

# METRIC STAINLESS STEEL MINIATURE BALL BEARINGS



Material: Inner Ring, Outer Rings and Balls - Stainless AISI420C

Material: Cage AISI304 or AISI420

Seals: NBR Rubber / Shields: AISI420

Part Number	Bore (mm)	Outer (mm)	Width (mm)	Load Rating (N)		Limiting Speed (rpm)		Weight (kg)
				dynamic	static	grease	oil	
SS681X-ZZ	1.5	4	2	78	23	100000	120000	0.001
SS682	2	5	1.5	118	35	85000	100000	0.001
SS682-ZZ	2	5	2.3	118	35	85000	100000	0.001
SSMR52-ZZ	2	5	2.5	118	35	85000	100000	0.001
SS692	2	6	2.3	231	69	75000	90000	0.001
SSMR62	2	6	2.5	231	69	75000	90000	0.001
SSMR62-ZZ	2	6	2.5	231	69	75000	90000	0.001
SS692-ZZ	2	6	3	231	69	75000	90000	0.001
SSMR82X	2.5	8	2.5	391	126	60000	67000	0.001
SSMR63	3	6	2	146	52	71000	80000	0.001
SSMR63-ZZ	3	6	2.5	146	52	71000	80000	0.001
SS683	3	7	2	218	78	63000	75000	0.001
SS683-ZZ	3	7	3	218	78	63000	75000	0.001
SS683-2RS	3	7	3	218	78	63000	75000	0.001
SS693	3	8	3	391	126	60000	67000	0.001
SSMR83-ZZ	3	8	3	277	99	60000	67000	0.001

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				dynamic	static	grease	oil	
SS693-ZZ	3	8	4	391	126	60000	67000	0.001
SSMR93-ZZ	3	9	4	400	132	56000	67000	0.002
SS603-ZZ	3	9	5	400	132	56000	67000	0.002
SS623-ZZ	3	10	4	442	153	50000	60000	0.002
SS623-2RS	3	10	4	442	153	50000	60000	0.002
SS633-ZZ	3	13	5	911	342	40000	48000	0.004
SSMR74	4	7	2	179	76	60000	67000	0.001
SSMR74-ZZ	4	7	2.5	179	76	60000	67000	0.001
SSMR84	4	8	2	277	99	56000	67000	0.001
SSMR84-ZZ	4	8	3	277	99	56000	67000	0.002
SS684	4	9	2.5	449	159	53000	63000	0.002
SS684-ZZ	4	9	4	449	159	53000	63000	0.002
SS684-2RS	4	9	4	449	159	53000	63000	0.002
SSMR104	4	10	3	498	190	48000	56000	0.002
SSMR104-ZZ	4	10	4	498	190	48000	56000	0.002
SS694	4	11	4	670	245	48000	56000	0.002

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				dynamic	static	grease	oil	
SS694-ZZ	4	11	4	670	245	48000	56000	0.002
SS694-2RS	4	11	4	670	245	48000	56000	0.002
SS604-ZZ	4	12	4	670	245	48000	56000	0.003
SS604-2RS	4	12	4	670	245	48000	56000	0.003
SS624	4	13	5	911	342	40000	48000	0.004
SS624-ZZ	4	13	5	911	342	40000	48000	0.004
SS624-2RS	4	13	5	911	342	40000	48000	0.004
SS634-ZZ	4	16	5	938	366	36000	43000	0.006
SS634-2RS	4	16	5	938	366	36000	43000	0.006
SSMR85	5	8	2	153	63	53000	63000	0.001
SSMR85-ZZ	5	8	2.5	153	63	53000	63000	0.001
SSMR95	5	9	2.5	302	118	50000	60000	0.001
SSMR95-ZZ	5	9	3	302	118	50000	60000	0.001
SSMR105-ZZ	5	10	4	302	118	50000	60000	0.002
SS685	5	11	3	501	197	45000	53000	0.002
SSMR115-ZZ	5	11	4	501	197	45000	53000	0.001

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				dynamic	static	grease	oil	
SS685-ZZ	5	11	5	501	197	45000	53000	0.002
SS685-2RS	5	11	5	501	197	45000	53000	0.002
SS695	5	13	4	754	302	43000	50000	0.003
SS695-ZZ	5	13	4	754	302	43000	50000	0.003
SS695-2RS	5	13	4	754	302	43000	50000	0.003
SS605-ZZ	5	14	5	930	355	40000	50000	0.005
SS605-2RS	5	14	5	930	355	40000	50000	0.005
SS625	5	16	5	1210	473	36000	43000	0.006
SS625-ZZ	5	16	5	1210	473	36000	43000	0.006
SS625-2RS	5	16	5	1210	473	36000	43000	0.006
SS635-ZZ	5	19	6	1635	627	32000	40000	0.008
SS635-2RS	5	19	6	1635	627	32000	40000	0.008
SSMR106	6	10	2.5	347	153	45000	53000	0.001
SSMR106-ZZ	6	10	3	347	153	45000	53000	0.001
SSMR126	6	12	3	501	207	43000	50000	0.002
SSMR126-ZZ	6	12	4	501	207	43000	50000	0.002

