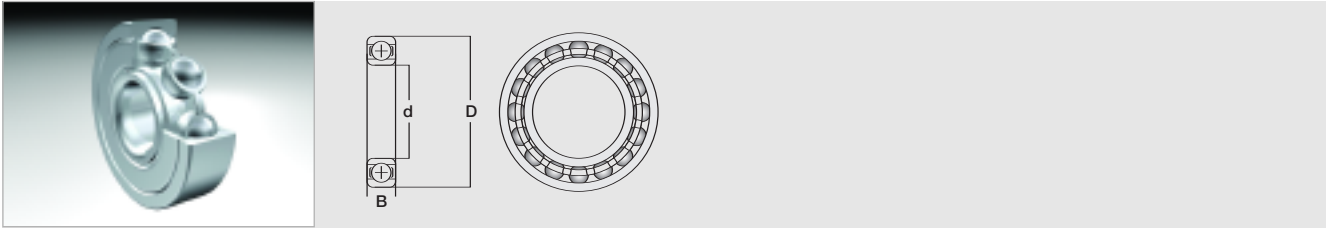
Dimension			Designation/Type		Load rating (only 100 Cr6)		Limiting Speed		Mass (g) approx
d	D	B	Chromesteel	Stainless	C, dyn. N	C, stat. N	Oil	Grease	
4.00	9.00	4.00	F 4-9	-	167	157	6500	-	< 1 g
4.00	10.00	4.50	F 4-10	-	274	245	6000	-	< 2 g
5.00	11.00	4.50	F 5-11	-	284	284	5000	-	< 3 g
6.00	12.00	4.50	F 6-12	-	274	284	4000	-	< 3 g
7.00	15.00	5.00	F 7-15	-	559	549	3800	-	< 5 g
8.00	16.00	5.00	F 8-16	-	598	627	3500	-	< 5 g
9.00	17.00	5.00	F 9-17	-	578	627	3500	-	< 6 g
10.00	18.00	5.50	F10-18	-	617	706	3000	-	< 6 g
3.00	8.00	3.50	B 3	SB 3	602	611	15,000	-	< 2 g
4.00	10.00	4.00	B 4	SB 4	602	611	15,000	-	< 2 g
5.00	12.00	4.00	B 5	SB 5	640	810	13,000	-	< 2 g
6.00	14.00	5.00	B 6	SB 6	1,275	1,560	10,000	-	< 2 g
7.00	17.00	6.00	B 7	SB 7	1,830	2,450	10,000	-	< 2 g
8.00	19.00	7.00	B 8	SB 8	2,340	3,190	8,000	-	< 2 g
9.00	20.00	7.00	B 9	SB 9	2,400	3,190	8,000	-	< 2 g
10.00	24.00	9.00	51100	S51100	8,710	8,800	7,500	9,500	20 g
10.00	26.00	11.00	51200	S51200	12,700	17,000	6000	8,000	29 g
12.00	26.00	9.00	51101	S51101	9,035	10,000	7,000	9,500	22 g
12.00	28.00	11.00	51201	S51201	13,200	19,000	6000	8,000	32 g
15.00	28.00	9.00	51102	S51102	9,360	11,200	6,300	8,500	24 g
15.00	32.00	12.00	51202	S51202	16,600	25,000	5000	6,700	43 g
17.00	30.00	9.00	51103	S51103	9,750	12,200	6,300	8,500	28 g
17.00	35.00	12.00	51203	S51203	17,300	27,500	5000	6,700	50 g
20.00	35.00	10.00	51104	S51104	12,740	16,600	5,600	7,500	40 g
20.00	40.00	14.00	51204	S51204	19,890	25,000	4,300	5,600	82 g

Dimension			Designation/Type		Load rating (only 100 Cr6)		Limiting Speed		Mass (g) approx
d	D	B	Chromesteel	Stainless	C, dyn. N	C, stat. N	Oil	Grease	
25.00	41.00	11.00	51105	S51105	15,860	22,800	4,800	6,300	59 g
25.00	47.00	15.00	51205	S51205	25,090	34,000	3,800	5,000	120 g
25.00	52.00	18.00	51305	-	34,500	55,000	3200	4,300	154 g
30.00	47.00	11.00	51106	S51106	16,770	26,500	4,500	6,000	68 g
30.00	52.00	16.00	51206	S51206	25,480	37,500	3,600	4,500	150 g
30.00	60.00	21.00	51306	-	38,000	65,500	3000	4,000	244 g
35.00	52.00	12.00	51107	S51107	17,420	30,000	4,300	5,600	90 g
35.00	62.00	18.00	51207	S51207	39,000	78,000	3,000	4,000	220 g
35.00	68.00	24.00	51307	-	50,000	88,000	2700	3,600	351 g
40.00	60.00	13.00	51108	S51108	23,400	40,000	3,800	5,000	120 g
40.00	68.00	19.00	51208	S51208	46,500	98,000	2,900	3,800	270 g
40.00	78.00	26.00	51308	-	61,000	112,000	2400	3,200	536 g
45.00	65.00	14.00	51109	S51109	24,180	45,000	3,400	4,500	150 g
45.00	73.00	20.00	51209	S51209	47,500	105,000	2,500	3,500	320 g
45.00	85.00	28.00	51309	-	75,000	14,000	2100	3,000	612 g
50.00	70.00	14.00	51110	S51110	25,480	50,000	3300	4,500	160 g
50.00	78.00	22.00	51210	S51210	48,500	111,000	2,400	3,400	390 g
50.00	95.00	31.00	51310	-	86,500	170,000	1900	2,800	932 g
55.00	78.00	16.00	51111	S51111	34,500	93,000	2,700	3,800	240 g
55.00	90.00	25.00	51211	S51211	69,000	159,000	1,900	2,800	610 g
55.00	105.00	35.00	51311	-	102,000	208,000	1700	2,400	1300 g
60.00	85.00	17.00	51112	S51112	41,500	113,000	2,600	3,700	290 g
60.00	85.00	17.00	51212	S51212	73,000	179,000	1,900	2,700	690 g
60.00	110.00	35.00	51312	S51312	100,000	208,000	1600	2,200	1360 g

