

ROLLWAY®



STAINLESS STEEL DEEP GROOVE BALL BEARINGS

REGAL®

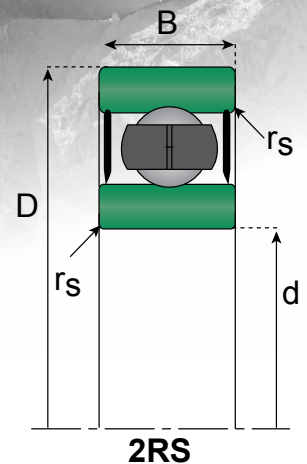
ROLLWAY® Stainless Steel Bearings

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 feature 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 GADUS*.
The temperature range for bearings in 2RS version is -20 to 120°C.
Special lubricants are available on request. Example: S 6200 2RS



* Gadus is believed to be the trademark and/or trade name of Shell Trademark Management BV and is not owned or controlled by Regal Beloit Corporation.

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.

Part number	Principal dimensions			Load ratings		Speed limits	Weight	Radius
	Bore	Outer	Width	Dynamic	Static	Grease		
	d	D	B	C	C0	rpm	Kg	rS min mm
	mm			kN		1 min ⁻¹		
S685 2RS	5	11	3	0,72	0,28	43000	0,0011	0,15
S695 2RS	5	13	4	1,08	0,43	40000	0,0024	0,20
S605 2RS	5	14	5	1,33	0,51	39000	0,0035	0,20
S625 2RS	5	16	5	1,76	0,68	37000	0,0048	0,30
S635 2RS	5	19	6	2,34	0,89	34000	0,0080	0,30
S686 2RS	6	13	4	1,08	0,44	39000	0,0019	0,15
S696 2RS	6	15	5	1,35	0,53	37000	0,0038	0,20
S606 2RS	6	17	6	2,19	0,87	35000	0,0060	0,30
S626 2RS	6	19	6	2,34	0,89	34000	0,0080	0,30
S636 2RS	6	22	7	3,30	1,35	31000	0,0130	0,30
S687 2RS	7	14	4	1,17	0,51	37000	0,0021	0,15
S697 2RS	7	17	5	1,61	0,72	35000	0,0052	0,30
S607 2RS	7	19	6	2,24	0,91	34000	0,0080	0,30
S627 2RS	7	22	7	3,35	1,40	32000	0,0130	0,30
S637 2RS	7	26	9	4,55	1,95	26000	0,0240	0,30
S688 2RS	8	16	4	1,26	0,59	35000	0,0031	0,20
S698 2RS	8	19	6	1,99	0,87	33000	0,0073	0,30
S608 2RS	8	22	7	3,35	1,40	32000	0,0120	0,30
S628 2RS	8	24	8	4,00	1,59	31000	0,0170	0,30
S638 2RS	8	28	9	4,55	1,95	26000	0,0290	0,30
S689 2RS	9	17	4	1,72	0,82	33000	0,0032	0,20
S699 2RS	9	20	6	2,48	1,09	32000	0,0082	0,30
S609 2RS	9	24	7	3,40	1,45	31000	0,0140	0,30
S629 2RS	9	26	8	4,55	1,96	30000	0,0200	0,30
S639 2RS	9	30	10	6,00	2,65	24000	0,0350	0,30
S6800 2RS	10	19	5	1,83	0,93	32000	0,0050	0,30
S6900 2RS	10	22	6	2,70	1,27	30000	0,0090	0,30
S6000 2RS	10	26	8	4,55	1,96	29000	0,0190	0,30
S6200 2RS	10	30	9	5,10	2,39	25000	0,0320	0,60
S6300 2RS	10	35	11	8,20	3,50	23000	0,0530	0,60
S6801 2RS	12	21	5	1,92	1,04	29000	0,0060	0,30
S6901 2RS	12	24	6	2,89	1,46	27000	0,0110	0,30
S6001 2RS	12	28	8	5,10	2,39	26000	0,0210	0,30
S6201 2RS	12	32	10	6,10	2,75	22000	0,0370	0,60
S6301 2RS	12	37	12	9,70	4,20	20000	0,0600	1,00
S6802 2RS	15	24	5	2,08	1,26	26000	0,0070	0,30
S6902 2RS	15	28	7	4,10	2,06	24000	0,0160	0,30
S6002 2RS	15	32	9	5,60	2,84	22000	0,0300	0,30
S6202 2RS	15	35	11	7,75	3,60	19000	0,0450	0,60
S6302 2RS	15	42	13	11,40	5,45	17000	0,0820	1,00
S6803 2RS	17	26	5	2,81	1,72	24000	0,0080	0,30
S6903 2RS	17	30	7	4,65	2,58	22000	0,0180	0,30
S6003 2RS	17	35	10	6,80	3,35	20000	0,0390	0,30
S6203 2RS	17	40	12	9,60	4,60	18000	0,0660	0,60
S6303 2RS	17	47	14	13,50	6,55	16000	0,1150	1,00
S6804 2RS	20	32	7	4,00	2,47	21000	0,0190	0,30
S6904 2RS	20	37	9	6,40	3,70	19000	0,0360	0,30
S6004 2RS	20	42	12	9,40	5,05	18000	0,0690	0,60
S6204 2RS	20	47	14	12,80	6,65	16000	1,1060	1,00
S6304 2RS	20	52	15	15,90	7,90	14000	0,1440	1,10



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