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Part Number	Bore (mm)	Outer (mm)	Width (mm)	Load Rating (N)		Limiting Speed (rpm)		Weight (kg)
				dynamic	static	grease	oil	
SS686	6	13	3.5	757	309	40000	50000	0.003
SS686-ZZ	6	13	5	757	309	40000	50000	0.004
SS686-2RS	6	13	5	757	309	40000	50000	0.004
SS696-2RS	6	15	5	938	366	40000	45000	0.004
SS696-ZZ	6	15	5	938	366	40000	45000	0.004
SS696A	6	16	5	938	366	40000	45000	0.007
SS696A-2RS	6	16	5	938	366	40000	45000	0.007
SS696A-ZZ	6	16	5	938	366	40000	45000	0.007
SS606-ZZ	6	17	6	1584	592	38000	45000	0.007
SS606-2RS	6	17	6	1584	592	38000	45000	0.007
SS626	6	19	6	1635	627	32000	40000	0.008
SS626-ZZ	6	19	6	1635	627	32000	40000	0.008
SS626-2RS	6	19	6	1635	627	32000	40000	0.008
SS636-ZZ	6	22	7	2333	996	30000	36000	0.005
SS636-2RS	6	22	7	2333	996	30000	36000	0.005
SSMR117-ZZ	7	11	3	319	141	43000	50000	0.001

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Part Number	Bore (mm)	Outer (mm)	Width (mm)	Load Rating (N)		Limiting Speed (rpm)		Weight (kg)
				dynamic	static	grease	oil	
SSMR137-ZZ	7	13	4	379	193	40000	48000	0.003
SS687	7	14	3.5	821	359	40000	50000	0.004
SS687-ZZ	7	14	5	821	359	40000	50000	0.004
SS687-2RS	7	14	5	821	359	40000	50000	0.004
SS697-ZZ	7	17	5	1124	503	36000	43000	0.006
SS697-2RS	7	17	5	1124	503	36000	43000	0.006
SS607	7	19	6	1635	627	36000	43000	0.008
SS607-ZZ	7	19	6	1635	627	36000	43000	0.008
SS607-2RS	7	19	6	1635	627	36000	43000	0.008
SS627	7	22	7	2301	965	30000	36000	0.014
SS627-ZZ	7	22	7	2301	965	30000	36000	0.014
SS627-2RS	7	22	7	2301	965	30000	36000	0.014
SSMR128	8	12	2.5	380	192	40000	48000	0.001
SSMR128-ZZ	8	12	3.5	380	192	40000	48000	0.002
SSMR128-2RS	8	12	3.5	380	192	40000	48000	0.002
SSMR148-ZZ	8	14	4	572	270	38000	45000	0.003

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Part Number	Bore (mm)	Outer (mm)	Width (mm)	Load Rating (N)		Limiting Speed (rpm)		Weight (kg)
				dynamic	static	grease	oil	
SS688	8	16	4	876	414	36000	43000	0.004
SS688-ZZW4	8	16	4	876	414	36000	43000	0.004
SS688-2RSW4	8	16	4	876	414	36000	43000	0.004
SS688-ZZ	8	16	5	876	414	36000	43000	0.004
SS688W6	8	16	6	876	414	36000	43000	0.005
SS688-ZZW6	8	16	6	876	414	36000	43000	0.005
SS698-ZZ	8	19	6	1566	642	36000	43000	0.008
SS698-2RS	8	19	6	1566	642	36000	43000	0.008
SS608	8	22	7	2305	965	34000	40000	0.014
SS608-ZZ	8	22	7	2305	965	34000	40000	0.014
SS608-2RS	8	22	7	2305	965	34000	40000	0.014
SS628-ZZ	8	24	8	2333	996	28000	34000	0.018
SS628-2RS	8	24	8	2333	996	28000	34000	0.018
SS689	9	17	4	929	468	36000	43000	0.005
SS689-ZZ	9	17	5	929	468	36000	43000	0.005
SS689-2RS	9	17	5	929	468	36000	43000	0.005

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				dynamic	static	grease	oil	
SS699-ZZ	9	20	6	1727	757	34000	40000	0.008
SS699-2RS	9	20	6	1727	757	34000	40000	0.008
SS609	9	24	7	2349	1011	32000	38000	0.016
SS609-ZZ	9	24	7	2349	1011	32000	38000	0.016
SS609-2RS	9	24	7	2349	1011	32000	38000	0.016
SS629-ZZ	9	26	8	3203	1388	28000	34000	0.022
SS629-2RS	9	26	8	3203	1388	28000	34000	0.022