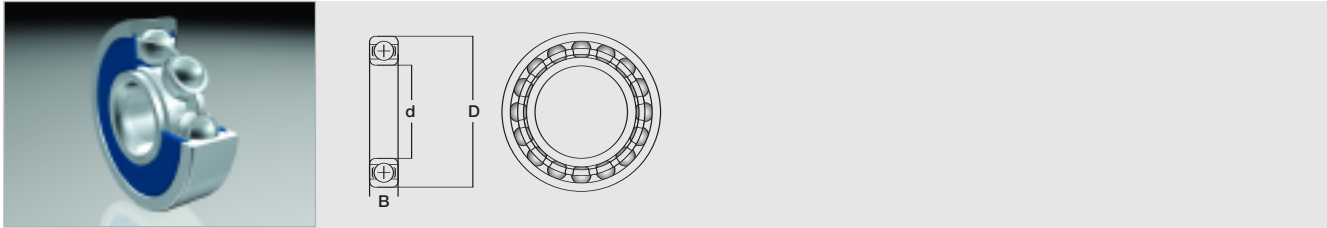


standard or flanged	Dimension			Designation/Type			Loadrating		Limiting Speed (open & 2Z) Grease	Mass (g) approx
	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N		
				Chromesteel	Chromesteel	Chromesteel				
standard	10.00	26.00	8.00	6000	6000-2Z	6000-2RS	4550	1970	30000	18 g
flanged	10.00	26.00	8.00	-	F 6000-2Z	F 6000-2RS	4550	1970	30000	20 g
standard	10.00	28.00	8.00	16100	16100-2Z	16100-2RS	4620	1960	28000	22 g
standard	12.00	30.00	8.00	16001	16001-2Z	16001-2RS	4650	1980	27000	22 g
standard	10.00	30.00	9.00	6200	6200-2Z	6200-2RS	5100	2390	24000	32 g
standard	10.00	30.00	14.00	-	-	62200-2RS	5070	2360	17000	40 g
standard	10.00	35.00	11.00	6300	6300-2Z	6300-2RS	8100	3450	22000	52 g
standard	10.00	35.00	17.00	-	-	62300-2RS	8060	3400	15000	60 g
standard	12.00	28.00	8.00	6001	6001-2Z	6001-2RS	5100	2370	28000	22 g
flanged	12.00	28.00	8.00	-	F 6001-2Z	F 6001-2RS	5100	2370	28000	24 g
standard	12.00	30.00	8.00	16101	16101-2Z	16101-2RS	5070	2360	26000	23 g
standard	12.00	32.00	10.00	6201	6201-2Z	6201-2RS	6800	3050	22000	37 g
standard	12.00	32.00	14.00	-	-	62201-2RS	6890	3100	15000	45 g
standard	12.00	37.00	12.00	6301	6301-2Z	6301-2RS	9700	4200	20000	60 g
standard	12.00	37.00	17.00	-	-	62301-RS	9750	4150	14000	70 g
standard	15.00	32.00	8.00	16002	16002-2Z	16002-2RS	5590	2850	22000	25 g
standard	15.00	32.00	9.00	6002	6002-2Z	6002-2RS	5600	2830	24000	31 g
standard	15.00	35.00	11.00	6202	6202-2Z	6202-2RS	7650	3750	20000	45 g
standard	15.00	35.00	14.00	-	-	62202-2RS	7800	3750	13000	54 g
standard	15.00	42.00	13.00	6302	6302-2Z	6302-2RS	11400	5450	17000	83 g
standard	15.00	42.00	17.00	-	-	62302-2RS	11400	5400	12000	110 g
standard	17.00	35.00	8.00	16003	16003-2Z	16003-2RS	6050	3250	19000	32 g
standard	17.00	35.00	10.00	6003	6003-2Z	6003-2RS	6000	3250	22000	41 g
standard	17.00	40.00	12.00	6203	6203-2Z	6203-2RS	9550	4800	17000	67 g
standard	17.00	40.00	16.00	-	-	62203-2RS	9560	4750	12000	83 g
standard	17.00	47.00	14.00	6303	6303-2Z	6303-2RS	13600	6650	15000	113 g

standard or flanged	Dimension			Designation/Type			Loadrating		Limiting Speed (open & 2Z)	Mass (g) approx
	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N		
				Chromesteel	Chromesteel	Chromesteel			Grease	
standard	17.00	47.00	19.00	-	-	62303-2RS	13500	6550	11000	150 g
standard	20.00	42.00	8.00	16004	16004-2Z	16004-2RS	-	-	-	50 g
standard	20.00	42.00	12.00	6004	6004-2Z	6004-2RS	9400	5000	18000	68 g
standard	20.00	47.00	14.00	6204	6204-2Z	6204-2RS	12800	6600	15000	107 g
standard	20.00	47.00	18.00	-	-	62204-2RS	12700	6550	10000	130 g
standard	20.00	52.00	15.00	6304	6304-2Z	6304-2RS	15900	7900	14000	145 g
standard	20.00	52.00	21.00	-	-	62304-2RS	15900	7800	9500	200 g
standard	25.00	47.00	8.00	16005	16005-2Z	16005-2RS	-	-	-	60 g
standard	25.00	47.00	12.00	6005	6005-2Z	6005-2RS	10100	5850	15000	79 g
standard	25.00	52.00	15.00	6205	6205-2Z	6205-2RS	14000	7850	13000	129 g
standard	25.00	52.00	18.00	-	-	62205-2RS	14000	7800	8500	150 g
standard	25.00	62.00	17.00	6305	6305-2Z	6305-2RS	20600	11200	11000	235 g
standard	25.00	62.00	24.00	-	-	62305-2RS	22500	11600	7500	320 g
standard	30.00	55.00	9.00	16006	16006-2Z	16006-2RS	-	-	-	85 g
standard	30.00	55.00	13.00	6006	6006-2Z	6006-2RS	13200	8300	13000	116 g
standard	30.00	62.00	16.00	6206	6206-2Z	6206-2RS	19500	11300	11000	199 g
standard	30.00	62.00	20.00	-	-	62206-2RS	19500	11200	7500	240 g
standard	30.00	72.00	19.00	6306	6306-2Z	6306-2RS	26700	15000	9500	345 g
standard	30.00	72.00	27.00	-	-	62306-2RS	28100	16000	6300	480 g
standard	35.00	62.00	14.00	6007	6007-2Z	6007-2RS	16000	10300	11000	151 g
standard	35.00	72.00	17.00	6207	6207-2Z	6207-2RS	25700	15300	9500	284 g
standard	35.00	72.00	23.00	-	-	62207-2RS	25500	15300	6300	370 g
standard	35.00	80.00	21.00	6307	6307-2Z	6307-2RS	33500	19200	8500	464 g
standard	35.00	80.00	31.00	-	-	62307-2RS	33200	19000	6000	660 g
standard	40.00	68.00	15.00	6008	6008-2Z	6008-2RS	16800	11500	10000	190 g

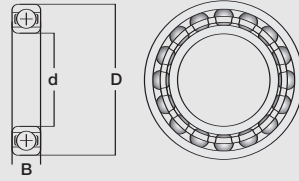
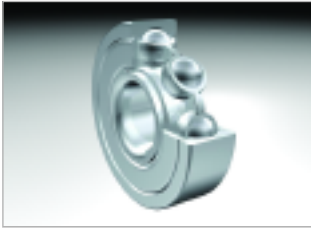


standard or flanged	Dimension			Designation/Type			Loadrating		Limiting Speed (open & 2Z) Grease	Mass (g) approx
	d	D	B	Open	2Z	2RS/2TS	C, dyn. N	C, stat. N		
				Chromesteel	Chromesteel	Chromesteel				
standard	40.00	80.00	18.00	6208	6208-2Z	6208-2RS	29100	17900	8500	366 g
standard	40.00	80.00	23.00	-	-	62208-2RS	30700	19000	5600	440 g
standard	40.00	90.00	23.00	6308	6308-2Z	6308-2RS	40500	24000	7500	636 g
standard	40.00	90.00	33.00	-	-	62308-2RS	41000	24000	5000	890 g
standard	45.00	75.00	16.00	6009	6009-2Z	6009-2RS	20900	15200	9000	241 g
standard	45.00	85.00	19.00	6209	6209-2Z	6209-2RS	31500	20400	7500	420 g
standard	45.00	85.00	23.00	-	-	62209-2RS	33200	21600	5000	480 g
standard	45.00	100.00	25.00	6309	6309-2Z	6309-2RS	53000	32000	6700	829 g
standard	45.00	100.00	36.00	-	-	62309-2RS	52700	31500	4500	1150 g
standard	50.00	80.00	16.00	6010	6010-2Z	6010-2RS	21800	16600	8500	261 g
standard	50.00	90.00	20.00	6210	6210-2Z	6210-2RS	35000	23200	7100	459 g
standard	50.00	90.00	23.00	-	-	62210-2RS	35100	23200	4800	520 g
standard	50.00	110.00	27.00	6310	6310-2Z	6310-2RS	62000	38500	6000	1060 g
standard	50.00	110.00	40.00	-	-	62310-2RS	61800	38000	4300	1550 g



