



Members of the Eisenberg Group





# EISENBERG GROUP

BALL BEARINGS

## Abmessungsliste für Kugellager

Miniaturrillenkugellager  
Zöllige Rillenkugellager  
Axialkugellager  
Dünnringlager  
Standardrillenkugellager  
Rostfreie Kugellager  
Zeichnungslager

## Dimension Table

Miniature Ball Bearings  
Inch Series  
Three Part Thrust Bearings  
Thin Section Bearings  
Metric Series  
Stainless Steel Bearings  
Special Bearings

## Einführung:

Seit über 30 Jahren ist EISENBERG einer der großen Namen im internationalen Wälzlagerhandel.

Eines unterscheidet uns jedoch von den meisten Mitbewerbern:

Neben den üblichen Standardgrößen verfügen wir über eine außergewöhnlich hohe Produktvielfalt an rostfreien-, Dünnring-, zölligen-, Miniatur- und Sonderkugellagern.

Wie Sie dem Katalog entnehmen können, läßt unser Lager kaum einen Wunsch offen. Trotzdem handelt es sich hierbei jedoch nur um einen Ausschnitt unserer Liefermöglichkeiten. Alleine im Bereich der Miniaturkugellager von 1 - 10 mm Bohrung haben wir für Sie ständig ca. 1100 verschiedene Typen vorrätig.

Selbst bei ausgefallenen Wünschen, wie Teflonscheiben, spezielle Lagerfette und - öle, bearbeitete Außenringe usw. kann Ihnen unsere Abteilung Anwendungstechnik aufgrund eigener Fertigung weiterhelfen.

Sollten Sie daher eventuell ein nicht verzeichnetes Lager benötigen oder eine sonstige Frage haben, zögern Sie nicht, uns anzurufen. Egal ob in großen oder kleinen Mengen, unsere Mitarbeiter können Ihnen fast jeden Wunsch erfüllen.

The Eisenberg Team

(Alleinvertreter für **ZEN**<sup>®</sup> -Ball Bearings- in Europa)

## Introduction

P.B.I. International is a branch of the EISENBERG Group based in Germany, which has been trading successfully for over 30 years in the International Ball Bearing market.

Apart from our extensive Miniature Ball Bearing range of more than 1,000 different types, ranging from 1-10mm bore (including inch dimensions), our range also includes Thin Section, Three Part Thrust, Pop Metric and Stainless Steel Ball Bearings.

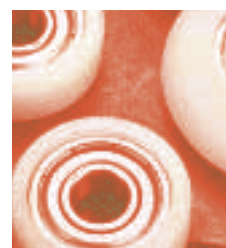
Our technical department has the knowledge to modify Ball Bearings, to produce Teflon seals and to lubricate Bearings to special requirements.

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

(Sole distributors for **ZEN**<sup>®</sup> -Ball Bearings- in Europe)

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# Referenztable / *Reference table*

## Material

W = 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 = Metalledichtscheiben / *Metalshields*

2RS = Gummidichtscheiben / *Rubbershields*

2TS = Teflondichtscheiben / *Teflonseals*

Kein Suffix / *No Suffix* = offen / *open*

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



## Spezifikationen / Specifications

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

\*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 <i>Hardness</i>	Max. Temp. <i>Max. Temp.</i>	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

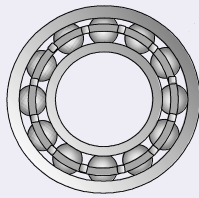
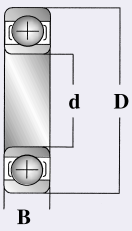
Toleranzklassen / Tolerance Class		
Toleranzklassen <i>Tolerance class</i>	Äquivalenzen / <i>Equivalences</i>	
	ISO	AFBMA
DIN P0	Klasse <i>class</i> 0	ABEC 1
DIN P6	Klasse <i>class</i> 6	ABEC 3
DIN P5	Klasse <i>class</i> 5	ABEC 5

## Dichtungen / Seals

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

## Schmierung / Lubrication

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



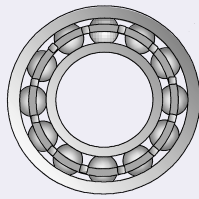
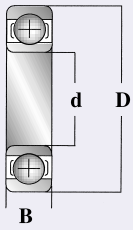
## Miniaturrillenkugellager

### Miniature Metric Series

Ref.	d	D	B
681	1,0	3,0	1,0
W681	1,0	3,0	1,0
F 681	1,0	3,0	1,0
WF 681	1,0	3,0	1,0
691	1,0	4,0	1,6
W691	1,0	4,0	1,6
F 691	1,0	4,0	1,6
WF 691	1,0	4,0	1,6
MR 41X-2Z	1,2	4,0	2,5
681X	1,5	4,0	1,2
W681X	1,5	4,0	1,2
F 681X	1,5	4,0	1,2
WF 681X	1,5	4,0	1,2
681X-2Z	1,5	4,0	2,0
W681X-2Z	1,5	4,0	2,0
F 681X-2Z	1,5	4,0	2,0
WF 681X-2Z	1,5	4,0	2,0
WX 1,5	1,5	5,0	1,7
691X	1,5	5,0	2,0
W691X	1,5	5,0	2,0
F 691X	1,5	5,0	2,0
691X-2Z	1,5	5,0	2,6
W691X-2Z	1,5	5,0	2,6
F 691X-2Z	1,5	5,0	2,6
WF 691X-2Z	1,5	5,0	2,6
601X	1,5	6,0	2,5
F 601X	1,5	6,0	2,5
601X-2Z	1,5	6,0	3,0
F 601X-2Z	1,5	6,0	3,0
W672	2,0	4,0	1,2
682	2,0	5,0	1,5
W682	2,0	5,0	1,5
F 682	2,0	5,0	1,5
WF 682	2,0	5,0	1,5
MR 52	2,0	5,0	2,0
682-2Z	2,0	5,0	2,3
W682-2Z	2,0	5,0	2,3
F 682-2Z	2,0	5,0	2,3
WF 682-2Z	2,0	5,0	2,3
MF 52-2Z	2,0	5,0	2,5

Ref.	d	D	B
MR 52-2Z	2,0	5,0	2,5
WMF 52-2Z	2,0	5,0	2,5
WMR 52-2Z	2,0	5,0	2,5
692	2,0	6,0	2,3
W692	2,0	6,0	2,3
F 692	2,0	6,0	2,3
WF 692	2,0	6,0	2,3
692-2ZW2.3	2,0	6,0	2,3
W692-2ZW2.3	2,0	6,0	2,3
WF 692-2ZW2.3	2,0	6,0	2,3
MF 62	2,0	6,0	2,5
MR 62	2,0	6,0	2,5
MF 62-2Z	2,0	6,0	2,5
MR 62-2Z	2,0	6,0	2,5
WMR 62-2Z	2,0	6,0	2,5
692-2Z	2,0	6,0	3,0
W692-2Z	2,0	6,0	3,0
F 692-2Z	2,0	6,0	3,0
WF 692-2Z	2,0	6,0	3,0
602	2,0	7,0	2,5
MR 72	2,0	7,0	2,8
602-2Z	2,0	7,0	3,5
W602-2Z	2,0	7,0	3,5
F 602-2Z	2,0	7,0	3,5
MF 72-2Z	2,0	7,0	3,0
MR 72-2Z	2,0	7,0	3,0
WMR 72-2Z	2,0	7,0	3,0
682X	2,5	6,0	1,8
W682X	2,5	6,0	1,8
F 682X	2,5	6,0	1,8
WF 682X	2,5	6,0	1,8
682X-2Z	2,5	6,0	2,6
W682X-2Z	2,5	6,0	2,6
F 682X-2Z	2,5	6,0	2,6
WF 682X-2Z	2,5	6,0	2,6
692X	2,5	7,0	2,5
W692X	2,5	7,0	2,5
F 692X	2,5	7,0	2,5
WF 692X	2,5	7,0	2,5
692X-2Z	2,5	7,0	3,5



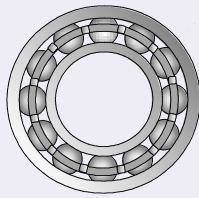
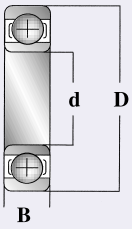


## Miniaturrillenkugellager

### Miniature Metric Series

Ref.	d	D	B
W692X-2Z	2,5	7,0	3,5
F 692X-2Z	2,5	7,0	3,5
WX 2,5-2Z	2,5	7,0	3,0
WF 692X-2Z	2,5	7,0	3,5
MR 82X	2,5	8,0	2,5
602X	2,5	8,0	2,8
W602X	2,5	8,0	2,8
F 602X	2,5	8,0	2,8
WF 602X	2,5	8,0	2,8
602X-2Z	2,5	8,0	4,0
W602X-2Z	2,5	8,0	4,0
F 602X-2Z	2,5	8,0	4,0
MF 63	3,0	6,0	2,0
MR 63	3,0	6,0	2,0
WMF 63	3,0	6,0	2,0
WMR 63	3,0	6,0	2,0
MF 63-2Z	3,0	6,0	2,5
MR 63-2Z	3,0	6,0	2,5
WMR 63-2Z	3,0	6,0	2,5
683	3,0	7,0	2,0
W683	3,0	7,0	2,0
F 683	3,0	7,0	2,0
WF 683	3,0	7,0	2,0
683-2Z	3,0	7,0	3,0
W683-2Z	3,0	7,0	3,0
F683-2Z	3,0	7,0	3,0
WF 683-2Z	3,0	7,0	3,0
MF 83	3,0	8,0	2,5
MR 83	3,0	8,0	2,5
WMR 83	3,0	8,0	2,5
693	3,0	8,0	3,0
W693	3,0	8,0	3,0
F 693	3,0	8,0	3,0
WF693	3,0	8,0	3,0
MF 83-2Z	3,0	8,0	3,0
MR 83-2Z	3,0	8,0	3,0
WMF 83-2Z	3,0	8,0	3,0
WMR 83-2Z	3,0	8,0	3,0
693-2Z	3,0	8,0	4,0
W693-2Z	3,0	8,0	4,0

Ref.	d	D	B
F 693-2Z	3,0	8,0	4,0
WF 693-2Z	3,0	8,0	4,0
MR 93	3,0	9,0	2,5
WMF 93	3,0	9,0	2,5
603	3,0	9,0	3,0
F 603	3,0	9,0	3,0
MF 93-2Z	3,0	9,0	4,0
MR 93-2Z	3,0	9,0	4,0
WMR 93-2Z	3,0	9,0	4,0
603-2Z	3,0	9,0	5,0
F 603-2Z	3,0	9,0	5,0
623	3,0	10,0	4,0
W623	3,0	10,0	4,0
F 623	3,0	10,0	4,0
623-2Z	3,0	10,0	4,0
623-2RS	3,0	10,0	4,0
W623-2Z	3,0	10,0	4,0
F 623-2Z	3,0	10,0	4,0
W623-2RS	3,0	10,0	4,0
WF 623-2Z	3,0	10,0	4,0
633-2Z	3,0	13,0	5,0
MR 93X-2Z	3,5	9,0	4,0
MF 74	4,0	7,0	2,0
MR 74	4,0	7,0	2,0
WMR74	4,0	7,0	2,0
MF 74-2Z	4,0	7,0	2,5
MR 74-2Z	4,0	7,0	2,5
WMF 74-2Z	4,0	7,0	2,5
WMR 74-2Z	4,0	7,0	2,5
MF 84	4,0	8,0	2,0
MR 84	4,0	8,0	2,0
WMF 84	4,0	8,0	2,0
WMR 84	4,0	8,0	2,0
MF 84-2Z	4,0	8,0	3,0
MR 84-2Z	4,0	8,0	3,0
WMF 84-2Z	4,0	8,0	3,0
WMR 84-2Z	4,0	8,0	3,0
684	4,0	9,0	2,5
W684	4,0	9,0	2,5
F 684	4,0	9,0	2,5

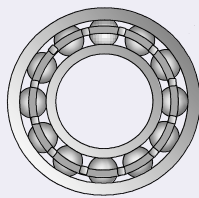
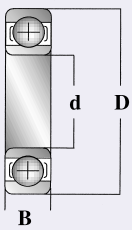


## Miniaturrillenkugellager

### Miniature Metric Series

Ref.	d	D	B
WF 684	4,0	9,0	2,5
684-2ZW3.5	4,0	9,0	3,5
W684-2ZW3.5	4,0	9,0	3,5
684-2Z	4,0	9,0	4,0
W684-2Z	4,0	9,0	4,0
F 684-2Z	4,0	9,0	4,0
WF 684-2Z	4,0	9,0	4,0
MF 104	4,0	10,0	3,0
MR 104	4,0	10,0	3,0
WMR 104	4,0	10,0	3,0
MF 104-2Z	4,0	10,0	4,0
MR 104-2Z	4,0	10,0	4,0
WMF 104-2Z	4,0	10,0	4,0
WMR 104-2Z	4,0	10,0	4,0
694	4,0	11,0	4,0
W694	4,0	11,0	4,0
F 694	4,0	11,0	4,0
694-2Z	4,0	11,0	4,0
694-2RS	4,0	11,0	4,0
F 694-2Z	4,0	11,0	4,0
WF 694-2Z	4,0	11,0	4,0
604	4,0	12,0	4,0
W604	4,0	12,0	4,0
F 604	4,0	12,0	4,0
604-2Z	4,0	12,0	4,0
604-2RS	4,0	12,0	4,0
W604-2Z	4,0	12,0	4,0
F 604-2Z	4,0	12,0	4,0
W604-2RS	4,0	12,0	4,0
624	4,0	13,0	5,0
W624	4,0	13,0	5,0
624-2Z	4,0	13,0	5,0
624-2RS	4,0	13,0	5,0
W624-2Z	4,0	13,0	5,0
F 624-2Z	4,0	13,0	5,0
WF 624-2Z	4,0	13,0	5,0
634	4,0	16,0	5,0
W634	4,0	16,0	5,0
F 634	4,0	16,0	5,0
634-2Z	4,0	16,0	5,0

Ref.	d	D	B
634-2RS	4,0	16,0	5,0
W634-2Z	4,0	16,0	5,0
F 634-2Z	4,0	16,0	5,0
W634-2RS	4,0	16,0	5,0
WF 634-2Z	4,0	16,0	5,0
MF 85	5,0	8,0	2,0
MR 85	5,0	8,0	2,0
WMF 85	5,0	8,0	2,0
WMR 85	5,0	8,0	2,0
MF 85-2Z	5,0	8,0	2,5
MR 85-2Z	5,0	8,0	2,5
WMF 85-2Z	5,0	8,0	2,5
WMR 85-2Z	5,0	8,0	2,5
MF 95	5,0	9,0	2,5
MR 95	5,0	9,0	2,5
WMR 95	5,0	9,0	2,5
MF 95-2Z	5,0	9,0	3,0
MR 95-2Z	5,0	9,0	3,0
WMF 95-2Z	5,0	9,0	3,0
WMR 95-2Z	5,0	9,0	3,0
MR 105	5,0	10,0	3,0
WMR 105	5,0	10,0	3,0
MF 105-2Z	5,0	10,0	4,0
MR 105-2Z	5,0	10,0	4,0
WMF 105-2Z	5,0	10,0	4,0
WMR 105-2Z	5,0	10,0	4,0
685	5,0	11,0	3,0
W685	5,0	11,0	3,0
F 685	5,0	11,0	3,0
WF 685	5,0	11,0	3,0
MF 115-2Z	5,0	11,0	4,0
MR 115-2Z	5,0	11,0	4,0
MR 115-2RS	5,0	11,0	4,0
WMF 115-2Z	5,0	11,0	4,0
WMR 115-2Z	5,0	11,0	4,0
WMR 115-2RS	5,0	11,0	4,0
685-2Z	5,0	11,0	5,0
685-2RS	5,0	11,0	5,0
W685-2Z	5,0	11,0	5,0
F 685-2Z	5,0	11,0	5,0

