



Subject	Symbol	Description
Seal type	ZZ	Metal shields on both sides
	2RS	Rubber seals on both sides
Radial internal clearance	C2	Less than normal
	CN	Normal clearance. Is not indicated as a standard
	C3	Greater clearance than normal
	C4	Greater than C3
	C5	Greater than C4
Cage type	E	Polymer cage
Speed ratings	V	Normal vibration level. Is not indicated as a standard
	V2	Lower vibration level than V2
Tolerances	P0	Normal tolerance level. Is not indicated as a standard
	P6	Greater tolerance level than P0

Features

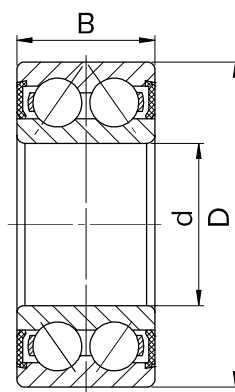
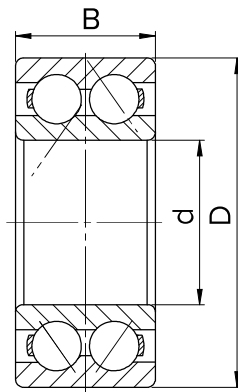
Double row deep groove ball bearings corresponds in design to single row deep groove ball bearings. They are designed for high to very high speeds and are used where the load carrying capacity of single row deep groove ball bearings is not sufficient. Double row deep groove ball bearings are wider than single row deep groove ball bearings of the same bore and outside diameter but have a significantly higher load carrying capacity.

Cages

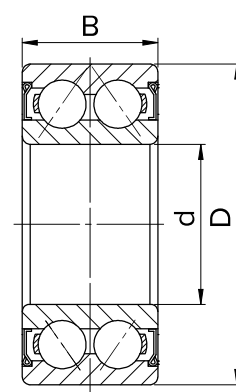
CRAFT double row deep groove ball bearings without a cage suffix have a sheet steel cage. For specific purpose polymer cages might be used which has better friction and lubrication capabilities.

Sealing and lubrication

Mainly these bearings are produced in sealed version, however, other types are available on request. Sealed version ensures great lubrication on working conditions as additional lubrication might not be sufficient for this bearing design. CRAFT bearings grease is a low noise bearing grease which is thickened by lithium 12-hydroxy stearic, it is made from deeply refined mineral oil with rust and oxidation inhibitors through special technical process. Applied temperature range -20 C - +120 C.



2RS



ZZ

ISO	GOST	Dimensions (mm)			Basic Load Ratings (N)		Limiting speed (r/min)		Weight (kg)
							Lubrication		
		d	D	B	Dyn. C	Stat. C ₀	Grease	Oil	
3000 ZZ	-	10	26	12	5700	3250	18500	24000	0,022
3000 2RS	-	10	26	12	5700	3250	18500	-	0,022
3001 ZZ	-	12	28	12	6200	3750	17500	22800	0,025
3001 2RS	-	12	28	12	6200	3750	17500	-	0,025
3002 ZZ	-	15	32	13	8600	5400	14500	18800	0,036
3002 2RS	-	15	32	13	8600	5400	14500	-	0,036
3003 ZZ	-	17	35	14	9200	6200	12500	16200	0,042
3003 2RS	-	17	35	14	9200	6200	12500	-	0,042
3004 ZZ	-	20	42	16	14500	9600	11000	14300	0,080
3004 2RS	-	20	42	16	14500	9600	11000	-	0,080
3005 ZZ	-	25	47	16	15500	11100	9500	12400	0,100
3005 2RS	-	25	47	16	15500	11100	9500	-	0,100
3006 ZZ	-	30	55	19	20300	15600	8000	10400	0,160
3006 2RS	-	30	55	19	20300	15600	8000	-	0,160
3007 ZZ	-	35	62	20	24500	21400	6600	8600	0,200
3007 2RS	-	35	62	20	24500	21400	6600	-	0,200
3008 ZZ	-	40	68	21	25500	21700	6300	8200	0,250
3008 2RS	-	40	68	21	25500	21700	6300	-	0,250
3200	3056200	10	30	14	7410	4300	16000	22000	0,051
3200 ZZ	3056200 ZZ	10	30	14	7410	4300	16000	22000	0,051
3200 2RS	3056200 2RS	10	30	14	7410	4300	16000	-	0,051
3201	3056201	12	32	15,9	10100	5600	15000	20000	0,058
3201 ZZ	3056201 ZZ	12	32	15,9	10100	5600	15000	20000	0,058
3201 2RS	3056201 2RS	12	32	15,9	10100	5600	15000	-	0,058
3202	3056202	15	35	15,9	11200	6800	12000	17000	0,066
3202 ZZ	3056202 ZZ	15	35	15,9	11200	6800	12000	17000	0,066
3202 2RS	3056202 2RS	15	35	15,9	11200	6800	12000	-	0,066
3203	3056203	17	40	17,5	14000	8650	10000	15000	0,096
3203 ZZ	3056203 ZZ	17	40	17,5	14000	8650	10000	15000	0,096
3203 2RS	3056203 2RS	17	40	17,5	14000	8650	10000	-	0,096
3204	3056204	20	47	20,6	18600	12000	9000	13000	0,160
3204 ZZ	3056204 ZZ	20	47	20,6	18600	12000	9000	13000	0,160
3204 2RS	3056204 2RS	20	47	20,6	18600	12000	9000	-	0,160
3205	3056205	25	52	20,6	20300	14000	8000	11000	0,180
3205 ZZ	3056205 ZZ	25	52	20,6	20300	14000	8000	11000	0,180
3205 2RS	3056205 2RS	25	52	20,6	20300	14000	8000	-	0,180
3206	3056206	30	62	23,8	28100	20000	7000	9500	0,290
3206 2RS	3056206 2RS	30	62	23,8	28100	20000	7000	-	0,290
3206 ZZ	3056206 ZZ	30	62	23,8	28100	20000	7000	-	0,290