Dimension			Designation/Type					Loadrating		Mass (g) approx
d	D	B	Open	2Z	2RS	2TS	in C3	C, dyn. N	C, stat. N	
10.00	26.00	8.00	S6000	S6000-2Z	S6000-2RS	S6000-2TS	avail. / lieferb.	4,620	1,990	19 g
10.00	28.00	8.00	S16100	S16100-2Z	S16100-2RS	-	-	on request	auf Anfrage	22 g
10.00	30.00	9.00	S6200	S6200-2Z	S6200-2RS	S6200-2TS	avail. / lieferb.	5,070	2,360	32 g
10.00	30.00	14.00	-	-	S62200-2RS	-	avail. / lieferb.	on request	auf Anfrage	40 g
10.00	35.00	11.00	S6300	S6300-2Z	S6300-2RS	-	avail. / lieferb.	8,060	3,400	53 g
10.00	35.00	17.00	-	-	S62300-2RS	-	-	on request	auf Anfrage	60 g
12.00	28.00	8.00	S6001	S6001-2Z	S6001-2RS	S6001-2TS	avail. / lieferb.	5,070	2,360	22 g
12.00	30.00	8.00	S16001	S16001-2Z	S16001-2RS	-	avail. / lieferb.	on request	auf Anfrage	22 g
12.00	32.00	10.00	S6201	S6201-2Z	S6201-2RS	S6201-2TS	avail. / lieferb.	6,870	3,100	37 g
12.00	32.00	14.00	-	-	S62201-2RS	-	-	on request	auf Anfrage	45 g
12.00	37.00	12.00	S6301	S6301-2Z	S6301-2RS	-	avail. / lieferb.	9,750	4,150	60 g
12.00	37.00	17.00	-	-	S62301-2RS	-	-	on request	auf Anfrage	70 g
15.00	32.00	8.00	S16002	S16002-2Z	S16002-2RS	-	avail. / lieferb.	on request	auf Anfrage	25 g
15.00	32.00	9.00	S6002	S6002-2Z	S6002-2RS	S6002-2TS	avail. / lieferb.	5,590	2,850	30 g
15.00	35.00	11.00	S6202	S6202-2Z	S6202-2RS	S6202-2TS	avail. / lieferb.	7,800	3,100	45 g
15.00	35.00	14.00	-	-	S62202-2RS	-	-	on request	auf Anfrage	54 g
15.00	42.00	13.00	S6302	S6302-2Z	S6302-2RS	-	-	11,400	5,400	82 g
15.00	42.00	17.00	-	-	S62302-2RS	-	-	on request	auf Anfrage	110 g
17.00	35.00	8.00	S16003	S16003-2Z	S16003-2RS	-	-	on request	auf Anfrage	32 g
17.00	35.00	10.00	S6003	S6003-2Z	S6003-2RS	S6003-2TS	avail. / lieferb.	6,050	3,250	39 g
17.00	40.00	12.00	S6203	S6203-2Z	S6203-2RS	S6203-2TS	avail. / lieferb.	9,650	4,750	65 g
17.00	40.00	16.00	-	-	S62203-2RS	-	-	on request	auf Anfrage	83 g
17.00	47.00	14.00	S6303	S6303-2Z	S6303-2RS	-	-	13,500	6,550	120 g
17.00	47.00	19.00	-	-	S62303-2RS	-	-	on request	auf Anfrage	150 g
20.00	42.00	8.00	S16004	S16004-2Z	S16004-2RS	-	-	on request	auf Anfrage	50 g

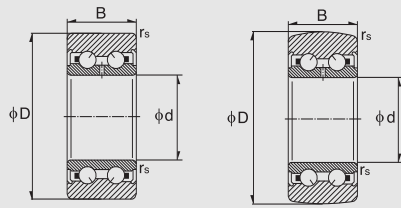
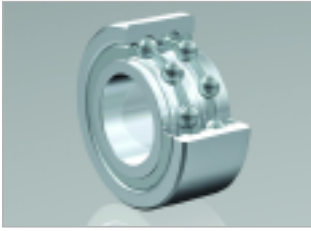
Rostfreie Standarddrillenugellager / Stainless Pop Metric Bearings



Dimension			Designation/Type					Loadrating		Mass (g) approx
d	D	B	Open	2Z	2RS	2TS	in C3	C, dyn. N	C, stat. N	
20.00	42.00	12.00	S6004	S6004-2Z	S6004-2RS	S6004-2TS	avail. / lieferb.	9,360	5,000	69 g
20.00	47.00	14.00	S6204	S6204-2Z	S6204-2RS	S6204-2TS	avail. / lieferb.	12,700	6,550	110 g
20.00	47.00	18.00	-	-	S62204-2RS	-	-	on request	auf Anfrage	130 g
20.00	52.00	15.00	S6304	S6304-2Z	S6304-2RS	-	avail. / lieferb.	15,900	7,800	140 g
20.00	52.00	21.00	-	-	S62304-2RS	-	-	on request	auf Anfrage	200 g
25.00	47.00	8.00	S16005	S16005-2Z	S16005-2RS	-	-	on request	auf Anfrage	60 g
25.00	47.00	12.00	S6005	S6005-2Z	S6005-2RS	-	avail. / lieferb.	11,200	6,550	80 g
25.00	52.00	15.00	S6205	S6205-2Z	S6205-2RS	-	avail. / lieferb.	14,000	7,800	130 g
25.00	52.00	18.00	-	-	S62205-2RS	-	-	on request	auf Anfrage	150 g
25.00	62.00	17.00	S6305	S6305-2Z	S6305-2RS	-	avail. / lieferb.	22,500	11,600	230 g
25.00	62.00	24.00	-	-	S62305-2RS	-	-	on request	auf Anfrage	320 g
30.00	55.00	13.00	S6006	S6006-2Z	S6006-2RS	-	-	13,300	8,300	120 g
30.00	62.00	16.00	S6206	S6206-2Z	S6206-2RS	-	-	19,500	11,200	200 g
30.00	72.00	19.00	S6306	S6306-2Z	S6306-2RS	-	-	28,100	16,000	350 g
35.00	62.00	14.00	S6007	-	S6007-2RS	-	-	15,900	10,200	160 g
35.00	72.00	17.00	S6207	-	S6207-2RS	-	-	25,500	15,300	290 g
40.00	68.00	15.00	S6008	-	S6008-2RS	-	-	16,800	11,600	190 g
40.00	80.00	18.00	S6208	-	S6208-2RS	-	-	30,700	19,000	370 g
40.00	90.00	23.00	S6308	-	S6308-2RS	-	-	33,200	19,000	460 g
45.00	75.00	16.00	S6009	-	S6009-2RS	-	-	20,860	14,600	250 g

Dimension			Designation/Type					Loadrating		Mass (g) approx
d	D	B	Open	2Z	2RS	2TS	in C3	C, dyn. N	C, stat. N	
45.00	85.00	19.00	S6209	-	S6209-2RS	-	-	33,200	21,600	410 g
50.00	80.00	16.00	S6010	-	S6010-2RS	-	-	21,600	16,000	260 g
50.00	90.00	20.00	S6210	-	S6210-2RS	-	-	35,100	23,200	460 g
55.00	90.00	18.00	S6011	-	S6011-2RS	-	-	28,100	21,100	390 g
55.00	100.00	21.00	S6211	-	S6211-2RS	-	-	43,600	29,000	610 g
60.00	95.00	18.00	S6012	-	S6012-2RS	-	-	29,600	23,200	420 g
60.00	110.00	22.00	S6212	-	S6212-2RS	-	-	47,500	32,500	780 g
65.00	100.00	18.00	S6013	S6013-2Z	S6013-2RS	-	-	30,700	25,000	440 g
65.00	120.00	23.00	S6213	S6213-2Z	S6213-2RS	-	-	55,900	40,500	990 g
70.00	110.00	20.00	S6014	S6014-2Z	S6014-2RS	-	-	29,680	24,200	580 g
70.00	125.00	24.0	S6214	S6214-2Z	S6214-2RS	-	-	46,790	37,590	1080 g
75.00	115.00	20.00	S6015	-	S6015-2RS	-	-	30,910	26,600	610 g
75.00	130.00	25.00	S6215	-	S6215-2RS	-	-	50,850	41,260	1180 g
80.00	125.00	22.00	S6016	-	S6016-2RS	-	-	on request	auf Anfrage	850 g
80.00	140.00	26.00	S6216	-	S6216-2RS	-	-	on request	auf Anfrage	1400 g
90.00	140.00	24.00	S6018	-	S6018-2RS	-	-	on request	auf Anfrage	1150 g
90.00	160.00	30.00	S6218	-	S6218-2RS	-	-	on request	auf Anfrage	2150 g
100.00	150.00	24.00	S6020	-	S6020-2RS	-	-	on request	auf Anfrage	1250 g
100.00	180.00	34.00	S6220	-	S6220-2RS	-	-	on request	auf Anfrage	3150 g