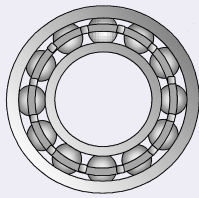
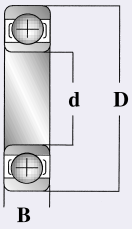


## Miniaturrillenkugellager

### Miniature Metric Series

Ref.	d	D	B
WF 685-2Z	5,0	11,0	5,0
695	5,0	13,0	4,0
W695	5,0	13,0	4,0
F 695	5,0	13,0	4,0
695-2Z	5,0	13,0	4,0
WF 695	5,0	13,0	4,0
695-2RS	5,0	13,0	4,0
W695-2Z	5,0	13,0	4,0
F 695-2Z	5,0	13,0	4,0
WF 695-2Z	5,0	13,0	4,0
695W5	5,0	13,0	5,0
695-2ZW5	5,0	13,0	5,0
695-2RSW5	5,0	13,0	5,0
W695-2ZW5	5,0	13,0	5,0
605	5,0	14,0	5,0
W605	5,0	14,0	5,0
F 605	5,0	14,0	5,0
605-2Z	5,0	14,0	5,0
605-2RS	5,0	14,0	5,0
W605-2Z	5,0	14,0	5,0
F 605-2Z	5,0	14,0	5,0
W605-2RS	5,0	14,0	5,0
WF 605-2Z	5,0	14,0	5,0
625	5,0	16,0	5,0
W625	5,0	16,0	5,0
F 625	5,0	16,0	5,0
625-2Z	5,0	16,0	5,0
625-2RS	5,0	16,0	5,0
W625-2Z	5,0	16,0	5,0
F 625-2Z	5,0	16,0	5,0
W625-2RS	5,0	16,0	5,0
WF 625-2Z	5,0	16,0	5,0
635	5,0	19,0	6,0
W635	5,0	19,0	6,0
635-2Z	5,0	19,0	6,0
635-2RS	5,0	19,0	6,0
W635-2Z	5,0	19,0	6,0
F 635-2Z	5,0	19,0	6,0
W635-2RS	5,0	19,0	6,0
WF635-2Z	5,0	19,0	6,0

Ref.	d	D	B
MF 106	6,0	10,0	2,5
MR 106	6,0	10,0	2,5
WMF 106	6,0	10,0	2,5
WMR 106	6,0	10,0	2,5
MF 106-2Z	6,0	10,0	3,0
MR 106-2Z	6,0	10,0	3,0
WMF 106-2Z	6,0	10,0	3,0
WMR 106-2Z	6,0	10,0	3,0
MR 126	6,0	12,0	3,0
MF 126	6,0	12,0	3,0
MR 126-2Z	6,0	12,0	4,0
MR 126-2RS	6,0	12,0	4,0
MF 126-2Z	6,0	12,0	4,0
WMF 126-2Z	6,0	12,0	4,0
WMR 126-2Z	6,0	12,0	4,0
686	6,0	13,0	3,5
W686	6,0	13,0	3,5
F 686	6,0	13,0	3,5
WF 686	6,0	13,0	3,5
686-2ZW4.5	6,0	13,0	4,5
W686-2ZW4.5	6,0	13,0	4,5
WF686-2ZW4.5	6,0	13,0	4,5
686W5	6,0	13,0	5,0
686-2Z	6,0	13,0	5,0
686-2RS	6,0	13,0	5,0
W686-2Z	6,0	13,0	5,0
F 686-2Z	6,0	13,0	5,0
W686-2RS	6,0	13,0	5,0
WF 686-2Z	6,0	13,0	5,0
WF 686-2RS	6,0	13,0	5,0
696	6,0	15,0	5,0
W696	6,0	15,0	5,0
F 696	6,0	15,0	5,0
696-2Z	6,0	15,0	5,0
696-2RS	6,0	15,0	5,0
W696-2Z	6,0	15,0	5,0
F 696-2Z	6,0	15,0	5,0
WF 696-2Z	6,0	15,0	5,0
696A-2Z	6,0	16,0	5,0
696A-2RS	6,0	16,0	5,0



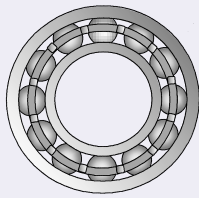
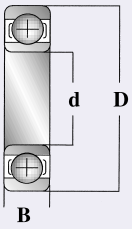
## Miniaturrillenkugellager

### Miniature Metric Series

Ref.	d	D	B
606	6,0	17,0	6,0
W606	6,0	17,0	6,0
606-2Z	6,0	17,0	6,0
606-2RS	6,0	17,0	6,0
W606-2Z	6,0	17,0	6,0
F 606-2Z	6,0	17,0	6,0
W606-2RS	6,0	17,0	6,0
WF 606-2Z	6,0	17,0	6,0
626	6,0	19,0	6,0
W626	6,0	19,0	6,0
626-2Z	6,0	19,0	6,0
626-2RS	6,0	19,0	6,0
W626-2Z	6,0	19,0	6,0
F 626-2Z	6,0	19,0	6,0
W626-2RS	6,0	19,0	6,0
WF 626-2Z	6,0	19,0	6,0
636-2Z	6,0	22,0	7,0
MR 117	7,0	11,0	2,5
WMF 117	7,0	11,0	2,5
WMR 117	7,0	11,0	2,5
MF 117-2Z	7,0	11,0	3,0
MR 117-2Z	7,0	11,0	3,0
WMR 117-2Z	7,0	11,0	3,0
MR 137	7,0	13,0	3,0
WMR 137	7,0	13,0	3,0
MF 137-2Z	7,0	13,0	4,0
MR 137-2Z	7,0	13,0	4,0
WMR 137-2Z	7,0	13,0	4,0
687	7,0	14,0	3,5
W687	7,0	14,0	3,5
F 687	7,0	14,0	3,5
687-2Z	7,0	14,0	5,0
687-2RS	7,0	14,0	5,0
W687-2Z	7,0	14,0	5,0
F 687-2Z	7,0	14,0	5,0
WF 687-2Z	7,0	14,0	5,0
697	7,0	17,0	5,0
W697	7,0	17,0	5,0
F 697	7,0	17,0	5,0
697-2Z	7,0	17,0	5,0

Ref.	d	D	B
WF 697	7,0	17,0	5,0
697-2RS	7,0	17,0	5,0
W697-2Z	7,0	17,0	5,0
F 697-2Z	7,0	17,0	5,0
607	7,0	19,0	6,0
W607	7,0	19,0	6,0
F 607	7,0	19,0	6,0
607-2Z	7,0	19,0	6,0
607-2RS	7,0	19,0	6,0
W607-2Z	7,0	19,0	6,0
F 607-2Z	7,0	19,0	6,0
W607-2RS	7,0	19,0	6,0
F 607-2RS	7,0	19,0	6,0
WF 607-2Z	7,0	19,0	6,0
627	7,0	22,0	7,0
W627	7,0	22,0	7,0
627-2Z	7,0	22,0	7,0
627-2RS	7,0	22,0	7,0
W627-2Z	7,0	22,0	7,0
F 627-2Z	7,0	22,0	7,0
W627-2RS	7,0	22,0	7,0
WF 627-2Z	7,0	22,0	7,0
MF 128	8,0	12,0	2,5
MR 128	8,0	12,0	2,5
WMF 128	8,0	12,0	2,5
WMR 128	8,0	12,0	2,5
MF 128-2Z	8,0	12,0	3,5
MR 128-2Z	8,0	12,0	3,5
WMF 128-2Z	8,0	12,0	3,5
WMR 128-2Z	8,0	12,0	3,5
MF 148	8,0	14,0	3,5
MR 148	8,0	14,0	3,5
WMF 148	8,0	14,0	3,5
WMR 148	8,0	14,0	3,5
MF 148-2Z	8,0	14,0	4,0
MR 148-2Z	8,0	14,0	4,0
MR 148-2RS	8,0	14,0	4,0
WMF 148-2Z	8,0	14,0	4,0
WMR 148-2Z	8,0	14,0	4,0



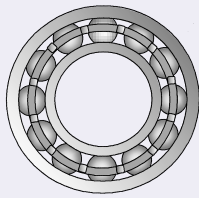
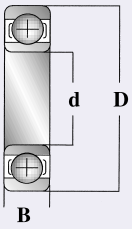


## Miniaturrillenkugellager

### Miniature Metric Series

Ref.	d	D	B
688	8,0	16,0	4,0
W688	8,0	16,0	4,0
F 688	8,0	16,0	4,0
WF 688	8,0	16,0	4,0
688-2ZW4	8,0	16,0	4,0
688-2RSW4	8,0	16,0	4,0
F 688-2ZW4	8,0	16,0	4,0
688-2Z	8,0	16,0	5,0
688-2RS	8,0	16,0	5,0
W688-2Z	8,0	16,0	5,0
F 688-2Z	8,0	16,0	5,0
W688-2RS	8,0	16,0	5,0
F 688-2RS	8,0	16,0	5,0
WF 688-2Z	8,0	16,0	5,0
W688-2Z.TNH	8,0	16,0	5,0
688-2ZW6	8,0	16,0	6,0
W688-2ZW6	8,0	16,0	6,0
F 688-2ZW6	8,0	16,0	6,0
W688-2RSW6	8,0	16,0	6,0
WF 688-2ZW6	8,0	16,0	6,0
698	8,0	19,0	6,0
W698	8,0	19,0	6,0
F 698	8,0	19,0	6,0
698-2Z	8,0	19,0	6,0
WF 698	8,0	19,0	6,0
698-2RS	8,0	19,0	6,0
W698-2Z	8,0	19,0	6,0
F 698-2Z	8,0	19,0	6,0
W698-2RS	8,0	19,0	6,0
WF 698-2Z	8,0	19,0	6,0
WF 698-2ZW6	8,0	19,0	6,0
608	8,0	22,0	7,0
W608	8,0	22,0	7,0
608.T9H	8,0	22,0	7,0
F 608	8,0	22,0	7,0
608-2Z	8,0	22,0	7,0
608-2RS	8,0	22,0	7,0
W608-2Z	8,0	22,0	7,0
F 608-2Z	8,0	22,0	7,0
W608-2RS	8,0	22,0	7,0
608-2Z.T9H	8,0	22,0	7,0

Ref.	d	D	B
F 608-2RS	8,0	22,0	7,0
WF 608-2Z	8,0	22,0	7,0
630/8-2RS	8,0	22,0	11,0
30/8-2RS	8,0	22,0	11,0
608/24-2Z	8,0	24,0	7,0
628	8,0	24,0	8,0
628-2Z	8,0	24,0	8,0
628-2RS	8,0	24,0	8,0
W628-2Z	8,0	24,0	8,0
W628-2RS	8,0	24,0	8,0
WF 628-2Z	8,0	24,0	8,0
608/26-2Z	8,0	26,0	7,0
638-2Z	8,0	28,0	9,0
W679	9,0	14,0	3,0
689	9,0	17,0	4,0
W689	9,0	17,0	4,0
F 689	9,0	17,0	4,0
689-2Z	9,0	17,0	5,0
689-2RS	9,0	17,0	5,0
W689-2Z	9,0	17,0	5,0
F 689-2Z	9,0	17,0	5,0
WF 689-2Z	9,0	17,0	5,0
689-2ZW6	9,0	17,0	6,0
W689-2ZW6	9,0	17,0	6,0
699	9,0	20,0	6,0
W699	9,0	20,0	6,0
F 699	9,0	20,0	6,0
699-2Z	9,0	20,0	6,0
W699-2Z	9,0	20,0	6,0
F 699-2Z	9,0	20,0	6,0
609	9,0	24,0	7,0
W609	9,0	24,0	7,0
609-2Z	9,0	24,0	7,0
609-2RS	9,0	24,0	7,0
W609-2Z	9,0	24,0	7,0
W609-2RS	9,0	24,0	7,0
629	9,0	26,0	8,0
629-2Z	9,0	26,0	8,0
629-2RS	9,0	26,0	8,0
W629-2Z	9,0	26,0	8,0
W629-2RS	9,0	26,0	8,0



## Miniaturrillenkugellager

### Miniature Metric Series

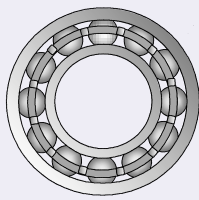
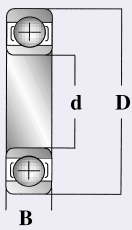
Ref.	d	D	B
63800	10,0	19,0	7,0
63800-2Z	10,0	19,0	7,0
WF 63800	10,0	19,0	7,0
63800-2RS	10,0	19,0	7,0
W63800-2Z	10,0	19,0	7,0
F 63800-2Z	10,0	19,0	7,0
WF 63800-2Z	10,0	19,0	7,0
3000-2RS	10,0	22,0	12,0
63801	12,0	21,0	7,0

Ref.	d	D	B
63801-2Z	12,0	21,0	7,0
63802	15,0	24,0	7,0
63802-2Z	15,0	24,0	7,0
63802-2RS	15,0	24,0	7,0
63803-2Z	17,0	26,0	7,0
63803-2RS	17,0	26,0	7,0
Y 17-2Z	17,0	32,0	8,0
Y 17.C3	17,0	32,0	8,0

### Notizen / Notes:

- Alle Typen auch mit Teflondichtungen lieferbar

- All Bearings are also available with teflon seals



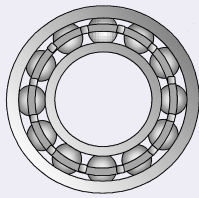
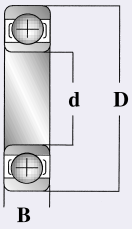
# Zöllige Rillenkugellager

