

ROLLWAY®



STAINLESS STEEL DEEP GROOVE BALL BEARINGS

REGAL®

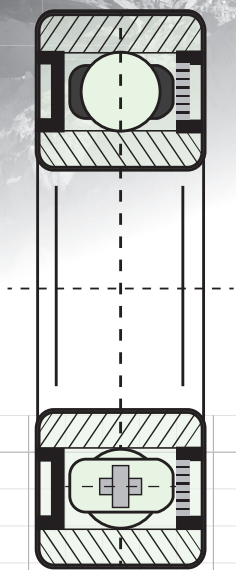
ROLLWAY® Stainless Steel Bearings

ROLLWAY® Stainless Steel Bearings series S60, S62, S63 have the same general dimensions but differ slightly in the load ratings from bearings of the same series made out of 100Cr6.

Sealed bearings with the suffix 2RS have seals made out of nitrile butadiene rubber (NBR) resulting in a limited resistance against acids. It is imperative to consider the acid concentration in your application.

Rollway stainless steel bearings with a 2RS seal arrangement contain all metallic bearing components and features a backing ring that is made out of stainless steel.

Sealed 2RS bearings have a higher friction than unsealed bearings or bearings with ZZ=steel seals and should be run at a lower rpm range.



Ball bearings made from stainless steel and standard bearings have the following differences:

Material | Identification S | Blue seals | Color of the boxes

Applications

Typical applications for stainless steel bearings are:
Food process industry | Chemical industry | Water and sewage | Armatures

Materials

BEARING RINGS AND BALLS: stainless steel quality similar to AISI 440 C
CAGE, SEALS AND RIVETS: AISI 300 Series Stainless Steel
2RS SEALS: Nitrile Butadiene Rubber, Stainless Steel seal backing ring

Versions

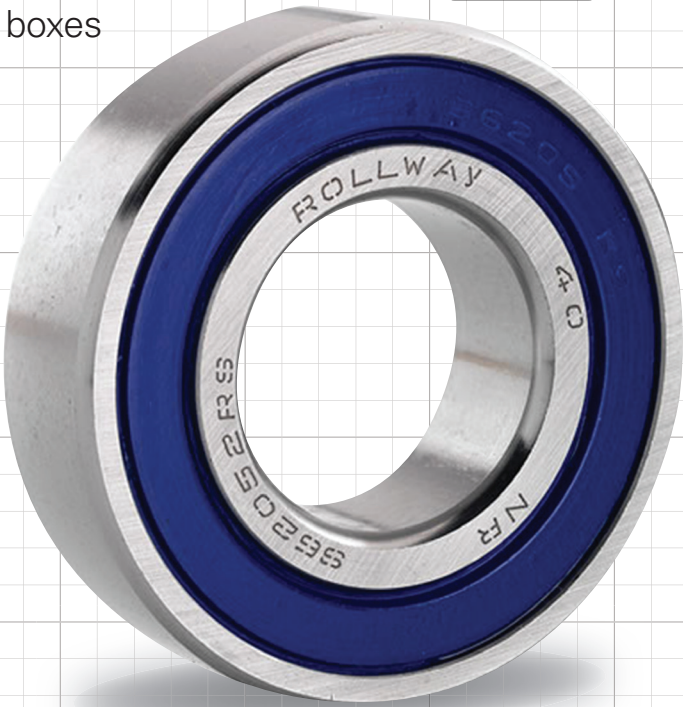
Open, and sealed versions are available in RS / 2RS and Z / ZZ.
2RS version is standard. Open or ZZ version available upon request.

Bearing Clearance

Bearings in standard version are supplied with standard clearance C0.
Bearings with bigger clearance are available upon request.

Lubrication

The standard grease for sealed bearings is CEVERON 2.
The temperature range for bearings in 2RS version is -20 to 120°C.
Special lubricants are available on request. Example: S 6200 2RS



ROLLWAY® Single Row Deep Groove Ball Bearings

Material AISI 440 C

These bearings are produced in 2RS version. ZZ or open can be supplied upon request.

DIMENSIONS (MM)				LOAD RATINGS (KN)		Limiting Speed (RPM) Grease	Bearing Reference	Weight (kg)
d	D	B	rs min	Dynamic Cr	Static Cor			
10	26	8	0,3	4,62	1,96	19000	S 6000 2RS	0,019
12	28	8	0,3	5,07	2,36	17000	S 6001 2RS	0,022
15	32	9	0,3	5,59	2,85	14000	S 6002 2RS	0,030
17	35	10	0,3	6,05	3,25	13000	S 6003 2RS	0,039
20	42	12	0,6	9,36	5,00	11000	S 6004 2RS	0,069
25	47	12	0,6	11,20	6,55	9500	S 6005 2RS	0,080
30	55	13	1,0	13,30	8,30	8000	S 6006 2RS	0,120
35	62	14	1,0	15,90	10,20	7000	S 6007 2RS	0,160
40	68	15	1,0	16,80	11,60	6300	S 6008 2RS	0,190
45	75	16	1,0	20,86	14,60	5600	S 6009 2RS	0,250
50	80	16	1,0	21,60	16,00	5000	S 6010 2RS	0,260
55	90	18	1,1	28,10	21,20	4500	S 6011 2RS	0,390
60	95	18	1,1	29,60	23,20	4300	S 6012 2RS	0,420
65	100	18	1,1	30,70	25,00	4000	S 6013 2RS	0,440
70	110	20	1,1	38,10	30,80	3900	S 6014 2RS	0,617
10	30	9	0,6	5,07	2,36	17000	S 6200 2RS	0,032
12	32	10	0,6	6,87	3,10	15000	S 6201 2RS	0,037
15	35	11	0,6	7,80	3,75	13000	S 6202 2RS	0,045
17	40	12	0,6	9,65	4,75	12000	S 6203 2RS	0,065
20	47	14	1,0	12,70	6,55	10000	S 6204 2RS	0,110
25	52	15	1,0	14,00	7,80	8500	S 6205 2RS	0,130
30	62	16	1,0	19,50	11,20	7500	S 6206 2RS	0,200
35	72	17	1,1	25,50	15,30	6300	S 6207 2RS	0,290
40	80	15	1,1	30,70	19,00	5600	S 6208 2RS	0,370
45	85	19	1,1	33,20	21,60	5000	S 6209 2RS	0,410
50	90	20	1,1	35,10	23,20	4800	S 6210 2RS	0,460
55	100	21	1,5	43,60	29,00	4300	S 6211 2RS	0,610
60	110	22	1,5	47,50	32,50	4000	S 6212 2RS	0,780
10	35	11	0,6	8,06	3,40	15000	S 6300 2RS	0,053
12	37	12	1,0	9,75	4,15	14000	S 6301 2RS	0,060
15	42	13	1,0	11,40	5,40	12000	S 6302 2RS	0,082
17	47	14	1,0	13,50	6,55	11000	S 6303 2RS	0,120
20	52	15	1,1	15,90	7,80	9500	S 6304 2RS	0,140
25	62	17	1,1	22,50	11,60	7500	S 6305 2RS	0,230
30	72	19	1,1	28,10	16,00	6300	S 6306 2RS	0,350
35	80	21	1,5	33,20	19,00	5600	S 6307 2RS	0,460
40	90	23	1,5	41,00	24,00	5000	S 6308 2RS	0,630
45	100	25	1,5	52,70	31,50	4500	S 6309 2RS	0,830
50	110	27	2,0	61,80	38,00	4300	S 6310 2RS	1,050



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APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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