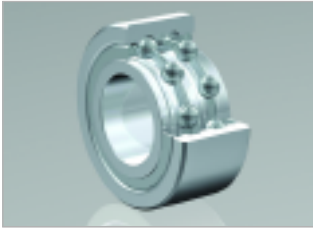
Laufrolle der LR Serie / LR Series (track roller)



Dimension			Designation/Type			
d	D	B	2Z		2RS	
			KDD	KDDU	NPP	NPPU
5.00	17.00	7.00	-	-	-	LR 50/5 NPPU
6.00	19.00	9.00	-	-	-	LR 50/6 NPPU
7.00	22.00	10.00	-	-	-	LR 50/7 NPPU
8.00	24.00	11.00	-	-	-	LR 50/8 NPPU
10.00	28.00	12.00	-	-	-	LR 5000 NPPU
10.00	32.00	9.00	-	-	LR 200 NPP	LR 200 NPPU
10.00	32.00	14.00	LR 5200 KDD	LR 5200 KDDU	-	LR 5200 NPPU
12.00	30.00	12.00	-	-	-	LR 5001 NPPU
12.00	35.00	10.00	-	-	LR 201 NPP	LR 201 NPPU
12.00	35.00	15.90	LR 5201 KDD	LR 5201 KDDU	-	LR 5201 NPPU
12.00	42.00	19.00	-	-	-	LR 5301 NPPU
15.00	35.00	13.00	-	-	-	LR 5002 NPPU
15.00	40.00	11.00	-	-	LR 202 NPP	LR 202 NPPU
15.00	40.00	15.90	LR 5202 KDD	LR 5202 KDDU	-	LR 5202 NPPU
15.00	47.00	19.00	-	-	-	LR 5302 NPPU
17.00	40.00	14.00	-	-	-	LR 5003 NPPU
17.00	47.00	12.00	-	-	LR 203 NPP	LR 203 NPPU
17.00	47.00	17.50	LR 5203 KDD	LR 5203 KDDU	-	LR 5203 NPPU
17.00	52.00	22.20	-	-	-	LR 5303 NPPU
20.00	47.00	16.00	-	-	-	LR 5004 NPPU
20.00	52.00	14.00	-	-	LR 204 NPP	LR 204 NPPU
20.00	52.00	20.60	LR 5204 KDD	LR 5204 KDDU	-	LR 5204 NPPU
20.00	62.00	22.20	LR 5304 KDD	LR 5304 KDDU	-	LR 5304 NPPU
25.00	52.00	16.00	-	-	-	LR 5005 NPPU
25.00	62.00	15.00	-	-	LR 205 NPP	LR 205 NPPU

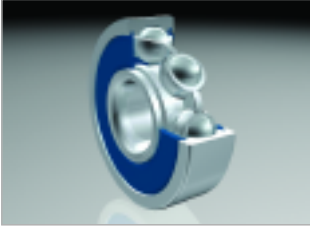
Loadrating		Radius	Speed		Mass (g) approx
C, dyn. N	C, stat. N		rpm NNP(U)	rpm KDD(U)	
1,650	950	0,2	12,000	-	10 g
2,650	1,310	0,3	11,000	-	20 g
3,300	1,690	0,3	10,000	-	20 g
4,200	2,360	0,3	10,000	-	30 g
4,750	2,850	0,3	9,000	-	30 g
4,350	2,130	0,6	13,000	-	50 g
6,800	4,050	0,6	8,000	11,000	70 g
4,950	3,100	0,3	8,500	-	30 g
5,600	2,700	0,6	12,000	-	50 g
8,600	5,100	0,6	7,500	10,000	80 g
11,300	7,100	1,0	5,000	-	120 g
6,500	4,100	0,3	7,000	-	50 g
6,500	3,300	0,6	11,000	-	70 g
9,800	6,200	0,6	7,000	10,000	110 g
14,600	9,200	1,0	5,000	-	150 g
7,700	5,200	0,3	6,000	-	70 g
8,400	4,400	0,6	9,000	-	110 g
12,600	8,200	0,6	5,500	7,500	170 g
17,200	11,100	0,6	4,700	-	210 g
11,500	7,700	0,6	5,500	-	120 g
10,500	5,600	1,0	8,000	-	150 g
15,800	10,500	1,0	5,000	7,000	230 g
21,100	14,500	1,1	4,500	6,500	340 g
11,600	8,100	0,6	4,700	-	150 g
12,500	7,100	1,0	7,000	-	230 g

Laufrolle der LR Serie / LR Series (track roller)



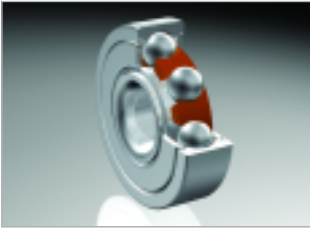
Dimension			Designation/Type			
d	D	B	2Z		2RS	
			KDD	KDDU	NPP	NPPU
25.00	62.00	20.60	LR 5205 KDD	LR 5205 KDDU	-	LR 5205 NPPU
25.00	72.00	25.40	LR 5305 KDD	LR 5305 KDDU	-	LR 5305 NPPU
30.00	62.00	19.00	-	-	-	LR 5006 NPPU
30.00	72.00	16.00	-	-	LR 206 NPP	LR 206 NPPU
30.00	72.00	23.80	LR 5206 KDD	LR 5206 KDDU	-	LR 5206 NPPU
30.00	80.00	30.20	LR 5306 KDD	LR 5306 KDDU	-	LR 5306 NPPU
35.00	68.00	20.00	-	-	-	LR 5007 NPPU
35.00	80.00	17.00	-	-	LR 207 NPP	LR 207 NPPU
35.00	80.00	27.00	LR 5207 KDD	LR 5207 KDDU	-	LR 5207 NPPU
35.00	90.00	34.90	LR 5307 KDD	LR 5307 KDDU	-	LR 5307 NPPU
40.00	75.00	21.00	-	-	-	LR 5008 NPPU
40.00	85.00	18.00	-	-	LR 208 NPP	LR 208 NPPU
40.00	85.00	30.20	LR 5208 KDD	LR 5208 KDDU	-	LR 5208 NPPU
40.00	100.00	36.50	LR 5308 KDD	LR 5308 KDDU	-	LR 5308 NPPU
45.00	90.00	19.00	-	-	LR 209 NPP	LR 209 NPPU

Loadrating		Radius	Speed		Mass (g) approx
C, dyn. N	C, stat. N		rpm NNP(U)	rpm KDD(U)	
18,500	13,000	1,1	4,500	6,500	340 g
27,500	19,500	1,1	3,900	5,500	500 g
15,800	11,800	1,0	4,000	-	250 g
16,600	9,600	1,0	5,500	-	330 g
24,600	21,400	1,0	3,500	5,000	510 g
36,500	26,500	1,1	3,100	4,300	670 g
17,600	13,100	1,0	4,300	-	300 g
20,200	11,900	1,1	4,500	-	400 g
30,500	22,400	1,1	2,800	3,900	660 g
44,500	33,000	1,5	2,500	3,600	970 g
18,400	14,600	1,0	3,100	-	370 g
22,800	13,600	1,1	4,000	-	450 g
34,500	25,500	1,1	2,500	3,500	750 g
56,000	4,200	1,5	2,300	3,300	1200 g
22,500	13,700	1,1	3,600	-	500 g