## Miniature Inch Series

Ref.	Dim. in mm			Dim. in inch		
	d	D	B	d	D	B
WFR 09	1,016	3,175	1,191	0,0400	0,1250	0,0469
WFR 0-2Z	1,191	3,967	1,588	0,0469	0,1562	0,0625
WR 1-4	1,984	6,350	2,380	0,0781	0,2500	0,0937
WR 1-4-2Z	1,984	6,350	3,571	0,0781	0,2500	0,1406
WFR 1-4-2Z	1,984	6,350	3,571	0,0781	0,2500	0,1406
WR 133	2,380	4,763	1,588	0,0937	0,1875	0,0625
WFR 133	2,380	4,763	1,588	0,0937	0,1875	0,0625
WFR 133-2Z	2,380	4,763	2,380	0,0937	0,1875	0,0625
WR 133-2Z	2,380	4,763	2,380	0,0937	0,1875	0,0937
WRW 133-2Z*	2,380	4,763	2,380	0,0937	0,1875	0,0937
WFR 1-5	2,380	7,938	2,779	0,0937	0,3125	0,1094
WR 1-5-2Z	2,380	7,938	3,571	0,0937	0,3125	0,1406
WFR 1-5-2Z	2,380	7,938	3,571	0,0937	0,3125	0,1406
WFR 144	3,175	6,350	2,380	0,1250	0,2500	0,0937
R 144-2Z	3,175	6,350	2,779	0,1250	0,2500	0,1094
FR 144-2Z	3,175	6,350	2,779	0,1250	0,2500	0,1094
RW 144-2Z*	3,175	6,350	2,779	0,1250	0,2500	0,1094
WR 144-2Z	3,175	6,350	2,779	0,1250	0,2500	0,1094
WFR 144-2Z	3,175	6,350	2,779	0,1250	0,2500	0,1094
WFRW 144-2Z*	3,175	6,350	2,779	0,1250	0,2500	0,1094
R 2-5	3,175	7,938	2,779	0,1250	0,3125	0,1094
WR 2-5	3,175	7,938	2,779	0,1250	0,3125	0,1094
WFR 2-5	3,175	7,938	2,779	0,1250	0,3125	0,1094
R 2-5-2Z	3,175	7,938	3,571	0,1250	0,3125	0,1406
FR 2-5-2Z	3,175	7,938	3,571	0,1250	0,3125	0,1406
WR 2-5-2Z	3,175	7,938	3,571	0,1250	0,3125	0,1406
WFR 2-5-2Z	3,175	7,938	3,571	0,1250	0,3125	0,1406
WFRW 2-5-2Z*	3,175	7,938	3,571	0,1250	0,3125	0,1406
WR 2-6	3,175	9,525	2,779	0,1250	0,3750	0,1094
WFR 2-6	3,175	9,525	2,779	0,1250	0,3750	0,1094
R 2-6-2Z	3,175	9,525	3,571	0,1250	0,3750	0,1406
WR 2-6-2Z	3,175	9,525	3,571	0,1250	0,3750	0,1406
WFR 2-6-2Z	3,175	9,525	3,571	0,1250	0,3750	0,1406
R 2	3,175	9,525	3,967	0,1250	0,3750	0,1562
R 2-2Z	3,175	9,525	3,967	0,1250	0,3750	0,1562
R 2-2RS	3,175	9,525	3,967	0,1250	0,3750	0,1562
WR 2-2Z	3,175	9,525	3,967	0,1250	0,3750	0,1562
WFR 2-2Z	3,175	9,525	3,967	0,1250	0,3750	0,1562
R 2A	3,175	12,700	4,366	0,1250	0,5000	0,1719

\* Verbreiteter Innenring

\* Extended Inner Ring



## Zöllige Rillenkugellager

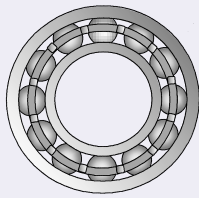
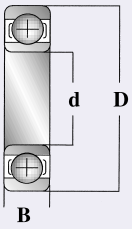
### Miniature Inch Series

Ref.	Dim. in mm			Dim. in inch		
	d	D	B	d	D	B
R 2A-2Z	3,175	12,700	4,366	0,1250	0,5000	0,1719
R 2A-2RS	3,175	12,700	4,366	0,1250	0,5000	0,1719
WR 2A-2Z	3,175	12,700	4,366	0,1250	0,5000	0,1719
WFR 155	3,967	7,938	2,779	0,1562	0,3125	0,1094
WR 155-2Z	3,967	7,938	3,175	0,1562	0,3125	0,1250
WFR 155-2Z	3,967	7,938	3,175	0,1562	0,3125	0,1250
R 156	4,763	7,938	2,779	0,1875	0,3125	0,1094
R 156-2Z	4,763	7,938	3,175	0,1875	0,3125	0,1250
FR 156-2Z	4,763	7,938	3,175	0,1875	0,3125	0,1250
WR 156-2Z	4,763	7,938	3,175	0,1875	0,3125	0,1250
WFR 156-2Z	4,763	7,938	3,175	0,1875	0,3125	0,1250
R 166-2Z	4,763	9,525	3,175	0,1875	0,3750	0,1250
WR 166-2Z	4,763	9,525	3,175	0,1875	0,3750	0,1250
WFR 166-2Z	4,763	9,525	3,175	0,1875	0,3750	0,1250
WRW 166-2Z*	4,763	9,525	3,175	0,1875	0,3750	0,1250
R 3	4,763	12,700	3,967	0,1875	0,5000	0,1562
WR 3	4,763	12,700	3,967	0,1875	0,5000	0,1562
R 3-2Z	4,763	12,700	4,978	0,1875	0,5000	0,1960
FR 3-2Z	4,763	12,700	4,978	0,1875	0,5000	0,1960
R 3-2RS	4,763	12,700	4,978	0,1875	0,5000	0,1960
WR 3-2Z	4,763	12,700	4,978	0,1875	0,5000	0,1960
WFR 3-2Z	4,763	12,700	4,978	0,1875	0,5000	0,1960
R 3A-2Z	4,763	15,875	4,978	0,1875	0,6250	0,1960
WR 3A-2Z	4,763	15,875	4,978	0,1875	0,6250	0,1960
WFR 3A-2Z	4,763	15,875	4,978	0,1875	0,6250	0,1960
WR 168	6,350	9,525	3,175	0,2500	0,3750	0,1250
R 168-2Z	6,350	9,525	3,175	0,2500	0,3750	0,1250
FR 168-2Z	6,350	9,525	3,175	0,2500	0,3750	0,1250
WR 168-2Z	6,350	9,525	3,175	0,2500	0,3750	0,1250
WFR 168-2Z	6,350	9,525	3,175	0,2500	0,3750	0,1250
R 188	6,350	12,700	3,175	0,2500	0,5000	0,1250
WFR 188	6,350	12,700	3,175	0,2500	0,5000	0,1250
R 188-2Z	6,350	12,700	4,763	0,2500	0,5000	0,1875
FR 188-2Z	6,350	12,700	4,763	0,2500	0,5000	0,1875
WR 188-2Z	6,350	12,700	4,763	0,2500	0,5000	0,1875
WFR 188-2Z	6,350	12,700	4,763	0,2500	0,5000	0,1875
R 4	6,350	15,875	4,978	0,2500	0,6250	0,1960
WR 4	6,350	15,875	4,978	0,2500	0,6250	0,1960
R 4-2Z	6,350	15,875	4,978	0,2500	0,6250	0,1960

\* Verbreiteter Innenring

\* Extended Inner Ring

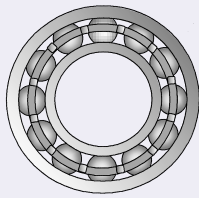
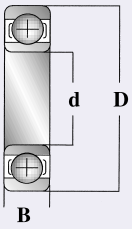




## Zöllige Rillenkugellager

### Miniature Inch Series

Ref.	Dim. in <u>mm</u>			Dim. in <u>inch</u>		
	d	D	B	d	D	B
R 4-2RS	6,350	15,875	4,978	0,2500	0,6250	0,1960
WR 4-2Z	6,350	15,875	4,978	0,2500	0,6250	0,1960
WFR 4-2Z	6,350	15,875	4,978	0,2500	0,6250	0,1960
WR 4-2RS	6,350	15,875	4,978	0,2500	0,6250	0,1960
WFR 4-2RS	6,350	15,875	4,978	0,2500	0,6250	0,1960
WSR 4-2Z	6,350	15,875	8,733	0,2500	0,6250	0,3438
R 4A	6,350	19,050	5,558	0,2500	0,7500	0,2188
R 4A-2Z	6,350	19,050	7,142	0,2500	0,7500	0,2812
R 4A-2RS	6,350	19,050	7,142	0,2500	0,7500	0,2812
WR 4A-2Z	6,350	19,050	7,142	0,2500	0,7500	0,2812
WR 4A-2RS	6,350	19,050	7,142	0,2500	0,7500	0,2812
R 1810-2Z	7,938	12,700	3,967	0,3125	0,5000	0,1562
WR 1810-2Z	7,938	12,700	3,967	0,3125	0,5000	0,1562
WFR 1810-2Z	7,938	12,700	3,967	0,3125	0,5000	0,1562
WR 1038-2Z	9,525	15,875	3,967	0,3750	0,6250	0,1562
R 6	9,525	22,225	5,558	0,3750	0,8750	0,2188
WR 6	9,525	22,225	5,558	0,3750	0,8750	0,2188
WFR 6	9,525	22,225	5,558	0,3750	0,8750	0,2188
R 6-2Z	9,525	22,225	7,142	0,3750	0,8750	0,2812
R 6-2RS	9,525	22,225	7,142	0,3750	0,8750	0,2812
WR 6-2Z	9,525	22,225	7,142	0,3750	0,8750	0,2812
WFR 6-2Z	9,525	22,225	7,142	0,3750	0,8750	0,2812
WR 6-2RS	9,525	22,225	7,142	0,3750	0,8750	0,2812
WSR 6-2Z	9,525	22,225	9,525	0,3750	0,8750	0,3750
WR 1212-2Z	12,700	19,050	3,967	0,5000	0,7500	0,1562
R 8	12,700	28,575	6,350	0,5000	1,1250	0,2500
WR 8	12,700	28,575	6,350	0,5000	1,1250	0,2500
R 8-2Z	12,700	28,575	7,938	0,5000	1,1250	0,3125
FR 8-2Z	12,700	28,575	7,938	0,5000	1,1250	0,3125
R 8-2RS	12,700	28,575	7,938	0,5000	1,1250	0,3125
WR 8-2Z	12,700	28,575	7,938	0,5000	1,1250	0,3125
WFR 8-2Z	12,700	28,575	7,938	0,5000	1,1250	0,3125
WR 8-2RS	12,700	28,575	7,938	0,5000	1,1250	0,3125
RI 1458-2Z	15,875	22,225	3,967	0,6250	0,8750	0,1562
R 10	15,875	34,925	7,142	0,6250	1,3750	0,2812
R 10-2Z	15,875	34,925	8,733	0,6250	1,3750	0,3438
R 10-2RS	15,875	34,925	8,733	0,6250	1,3750	0,3438
RLS 5-2RS	15,875	39,688	11,113	0,6250	1,5625	0,4375
WR 1634-2Z	19,050	25,400	3,967	0,7500	1,0000	0,1562

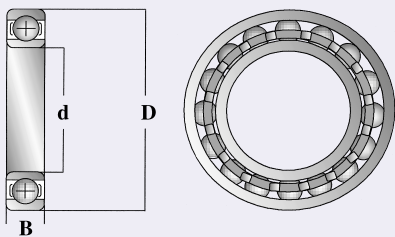


## Zöllige Rillenkugellager

### Miniature Inch Series

Ref.	Dim. in <u>mm</u>			Dim. in <u>inch</u>		
	d	D	B	d	D	B
R 12	19,050	41,275	7,938	0,7500	1,6250	0,3125
R 12-2Z	19,050	41,275	11,113	0,7500	1,6250	0,4375
R 12-2RS	19,050	41,275	11,113	0,7500	1,6250	0,4375
RLS 6	19,050	47,625	14,288	0,7500	1,8750	0,5625
RLS 6-2Z	19,050	47,625	14,288	0,7500	1,8750	0,5625
RLS 6-2RS	19,050	47,625	14,288	0,7500	1,8750	0,5625
R 14	22,225	47,625	9,525	0,8750	1,8750	0,3750
R 14-2Z	22,225	47,625	12,700	0,8750	1,8750	0,5000
R 14-2RS	22,225	47,625	12,700	0,8750	1,8750	0,5000
RLS 7	22,225	50,800	14,288	0,8750	2,0000	0,5625
R 16	25,400	50,800	9,525	1,0000	2,0000	0,3750
R 16-2Z	25,400	50,800	12,700	1,0000	2,0000	0,5000
R 16-2RS	25,400	50,800	12,700	1,0000	2,0000	0,5000
R 20	31,750	57,150	9,525	1,2500	2,2500	0,3750
RLS 10	31,750	69,850	17,463	1,2500	2,7500	0,6875

## Notizen / Notes:

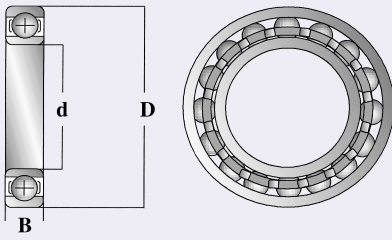


## Dünnringlager

### Thin Section Series

Ref.	d	D	B
61700	10,0	15,0	3,0
W61700	10,0	15,0	3,0
61700-2Z	10,0	15,0	4,0
61700-2RS	10,0	15,0	4,0
W61700-2Z	10,0	15,0	4,0
W61700-2RS	10,0	15,0	4,0
61800	10,0	19,0	5,0
W61800	10,0	19,0	5,0
61800-2Z	10,0	19,0	5,0
61800-2RS	10,0	19,0	5,0
W61800-2Z	10,0	19,0	5,0
W61800-2RS	10,0	19,0	5,0
61900	10,0	22,0	6,0
W61900	10,0	22,0	6,0
61900-2Z	10,0	22,0	6,0
61900-2RS	10,0	22,0	6,0
W61900-2Z	10,0	22,0	6,0
W61900-2RS	10,0	22,0	6,0
619/11-2Z	11,0	22,0	6,0
61701	12,0	18,0	4,0
W61701	12,0	18,0	4,0
61701-2Z	12,0	18,0	4,0
61701-2RS	12,0	18,0	4,0
W61701-2Z	12,0	18,0	4,0
W61701-2RS	12,0	18,0	4,0
61801	12,0	21,0	5,0
W61801	12,0	21,0	5,0
61801-2Z	12,0	21,0	5,0
61801-2RS	12,0	21,0	5,0
W61801-2Z	12,0	21,0	5,0
W61801-2RS	12,0	21,0	5,0
61901	12,0	24,0	6,0
W61901	12,0	24,0	6,0
61901-2Z	12,0	24,0	6,0
61901-2RS	12,0	24,0	6,0
61901.T9H	12,0	24,0	6,0
W61901-2Z	12,0	24,0	6,0
W61901-2RS	12,0	24,0	6,0
619/13	13,0	24,0	6,0
619/13.TNH	13,0	24,0	6,0

Ref.	d	D	B
619/13-2Z.TNH	13,0	24,0	6,0
61702	15,0	21,0	4,0
W61702	15,0	21,0	4,0
61702-2Z	15,0	21,0	4,0
61702-2RS	15,0	21,0	4,0
W61702-2Z	15,0	21,0	4,0
W61702-2RS	15,0	21,0	4,0
61802	15,0	24,0	5,0
W61802	15,0	24,0	5,0
61802-2Z	15,0	24,0	5,0
61802-2RS	15,0	24,0	5,0
W61802-2Z	15,0	24,0	5,0
W61802-2RS	15,0	24,0	5,0
61902	15,0	28,0	7,0
W61902	15,0	28,0	7,0
61902-2Z	15,0	28,0	7,0
61902-2RS	15,0	28,0	7,0
61902.T9H	15,0	28,0	7,0
W61902-2Z	15,0	28,0	7,0
W61902-2RS	15,0	28,0	7,0
61703	17,0	23,0	4,0
W61703	17,0	23,0	4,0
61703-2Z	17,0	23,0	4,0
61703-2RS	17,0	23,0	4,0
W61703-2Z	17,0	23,0	4,0
W61703-2RS	17,0	23,0	4,0
61803	17,0	26,0	5,0
W61803	17,0	26,0	5,0
61803-2Z	17,0	26,0	5,0
61803-2RS	17,0	26,0	5,0
W61803-2Z	17,0	26,0	5,0
W61803-2RS	17,0	26,0	5,0
61903	17,0	30,0	7,0
W61903	17,0	30,0	7,0
61903-2Z	17,0	30,0	7,0
61903-2RS	17,0	30,0	7,0
W61903-2Z	17,0	30,0	7,0
W61903-2RS	17,0	30,0	7,0
61704	20,0	27,0	4,0
W61704	20,0	27,0	4,0