ISO	GOST	Dimensions (mm)			Basic Load Ratings (N)		Limiting speed (r/min)		Weight (kg)
		d	D	B	Dyn. C	Stat. C ₀	Lubrication		
							Grease	Oil	
3207	3056207	35	72	27	37100	27500	6000	8000	0,440
3207 ZZ	3056207 ZZ	35	72	27	37100	27500	6000	8000	0,440
3207 2RS	3056207 2RS	35	72	27	37100	27500	6000	-	0,440
3208	3056208	40	80	30,2	44900	33500	5600	7500	0,590
3208 ZZ	3056208 ZZ	40	80	30,2	44900	33500	5600	7500	0,590
3208 2RS	3056208 2RS	40	80	30,2	44900	33500	5600	-	0,590
3209	3056209	45	85	30,2	47500	38000	5000	6700	0,630
3209 ZZ	3056209 ZZ	45	85	30,2	47500	38000	5000	6700	0,630
3209 2RS	3056209 2RS	45	85	30,2	47500	38000	5000	-	0,630
3210	3056210	50	90	30,2	47500	39000	4800	6300	0,660
3210 ZZ	3056210 ZZ	50	90	30,2	47500	39000	4800	6300	0,660
3210 2RS	3056210 2RS	50	90	30,2	47500	39000	4800	-	0,660
3211	3056211	55	100	33,3	57200	67000	4300	5600	1,050
3211 ZZ	3056211 ZZ	55	100	33,3	57200	67000	4300	5600	1,050
3211 2RS	3056211 2RS	55	100	33,3	57200	67000	4300	-	1,050
3212	3056212	60	110	36,5	72100	85000	3800	5000	1,400
3212 ZZ	3056212 ZZ	60	110	36,5	72100	85000	3800	5000	1,400
3212 2RS	3056212 2RS	60	110	36,5	72100	85000	3800	-	1,400
3213	3056213	65	120	38,1	78100	95000	3600	4800	1,750
3213 ZZ	3056213 ZZ	65	120	38,1	78100	95000	3600	4800	1,750
3213 2RS	3056213 2RS	65	120	38,1	78100	95000	3600	-	1,750
3214	3056214	70	125	39,7	95000	83000	2900	3600	1,850
3214 ZZ	3056214 ZZ	70	125	39,7	95000	83000	2900	3600	1,850
3214 2RS	3056214 2RS	70	125	39,7	95000	83000	2900	-	1,850
3215	3056215	75	130	41,3	95000	84000	2900	3600	2,100
3215 ZZ	3056215 ZZ	75	130	41,3	95000	84000	2900	3600	2,100
3215 2RS	3056215 2RS	75	130	41,3	95000	84000	2900	-	2,100
3216	3056216	80	140	44,4	109000	102000	2500	3100	2,650
3216 ZZ	3056216 ZZ	80	140	44,4	109000	102000	2500	3100	2,650
3216 2RS	3056216 2RS	80	140	44,4	109000	102000	2500	-	2,650
3217	3056217	85	150	49,2	129000	117000	2300	2800	3,400
3217 ZZ	3056217 ZZ	85	150	49,2	129000	117000	2300	2800	3,400
3217 2RS	3056217 2RS	85	150	49,2	129000	117000	2300	-	3,400
3218	3056218	90	160	52,4	142000	142000	2200	2650	4,150
3218 ZZ	3056218 ZZ	90	160	52,4	142000	142000	2200	2650	4,150
3218 2RS	3056218 2RS	90	160	52,4	142000	142000	2200	-	4,150
3219	3056219	95	170	55,6	147000	142000	2000	2400	5,000
3220	3056220	100	180	60,3	187000	175000	2000	2400	5,500
3220 ZZ	3056220 ZZ	100	180	60,3	187000	175000	2000	2400	5,500
3220 2RS	3056220 2RS	100	180	60,3	187000	175000	2000	-	5,500
3222	3056222	110	200	69,8	190000	180000	1900	2400	8,800
3222 ZZ	3056222 ZZ	110	200	69,8	190000	180000	1900	2400	8,800
3222 2RS	3056222 2RS	110	200	69,8	190000	180000	1900	-	8,800
3302	3056302	15	42	19	15100	9150	10000	15000	0,130
3302 ZZ	3056302 ZZ	15	42	19	15100	9150	10000	15000	0,130
3302 2RS	3056302 2RS	15	42	19	15100	9150	10000	-	0,130
3303	3056303	17	47	22,2	21200	12500	9500	14000	0,180
3303 ZZ	3056303 ZZ	17	47	22,2	21200	12500	9500	14000	0,180
3303 2RS	3056303 2RS	17	47	22,2	21200	12500	9500	-	0,180
3304	3056304	20	52	22,2	22100	14300	8500	12000	0,220
3304 ZZ	3056304 ZZ	20	52	22,2	22100	14300	8500	12000	0,220
3304 2RS	3056304 2RS	20	52	22,2	22100	14300	8500	-	0,220
3305	3056305	25	62	25,4	31200	20800	7500	10000	0,350
3305 ZZ	3056305 ZZ	25	62	25,4	31200	20800	7500	10000	0,350
3305 2RS	3056305 2RS	25	62	25,4	31200	20800	7500	-	0,350
3306	3056306	30	72	30,2	41000	28500	6300	8500	0,530
3306 ZZ	3056306 ZZ	30	72	30,2	41000	28500	6300	8500	0,530
3306 2RS	3056306 2RS	30	72	30,2	41000	28500	6300	-	0,530
3307	3056307	35	80	34,9	48800	34000	5600	7500	0,730