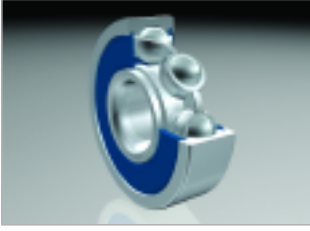
Dimension			Dimension			Dimension		
d	D	B	d	D	B	d	D	B
4.762	17.462	6.350	0.188	0.688	0.250	3/16	11/16	1/4
6.350	17.462	6.350	0.250	0.688	0.250	1/4	11/16	1/4
7.937	22.225	7.143	0.313	0.875	0.281	5/16	7/8	9/32
9.525	22.225	7.143	0.375	0.875	0.281	3/8	7/8	9/32
7.937	23.018	7.937	0.313	0.906	0.313	5/16	29/32	5/16
9.525	23.018	7.937	0.375	0.906	0.313	3/8	29/32	5/16
11.112	23.018	7.937	0.438	0.906	0.313	7/16	29/32	5/16
9.525	28.575	9.525	0.375	1.125	0.375	3/8	1 1/8	3/8
11.112	28.575	9.525	0.438	1.125	0.375	7/16	1 1/8	3/8
12.700	28.575	9.525	0.500	1.125	0.375	1/2	1 1/8	3/8
11.112	34.925	11.112	0.438	1.375	0.438	7/16	1 3/8	7/16
12.700	34.925	11.112	0.500	1.375	0.438	1/2	1 3/8	7/16
14.287	34.925	11.112	0.563	1.375	0.438	9/16	1 3/8	7/16
15.875	34.925	11.112	0.625	1.375	0.438	5/8	1 3/8	7/16
15.875	41.275	12.700	0.625	1.625	0.500	5/8	1 5/8	1/2
19.050	44.450	12.700	0.750	1.750	0.500	3/4	1 3/4	1/2
22.225	50.800	14.287	0.875	2.000	0.563	7/8	2	9/16

Designation/Type				Load rating (only 100 Cr6)		Mass (g) approx
2Z		2RS		C, dyn. N	C, stat. N	
Chromesteel	Stainless	Chromesteel	Stainless			
1601-2Z	S1601-2Z	1601-2RS	S1601-2RS	1308	650	5 g
1602-2Z	S1602-2Z	1602-2RS	S1602-2RS	1308	650	6 g
1603-2Z	S1603-2Z	1603-2RS	S1603-2RS	2065	1014	9 g
1604-2Z	S1604-2Z	1604-2RS	S1604-2RS	2065	1014	8 g
1605-2Z	S1605-2Z	1605-2RS	S1605-2RS	2065	1014	16 g
1606-2Z	S1606-2Z	1606-2RS	S1606-2RS	2065	1014	21 g
1607-2Z	S1607-2Z	1607-2RS	S1607-2RS	1780	1020	22 g
1614-2Z	S1614-2Z	1614-2RS	S1614-2RS	1780	1020	35 g
1615-2Z	S1615-2Z	1615-2RS	S1615-2RS	1780	1020	32 g
1616-2Z	S1616-2Z	1616-2RS	S1616-2RS	1780	1020	29 g
1620-2Z	S1620-2Z	1620-2RS	S1620-2RS	2670	1575	45 g
1621-2Z	S1621-2Z	1621-2RS	S1621-2RS	2670	1575	50 g
1622-2Z	S1622-2Z	1622-2RS	S1622-2RS	2670	1575	46 g
1623-2Z	S1623-2Z	1623-2RS	S1623-2RS	2670	1575	40 g
1628-2Z	S1628-2Z	1628-2RS	S1628-2RS	3284	2020	72 g
1635-2Z	S1635-2Z	1635-2RS	S1635-2RS	3284	2020	84 g
1640-2Z	S1640-2Z	1640-2RS	SR 1640-2RS	4895	3155	111 g

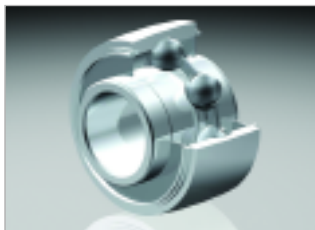


Dimension			Designation/Type	Limiting Speed x1000rpm	Loadrating		Lubrication	Mass (g) approx
d	D	B			C, dyn. N	C, stat. N		
4,0	13,0	5,0	624-2Z.T9H.C3	40	1300	485	Oil	4 g
5,0	16,0	5,0	625-2Z.T9H.C3	36	1730	670	Oil	6 g
6,0	13,0	5,0	686-2Z.T9H.C3	40	1080	440	Oil	4 g
6,0	19,0	6,0	626-2Z.T9H.C3	32	2340	885	Oil	10 g
7,0	14,0	5,0	687-2Z.T9H.C3	40	1170	510	Oil	4 g
7,0	19,0	6,0	607-2Z.T9H.C3	36	2340	885	Oil	8 g
7,0	22,0	7,0	627-2Z.T9H.C3	30	3300	1370	Oil	14 g
8,0	16,0	5,0	688-2Z.T9H.C3	36	1260	590	Oil	4 g
8,0	22,0	7,0	608-2Z.T9H.C3	34	3300	1370	Oil	14 g
8,0	24,0	8,0	628-2Z.T9H.C3	28	3350	1430	Oil	18 g
9,0	17,0	5,0	689-2Z.T9H.C3	36	1330	665	Oil	5 g
9,0	26,0	8,0	629-2Z.T9H.C3	28	4550	1970	Oil	22 g
10,0	26,0	8,0	6000-2Z.T9H.C3	30	4550	1970	Oil	18 g
10,0	30,0	9,0	6200-2Z.T9H.C3	24	5100	2390	Oil	32 g
10,0	19,0	5,0	61800-Z.T9H.C3	34	1720	840	Oil	6 g

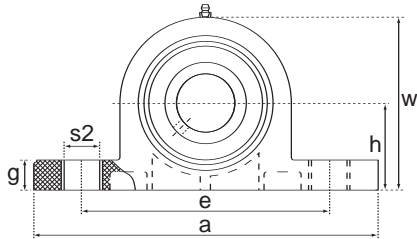
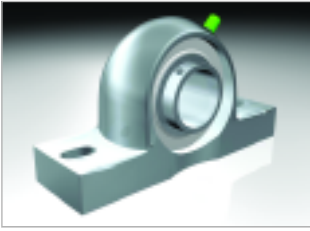
Dimension			Designation/Type	Limiting Speed x1000rpm	Loadrating		Lubrication	Mass (g) approx
d	D	B			C, dyn. N	C, stat. N		
10,0	22,0	6,0	61900-Z.T9H.C3	32	2700	1270	Oil	9 g
12,0	28,0	8,0	6001-2Z.T9H.C3	28	5100	2370	Oil	22 g
12,0	32,0	10,0	6201-2Z.T9H.C3	22	6800	3050	Oil	37 g
12,0	21,0	5,0	61801-Z.T9H.C3	32	1920	1040	Oil	7 g
12,0	24,0	6,0	61901-Z.T9H.C3	30	2890	1460	Oil	10 g
15,0	32,0	9,0	6002-2Z.T9H.C3	24	5600	2830	Oil	31 g
15,0	35,0	11,0	6202-2Z.T9H.C3	20	7650	3750	Oil	45 g
15,0	24,0	5,0	61802-Z.T9H.C3	28	2070	1260	Oil	8 g
15,0	28,0	7,0	61902-Z.T9H.C3	26	4350	2260	Oil	15 g
17,0	35,0	10,0	6003-2Z.T9H.C3	22	6000	3250	Oil	41 g
17,0	40,0	12,0	6203-2Z.T9H.C3	17	9550	4800	Oil	67 g
17,0	26,0	5,0	61803-Z.T9H.C3	26	2630	1570	Oil	9 g
17,0	30,0	7,0	61903-Z.T9H.C3	24	4600	2550	Oil	10 g
20,0	42,0	12,0	6004-2Z.T9H.C3	18	9400	5000	Oil	68 g
20,0	47,0	14,0	6204-2Z.T9H.C3	15	12800	6600	Oil	107 g