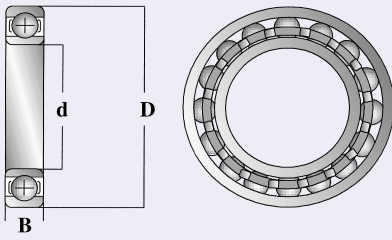
## Dünnringlager

### Thin Section Series

Ref.	d	D	B
61704-2Z	20,0	27,0	4,0
61704-2RS	20,0	27,0	4,0
W61704-2Z	20,0	27,0	4,0
W61704-2RS	20,0	27,0	4,0
61804	20,0	32,0	7,0
W61804	20,0	32,0	7,0
61804-2Z	20,0	32,0	7,0
61804-2RS	20,0	32,0	7,0
W61804-2Z	20,0	32,0	7,0
W61804-2RS	20,0	32,0	7,0
61904	20,0	37,0	9,0
W61904	20,0	37,0	9,0
61904-2Z	20,0	37,0	9,0
61904-2RS	20,0	37,0	9,0
W61904-2Z	20,0	37,0	9,0
W61904-2RS	20,0	37,0	9,0
61705	25,0	32,0	4,0
W61705	25,0	32,0	4,0
61705-2Z	25,0	32,0	4,0
61705-2RS	25,0	32,0	4,0
W61705-2Z	25,0	32,0	4,0
W61705-2RS	25,0	32,0	4,0
61805	25,0	37,0	7,0
W61805	25,0	37,0	7,0
61805-2Z	25,0	37,0	7,0
61805-2RS	25,0	37,0	7,0
W61805-2Z	25,0	37,0	7,0
W61805-2RS	25,0	37,0	7,0
61905	25,0	42,0	9,0
W61905	25,0	42,0	9,0
61905-2Z	25,0	42,0	9,0
61905-2RS	25,0	42,0	9,0
W61905-2Z	25,0	42,0	9,0
W61905-2RS	25,0	42,0	9,0
61706	30,0	37,0	4,0
W61706	30,0	37,0	4,0
61706-2Z	30,0	37,0	4,0
61706-2RS	30,0	37,0	4,0
W61706-2Z	30,0	37,0	4,0
W61706-2RS	30,0	37,0	4,0

Ref.	d	D	B
61806	30,0	42,0	7,0
W61806	30,0	42,0	7,0
61806-2Z	30,0	42,0	7,0
61806-2RS	30,0	42,0	7,0
W61806-2Z	30,0	42,0	7,0
W61806-2RS	30,0	42,0	7,0
61906	30,0	47,0	9,0
W61906	30,0	47,0	9,0
61906-2Z	30,0	47,0	9,0
61906-2RS	30,0	47,0	9,0
W61906-2Z	30,0	47,0	9,0
W61906-2RS	30,0	47,0	9,0
61707	35,0	44,0	5,0
61707-2Z	35,0	44,0	5,0
61707-2RS	35,0	44,0	5,0
61807	35,0	47,0	7,0
61807-2Z	35,0	47,0	7,0
61807-2RS	35,0	47,0	7,0
61907	35,0	55,0	10,0
61907-2Z	35,0	55,0	10,0
61907-2RS	35,0	55,0	10,0
61708	40,0	50,0	6,0
61708-2Z	40,0	50,0	6,0
61708-2RS	40,0	50,0	6,0
61808	40,0	52,0	7,0
61808-2Z	40,0	52,0	7,0
61808-2RS	40,0	52,0	7,0
61908	40,0	62,0	12,0
61908-2Z	40,0	62,0	12,0
61908-2RS	40,0	62,0	12,0
61709	45,0	55,0	6,0
61709-2Z	45,0	55,0	6,0
61709-2RS	45,0	55,0	6,0
61809	45,0	58,0	7,0
61809-2Z	45,0	58,0	7,0
61809-2RS	45,0	58,0	7,0
61909	45,0	68,0	12,0
61909-2Z	45,0	68,0	12,0
61909-2RS	45,0	68,0	12,0
61810	50,0	65,0	7,0





## Dünnringlager

### Thin Section Series

Ref.	d	D	B
61810-2Z	50,0	65,0	7,0
61810-2RS	50,0	65,0	7,0
61910	50,0	72,0	12,0
61910-2Z	50,0	72,0	12,0
61910-2RS	50,0	72,0	12,0
61811	55,0	72,0	9,0
61811-2Z	55,0	72,0	9,0
61811-2RS	55,0	72,0	9,0
61911	55,0	80,0	13,0
61911-2Z	55,0	80,0	13,0
61911-2RS	55,0	80,0	13,0
61812	60,0	78,0	10,0
61812-2Z	60,0	78,0	10,0
61812-2RS	60,0	78,0	10,0
61912	60,0	85,0	13,0
61912-2Z	60,0	85,0	13,0
61912-2RS	60,0	85,0	13,0
61813	65,0	85,0	10,0
61813-2Z	65,0	85,0	10,0
61813-2RS	65,0	85,0	10,0
61913	65,0	90,0	13,0
61913-2Z	65,0	90,0	13,0
61913-2RS	65,0	90,0	13,0
61814	70,0	90,0	10,0
61814-2Z	70,0	90,0	10,0
61814-2RS	70,0	90,0	10,0
61914	70,0	100,0	16,0
61914-2Z	70,0	100,0	16,0
61914-2RS	70,0	100,0	16,0
61815	75,0	95,0	10,0
61815-2Z	75,0	95,0	10,0
61815-2RS	75,0	95,0	10,0
61915	75,0	105,0	16,0
61915-2Z	75,0	105,0	16,0

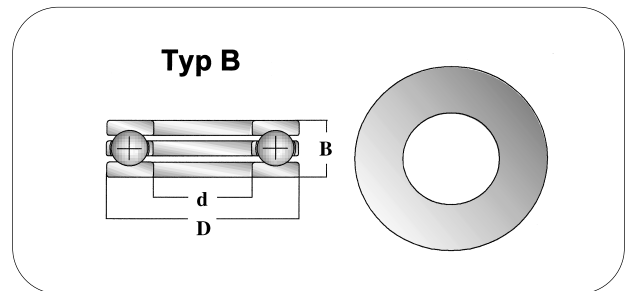
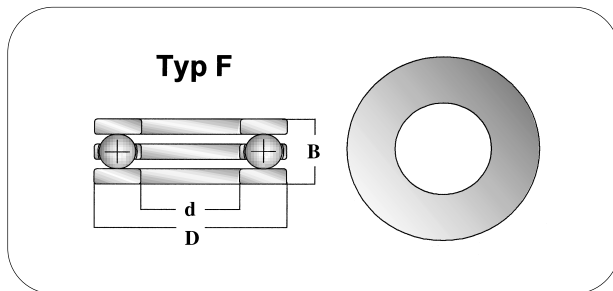
Ref.	d	D	B
61915-2RS	75,0	105,0	16,0
61816	80,0	100,0	10,0
61816-2Z	80,0	100,0	10,0
61816-2RS	80,0	100,0	10,0
61916	80,0	110,0	16,0
61916-2Z	80,0	110,0	16,0
61916-2RS	80,0	110,0	16,0
61817	85,0	110,0	13,0
61817-2Z	85,0	110,0	13,0
61817-2RS	85,0	110,0	13,0
61917	85,0	120,0	18,0
61917-2Z	85,0	120,0	18,0
61917-2RS	85,0	120,0	18,0
61818	90,0	115,0	13,0
61818-2Z	90,0	115,0	13,0
61818-2RS	90,0	115,0	13,0
61918	90,0	125,0	18,0
61918-2Z	90,0	125,0	18,0
61918-2RS	90,0	125,0	18,0
61820	100,0	125,0	13,0
61820-2Z	100,0	125,0	13,0
61820-2RS	100,0	125,0	13,0
61821	105,0	130,0	13,0
61821-2Z	105,0	130,0	13,0
61821-2RS	105,0	130,0	13,0
61822	110,0	140,0	16,0
61822-2Z	110,0	140,0	16,0
61822-2RS	110,0	140,0	16,0
61824	120,0	150,0	16,0
61824-2Z	120,0	150,0	16,0
61824-2RS	120,0	150,0	16,0
61826	130,0	165,0	18,0
61826-2Z	130,0	165,0	18,0
61826-2RS	130,0	165,0	18,0

## Miniatu axialkugellager

- Typ F ohne Laufnute
- Typ B mit Laufnute

## Miniture Three Part Thrust Bearings

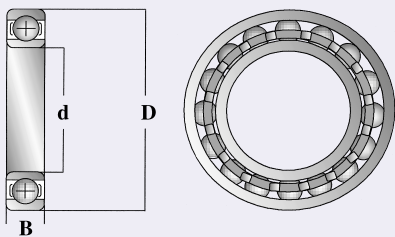
- Type F without groove
- Type B with groove



Ref F	d	D	B
F 2-6	2,0	6,0	3,0
F 3-8	3,0	8,0	3,5
F 4-9	4,0	9,0	4,0
F 4-10	4,0	10,0	4,5
F 5-11	5,0	11,0	4,5
F 6-12	6,0	12,0	4,5
F 7-15	7,0	15,0	5,0
F 8-16	8,0	16,0	5,0
F 9-17	9,0	17,0	5,0
F10-18	10,0	18,0	5,5

Ref B	d	D	B
B 3	3,0	8,0	3,5
B 4	4,0	10,0	4,0
B 5	5,0	12,0	4,0
B 6	6,0	14,0	5,0
B 7	7,0	17,0	6,0
B 8	8,0	19,0	7,0
B 9	9,0	20,0	7,0

Notizen / Notes:

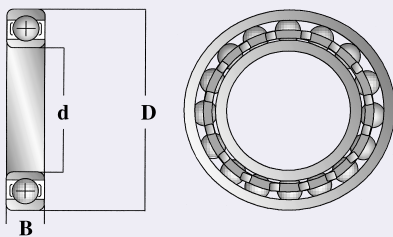


## Standardrillenkugellager

### Popular Metric Series

Ref.	d	D	B
6000	10,0	26,0	8,0
6000-2Z	10,0	26,0	8,0
6000-2RS	10,0	26,0	8,0
6200	10,0	30,0	9,0
6200-2Z	10,0	30,0	9,0
6200-2RS	10,0	30,0	9,0
6300	10,0	35,0	11,0
6300-2Z	10,0	35,0	11,0
6300-2RS	10,0	35,0	11,0
62300-2Z	10,0	35,0	17,0
62300-2RS	10,0	35,0	17,0
6001	12,0	28,0	8,0
6001-2Z	12,0	28,0	8,0
6001-2RS	12,0	28,0	8,0
6201	12,0	32,0	10,0
6201-2Z	12,0	32,0	10,0
6201-2RS	12,0	32,0	10,0
6301	12,0	37,0	12,0
6301-2Z	12,0	37,0	12,0
6301-2RS	12,0	37,0	12,0
62301-2Z	12,0	37,0	17,0
62301-RS	12,0	37,0	17,0
16002	15,0	32,0	8,0
16002-2Z	15,0	32,0	8,0
6002	15,0	32,0	9,0
6002-2Z	15,0	32,0	9,0
6002-2RS	15,0	32,0	9,0
6202	15,0	35,0	11,0
6202-2Z	15,0	35,0	11,0
6202-2RS	15,0	35,0	11,0
6302	15,0	42,0	13,0
6302-2Z	15,0	42,0	13,0
6302-2RS	15,0	42,0	13,0
62302-2Z	15,0	42,0	17,0
62302-2RS	15,0	42,0	17,0
16003	17,0	35,0	8,0
16003-2Z	17,0	35,0	8,0
6003	17,0	35,0	10,0
6003-2Z	17,0	35,0	10,0
6003-2RS	17,0	35,0	10,0
6203	17,0	40,0	12,0

Ref.	d	D	B
6203-2Z	17,0	40,0	12,0
6203-2RS	17,0	40,0	12,0
6303	17,0	47,0	14,0
6303-2Z	17,0	47,0	14,0
6303-2RS	17,0	47,0	14,0
62303-2Z	17,0	47,0	19,0
62303-2RS	17,0	47,0	19,0
16004	20,0	42,0	8,0
16004-2Z	20,0	42,0	8,0
6004	20,0	42,0	12,0
6004-2Z	20,0	42,0	12,0
6004-2RS	20,0	42,0	12,0
6204	20,0	47,0	14,0
6204-2Z	20,0	47,0	14,0
6204-2RS	20,0	47,0	14,0
6304	20,0	52,0	15,0
6304-2Z	20,0	52,0	15,0
6304-2RS	20,0	52,0	15,0
62304-2Z	20,0	52,0	21,0
62304-2RS	20,0	52,0	21,0
16005	25,0	47,0	8,0
16005-2Z	25,0	47,0	8,0
6005	25,0	47,0	12,0
6005-2Z	25,0	47,0	12,0
6005-2RS	25,0	47,0	12,0
6205	25,0	52,0	15,0
6205-2Z	25,0	52,0	15,0
6205-2RS	25,0	52,0	15,0
6305	25,0	62,0	17,0
6305-2Z	25,0	62,0	17,0
6305-2RS	25,0	62,0	17,0
62305-2Z	25,0	62,0	24,0
62305-2RS	25,0	62,0	24,0
16006	30,0	55,0	9,0
16006-2Z	30,0	55,0	9,0
6006	30,0	55,0	13,0
6006-2Z	30,0	55,0	13,0
6006-2RS	30,0	55,0	13,0
6206	30,0	62,0	16,0
6206-2Z	30,0	62,0	16,0
6206-2RS	30,0	62,0	16,0



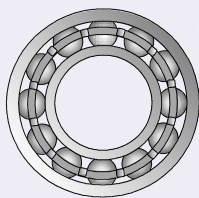
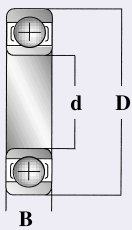
## Standardrillenkugellager

### Popular Metric Series

Ref.	d	D	B
6306	30,0	72,0	19,0
6306-2Z	30,0	72,0	19,0
6306-2RS	30,0	72,0	19,0
62306-2Z	30,0	72,0	27,0
62306-2RS	30,0	72,0	27,0
6007	35,0	62,0	14,0
6007-2Z	35,0	62,0	14,0
6007-2RS	35,0	62,0	14,0
6207	35,0	72,0	17,0
6207-2Z	35,0	72,0	17,0
6207-2RS	35,0	72,0	17,0
6307	35,0	80,0	21,0
6307-2Z	35,0	80,0	21,0
6307-2RS	35,0	80,0	21,0
62307-2Z	35,0	80,0	31,0
62307-2RS	35,0	80,0	31,0
6008	40,0	68,0	15,0
6008-2Z	40,0	68,0	15,0
6008-2RS	40,0	68,0	15,0
6208	40,0	80,0	18,0
6208-2Z	40,0	80,0	18,0
6208-2RS	40,0	80,0	18,0
6308	40,0	90,0	23,0
6308-2Z	40,0	90,0	23,0
6308-2RS	40,0	90,0	23,0

