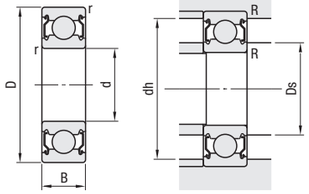
304 Stainless Steel
Water & Heat Resistant Type

304 Stainless Steel – Water & Heat Resistant Type

RoHS 10

SUB6_ _ _ZZ

Installation Diagram



Operating Temperature: -40 – +150°C

ⓘ 304 Stainless Steel may be slightly magnetized after machining.

Components	Material
Inner / Outer Ring, Shield Retainer, Ball	304 Stainless Steel

kgf=Nx0.101972

Part Number	d	Tolerance	D	Tolerance	B	Tolerance	r (min)	Basic Load Rating Cr (Dynamic) N	Basic Load Rating Cor (Static) N	Allowable Rotational Speed rpm (Reference)	Relative Dimensions Ds (min)	Ds (max.)	dh (max.)	R (max.)	Mass(g) (Reference)
SUB626ZZ	6	+0.05 0	19	0 -0.03	6	0 -0.12	0.3	52	32	2100	8	10	17	0.3	8.2
SUB608ZZ	8		22		7			66	41	2000	10	11.5	20		12
SUB628ZZ			24		8			67	42	1900		12	22		18
SUB6000ZZ	10		26					91	59	1800	12	13.5	24		19
SUB6200ZZ			30		9		0.6	102	72	1500	14	16	26	0.6	32
SUB6001ZZ	12		28		8		0.3			1500				0.3	21
SUB6201ZZ			32	0 -0.035	10		0.6	136	92	1500	16	17	28	0.6	37
SUB6002ZZ	15				9		0.3	112	85	1300	17	19	30		30
SUB6202ZZ			35		11		0.6	153	113	1300	19	20	31		46
SUB6003ZZ	17				10		0.3	120	98	1200		21	33		41
SUB6203ZZ			40		12		0.6	192	144	1100	21	22	36		66
SUB6004ZZ	20		42		12			188	152	1000	24	25	38		68
SUB6204ZZ			47		14		1.0	256	200	900	25	27	42	1.0	105

ⓘ Some bearings may not be suitable for a certain concentration, temperature or application variables.

Non-Grease & Non-Oil Ball Bearings for Special Environment

Non-Grease & Non-Oil Ball Bearings for Special Environment

RoHS 10

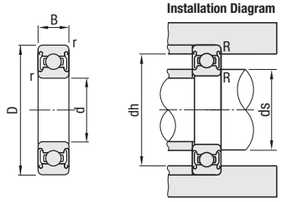
Clean Type
SE6__ZZPR
SE600_ZZPR
SE620_ZZPR

Vacuum
3NC600_ZZST

Highly Corrosion Resistant
3NC600_ZZMD

ⓘ The 304 Stainless Steel specification has a large radial internal clearance due to machining accuracy.

Installation Diagram



Bearing Accuracy: JIS B 1514 Class 0
Bearing Internal Clearance: C3
Operating Temperature: -100 – +200°C
Operating Vacuum Level: 10^{-5} Pa

Type	Inner & Outer Ring Material	Inner & Outer Ring Hardness	Shield Material	Rolling Element Material	Retainer Material
SE__ZZPR	440C Stainless Steel (Special Fluoro Macromolecule Coating)	60 HRC	304 Stainless Steel	440C Stainless Steel (Special Fluoro Macromolecule Coating)	304 Stainless Steel (Special Fluoro Macromolecule Coating)
3ND__ZZST	440C Stainless Steel			Ceramics (Silicon Nitride)	Fluoropolymer
3NC__ZZMD	630 Stainless Steel	40 HRC			

kgf=Nx0.101972

Part Number: Clean Type	Part Number: Vacuum Type	Part Number: Highly Corrosion Resistant Type	d	D	B	r (min)	Allowable Radial Load N: SE6 Type	Allowable Radial Load N: 3NC Type	Allowable Rotational Speed rpm (Reference)	Relative Dimensions Ds (min.)	Ds (max.)	dh (max.)	R (max.)	Mass(g): SE_ZZPR	Mass(g): 3NC_ZZST	Mass(g): 3NC_ZZMD
SE624ZZPR	—	—	4	13	5	0.2	40	—	1000	5.6	6.9	11.4	0.2	2.93	—	—
SE626ZZPR	—	—	6	19	6	0.3	80	—	1000	8	10.6	17	0.3	7.90	—	—
SE608ZZPR	—	—	8	22	7	0.3	100	—	1000	10	12.4	20	0.3	11.81	—	—
SE6000ZZPR	3NC6000ZZST	3NC6000ZZMD	10	26	8	0.3	135	35	1000	12	13	24	0.3	19	16	17
SE6200ZZPR	—	—		30	9	0.6	155	50	860	14	15	26	0.6	32	—	—
SE6001ZZPR	3NC6001ZZST	3NC6001ZZMD	12	28	8	0.3	155	40	830	14	15	26	0.3	20	17	18
SE6201ZZPR	—	—		32	10	0.6	205	70	770	16	16.5	28	0.6	36	—	—
SE6002ZZPR	3NC6002ZZST	3NC6002ZZMD	15	32	9	0.3	170	45	660	17	18.5	30	0.3	30	26	27
SE6202ZZPR	—	—		35	11	0.6	230	75	610	19	19.5	31	0.6	44	—	—
SE6004ZZPR	3NC6004ZZST	—	20	42	12	0.6	280	70	500	24	25	38	0.3	63	56	—
SE6204ZZPR	—	—		47	14	1.0	385	130	450	25	26.5	42	0.6	105	—	—

ⓘ Priority is given to the life of solid lubricant (Fluoro Plastic Retainer). Use within the allowable load range.
ⓘ Allowable Rotational Speed is based on 1/2 of Allowable Load.

Part Number Example

Part Number
SUB6000ZZ
3NC6000ZZST

Performance Comparison of Bearings for Special Environments

Part Number	Inner / Outer Ring	Shield	Rolling Element	Retainer	Low Particulate Generation	Abrasion Resistance	Corrosion & Chemical Resistance: Acid: Hydrochloric Acid	Acid: Sulfuric Acid	Acid: Nitric Acid	Alkali	Solvent	Seawater	Water	Heat Resistance	Vacuum	Insulation	Non-Magnetic	High Load	High Speed
SE6_ _ _ZZPR	440C SS (Special Fluoro Macromolecule Coating)	304 SS	440C SS (Special Fluoro Macromolecule Coating)	304 SS (Special Fluoro Macromolecule Coating)	E	P	P	P	P	P	P	P	P	E (-100–200°C)	E	P	P	A	P
3NC6_ _ _ZZST	440C SS	304 SS	Ceramics	Fluoropolymer	G	P	A	G	G	G	G	G	E	E (-100–200°C)	E	E	P	P	P
3NC6_ _ _ZZMD	630 SS	304 SS	Ceramics	Fluoropolymer	G	P	G	E	E	E	E	E	E	E (-100–200°C)	E	E	A	P	P
SUB6_ _ _ZZ	304 SS	304 SS	304 SS	304 SS	P	A	G	E	E	E	E	E	E	G (-40–150°C)	P	P	G	P	P

ⓘ P = Poor, A = Acceptable, G = Good, E = Excellent
SS= Stainless Steel