Thin Section Ball Bearings



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GSWC Thin Section Ball Bearings

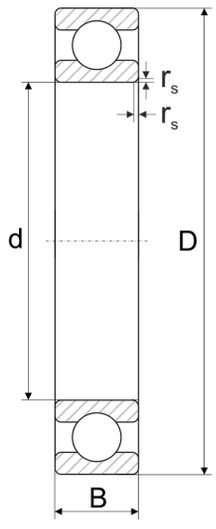
GSWC Thin Section Ball Bearings offer a high quality solution for normal temperatures up to a maximum of 150°C and fast speeds. These bearings comprise the following properties:



- **Different radial clearance values**
  Normal clearance (CN) or C3 as standard
- **Riveted sheet steel cage**
  provides high stability at low friction
- **High-quality lubricant (suitable up to 150°C)**
  from European manufacturer
- **Optional with steel shields (2ZR) or rubber seals (2RS; up to 120°C)**
- **Broad assortment**
  61800 … 61812
  61900 … 61912

Other sizes, radial clearance values and special lubrications are available on request.

618xx

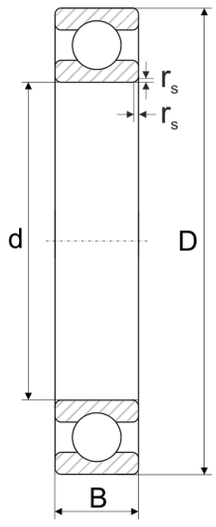


Code	Dimensions				Load Ratings		Max. Speed			Weight
GSWC	d	D	B	r_s min	C_0	C_{dyn}	Open	2ZR	2RS	
	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[min^{-1}]	[min^{-1}]	[min^{-1}]	≈ [kg]
61800	10	19	5	0,3	0,75	1,59	32 000	27 000	18 000	0,005
61801	12	21	5	0,3	1,04	1,91	29 000	24 000	18 000	0,006
61802	15	24	5	0,3	1,25	2,07	27 000	20 000	16 000	0,007
61803	17	26	5	0,3	1,36	2,13	25 000	18 000	15 000	0,020
61804	20	32	7	0,3	2,23	3,48	22 000	15 000	11 500	0,022
61805	25	37	7	0,3	2,63	3,68	18 000	12 500	9 500	0,026
61806	30	42	7	0,3	3,15	4,00	15 000	11 000	8 000	0,027
61807	35	47	7	0,3	3,60	4,27	13 000	9 500	7 000	0,030
61808	40	52	7	0,3	3,89	4,41	12 000	8 500	6 500	0,030
61809	45	58	7	0,3	4,33	4,59	11 000	7 500	7 500	0,044
61810	50	65	7	0,3	6,08	6,61	9 000	6 500	6 500	0,049
61811	55	72	7	0,3	8,08	8,53	8 500	6 000	6 000	0,084
61812	60	78	9	0,3	8,76	9,20	7 600	5 500	5 500	0,106

Remark: The weight applies for the bearing only without lubricant and shields.

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619xx



Code	Dimensions				Load Ratings		Max. Speed			Weight
GSWC	d	D	B	r_s min	C_0	C_{dyn}	Open	2ZR	2RS	
	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[min^{-1}]	[min^{-1}]	[min^{-1}]	≈ [kg]
61900	10	22	6	0,3	1,27	2,69	29 000	25 000	17 000	0,008
61901	12	24	6	0,3	1,46	2,89	25 000	20 000	17 000	0,011
61902	15	28	7	0,3	2,25	4,32	23 000	18 500	15 000	0,016
61903	17	30	7	0,3	2,55	4,59	22 000	17 000	14 000	0,018
61904	20	37	9	0,3	3,68	6,37	20 000	14 000	11 500	0,036
61905	25	42	9	0,3	4,18	6,66	16 000	11 500	9 500	0,042
61906	30	47	9	0,3	5,01	7,24	14 000	10 000	8 000	0,048
61907	35	55	10	0,6	7,16	10,39	12 000	8 500	6 500	0,074
61908	40	62	12	0,6	9,20	13,02	11 000	7 500	6 500	0,112
61909	45	68	12	0,6	10,13	13,49	9 900	7 000	6 500	0,128
61910	50	72	12	0,6	10,66	13,90	9 000	6 500	6 000	0,132
61911	55	80	13	1,0	12,69	14,82	8 500	5 500	5 500	0,180
61912	60	85	13	1,0	13,48	15,08	8 100	5 500	5 000	0,198

Remark: The weight applies for the bearing only without lubricant and shields.

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