Ref.	d	D	B
62308-2Z	40,0	90,0	33,0
62308-2RS	40,0	90,0	33,0
6009	45,0	75,0	16,0
6009-2Z	45,0	75,0	16,0
6009-2RS	45,0	75,0	16,0
6209	45,0	85,0	19,0
6209-2Z	45,0	85,0	19,0
6209-2RS	45,0	85,0	19,0
6309	45,0	100,0	25,0
6309-2Z	45,0	100,0	25,0
6309-2RS	45,0	100,0	25,0
62309-2Z	45,0	100,0	36,0
62309-2RS	45,0	100,0	36,0
6010	50,0	80,0	16,0
6010-2Z	50,0	80,0	16,0
6010-2RS	50,0	80,0	16,0
6210	50,0	90,0	20,0
6210-2Z	50,0	90,0	20,0
6210-2RS	50,0	90,0	20,0
6310	50,0	110,0	27,0
6310-2Z	50,0	110,0	27,0
6310-2RS	50,0	110,0	27,0
62310-2Z	50,0	110,0	40,0
62310-2RS	50,0	110,0	40,0

## Notizen / Notes:

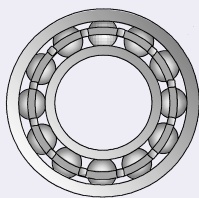
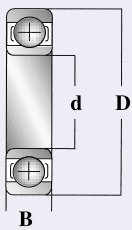


## Rostfreie Standarddrillenugellager

### Stainless Steel Popular Metric Series

Ref.	d	D	B
W6000	10,0	26,0	8,0
W6000-2Z	10,0	26,0	8,0
W6000-2RS	10,0	26,0	8,0
W6200	10,0	30,0	9,0
W6200-2Z	10,0	30,0	9,0
W6200-2RS	10,0	30,0	9,0
W6300	10,0	35,0	11,0
W6300-2Z	10,0	35,0	11,0
W6300-2RS	10,0	35,0	11,0
W6001	12,0	28,0	8,0
W6001-2Z	12,0	28,0	8,0
W6001-2RS	12,0	28,0	8,0
W6201	12,0	32,0	10,0
W6201-2Z	12,0	32,0	10,0
W6201-2RS	12,0	32,0	10,0
W6301	12,0	37,0	12,0
W6301-2Z	12,0	37,0	12,0
W6301-2RS	12,0	37,0	12,0
W6002	15,0	32,0	9,0
W6002-2Z	15,0	32,0	9,0
W6002-2RS	15,0	32,0	9,0
W6202	15,0	35,0	11,0
W6202-2Z	15,0	35,0	11,0
W6202-2RS	15,0	35,0	11,0
W6302	15,0	42,0	13,0
W6302-2Z	15,0	42,0	13,0
W6302-2RS	15,0	42,0	13,0
W6003	17,0	35,0	10,0
W6003-2Z	17,0	35,0	10,0
W6003-2RS	17,0	35,0	10,0
W6203	17,0	40,0	12,0
W6203-2Z	17,0	40,0	12,0
W6203-2RS	17,0	40,0	12,0
W6303	17,0	47,0	14,0
W6303-2Z	17,0	47,0	14,0
W6303-2RS	17,0	47,0	14,0
W6004	20,0	42,0	12,0
W6004-2Z	20,0	42,0	12,0
W6004-2RS	20,0	42,0	12,0
W6204	20,0	47,0	14,0
W6204-2Z	20,0	47,0	14,0
W6204-2RS	20,0	47,0	14,0
W6304	20,0	52,0	15,0
W6304-2Z	20,0	52,0	15,0

Ref.	d	D	B
W6304-2RS	20,0	52,0	15,0
W6005	25,0	47,0	12,0
W6005-2Z	25,0	47,0	12,0
W6005-2RS	25,0	47,0	12,0
W6205	25,0	52,0	15,0
W6205-2Z	25,0	52,0	15,0
W6205-2RS	25,0	52,0	15,0
W6305	25,0	62,0	17,0
W6305-2Z	25,0	62,0	17,0
W6305-2RS	25,0	62,0	17,0
W6006	30,0	55,0	13,0
W6006-2Z	30,0	55,0	13,0
W6006-2RS	30,0	55,0	13,0
W6206	30,0	62,0	16,0
W6206-2Z	30,0	62,0	16,0
W6206-2RS	30,0	62,0	16,0
W6306	30,0	72,0	19,0
W6306-2Z	30,0	72,0	19,0
W6306-2RS	30,0	72,0	19,0
W6007	35,0	62,0	14,0
W6007-2RS	35,0	62,0	14,0
W6207	35,0	72,0	17,0
W6207-2RS	35,0	72,0	17,0
W6008	40,0	68,0	15,0
W6008-2RS	40,0	68,0	15,0
W6208	40,0	80,0	18,0
W6208-2RS	40,0	80,0	18,0
W6308	40,0	90,0	23,0
W6308-2RS	40,0	90,0	23,0
W6009	45,0	75,0	16,0
W6009-2RS	45,0	75,0	16,0
W6010	50,0	80,0	16,0
W6010-2RS	50,0	80,0	16,0
W6210	50,0	90,0	20,0
W6210-2RS	50,0	90,0	20,0
W6011	55,0	90,0	18,0
W6011-2RS	55,0	90,0	18,0
W6211	55,0	100,0	21,0
W6211-2RS	55,0	100,0	21,0
W6012	60,0	95,0	18,0
W6012-2RS	60,0	95,0	18,0
W6212	60,0	110,0	22,0
W6212-2RS	60,0	110,0	22,0

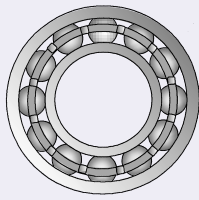
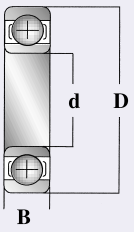


## Radialrillenkugellager aus Kunststoff

### Plastic Ball Bearings

Type	d	D	B	Load Rating (kn)		max. rpm.
				static	dynamic	
623	3,0	10,0	4,0	3,0	4,6	4500
624	4,0	13,0	5,0	4,0	6,0	3600
625	5,0	16,0	5,0	4,5	6,5	3050
626	6,0	19,0	6,0	5,0	7,0	2600
607	7,0	19,0	6,0	4,0	6,0	2600
627	7,0	22,0	7,0	5,5	8,0	2200
608	8,0	22,0	7,0	5,5	8,0	2200
628	8,0	24,0	8,0	6,0	9,0	2050
609	9,0	24,0	7,0	6,0	9,0	2050
629	9,0	26,0	8,0	7,0	10,0	1900
6000	10,0	26,0	8,0	9,0	13,0	1900
6200	10,0	30,0	9,0	13,0	17,0	1650
6300	10,0	35,0	11,0	19,0	28,0	1400
6001	12,0	28,0	8,0	11,0	16,0	1750
6201	12,0	32,0	10,0	15,0	22,0	1550
6301	12,0	37,0	12,0	21,0	31,0	1300
6002	15,0	32,0	9,0	13,0	19,0	1550
6202	15,0	35,0	11,0	17,0	25,0	1400
6302	15,0	42,0	13,0	26,0	37,0	1200
6003	17,0	35,0	10,0	17,0	24,0	1400
6203	17,0	40,0	12,0	22,0	32,0	1250
6303	17,0	47,0	14,0	30,0	45,0	1050
6004	20,0	42,0	12,0	20,0	30,0	1200
6204	20,0	47,0	14,0	27,0	42,0	1050
6304	20,0	52,0	12,0	35,0	53,0	950
6005	25,0	47,0	12,0	24,0	36,0	1050
6205	25,0	52,0	15,0	32,0	48,0	950
6305	25,0	62,0	17,0	40,0	60,0	725
6006	30,0	55,0	13,0	28,0	42,0	900
6206	30,0	62,0	16,0	36,0	55,0	800
6306	30,0	72,0	19,0	46,0	70,0	675
6007	35,0	62,0	14,0	32,0	48,0	800
6207	35,0	72,0	17,0	41,0	62,0	700
6307	35,0	80,0	21,0	49,0	75,0	600
6008	40,0	68,0	15,0	35,0	52,0	750
6208	40,0	80,0	18,0	44,0	66,0	625
6009	45,0	75,0	16,0	38,0	56,0	650
6209	45,0	85,0	19,0	47,0	72,0	580
6010	50,0	80,0	16,0	39,0	58,0	600



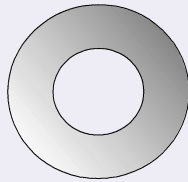
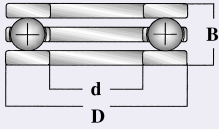


## Radialrillenkugellager aus Kunststoff

### Plastic Ball Bearings

Type	d	D	B	Load static	Rating (kn) dynamic	max. rpm.
16002	15,0	32,0	8,0	13.0	19.0	1500
16003	17,0	35,0	8,0	16.0	24.0	1400
16004	20,0	42,0	8,0	19.0	29.0	1150
16005	25,0	47,0	8,0	21.0	31.0	1050
16006	30,0	55,0	9,0	24.0	37.0	900
16007	35,0	62,0	9,0	29.0	43.0	800
16008	40,0	68,0	9,0	30.0	45.0	750
16009	45,0	75,0	10,0	33.0	50.0	650

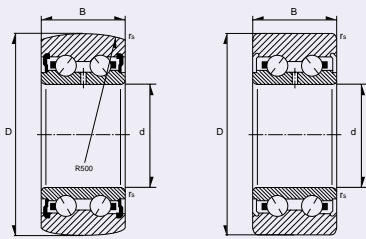
Notizen / Notes:



## Axialrillenkugellager

### Three Part Thrust Bearings

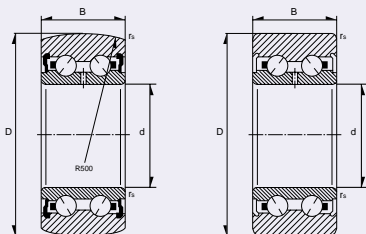
Type	d	D	B
51100	10,0	24,0	9,0
51101	12,0	26,0	9,0
51102	15,0	28,0	9,0
51103	17,0	30,0	9,0
51104	20,0	35,0	10,0
51105	25,0	41,0	11,0
51106	30,0	47,0	11,0
51107	35,0	52,0	12,0
51108	40,0	60,0	13,0
51109	45,0	65,0	14,0
51110	50,0	70,0	14,0
51111	55,0	78,0	16,0
51112	60,0	85,0	17,0
51200	10,0	26,0	11,0
51201	12,0	28,0	11,0
51202	15,0	32,0	12,0
51203	17,0	35,0	12,0
51204	20,0	40,0	14,0
51205	25,0	47,0	15,0
51206	30,0	52,0	16,0
51207	35,0	62,0	18,0
51208	40,0	68,0	19,0
51209	45,0	73,0	20,0
51210	50,0	78,0	22,0
51211	55,0	90,0	25,0
51212	60,0	85,0	17,0
51305	25,0	52,0	18,0
51306	30,0	60,0	21,0
51307	35,0	68,0	24,0
51308	40,0	78,0	26,0
51309	45,0	85,0	28,0
51310	50,0	95,0	31,0
51311	55,0	105,0	35,0
51312	60,0	110,0	35,0



## Laufrolle der LR Serie

### LR Series (track roller)

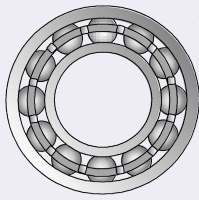
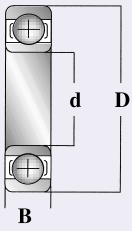
Ref.	d	D	B	Radius	Weight=g
LR50/5 NPPU	5,0	17,0	7,0	0,2	10
LR50/6 NPPU	6,0	19,0	9,0	0,3	20
LR50/7 NPPU	7,0	22,0	10,0	0,3	20
LR50/8 NPPU	8,0	24,0	11,0	0,3	30
LR5000 NPPU	10,0	28,0	12,0	0,3	30
LR5200 KDDU	10,0	32,0	14,0	0,6	70
LR5200 KDD	10,0	32,0	14,0	0,6	70
LR5200 NPPU	10,0	32,0	14,0	0,6	70
LR5001 NPPU	12,0	30,0	12,0	0,3	30
LR5201 KDDU	12,0	35,0	15,9	0,6	80
LR5201 KDD	12,0	35,0	15,9	0,6	80
LR5201 NPPU	12,0	35,0	15,9	0,6	80
LR5301 NPPU	12,0	42,0	19,0	1,0	120
LR5002 NPPU	15,0	35,0	13,0	0,3	50
LR5202 KDDU	15,0	40,0	15,9	0,6	110
LR5202 KDD	15,0	40,0	15,9	0,6	110
LR5202 NPPU	15,0	40,0	15,9	0,6	110
LR5302 NPPU	15,0	47,0	19,0	1,0	150
LR5003 NPPU	17,0	40,0	14,0	0,3	70
LR5203 KDDU	17,0	47,0	17,5	0,6	170
LR5203 KDD	17,0	47,0	17,5	0,6	170
LR5203 NPPU	17,0	47,0	17,5	0,6	170
LR5303 NPPU	17,0	52,0	22,2	1,0	210
LR5004 NPPU	20,0	47,0	16,0	0,6	120
LR5204 KDDU	20,0	52,0	20,6	1,0	230
LR5204 KDD	20,0	52,0	20,6	1,0	230
LR5204 NPPU	20,0	52,0	20,6	1,0	230
LR5304 KDDU	20,0	62,0	22,2	1,1	340
LR5304 KDD	20,0	62,0	22,2	1,1	340
LR5304 NPPU	20,0	62,0	22,2	1,1	340



## Laufrolle der LR Serie

### LR Series (track roller)

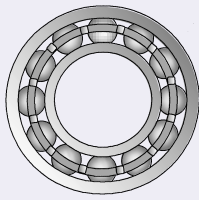
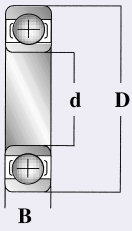
Bearing Type	Principal Dim. in mm			Radius	Mass =g
	d	D	B		
LR5005 NPPU	25,0	52,0	16,0	0,6	150
LR5205 KDDU	25,0	62,0	20,6	1,0	340
LR5205 KDD	25,0	62,0	20,6	1,0	340
LR5205 NPPU	25,0	62,0	20,6	1,0	340
LR5305 KDDU	25,0	72,0	25,4	1,1	500
LR5305 KDD	25,0	72,0	25,4	1,1	500
LR5305 NPPU	25,0	72,0	25,4	1,1	500
LR5006 NPPU	30,0	62,0	19,0	1,0	250
LR5206 KDDU	30,0	72,0	23,8	1,0	510
LR5206 KDD	30,0	72,0	23,8	1,0	510
LR5206 NPPU	30,0	72,0	23,8	1,0	510
LR5306 KDDU	30,0	80,0	30,2	1,1	670
LR5306 KDD	30,0	80,0	30,2	1,1	670
LR5306 NPPU	30,0	80,0	30,2	1,1	670
LR5007 NPPU	35,0	68,0	20,0	1,0	300
LR5207 KDDU	35,0	80,0	27,0	1,1	660
LR5207 KDD	35,0	80,0	27,0	1,1	660
LR5207 NPPU	35,0	80,0	27,0	1,1	660
LR5307 KDDU	35,0	90,0	34,9	1,5	970
LR5307 KDD	35,0	90,0	34,9	1,5	970
LR5307 NPPU	35,0	90,0	34,9	1,5	970
LR5008 NPPU	40,0	75,0	21,0	1,0	370
LR5208 KDDU	40,0	85,0	30,2	1,1	750
LR5208 KDD	40,0	85,0	30,2	1,1	750
LR5208 NPPU	40,0	85,0	30,2	1,1	750
LR5308 KDDU	40,0	100,0	36,5	1,5	1200
LR5308 KDD	40,0	100,0	36,5	1,5	1200
LR5308 NPPU	40,0	100,0	36,5	1,5	1200