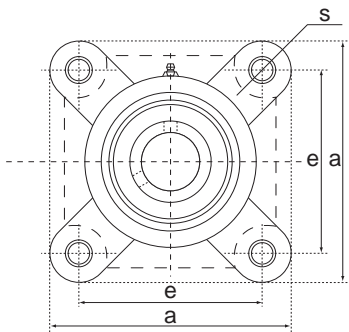
standard or flanged	Dimension mm			Dimension inch		Designation/Type		Loadrating		Limiting Speed x1000 Grease	Mass (g) approx
	d	D	B	d	d	2Z	2RS/2TS	C, dyn. N	C, stat. N		
						Chromesteel	Chromesteel				
Standard	6.00	21.00	6.00	-	-	626/21-2Z	-	2336	896	32	8 g
Standard	8.00	22.00	6.00	-	-	608-2ZW6	-	3293	1379	34	12 g
Standard	8.00	24.00	7.00	-	-	608/24-2Z	-	3293	1379	34	14 g
Standard	8.00	26.00	7.00	-	-	608/26-2Z	-	3293	1379	34	15 g
Standard	10.00	35.00	11.00	-	-	6200/35-2Z	-	5100	2390	24	45 g
Standard	12.70	32.00	10.00	0.500	1/2	6201-2Z1/2	6201-2RS1/2	6800	3050	22	37 g
Standard	13.00	32.00	10.00	-	-	6201-2Z/13	-	6800	3050	22	37 g
Standard	15.87	35.00	11.00	0.625	5/8	6202-2Z5/8	6202-2RS5/8	7650	3750	20	45 g
Standard	16.00	35.00	11.00	-	-	6202-2Z/16	-	7650	3750	20	45 g
Standard	15.00	47.00	11.00	-	-	6202/47-2Z	6202/47-2RS	7650	3750	20	100 g
Standard	15.87	40.00	12.00	0.625	5/8	6203-2Z5/8	6203-2RS5/8	9550	4800	17	67 g
Standard	16.00	40.00	12.00	-	-	6203-2Z/16	-	9550	4800	17	67 g
Standard	19.05	40.00	12.00	-	-	6203-2Z3/4	6203-2RS3/4	9550	4800	17	67 g
Standard	19.05	47.00	12.00	0.750	3/4	6204-2Z3/4	-	12800	6600	15	107 g
Standard	22.22	47.00	14.00	0.750	3/4	6204-2Z7/8	-	12800	6600	15	107 g



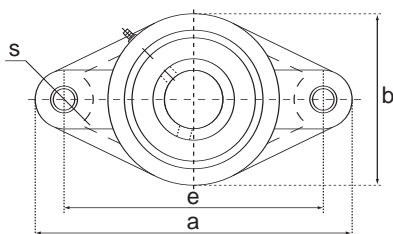
Ref. No	Bore Diameter	Outer Diameter	Outer Height	Inner Height	Basic Load Dynamic (N)	Basic Load Static (N)
SUC 201	12.00	47.00	17.00	31.00	7500	4500
SUC 202	15.00	47.00	17.00	31.00	7500	4500
SUC 203	17.00	47.00	17.00	31.00	7500	4500
SUC 204	20.00	47.00	17.00	31.00	10000	6300
SUC 205	25.00	52.00	17.00	34.10	11000	7100
SUC 206	30.00	62.00	19.00	38.10	15200	10200
SUC 207	35.00	72.00	20.00	42.90	20100	18100
SUC 209	45.00	85.00	22.00	49.20	25600	18100
SUC 210	50.00	90.00	23.00	31.60	27500	20200



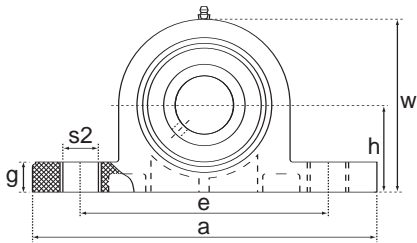
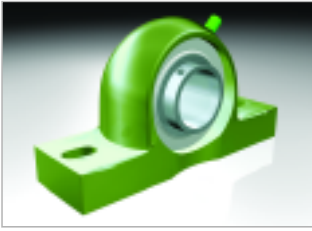
Ref.										Weight	
No.	Da	h	a	e	b	S1	S2	g	w	(kg)	Bearing
SP204	47	33.3	126	95	38	11	17.5	15.1	65.1	0.69	SUC204
SP205	52	36.5	140	105	38	12.5	17.5	16	70	0.74	SUC205
SP206	62	42.9	165	121	48	14.3	21	18	83	1.29	SUC206
SP207	72	47.6	167	127	48	14.3	22	19	94	1.42	SUC207
SP208	80	49.2	184	136.5	54	14.3	22	19	100	1.82	SUC208
SP209	85	54.0	190	146	54	15	22	20	109	2.09	SUC209
SP210	90	57.2	206	159	60	18	24	22	114	2.38	SUC210



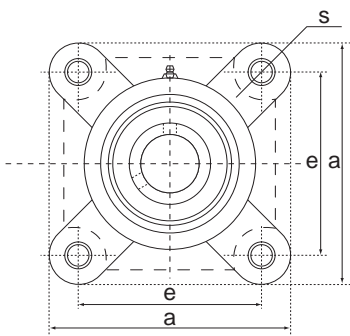
Ref.								Weight	
No.	Da	a	e	i	l	g	s	(kg)	Bearing
SF204	47	86	63.5	15.1	25.4	12	11	0.47	SUC204
SF205	52	95	70	15.9	27	14	11.5	0.65	SUC205
SF206	62	108	82.5	17.9	30	14	13.1	0.85	SUC206
SF207	72	117.5	92	19.1	33	14.3	13.1	1.03	SUC207
SF208	80	130	101.6	21	36	14.3	14	1.38	SUC208
SF209	85	137	104.8	21.8	37	14.3	16	1.5	SUC209
SF210	90	143	111	21.8	38	15.1	16	1.63	SUC210



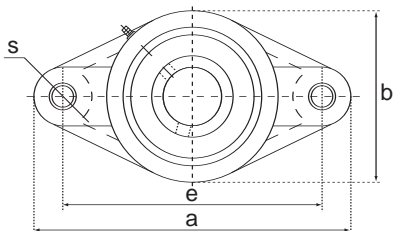
Ref.									Weight	
No.	Da	a	e	i	b	l	g	s	(kg)	Bearing
SFL204	47	112	89.7	15.1	60	25.4	11.5	11	0.32	SUC204
SFL205	52	125	98.8	15.9	68	27	13	12	0.44	SUC205
SFL206	62	141	116.7	17.9	80	30	13	12	0.58	SUC206
SFL207	72	155.5	130.2	19.1	90	33	14.3	13	0.74	SUC207
SFL208	80	171.5	143.7	21	100	36	14.3	13	0.99	SUC208
SFL209	85	179	148.4	21.8	108	37	14.3	16	1.16	SUC209
SFL210	90	189	157	21.8	115	38	15.1	16	1.36	SUC210



Ref.												Weight	
No.	h	a	e	b	S1	S2	g	w	Bi	n	(kg)	Bearing	
TP201	33.3	127	95	38	11	14	14.2	65	31	12.7	0.12	SUC201	
TP202	33.3	127	95	38	11	14	14.2	65	31	12.7	0.12	SUC202	
TP203	33.3	127	95	38	11	14	14.2	65	31	12.7	0.12	SUC203	
TP204	33.3	127	95	38	11	14	14.2	69.5	31	12.7	0.12	SUC204	
TP205	36.5	140.6	105	38	11	14	14.5	71	34	14.3	0.14	SUC205	
TP206	42.9	163	118	46	14	18	17.8	84	38.1	15.9	0.2	SUC206	
TP207	47.6	168	127	48	14	18	18	94.5	42.9	17.5	0.25	SUC207	
TP208	49.2	184	137	54	14	18	19.5	99	49.2	19	0.35	SUC208	
TP209	54	192	146	54	17	20	23	106	49.2	19	0.45	SUC209	
TP210	57.2	206	159	60	17	20	23	114	51.6	19	0.55	SUC210	

