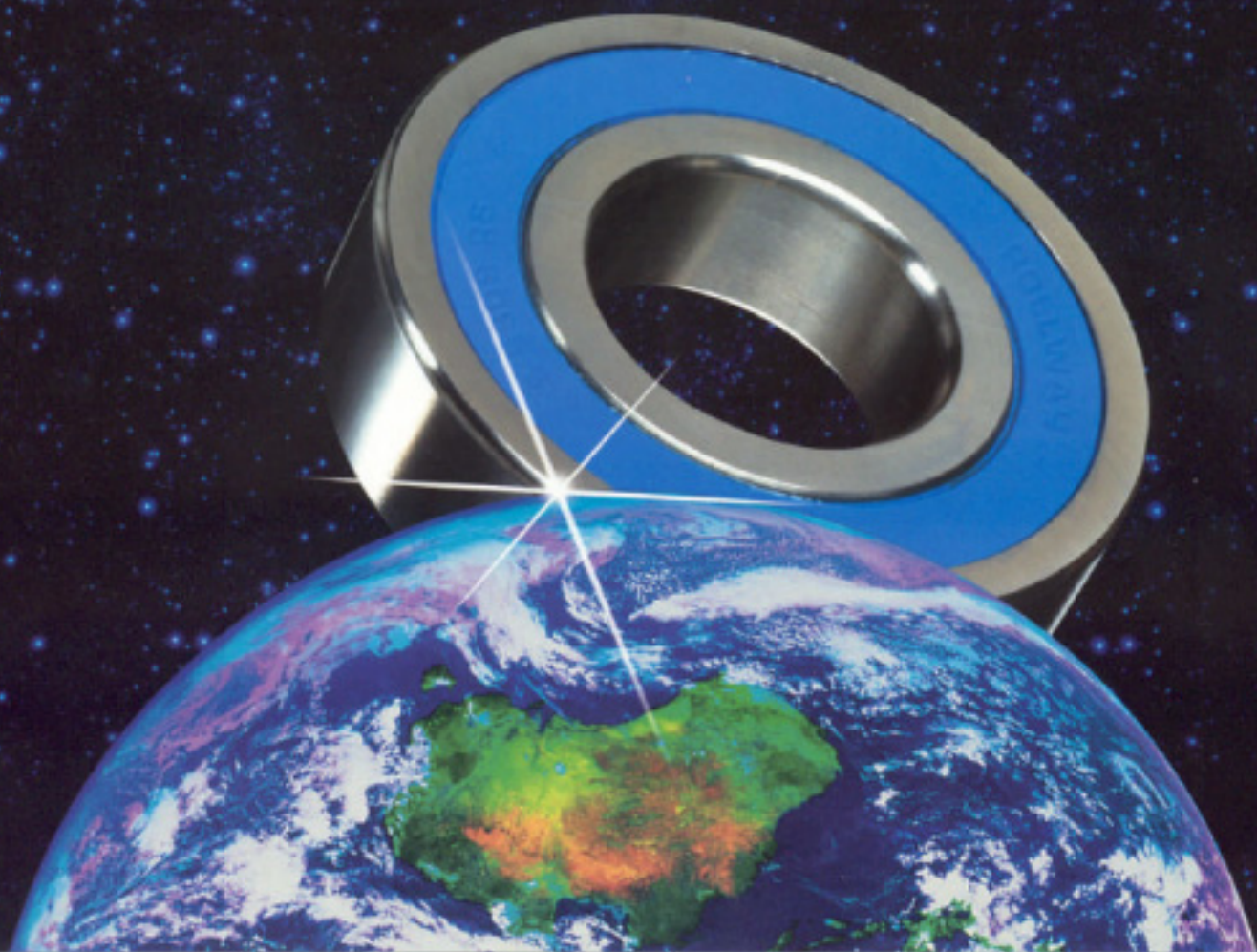




The reliable bearing source

The Rollway stainless steel bearing



Stainless Steel



Single Row Deep Groove Ball Bearings

- These bearings are produced in 2RS version.
- ZZ or open can be supplied upon request.
- Material: AISI 440 C

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

Rollway Stainless Steel Bearings



Rollway Stainless Steel Bearings series S60, S62, S63 have the same general dimensions but differ slightly in the load ratings to bearings of the same series made out of 100Cr6. Stainless steel bearings are resistant against moisture, water, steam and alkalis. On sealed bearings with the suffix 2RS, the resistance against acids is limited due to the RS seal made out of NBR (nitrile butadiene rubber). The acid concentration is to consider. One feature of the Rollway stainless steel bearing with 2RS seal arrangement is that the backing ring of the seals are made out of stainless steel as well as all metallic bearing components. At sealed 2RS bearings due to the sliding seal have a higher friction as open bearings or bearings with ZZ-steel seal. Therefore a lower rpm-range is to consider.