## Zöllige Radialrillenkugellager (Sondergröße)

### Commercial Inch Series

Ref.	Dim. in <u>mm</u>			Dim. in <u>inch</u>		
	d	D	B	d	D	B
1601 ZZ	4.762	17.462	6.350	0.1875	0.6875	0.2500
1601-2RS	4.762	17.462	6.350	0.1875	0.6875	0.2500
1602 ZZ	6.350	17.462	6.350	0.2500	0.6875	0.2500
1602-2RS	6.350	17.462	6.350	0.2500	0.6875	0.2500
1603 ZZ	7.937	22.225	7.143	0.3125	0.8750	0.2812
1603-2RS	7.937	22.225	7.143	0.3125	0.8750	0.2812
1604 ZZ	9.525	22.225	7.143	0.3750	0.8750	0.2812
1604-2RS	9.525	22.225	7.143	0.3750	0.8750	0.2812
1605 ZZ	7.937	23.018	7.937	0.3125	0.9062	0.3125
1605-2RS	7.937	23.018	7.937	0.3125	0.9062	0.3125
1606 ZZ	9.525	23.018	7.937	0.3750	0.9062	0.3125
1606-2RS	9.525	23.018	7.937	0.3750	0.9062	0.3125
1607 ZZ	11.112	23.018	7.937	0.4375	0.9062	0.3125
1607-2RS	11.112	23.018	7.937	0.4375	0.9062	0.3125
1614 ZZ	9.525	28.575	9.525	0.3750	1.1250	0.3750
1614-2RS	9.525	28.575	9.525	0.3750	1.1250	0.3750
1615 ZZ	11.112	28.575	9.525	0.4375	1.1250	0.3750
1615-2RS	11.112	28.575	9.525	0.4375	1.1250	0.3750
1616 ZZ	12.700	28.575	9.525	0.5000	1.1250	0.3750
1616-2RS	12.700	28.575	9.525	0.5000	1.1250	0.3750
1620 ZZ	11.112	34.925	11.112	0.4375	1.3750	0.4375
1620-2RS	11.112	34.925	11.112	0.4375	1.3750	0.4375
1621 ZZ	12.700	34.925	11.112	0.5000	1.3750	0.4375
1621-2RS	12.700	34.925	11.112	0.5000	1.3750	0.4375
1622 ZZ	14.287	34.925	11.112	0.5625	1.3750	0.4375
1622-2RS	14.287	34.925	11.112	0.5625	1.3750	0.4375
1623 ZZ	15.875	34.925	11.112	0.6250	1.3750	0.4375
1623-2RS	15.875	34.925	11.112	0.6250	1.3750	0.4375
1628 ZZ	15.875	41.275	12.700	0.6250	1.6250	0.5000
1628-2RS	15.875	41.275	12.700	0.6250	1.6250	0.5000
1635 ZZ	19.050	44.450	12.700	0.7500	1.7500	0.5000
1635-2RS	19.050	44.450	12.700	0.7500	1.7500	0.5000
1640 ZZ	22.225	50.800	14.287	0.8750	2.0000	0.5625
1640-2RS	22.225	50.800	14.287	0.8750	2.0000	0.5625



## Radialkugellager mit Kunststoffkäfig

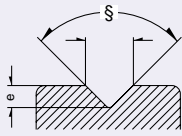
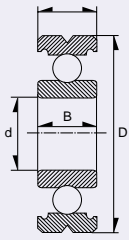
### Ball Bearings with plastic cage

Ref	d	D	B	Revolution x1000	Load Rating	
					Stat	Dym
624-2ZR.T9H.C3	4,0	13,0	5,0	40	485	1300
625-2ZR.T9H.C3	5,0	16,0	5,0	36	670	1730
686-2ZR.T9H.C3	6,0	13,0	5,0	40	440	1080
626-2ZR.T9H.C3	6,0	19,0	6,0	32	885	2340
687-2ZR.T9H.C3	7,0	14,0	5,0	40	510	1170
607-2ZR.T9H.C3	7,0	19,0	6,0	36	885	2340
627-2ZR.T9H.C3	7,0	22,0	7,0	30	1370	3300
688-2ZR.T9H.C3	8,0	16,0	5,0	36	590	1260
608-2ZR.T9H.C3	8,0	22,0	7,0	34	1370	3300
628-2ZR.T9H.C3	8,0	24,0	8,0	28	1430	3350
689-2ZR.T9H.C3	9,0	17,0	5,0	36	665	1330
629-2ZR.T9H.C3	9,0	26,0	8,0	28	1970	4550
6000-2ZR.T9H.C3	10,0	26,0	8,0	30	1970	4550
6200-2ZR.T9H.C3	10,0	30,0	9,0	24	2390	5100
6001-2ZR.T9H.C3	12,0	28,0	8,0	28	2370	5100
6201-2ZR.T9H.C3	12,0	32,0	10,0	22	3050	6800
6002-2ZR.T9H.C3	15,0	32,0	9,0	24	2830	5600
6202-2ZR.T9H.C3	15,0	35,0	11,0	20	3750	7650
6003-2ZR.T9H.C3	17,0	35,0	10,0	22	3250	6000
6203-2ZR.T9H.C3	17,0	40,0	12,0	17	4800	9550
6004-2ZR.T9H.C3	20,0	42,0	12,0	18	5000	9400
6204-2ZR.T9H.C3	20,0	47,0	14,0	15	6600	12800

C3 = extended radial clearance

C3 = erhöhte Lagerluft





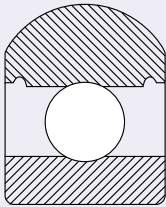
# Drahtführungslager

## Wire Guide Bearings

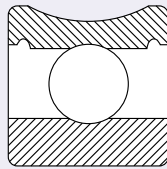
Ref	d	D	B	$\beta$
626-2Z21V.	6,0	21,0	6,0	90°
608-2Z23V.	8,0	23,0	7,0	90°
608-2Z26V.	8,0	26,0	7,0	90°
6200-2Z35V.	10,0	35,0	9,0	90°
6202-2Z47V.	15,0	47,0	11,0	90°

The following profiles are machined on the outside diameter of the outer ring to customer requirements

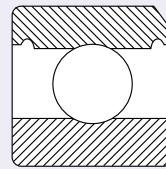
- Handling
- Robotics
- Machine guidance systems
- Automation systems



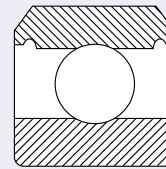
Convex profile  
Konvexes Profil



Concave profile  
Konkaves Profil



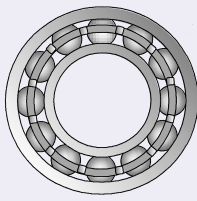
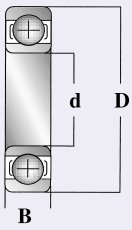
One-side chamfer  
Einseitiges Schulter



Double side chamfer  
Zweiseitige Schulter

For further information please contact us.

Für weitere Informationen wenden Sie sich bitte an uns.  
Weitere Profile auf Anfrage.

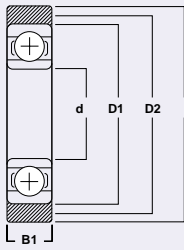


## Radialrillenkugellager mit Sonderabmessungen

### Nonstandard Bearings

Ref.	d	D	B
626/21-2Z	6,0	21,0	6.0
608/24-2Z	8,0	24,0	7.0
608/26-2Z	8,0	26,0	7.0
6200/35-2Z	10,0	35,0	11.0
6201-2Z1/2	12,70	32,00	10.00
6201-2Z/13	13,00	32,00	10.00
6202-2Z5/8	15,87	35,00	11.00
6202-2Z/16	16,00	35,00	11.00
6202/47-2Z	15,0	47,0	11.0
6203-2Z5/8	15,87	40,00	12.00
6203-2Z/16	16,00	40,00	12.00
6203-2Z3/4	19,05	40,00	12.00
6204-2Z3/4	19,05	47,00	12.00
6204-2Z7/8	22,22	47,00	14.00

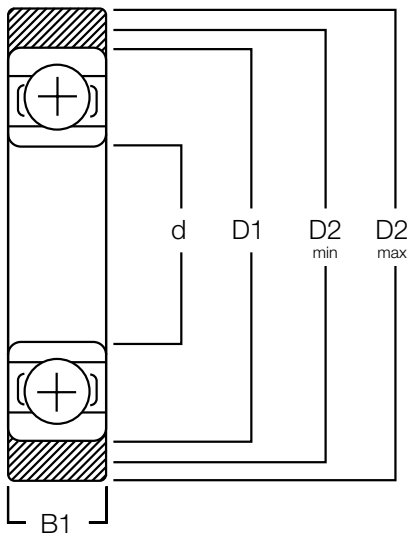
Further dimensions on request  
 Weitere Abmessungen auf Anfrage



## Polyurethan Rollen

## Polyurethane Rollers

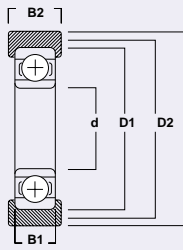
Ref	d	D1	D <sub>2</sub> min	D <sub>2</sub> max	B1
PU 626-2Z	6,0	19,0	21,0	28,0	6,0
PU 627-2Z	7,0	22,0	24,0	30,0	7,0
PU 608-2Z	8,0	22,0	24,0	30,0	7,0
PU 609-2Z	9,0	24,0	26,0	35,0	7,0
PU 6000-2Z	10,0	26,0	28,0	35,0	8,0
PU 6200-2Z	10,0	30,0	32,0	40,0	9,0
PU 6001-2Z	12,0	28,0	30,0	40,0	8,0
PU 6201-2Z	12,0	32,0	34,0	45,0	10,0
PU 6002-2Z	15,0	32,0	34,0	45,0	9,0
PU 6202-2Z	15,0	35,0	37,0	55,0	11,0
PU 6003-2Z	17,0	35,0	37,0	50,0	10,0
PU 6203-2Z	17,0	40,0	42,0	70,0	12,0
PU 6004-2Z	20,0	42,0	44,0	60,0	12,0
PU 6204-2Z	20,0	47,0	49,0	75,0	14,0



d = Bohrung des Kugellagers  
 D1 = Aussendurchmesser des Kugellagers  
 D2 = Min. Aussendurchmesser der Rolle  
 D2 = Max. Aussendurchmesser der Rolle  
 B1 = Breite der Rolle

d = inner bore of the ball-bearing  
 D1 = outer diameter of the ball-bearing  
 D2 = min. outer diameter of the roller  
 D2 = max. outer diameter of the roller  
 B1 = total width of the roller

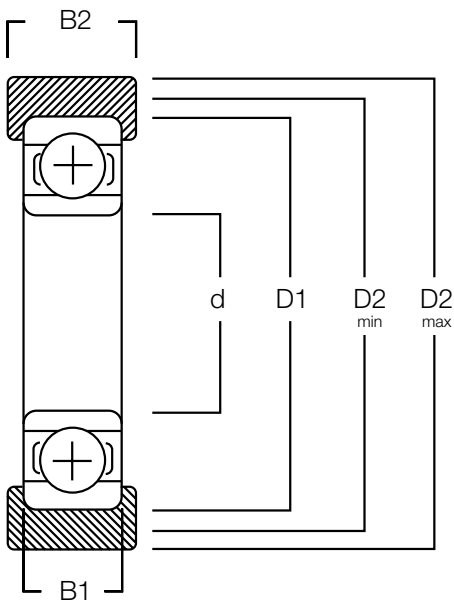
Beim Aussendurchmesser der Rolle können alle Werte zwischen D<sub>2</sub> min. und D<sub>2</sub> max. realisiert werden  
 The outer dimension of the roller can be machined between D<sub>2</sub> min. and D<sub>2</sub> max.



## Polyamid Rollen

## Polyamide Rollers

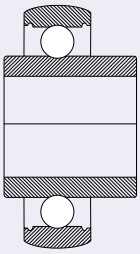
Ref	d	D1	D <sub>2</sub> min	D <sub>2</sub> max	B1	B2
PA 626-2Z	6,0	19,0	21,0	35,0	6,0	9,0
PA 627-2Z	7,0	22,0	24,0	35,0	7,0	10,0
PA 608-2Z	8,0	22,0	24,0	35,0	7,0	10,0
PA 609-2Z	9,0	24,0	26,0	35,0	7,0	10,0
PA 6000-2Z	10,0	26,0	28,0	35,0	7,0	12,0
PA 6200-2Z	10,0	30,0	32,0	45,0	9,0	13,0
PA 6001-2Z	12,0	28,0	30,0	45,0	8,0	12,0
PA 6201-2Z	12,0	32,0	34,0	50,0	10,0	16,0
PA 6002-2Z	15,0	32,0	34,0	50,0	9,0	15,0
PA 6202-2Z	15,0	35,0	37,0	55,0	11,0	18,0
PA 6003-2Z	17,0	35,0	37,0	55,0	10,0	16,0
PA 6203-2Z	17,0	40,0	42,0	60,0	12,0	18,0
PA 6004-2Z	20,0	42,0	44,0	60,0	12,0	18,0
PA 6204-2Z	20,0	47,0	49,0	65,0	14,0	20,0



d = Bohrung des Kugellagers  
 D1 = Aussendurchmesser des Kugellagers  
 D<sub>2</sub> = Min. Aussendurchmesser der Rolle  
 D<sub>2</sub> = Max. Aussendurchmesser der Rolle  
 B1 = Breite des Kugellagers  
 B2 = Breite der Rolle

d = inner bore of the ball-bearing  
 D1 = outer diameter of the ball-bearing  
 D<sub>2</sub> = min. outer diameter of the roller  
 D<sub>2</sub> = max. outer diameter of the roller  
 B1 = total width of the bearing  
 B2 = total width of the roller

Beim Aussendurchmesser der Rolle können alle Werte zwischen D<sub>2</sub> min. und D<sub>2</sub> max. realisiert werden  
 The outer dimension of the roller can be machined between D<sub>2</sub> min. and D<sub>2</sub> max.