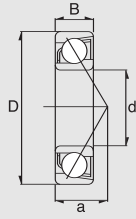


Ref.											Weight	
No.	a	e	g	l	s	z	i	Bi	n	(kg)	Bearing	
TF201	86	63.5	13.4	27.8	11	36.3	18	31	12.7	0.12	SUC201	
TF202	86	63.5	13.4	27.8	11	36.3	18	31	12.7	0.12	SUC202	
TF203	86	63.5	13.4	27.8	11	36.3	18	31	12.7	0.12	SUC203	
TF204	86	63.5	13.4	27.8	11	36.3	18	31	12.7	0.12	SUC204	
TF205	95	70	14	28	11	36.7	17	34	14.3	0.15	SUC205	
TF206	107	83	14.3	31.5	11	41.4	19.2	38.1	15.9	0.18	SUC206	
TF207	118	92	15.5	34.8	13	46.9	21.5	42.9	17.5	0.26	SUC207	
TF208	130	102	17	37.5	14	53.2	23	49.2	19	0.33	SUC208	
TF209	137	105	19	41	17	54.2	24	49.2	19	0.42	SUC209	
TF210	143	111	21	43	17	57.6	25	51.6	19	0.51	SUC210	

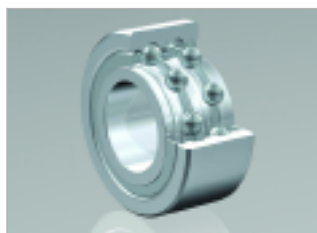


Ref.												Weight	
No.	a	e	b	g	l	s	z	i	Bi	n	(kg)	Bearing	
TLF201	113	90	64	11.4	26.5	11	33.7	15.4	31	12.7	0.08	SUC201	
TLF202	113	90	64	11.4	26.5	11	33.7	15.4	31	12.7	0.08	SUC202	
TLF203	113	90	64	11.4	26.5	11	33.7	15.4	31	12.7	0.08	SUC203	
TLF204	113	90	64	11.4	26.5	11	33.7	15.4	31	12.7	0.08	SUC204	
TLF205	131	99	69.6	13.5	29.1	11	36.7	17	34	14.3	0.1	SUC205	
TLF206	148	117	80	13.3	30.5	11	41.2	19	38.1	15.9	0.13	SUC206	
TLF207	164	130	90	16.1	32.9	13	43.4	19	42.9	17.5	0.16	SUC207	
TLF208	176	144	100	20	37.5	14	51.7	21.5	49.2	19	0.24	SUC208	
TLF209	188	148	108	21	41	17	54.2	24	49.2	19	0.32	SUC209	
TLF210	197	157	115	21	43	17	57.6	25	51.6	19	0.42	SUC210	

Einreihings Schrägkugellager Niro / Stainless Single Row Angular Contact Bearing

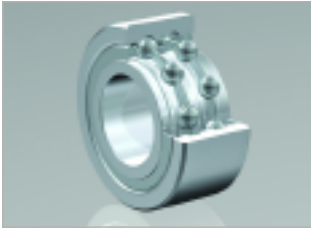


Dimension			Designation/Type				Loadrating (only 100 Cr6)		Limiting Speed (open)		Mass (g) approx
d	D	B	Open		2RS		C, dyn. N	C, stat. N	Grease	Oil	
			Chromesteel	Stainless	Chromesteel	Stainless					
10.0	30.0	9.0	7200B	S7200B	7200B-2RS	avail. / lieferb.	6 350	2 720	11 900	23 500	30 g
12.0	32.0	10.0	7201B	S7201B	7201B-2RS	avail. / lieferb.	8 050	3 740	17 500	23 500	30 g
15.0	35.0	11.0	7202B	S7202B	7202B-2RS	avail. / lieferb.	8 700	4 360	16 000	21 500	40 g
17.0	40.0	12.0	7203B	S7203B	7203B-2RS	avail. / lieferb.	10 700	5 550	14 200	19 000	60 g
20.0	47.0	14.0	7204B	S7204B	7204B-2RS	avail. / lieferb.	15 400	8 200	12 400	17 000	100 g
25.0	52.0	15.0	7205B	S7205B	7205B-2RS	avail. / lieferb.	16 400	9 350	11 000	14 900	120 g
30.0	62.0	16.0	7206B	S7206B	7206B-2RS	avail. / lieferb.	23 400	14 300	9 400	12 700	190 g
35.0	72.0	17.0	7207B	S7207B	7207B-2RS	avail. / lieferb.	30 300	19 100	8 200	11 000	260 g
40.0	80.0	18.0	7208B	S7208B	7208B-2RS	avail. / lieferb.	35 500	23 000	7 300	9 900	350 g
45.0	85.0	19.0	7209B	S7209B	7209B-2RS	avail. / lieferb.	37 200	25 400	6 800	9 100	400 g
50.0	90.0	20.0	7210B	S7210B	7210B-2RS	avail. / lieferb.	38 800	27 800	6 300	8 500	440 g
10.0	35.0	11.0	7300B	S7300B	7300B-2RS	avail. / lieferb.	9 150	3 840	10 800	21 500	60 g
12.0	37.0	12.0	7301B	S7301B	7301B-2RS	avail. / lieferb.	10 900	4 960	16 000	22 000	60 g
15.0	42.0	13.0	7302B	S7302B	7302B-2RS	avail. / lieferb.	13 100	6 100	14 200	19 000	80 g
17.0	47.0	14.0	7303B	S7303B	7303B-2RS	avail. / lieferb.	16 600	8 300	12 900	17 500	110 g
20.0	52.0	15.0	7304B	S7304B	7304B-2RS	avail. / lieferb.	19 300	9 900	11 700	16 000	150 g
25.0	62.0	17.0	7305B	S7305B	7305B-2RS	avail. / lieferb.	25 000	13 400	9 900	13 300	220 g
30.0	72.0	19.0	7306B	S7306B	7306B-2RS	avail. / lieferb.	33 700	19 400	8 500	11 500	330 g
35.0	80.0	21.0	7307B	S7307B	7307B-2RS	avail. / lieferb.	37 400	22 200	7 600	10 300	430 g
40.0	90.0	23.0	7308B	S7308B	7308B-2RS	avail. / lieferb.	49 300	29 900	6 800	9 100	600 g
45.0	100.0	25.0	7309B	S7309B	7309B-2RS	avail. / lieferb.	60 500	38 800	6 100	8 200	810 g
50.0	110.0	27.0	7310B	S7310B	7310B-2RS	avail. / lieferb.	72 000	47 100	5 500	7 400	05 g



Dimension			Designation/Type				Loadrating (only 100 Cr6)		Limiting Speed (open)		Mass (g) approx
d	D	B	Open		2RS		C, dyn. N	C, stat. N	Grease	Oil	
			Chromesteel	Stainless	Chromesteel	Stainless					
17.0	40.0	17.5	3203	S3203	3203-2RS	S3203-2RS	14 400	8 650	10 000	15 000	103 g
20.0	47.0	20.6	3204	S3204	3204-2RS	S3204-2RS	19 300	12 000	9 000	13 000	168 g
25.0	52.0	20.6	3205	S3205	3205-2RS	S3205-2RS	20 900	14 100	8 000	11 000	194 g
30.0	62.0	23.8	3206	S3206	3206-2RS	S3206-2RS	29 100	20 100	7 100	9 000	316 g
35.0	72.0	27.0	3207	S3207	3207-2RS	S3207-2RS	38 400	27 400	5 600	7 100	484 g
40.0	80.0	30.2	3208	S3208	3208-2RS	S3208-2RS	47 400	34 600	5 000	6 300	654 g
45.0	85.0	30.2	3209	S3209	3209-2RS	S3209-2RS	47 500	35 400	4 500	5 400	709 g
50.0	90.0	30.2	3210	S3210	3210-2RS	S3210-2RS	50 700	40 200	4 000	4 600	764 g
17.0	47.0	22.2	3303	S3303	3303-2RS	S3303-2RS	20 900	11 900	9 500	14 000	190 g
20.0	52.0	22.2	3304	S3304	3304-2RS	S3304-2RS	23 100	14 500	8 500	12 000	230 g
25.0	62.0	25.4	3305	S3305	3305-2RS	S3305-2RS	29 500	19 100	7 500	10 000	369 g
30.0	72.0	30.2	3306	S3306	3306-2RS	S3306-2RS	41 000	27 400	6 200	7 900	585 g
35.0	80.0	34.9	3307	S3307	3307-2RS	S3307-2RS	51 200	33 200	5 100	6 500	816 g
40.0	90.0	36.5	3308	S3308	3308-2RS	S3308-2RS	61 900	43 400	4 700	5 800	1070 g
45.0	100.0	38.7	3309	S3309	3309-2RS	S3309-2RS	89 000	79 300	4 500	6 000	1420 g
50.0	110.0	44.4	3310	S3310	3310-2RS	S3310-2RS	107 000	96 300	4 000	5 300	1930 g
17.0	40.0	16.0	4203	S4203	4203-2RS	S4203-2RS	11700	10400	10000	14 200	100 g
20.0	47.0	18.0	4204	S4204	4204-2RS	S4204-2RS	16400	16000	9000	12 400	159 g
25.0	52.0	18.0	4205	S4205	4205-2RS	S4205-2RS	16300	16900	7500	11 000	181 g
30.0	62.0	20.0	4206	S4206	4206-2RS	S4206-2RS	22000	24700	6400	9 500	277 g
35.0	72.0	23.0	4207	S4207	4207-2RS	S4207-2RS	26400	30700	5600	8 200	463 g
40.0	80.0	23.0	4208	S4208	4208-2RS	S4208-2RS	33200	42400	4700	7 300	553 g
45.0	85.0	23.0	4209	S4209	4209-2RS	S4209-2RS	31800	43900	4600	6 800	621 g