Rollway

Ball bearings out of stainless steel are different to standard bearings as follows:

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

Applications

Typical applications for stainless steel bearings are:

- Food process industry
- Chemical industry
- Water an savage
- Armatures



Materials

- | | | |
|--|---|---|
| <input type="checkbox"/> Bearing rings and balls | - | stainless steel quality similar as AISI 440 C |
| <input type="checkbox"/> Cage, seals and rivets | - | stainless steel in AISI 300 qualities |
| <input type="checkbox"/> 2RS seals | - | NBR, seal backing ring out of stainless steel |

Versions

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

Bearing Clearance

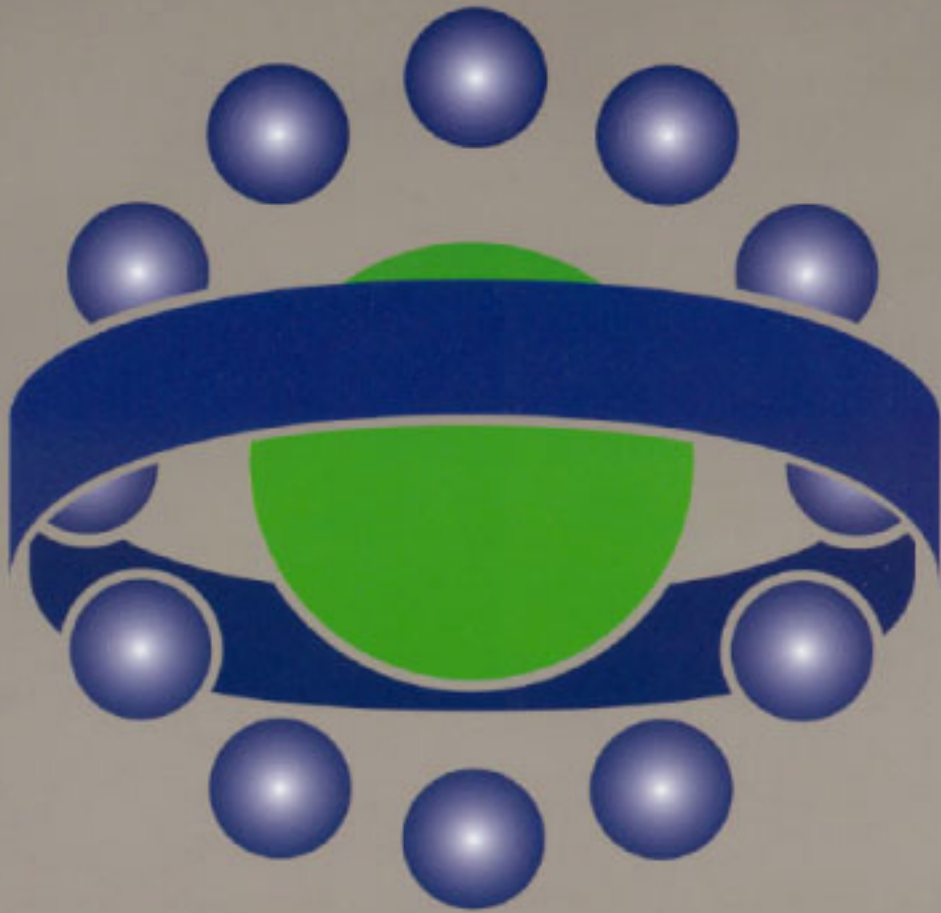
Bearings in standard version are supplied with standard clearance C0.
Bearings with bigger clearance are available upon request.

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

The Rollway stainless steel bearing



ROLLWAY
THE RELIABLE SOURCE FOR ALL BEARINGS

Contact us :

HIGH GRADE EQUIPMENT CO.L.L.C

P.O.Box: 105840

Abu Dhabi, United Arab Emirates

Tel:+971-2-5555376

Fax:+971-2-5555377

Emergency no: +971 55 2429 729

E-Mail: highgrad@eim.ae