## Niro Lagereinsetze

### Stainless Steel Inserts

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

Notizen / Notes:

# Umschlüsselungstabelle 1 / Conversion Table 1

Offene Ausführung (metrisch) / Open Type (metric series)

mm	inch	ZEN	ADR	FAG	GRW	RMB	BARDEN	MPB	NMB	NTN	
1	0.0394	681	AX1		681	UL103			L-310	681	
		MR31							L-310W51		
		691			691				R-410	691	
1.2	0.0472	MR41X						R-412	BC1,2-4		
1.5	0.0591	681X	AX1.5		68/1.5	UL154			R-415	68/1.5	
		691X	619/1.5	MR69/1.5	69/1.5	R1550	19M1-5Y1	EL1.5C	R-515	69/1.5	
		601X						R-615	60/1.5		
2	0.0787	682	BX2	MR682	682	UL205		UL20C	L-520	682	
		MR52							L-520W02	BC2.5	
		692	AX2	MR619/2	692	R2060	19M2Y1	EL2C	R-620	692	
		MR62							R-620W52	BC2-6	
		MR72							R-720Y52	BC2-7	
		602						R-720	602		
2.5	0.0984	682X	AX2.5		68/2.5	UL256	18M2-5		L-625	68/2.5	
		692X	X2.5		69/2.5		19M2-5Y1		R-725	69/2.5	
		MR82X							R-825Y52	BC2.5-8	
		602X	60/2.5	MR60/2.5	60/2.5	R2580		R-825Y52	60/2.5		
3	0.1181	MR63	617/3			MR63			L-630	673	
		683	AX3	MR618/3	683	UL307		UL30C	L-730	683	
		MR83	X3		693/003				R-830Y52	BC3-8	
		693	619/3		693				R-830Y52	693	
		MR93							R-930Y52	BC3-9	
		603							R-930	603	
		623	623	MR623	623	R3100	2M3Y1	EL-3R	R-1030	623	
		633							633		
4	0.1575	MR74	617/4						L-740	674	
		MR84							L-840	BC4-8	
		684	AX4	MR618/4	684	UL409		UL40C	L-940	684	
		MR104	X4						L-1040	BC4-10	
		694	AY4		694				R-1140	694	
		604	604		604				R-1240	604	
		624	624	MR624	624	R4130	2M4	EL4R	R-1340	624	
		634	634	MR634	634	R4160	34		R-1640	634	
5	0.1969	MR85	617/5						L-850	675	
		MR95							L-950	BC5-9	
		MR105							L-1050	BC5-10	
		685	X5	MR618/5	685	UL511	UL50C	UL50C	L-1150	685	
		695	AY5		695				R-1350	695	
		605			605				R-1450	605	
		625	625	MR625	625	R5160	34-5	EL5R	R-1650	625	
		635	635	MR635	635	R5190	35		R-1950	635	
				MR106	617/6					L-1060	676
				MR126	X6					L-1280	BC6-12
		686	AX6	MR618/6	686	UL613		UL60C	L-1380	686	
		696	AY6		696			R-1580	696		
		606						R-1760	606		
		626	626	MR628	626	R6190	38	EL6R	R1960	626	
7	0.2756	MR117	617/7						L-1170	677	
		MR137							L-1370	BC7-13	
		687	AX7	618/7	687	UL714		UL70C	L-1470	687	
		697	AY7		697					697	
		607	607	MR607	607			EL7R	R-1970	607	
		627	627	MR627	627	R7220	37		R-2270	627	
8	0.315	MR128	617/8						L-1280	678	
		MR148							L-1480	BCB-14	
		688	X8	MR618/8	688	UL816			L-1680	688	
		698	AY8		698		19M8		R-1980	698	
		608	608	MR608	608	R8220	38	EL8R	R-2280	608	
		628							628		
9	0.3543	689	X9		689	UL917			L-1790	689	
		699	AY9		699		19M9		L-2090	699	
		609	609	609	609	609				609	
		629	629	MR629	629		39			629	

Niro  
Stainless Steel

W S W S S X S S SS F



# Umschlüsselungstabelle 2 / Conversion Table 2

Geschlossene Ausführung (metrisch) / Shielded Type (metric series)

mm	inch	ZEN	ADR	FAG	GRW	RMB	BARDEN	MPB	NMB	NTN
1.5	0.0591	681XZZ	AX1.5ZZ		68/1.5ZZ	ULZ154		UL15CHH	L-415ZZ	W68/1.5ZZA
		691XZZ	X1.5ZZ		69/1.5ZZ			R515ZZ	W69/1.5ZZA	
		601XZZS					Ta	R-615ZZ	W60/1.5ZZA	
2	0.0787	682ZZZS	BX2ZZ		682-2Z	ULZ205	38M2SS	UL20CHH	L-520ZZ	W682ZZA
		MR5ZZZ						L-520ZZW52	WBC2-5ZZA	
		692ZZZ	AX2ZZ					R-620ZZ	W692ZZA	
		MR6ZZZ						R-620ZZY52		
		MR7ZZZ						R-720ZZY03	WBC2-7ZZA	
2.5	0.0984	602ZZS						R-720ZZ	W602ZZA	
		682XZZS	AX2.5ZZ		68/2.5ZZ	ULZ256	38M2-5SS	L-625ZZ	W68/2.5ZZA	
		692XZZ			69/2.5ZZ			R-725ZZ	W69/2.5ZZA	
3	0.1181	602XZZS						R-825ZZ	W60/2.5ZZA	
		MR63ZZ						L-630ZZ	WA673ZZA	
		683ZZ	AX3ZZ		683-2Z	UL7307	38M3SS	UL30CHH	L-730ZZ	W683ZZA
4	0.1575	693ZZ			693-2Z			R-830ZZ	W693ZZA	
		MR93ZZ						R-930ZZY04	WBC3-9ZZA	
		623ZZ	623ZZ	623ZZ	623-2Z	RF310	2M3SSY1	EL3RHH	R-1030ZZ	623ZZ
		633ZZ								633ZZ
		MR74ZZ							L-740X2ZZ	WA674ZZA
5	0.1969	MR84ZZ							L-840ZZ	WBC4-8ZZA
		684ZZ	638/4ZZ		684-2Z	ULZ409	38M455	UL40CHH	L-940ZZ	W684ZZA
		MR104ZZ	X4ZZ						L-1040ZZ	WBC4-10ZZA
		694ZZ	AY4ZZ		694-2Z				R-1140ZZ	694ZZ
		604ZZ	604ZZ		604-2Z				R-1240ZZ	604ZZ
		624ZZ	624ZZ	624ZZ	624-2Z	RF413	2M4SS	EL4RHH	R-1340ZZ	624ZZ
		634ZZ	634ZZ	MR634ZZ	634-2Z	RV416	34SS	34RHH	R-1640ZZ	634ZZ
6	0.2362	MR85ZZ							L-850ZZ	WA675ZZA
		MR95ZZA							L-950X2ZZ	WBC5-9ZZA
		MR105ZZ							L-1050ZZ	WBC5-10ZZA
		685ZZ	638/5ZZ		685-2Z	ULZ511		UL50CHH	L-1150ZZ	W685ZZ
		695ZZ	AY5ZZ		695-2Z				R-1350ZZ	895ZZ
		605ZZ			605-2Z				R-1450ZZ	605ZZ
		625ZZ	625ZZ	625ZZ	625-2Z	RV516	34.5SS	EL5RHH	R-1650ZZ	625ZZ
		635ZZ	635ZZ	MR635ZZ	635-2Z	RV519	35SS		R-1950ZZ	635ZZ
7	0.2756	MR106ZZS							L-1060ZZ	WA676ZZA
		MR126ZZ	X6ZZ						L-1260ZZ	WBC6-12ZZA
		686ZZ	628/6ZZ		686-2Z	ULZ613		UL60CHH	L-1360ZZ	W686ZZ
		696ZZ	ZY6ZZ		696-2Z				R-1560ZZ	696ZZ
		606ZZ							R-1760ZZ	606ZZ
		626ZZ	626ZZ	MR626ZZ	626-2Z	RV619	36SS	EL6RHH	R-1960ZZ	626ZZ
8	0.315	MR117ZZS							L-1170ZZ	WA677ZZA
		MR137ZZS							L-1370ZZ	WBC7-13ZZA
		687ZZ	AX7ZZ		687-2Z	ULZ714		UL70CH	L-1470ZZ	W687ZZ
		697ZZ	AY7ZZ		697-2Z					697ZZ
		607ZZ	607ZZ	607ZZ	607-2Z			EL7RHH	R-1970ZZ	607ZZ
9	0.3543	627ZZ	627ZZ	MR627ZZ	627-2Z	RV722	37SS		R-2270ZZ	627ZZ
		MR128ZZS	637/8ZZ						L-1280ZZ	W678ZZA
		MR148ZZA							L-1480ZZ	WBC8-14ZZA
		688ZZ	X8ZZ			ULZ816			L-1680ZZ	W688ZZ
		698ZZ	AY8ZZ		698-2Z		19M8SS		R-1980ZZ	698ZZ
9	0.3543	608ZZ	608ZZ	MR608ZZ	608-2Z	RV822	38SS	EL8RHH	R-2280ZZ	608ZZ
		628ZZ								628ZZ
		689ZZ	X9ZZ			ULZ917			L-1790ZZ	W689ZZ
		699ZZ	AY9ZZ		699-2Z		19M9SS		L-2090ZZ	699ZZ
9	0.3543	609ZZ	609ZZ	609ZZ						609ZZ
		629ZZ	629ZZ	MR629ZZ	629-2Z		39SS			629ZZ

Niro

Stainless Steel

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# Umschlüsselungstabelle 3 / Conversion Table 3

Offene Ausführung (zöllig) / Open Type (inch type)

mm	inch	ZEN	ADR	FAG	GRW	RMB	BARDEN	MPB	NMB	NTN
1.016	0.04	R09	RO9	RO308	1016	UL1304		2C	R1-2	R01
1.191	0.0469	RO	X3/64	R0310	1191	UL1505	RO	21/2C	R1-21/2	RO
1.397	0.055	R1	R1	R0412	1397	R1706	R1	3C	R1-3	R1
1.984	0.0781	R1-4	X5/64	R0516	BR5/64	R2508	R1-4	4C	R1-4	R1-4
2.38	0.0937	R133	AX3/32	RO612	2380	UL3008	R133	3332C	R1-3332	R133
		R1-5	X3/32	R620	BR3/32	R3010	R1-5	5C	R1-5	R1-5
3.175	0.125	R144	AX1/8	R0816	3175	UL4008	R144	418C	R1-418	R144
		R2-5	X1/8	R820	BR1/8A	R4010	R2-5	518C	R1-518	R2-5
		R2-6		R824	BR1/8A/6		R2-6	618C	R1-618	R2-6
		R2	R2	R2	BR1/6B	R4012	R2	R2C	R-2	R2
		R2A	R2A	R2A	BR1/8B/083		R2A	R2AC		RA2
3.967	0.1562	R155	X5/32	R1020	3967	UL5010	R155	5532C	RI-5532	R155
4.762	0.1875	R156	AX3/16	R1220	4763A	UL6010	R156	5632C	RI-5632	R156
		R166	X3/16	R1224	4763B	UL6012	R166	6316C	RI-6632	R166
		R3	Y3/16	R3	BR3/16	R6016	R3	R3C	R-3	R3
6.35	0.25	R168	X1/4	R1624	6350A	UL8012	R168	614C	RI-614	R168
		R188	R188	R1632	6350B	UL8016	R188	814C	RI-814	R188
		R4	Y1/4	R4	BR1/4A	R8020	R4	R4C	R-4	R4
		R4A	R4A	R4A	BR1/4A		R4A	R4AR	RI-1214	
7.938	0.3125	R1810		R2032	7938		R1810	8516C	RI-8516	
9.525	0.375	R6	Y3/8	R620	BR3/8		R6	R6R	RI-1438	

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Stainless Steel

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# Umschlüsselungstabelle 4 / Conversion Table 4

Geschlossene Ausführung (zöllig) / Shielded Type (inch type)

mm	inch	ZEN	ADR	FAG	GRW	RMB	BARDEN	MPB	NMB	NTN
1.191	0.0469	ROZZS	X3/64ZZ	R0310.2Z	1191-2Z	ULZ1505	21/2CHH	RI-21/2ZZ	RAOZZA	
1.397	0.055	R1ZZ	R1ZZ	R0412.2Z	1397-2Z	RF1706	R1S	3CHH	RI-3ZZ	RA1ZZ1
1.984	0.0781	R1-4ZZS	X5-64ZZ	R0516.2Z	BR5/64-2Z	RF2508	R1-4SS	4CHH	R1-4ZZ	RA1-4ZZ1
2.38	0.0937	R133ZZS	AX3/32ZZ	RO612.2Z	2380-2Z	ULZ3006	R133SS	3332CHH	R1-3332ZZ	RA133ZZA
3.175	0.125	R144ZZ	AX1/8ZZ	RO816.2Z	3175-2Z	ULZ4008	R144SS	418CHH	R1-418ZZ	RA144ZZA
		R2-5ZZ	X1/8ZZ	R820.2Z	BR1/8A-2Z	RF4010	R2-5SS	518CHH	R1-518ZZ	RA2-5ZZA
		R2-6ZZS		R824.2Z	BR1/8A/6-2Z		R2-6SS	618CHH	R1-618ZZ	RA2-6ZZA
		R2ZZ	R2ZZ	R2.2Z	BR1/8B-2Z	RF4012	R2SS	R2CHH	R-2ZZ	R2ZZA
		R2AZZ	R2AZZ	R2A.2Z	BR1/8B/083-2Z		R2ASS	R2ACHH	RA2ZZA	
3.967	0.1562	R155ZZS	X5/32ZZ	R1020.2Z	3967-2Z	ULZ5010	R155SS	5532CHH	R1-5532ZZ	RA155ZZA
4.762	0.1875	R156ZZS	AX3/16ZZ	R1220.2Z	4763A-2Z	ULZ6010	R156SS	5632CHH	R1-5632ZZ	RA156ZZA
		R166ZZ	X3/16ZZ	R1224.2Z	4763B-2Z	ULZ6012	R166SS	6316CHH	R1-6632ZZ	R166ZZA
		R3ZZ	Y3/16ZZ	R3.2Z	BR3/16-2Z	RF6016	R3SS	R3CHH	R-3ZZ	RA3ZZ
6.35	0.25	R168ZZS	X1/4ZZ	R1624.2Z	6350A-2Z	ULZ8012	R168SS	614CHH	R1-614ZZ	R168ZZA
		R188ZZ	R188ZZ	R1632.2Z	6350B-2Z	ULZ8016	R188SS	814CHH	R1-814ZZ	RA188ZZA
		R4ZZ	Y1/4ZZ	R4.2Z	BR1/4A-2Z	RF8020	R4SS	R4CHH	R-4ZZ	R4ZZ
		R4AZZ	R4AZZ	R4A.2Z	BR1/4..2Z		R4ASS	R4ARHH	R1-1214ZZ	R4AZZ
7.938	0.3125	R1810ZZS		R2032.2Z	7938-2Z		R1810SS	8516CHH	R1-8516ZZ	
9.525	0.375	R6ZZ	Y3/8ZZ	R6.2Z	BR3/6-2Z		R6SS	R6RHH	R1-1438ZZ	R6ZZ

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Stainless Steel

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# Flanschlager Tabelle 5 / Flanged Bearings Table 5