ISO	GOST	Dimensions (mm)			Basic Load Ratings (N)		Limiting speed (r/min)		Weight (kg)
							Lubrication		
		d	D	B	Dyn. C	Stat. C ₀	Grease	Oil	
3307 ZZ	3056307 ZZ	35	80	34,9	48800	34000	5600	7500	0,730
3307 2RS	3056307 2RS	35	80	34,9	48800	34000	5600	-	0,730
3308	3056308	40	90	36,5	56200	43000	5000	6700	0,950
3308 ZZ	3056308 ZZ	40	90	36,5	56200	43000	5000	6700	0,950
3308 2RS	3056308 2RS	40	90	36,5	56200	43000	5000	-	0,950
3309	3056309	45	100	39,7	72100	73500	4500	6000	1,400
3309 ZZ	3056309 ZZ	45	100	39,7	72100	73500	4500	6000	1,400
3309 2RS	3056309 2RS	45	100	39,7	72100	73500	4500	-	1,400
3310	3056310	50	110	44,4	88000	96500	4000	8300	1,950
3310 ZZ	3056310 ZZ	50	110	44,4	88000	96500	4000	8300	1,950
3310 2RS	3056310 2RS	50	110	44,4	88000	96500	4000	-	1,950
3311	3056311	55	120	49,2	95200	108000	3800	5000	2,550
3311 ZZ	3056311 ZZ	55	120	49,2	95200	108000	3800	5000	2,550
3311 2RS	3056311 2RS	55	120	49,2	95200	108000	3800	-	2,550
3312	3056312	60	130	54	112000	127000	3400	4500	3,250
3312 ZZ	3056312 ZZ	60	130	54	112000	127000	3400	4500	3,250
3312 2RS	3056312 2RS	60	130	54	112000	127000	3400	-	3,250
3313	3056313	65	140	58,7	160000	126000	2700	3400	4,000
3313 ZZ	3056313 ZZ	65	140	58,7	160000	126000	2700	3400	4,000
3313 2RS	3056313 2RS	65	140	58,7	160000	126000	2700	-	4,000
3313 B	3086313	65	140	58,7	160000	126000	2700	-	4,000
3314	3056314	70	150	63,5	161000	130000	2500	3100	4,900
3314 ZZ	3056314 ZZ	70	150	63,5	161000	130000	2500	3100	4,900
3314 2RS	3056314 2RS	70	150	63,5	161000	130000	2500	-	4,900
3315	3056315	75	160	68,3	187000	160000	2400	3000	5,700
3315 ZZ	3056315 ZZ	75	160	68,3	187000	160000	2400	3000	5,700
3315 2RS	3056315 2RS	75	160	68,3	187000	160000	2400	-	5,700
3316	3056316	80	170	68,3	198000	179000	2300	2800	6,950
3316 ZZ	3056316 ZZ	80	170	68,3	198000	179000	2300	2800	6,950
3316 2RS	3056316 2RS	80	170	68,3	198000	179000	2300	-	6,950
3317	3056317	85	180	73	194000	185000	2200	3200	8,300
3317 ZZ	3056317 ZZ	85	180	73	194000	185000	2200	3200	8,300
3317 2RS	3056317 2RS	85	180	73	194000	185000	2200	-	8,300
3318	3056318	90	190	73	220000	220000	2000	3000	9,250
3318 2RS	3056318 2RS	90	190	73	220000	220000	2000	-	9,250
3319	3056319	95	200	77,8	238000	315000	1900	2800	11,00
3319 2RS	3056319 2RS	95	200	77,8	238000	315000	1900	-	11,00
3320	3056320	100	215	82,6	255000	355000	1800	2600	12,50
3320 2RS	3056320 2RS	100	215	82,6	255000	355000	1800	-	12,50
3322	3056322	110	240	92,1	292000	425000	1700	2400	19,00