Zweireihings Schrägkugellager Rostfrei / Stainless Double Row Angular Contact Bearing



Dimension			Designation/Type				Loadrating (only 100 Cr6)		Limiting Speed (open)		Mass (g) approx
d	D	B	Open		2RS		C, dyn. N	C, stat. N	Grease	Oil	
			Chromesteel	Stainless	Chromesteel	Stainless					
50.0	90.0	28.0	4210	S4210	4210-2RS	S4210-2RS	31400	44600	4200	6 300	635 g
17.0	40.0	17.5	5203	S5203	5203-2RS	S5203-2RS	14600	9050	11000	16 000	96 g
20.0	47.0	20.0	5204	S5204	5204-2RS	S5204-2RS	19600	12400	10000	15 000	160 g
25.0	52.0	20.6	5205	S5205	5205-2RS	S5205-2RS	21300	14700	8500	11 000	180 g
30.0	62.0	23.8	5206	S5206	5206-2RS	S5206-2RS	25600	21100	7100	9 500	290 g
35.0	72.0	27.0	5207	S5207	5207-2RS	S5207-2RS	39000	28700	6300	8 000	440 g
40.0	80.0	30.2	5208	S5208	5208-2RS	S5208-2RS	44000	33500	5600	7 500	580 g
45.0	85.0	30.2	5209	S5209	5209-2RS	S5209-2RS	49500	38000	5000	6 700	630 g
50.0	90.0	30.2	5210	S5210	5210-2RS	S5210-2RS	53000	43500	4800	6 300	660 g
17.0	47.0	22.2	5303	S5303	5303-2RS	S5303-2RS	21000	12600	10000	14 000	180 g
20.0	52.0	22.2	5304	S5304	5304-2RS	S5304-2RS	24600	16000	9000	12 000	220 g
25.0	62.0	25.4	5305	S5305	5305-2RS	S5305-2RS	32500	20700	7500	10 000	350 g
30.0	72.0	30.2	5306	S5306	5306-2RS	S5306-2RS	40500	28100	6300	8 500	530 g
35.0	80.0	34.9	5307	S5307	5307-2RS	S5307-2RS	51000	36000	5600	7 500	730 g
40.0	90.0	36.5	5308	S5308	5308-2RS	S5308-2RS	56500	41000	5300	6 700	950 g
45.0	100.0	38.7	5309	S5309	5309-2RS	S5309-2RS	68500	51000	4500	6 000	1400 g
50.0	110.0	44.4	5310	S5310	5310-2RS	S5310-2RS	81800	62200	3600	5 300	1950 g

Fraction	Inch	mm	Fraction	Inch	mm	Fraction	Inch	mm
1/64	0.0156	0.3969		0.2883	7.3228	11/16	0.6875	17.4625
	0.0250	0.6350	19/64	0.2969	7.5406	45/64	0.7031	17.8594
1/32	0.0312	0.7937	5/16	0.3125	7.9375		0.7087	18.0000
	0.0394	1.0000		0.3150	8.0000	23/32	0.7187	18.2562
	0.0400	1.0160	21/64	0.3281	8.3344	47/64	0.7344	18.6532
3/64	0.0469	1.1906	11/32	0.3437	8.7312		0.7435	18.8849
	0.0472	1.2000		0.3543	9.0000		0.7480	19.0000
	0.0550	1.3970	23/64	0.3594	9.1281	3/4	0.7500	19.0500
	0.0591	1.5000	3/8	0.3750	9.5250	49/64	0.7656	19.4469
1/16	0.0625	1.5875	25/64	0.3906	9.2919		0.7717	19.6012
	0.0709	1.8000		0.3937	10.0000	25/32	0.7812	19.8433
5/64	0.0781	1.9844	13/32	0.4062	10.3187		0.7874	20.0000
	0.0787	2.0000		0.4100	10.4140	51/64	0.7969	20.2402
	0.0906	2.3012	27/64	0.4219	10.7156	13/16	0.8125	20.6375
3/32	0.0937	2.3812		0.4250	10.7950		0.8268	21.0000
	0.0984	2.5000		0.4331	11.0000	53/64	0.8281	21.0344
	0.1000	2.5400	7/16	0.4375	11.1125	27/32	0.8437	21.4312
	0.1024	2.6000	29/64	0.4531	11.5094	55/64	0.8594	21.8281
7/64	0.1094	2.7781		0.4600	11.6840		0.8661	22.0000
	0.1100	2.7940	15/32	0.4687	11.9062	7/8	0.8750	22.2250
	0.1102	2.8000		0.4724	12.0000	57/64	0.8906	22.6219
	0.1181	3.0000	31/64	0.4844	12.3031		0.9055	23.0000
1/8	0.1250	3.1750	1/2	0.5000	12.7000	29/32	0.9062	23.0187
	0.1256	3.1902		0.5118	13.0000	59/64	0.9219	23.4156
	0.1378	3.5000	33/64	0.5156	13.0968	15/16	0.9375	23.8125
9/64	0.1406	3.5719	17/32	0.5312	13.4937		0.9449	24.0000
5/32	0.1562	3.9687	35/64	0.5469	13.8906	61/64	0.9531	24.2094
	0.1575	4.0000		0.5512	14.0000	31/32	0.9687	24.6062
11/64	0.1719	4.3656	9/16	0.5625	14.2875		0.9843	25.0000
3/16	0.1875	4.7625	37/64	0.5781	14.6844	63/64	0.9844	25.0031
	0.1892	4.8057		0.5906	15.0000		1.0000	25.4000
	0.1969	5.0000	19/32	0.5937	15.0812		1.0236	26.0000
13/64	0.2031	5.1594	39/64	0.6094	15.4781		1.0415	26.4541
	0.2165	5.4991	5/8	0.6250	15.8750		1.0480	26.6192
7/32	0.2187	5.5562		0.6299	16.0000	1-1/16	1.0625	26.9875
15/64	0.2344	5.9531	41/64	0.6406	16.2719		1.0630	27.0000
	0.2362	6.0000		0.6500	16.5100		1.1025	28.0000
1/4	0.2500	6.3500	21/32	0.6562	16.6687	1-1/8	1.1250	28.5750
17/64	0.2656	6.7469		0.6620	16.8148		1.1417	29.0000
	0.2756	7.0000		0.6693	17.0000		1.1812	30.0000
9/32	0.2812	7.1437	43/64	0.6719	17.0656	1-3/16	1.1875	30.1625
						1-1/4	1.2500	31.7500
						1-1/2	1.5000	38.1000



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