Geschlossene Ausführung (zöllig) / Shielded Type (inch series)

inch	ZEN	ADR	FAG	GRW	RMB	BARDEN	MPB	NMB	NTN
0.0469	FR0ZZS	FX3/64ZZ	RF0310.2Z	F1191-2Z	ULKZ1505	FR0SS	21/2FCHH	RIF-21/2ZZ	FLRAOZZA
0.055	FR1ZZ	FR1ZZ	RF0412.2Z	F1397-2Z	RKF-1706	FR1SS	3FCHH	RIF-3ZZ	FLRA1ZZA
0.0781	FR1-4ZZS	FX5/64ZZ	RF0516.2Z	R6/64-2Z	RKF2508	FR1-4SS	4FCHH	RIF-4ZZ	FLRA1-4ZZA
0.0937	FR133ZZS	FAX3/32ZZ	RF0612.2Z	F2380-2Z	ULKZ3006	FR133SS	3332FCHH	RIF-3332ZZ	FLRA133ZZA
	FR1-5ZZS	FX3/32ZZ	RF620.2Z	F3/32-2Z	RKF3010	FR1-5SS	5FCHH	RIF-5ZZ	FLRA1-5ZZA
0.125	FR144ZZ	FAX1/8ZZ	RF0816.2Z	F3175-2Z	ULKZ4008	FR144SS	418FCHH	RIF-418ZZ	FLRA144ZZA
	FR2-5ZZ	FX1/8ZZ	RF820.2Z	F1/8A-2Z	RKF4010	FR2-5SS	518FCHH	RIF-518ZZ	FLRA2-5ZZA
	FR2-6ZZS		RF824.2Z	F1/8A/6-2Z		FR2-6SS	618FCHH	RIF-618ZZ	FLRA2-6ZZA
	FR2ZZ	FR2ZZ	RF2.2Z	F1/8B-2Z	RKF4012	FR2SS	R2FCHH	RF-2ZZ	FLR2ZZA
0.1562	RF155ZZS	FX5/32ZZ	RF1020.2Z	F3967-2Z	ULKZ5010	FR155SS	5532FCHH	RIF-5532ZZ	FLRA155ZZA
0.1875	FR156ZZS	FAX3/16ZZ	RF1220.2Z	F4763A-2Z	ULKZ6010	FR156SS	5632FCHH	RIF-5632ZZ	FLRA156ZZA
	FR166ZZ	FX3/16ZZ	RF1224.2Z	F4763B-2Z	ULKZ6012	FR166SS	6316FCHH	RIF-6632Z	FLRA166ZZA
	FR3ZZ	FY3/16ZZ	RF3.2Z	F3/16-2Z	RKF6016	FR3SS	R3FCHH	RF-3ZZ	FLRA3ZZ
0.25	FR168ZZS	FX1/4ZZ	RF1624.2Z	F6350A-2Z	ULKZ8012	FR168SS	614CHH	RIF-614ZZ	FLRA168ZZA
	FR188ZZ	FR188ZZ	RF1632.2Z	F6350B-2Z	ULKZ8016	FR188SS	814FCHH	RIF-814ZZ	FLRA188ZZA
	FR4ZZ	FY1/4ZZ	RF4.2Z	F1/4A-2Z	RKF8020	FR4SS	R4FCHH	RF-4ZZ	FLR4ZZ
0.3125	FR1810ZZS		RF2032.2Z	F7938-2Z		FR1810SS	8516FCHH	RIF-8516ZZ	
0.375	FR6ZZ	FY3/8ZZ	RF6.2Z			FR6SS	R6FRHH	RIF-1438ZZ	FLR6ZZ

# Flanschlager Tabelle 6 / Flanged Bearings Table 6

Geschlossene Ausführung (metrisch) / Shielded Type (metric series)

mm	inch	ZEN	ADR	GRW	RMB	BARDEN	MPB	NMB	NTN
1.5	0.591	F691XZZ	FX1.5ZZ	"F69/1,5-2Z"				RF-515ZZ	FLW69/1.5ZZA
		F601XZZS						RF-615ZZ	FLW60/1.5ZZA
2	0.0787	F682ZZ	FBX2ZZ	F682-2Z	ULKZ205	F682SS	UL20FCHH	LF-520ZZ	FLW682ZZA
		F692ZZ	FAX2ZZ			F692SS		RF-620ZZ	FLW692ZZA
		MF72ZZ						RF-720ZZY03	FLW8C2-7ZZA
		F602ZZS						RF-720ZZ	FLW602ZZA
2.5	0.0984	F682XZZS	FAX2.5ZZ	F68/2.5-2Z	ULKZ256	F68/2.5SS		LF-625ZZ	FLW68/2.5ZZA
		F692XZZ	FX2.5ZZ	F69/2.5-2Z		F69/2.5SS		RF-725ZZ	FLW69/2.5ZZA
		F602XZZS						RF-825ZZ	FLW60/2.5ZZA
3	0.1181	MF63ZZS						FL630ZZ	FLWA67ZZA
		F683ZZ	FAX3ZZ	F683-2Z	ULKZ307	F683SS	UL30FCHH	LF-730ZZ	FLW683ZZA
		F693ZZ	FX3ZZ	F693-2Z	RKF308			RF-830ZZ	FLW693ZZA
		MF93ZZ						RF-930ZZY04	FLWBC3-9ZZA
		F623ZZ	F623ZZ	F623-2Z	RKF310	F623SS		RF-1030ZZ	FL623ZZA
4	0.1575	MF74ZZ						LF-740ZZ	FLWA674ZZA
		MF84ZZ						LF-840ZZ	FLWBC4-8ZZA
		F684ZZ	F683/4ZZ	F684-2Z	ULKZ409	F684SS	UL40FCHH	LF-940ZZ	FLW684ZZA
		MF104ZZ						LF-1040ZZ	FLAWBC4-10ZZA
		F694ZZ		F694-2Z		F694SS		RF-1140ZZ	FL694ZZA
		F604ZZ						RF-1240ZZ	FL604ZZ
		F624ZZ	F624ZZ	F624-2Z		F624SS		RF-1340ZZF	L624ZZ
		F634ZZ		F634-2Z		F634SS		RF-1640ZZ	FL634ZZ
5	0.1969	MF85ZZ						LF-850ZZ	FLWA675ZZA
		MF95ZZ						LF-950ZZ	FLWBC5-9ZZA
		MF105ZZ						LF-1050ZZ	FLAWBC5-10ZZA
		F685ZZ	F638/5ZZ	F685-2Z	ULKZ511	F685SS	UL50FCHH	LF-1150ZZ	FLW685ZZA
		F695ZZ		F695-2Z		F695SS		RF-1350ZZ	FL695ZZ
		F605ZZ		F605-2Z				RF-1450ZZ	FL605ZZ
		F625ZZ		F625-2Z		F625SS		RF-1850ZZ	FL625ZZ
		F635ZZ		F635-2Z		F635SS		RF1950ZZ	FL635ZZ
6	0.2362	MF106ZZ						RF-1650ZZ	FLWA676ZZA
		MF126ZZ						UF-1260ZZ	FLAWBC6-12ZZA
		F686ZZ	F628/6ZZ	F686-2Z	ULKZ613	F686SS	UL60FCHH	LF-1360ZZ	FLW686ZZA
		F696ZZ		F696-2Z		F696SS		RF-1560ZZ	FL696ZZ
		F606ZZ						RF-1760ZZ	FL606ZZ
		F626ZZ		F626-2Z		F626SS			FL626ZZ
7	0.2756	MF117ZZS						LF-1170ZZ	FLWA677ZZA
		MF137ZZS						LF-1370ZZ	FLAWBC7-13ZZA
		F687ZZ	FAX7ZZ	F687-2Z	ULKZ714	F687SS	UL70FCHH	LF-1470ZZ	FLW687ZZA
		F697ZZ		F697-2Z		F697SS			FL697ZZ
		F607ZZ	F607ZZ	F607-2Z		F607SS			FL607ZZ
		F627ZZ		F627-2Z		F627SS			FL627ZZ
8	0.315	MF128ZZ						RF-2270ZZ	FL627ZZ
		MF148ZZ						LF-1280ZZ	FLAW678ZZA
		F688ZZ				F688SS		UF-1480ZZ	FLWBC8-14ZZA
		F698ZZ		F698-2Z		F698SS		UF-1680ZZ	FLW688ZZ
		F608-ZZ	F608ZZ	F608-2Z		F608SS			FL698ZZ
9		F689ZZ				F689SS		RF-2280ZZ	FL608ZZ
		F699ZZ						FL-1790ZZ	FLW689ZZ
									FL699ZZ

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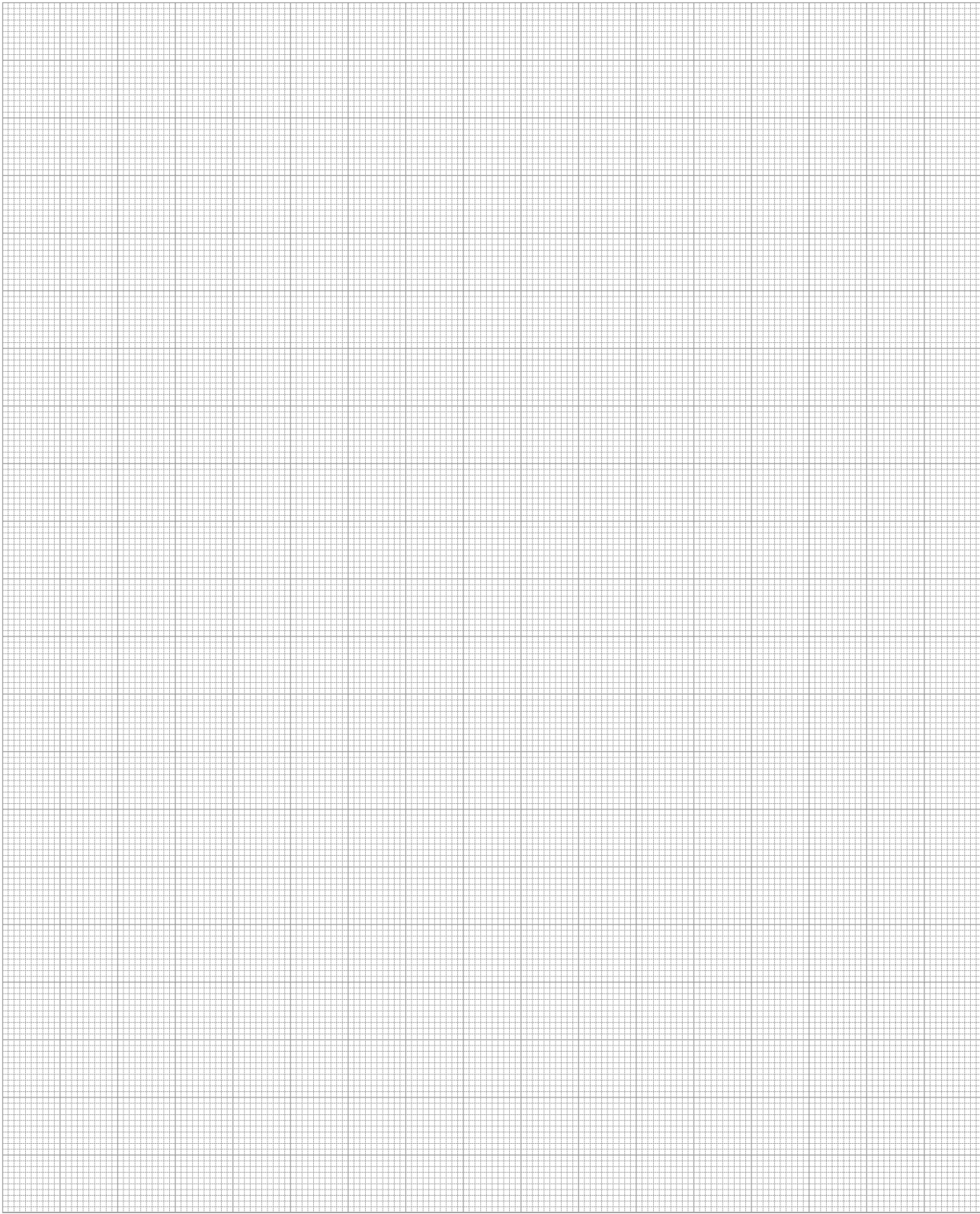
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# Zoll-MM Umrechnungstabelle / Inch to MM Conversion

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	<b>18.0000</b>
	0.0394	<b>1.0000</b>		0.3150	<b>8.0000</b>	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	<b>9.0000</b>		0.7480	<b>19.0000</b>
	0.0550	1.3970	23/64	0.3594	9.1281	<b>3/4</b>	0.7500	19.0500
	0.0591	<b>1.5000</b>	<b>3/8</b>	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	<b>10.0000</b>	25/32	0.7812	19.8433
5/64	0.0781	1.9844	13/32	0.4062	10.3187		0.7874	<b>20.0000</b>
	0.0787	<b>2.0000</b>		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	<b>21.0000</b>
	0.0984	<b>2.5000</b>		0.4331	<b>11.0000</b>	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	<b>22.0000</b>
	0.1100	2.7940	15/32	0.4687	11.9062	<b>7/8</b>	0.8750	22.2250
	0.1102	2.8000		0.4724	<b>12.0000</b>	57/64	0.8906	22.6219
	0.1181	<b>3.0000</b>	31/64	0.4844	12.3031		0.9055	<b>23.0000</b>
<b>1/8</b>	0.1250	3.1750	<b>1/2</b>	0.5000	12.7000	29/32	0.9062	23.0187
	0.1256	3.1902		0.5118	<b>13.0000</b>	59/64	0.9219	23.4156
	0.1378	<b>3.5000</b>	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	<b>24.0000</b>
5/32	0.1562	3.9687	35/64	0.5469	13.8906	61/64	0.9531	24.2094
	0.1575	<b>4.0000</b>		0.5512	<b>14.0000</b>	31/32	0.9687	24.6062
11/64	0.1719	4.3656	9/16	0.5625	14.2875		0.9843	<b>25.0000</b>
3/16	0.1875	4.7625	37/64	0.5781	14.6844	63/64	0.9844	25.0031
	0.1892	4.8057		0.5906	<b>15.0000</b>		1.0000	25.4000
	0.1969	<b>5.0000</b>	19/32	0.5937	15.0812		1.0236	<b>26.0000</b>
13/64	0.2031	5.1594	39/64	0.6094	15.4781		1.0415	26.4541
	0.2165	5.4991	<b>5/8</b>	0.6250	15.8750		1.0480	26.6192
7/32	0.2187	5.5562		0.6299	<b>16.0000</b>	1-1/16	1.0625	26.9875
15/64	0.2344	5.9531	41/64	0.6406	16.2719		1.0630	<b>27.0000</b>
	0.2362	<b>6.0000</b>		0.6500	16.5100		1.1025	<b>28.0000</b>
<b>1/4</b>	0.2500	6.3500	21/32	0.6562	16.6687	<b>1-1/8</b>	1.1250	28.5750
17/64	0.2656	6.7469		0.6620	16.8148		1.1417	<b>29.0000</b>
	0.2756	<b>7.0000</b>		0.6693	<b>17.0000</b>		1.1812	<b>30.0000</b>
9/32	0.2812	7.1437	43/64	0.6719	17.0656	1-3/16	1.1875	30.1625
						<b>1-1/4</b>	1.2500	31.7500
						<b>1-1/2</b>	1.5000	38.1000





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