ISO	Dimensions (mm)			Basic Load Ratings (N)		Limiting speed (r/min)		Weight (kg)
						Lubrication		
	d	D	B	Dyn. C	Stat. C ₀	Grease	Oil	
3800 ZZ	10	19	7	2100	1400	22500	29200	0,008
3800 2RS	10	19	7	2100	1400	22500	-	0,008
3801 ZZ	12	21	7	2190	1550	20000	26000	0,008
3801 2RS	12	21	7	2190	1550	20000	-	0,008
3802 ZZ	15	24	7	2430	1960	17500	22800	0,009
3802 2RS	15	24	7	2430	1960	17500	-	0,009
3803 ZZ	17	26	7	2480	2080	15000	19500	0,015
3803 2RS	17	26	7	2480	2080	15000	-	0,015
3804 ZZ	20	32	10	5600	4850	13000	16900	0,020
3804 2RS	20	32	10	5600	4850	13000	-	0,020
3805 ZZ	25	37	10	6000	5600	11500	15000	0,025
3805 2RS	25	37	10	6000	5600	11500	-	0,025
3806 ZZ	30	42	10	6300	6100	10000	13000	0,030
3806 2RS	30	42	10	6300	6100	10000	-	0,030
3807 ZZ	35	47	10	6700	7000	8500	11000	0,035
3807 2RS	35	47	10	6700	7000	8500	-	0,035
3808 ZZ	40	52	10	7000	7800	7000	9100	0,040
3808 2RS	40	52	10	7000	7800	7000	-	0,040
3809 ZZ	45	58	10	7200	8300	6500	8400	0,053
3809 2RS	45	58	10	7200	8300	6500	-	0,053
3810 ZZ	50	65	12	8700	10400	6000	7800	0,070
3810 2RS	50	65	12	8700	10400	6000	-	0,070
3811 ZZ	55	72	13	12100	15700	5500	7200	0,090
3811 2RS	55	72	13	12100	15700	5500	-	0,090
3812 ZZ	60	78	14	14500	17500	5000	6500	0,140
3812 2RS	60	78	14	14500	17500	5000	-	0,140
3814 ZZ	70	90	15	19200	23800	4400	5700	0,190
3814 2RS	70	90	15	19200	23800	4400	-	0,190
3816 ZZ	80	100	15	19600	25500	4000	5200	0,230
3816 2RS	80	100	15	19600	25500	4000	-	0,230
3818 ZZ	90	115	19	27000	35500	3300	4700	0,457
3818 2RS	90	115	19	27000	35500	3300	-	0,457
3820 2RS	100	125	19	28000	39000	3100	-	0,500