


304 Stainless Steel

Water & Heat Resistant Type

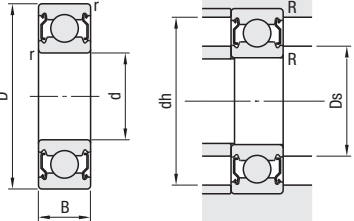
304 Stainless Steel – Water & Heat Resistant Type



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		Allowable Rotational Speed rpm (Reference)	Relative Dimensions				Mass(g) (Reference)
								Cr (Dynamic) N	Cor (Static) N		Ds		dh (max.)	R (max.)	
											(min)	(max.)			
SUB626ZZ	6		19		6		0.3	52	32	2100	8	10	17	0.3	8.2
SUB608ZZ	8		22		7		0.3	66	41	2000	10	11.5	20	0.3	12
SUB628ZZ	8		24	0 -0.03	8		0.3	67	42	1900	10	12	22	0.3	18
SUB600ZZ	10		26		8		0.3	91	59	1800	12	13.5	24	0.3	19
SUB6200ZZ	10		30		9		0.6	102	72	1500	14	16	26	0.6	32
SUB6001ZZ	12	+0.05 0	28		8		0.3	102	72	1500	14	16	26	0.3	21
SUB6201ZZ	12		32		10		0.6	136	92	1500	16	17	28	0.6	37
SUB6002ZZ	15		32		9		0.3	112	85	1300	17	19	30	0.3	30
SUB6202ZZ	15		35		11		0.6	153	113	1300	19	20	31	0.6	46
SUB6003ZZ	17		35	0 -0.035	10		0.3	120	98	1200	19	21	33	0.3	41
SUB6203ZZ	17		40		12		0.6	192	144	1100	21	22	36	0.6	66
SUB6004ZZ	20		42		12		0.6	188	152	1000	24	25	38	0.6	68
SUB6204ZZ	20		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



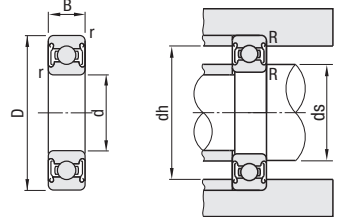
RoHS 10

Clean Type
SE6__ZZPR
SE600__ZZPR
SE620__ZZPR

Vacuum
3NC600__ZZST

Highly Corrosion Resistant
3NC600__ZZMD

Installation Diagram



Bearing Accuracy: JIS B 1514 Class 0
Bearing Internal Clearance: C3
Operating Temperature: -100 – +200°C
Operating Vacuum Level: 10⁻⁴ Pa

Type	Inner & Outer Ring		Shield	Rolling Element	Retainer
	Material	Hardness			
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	Vacuum Type	Highly Corrosion Resistant Type	d	D	B	r (min)	Allowable Radial Load N		Allowable Rotational Speed rpm (Reference)	Relative Dimensions				Mass(g)		
								SE6 Type	3NC Type		Ds (min.)	Ds (max.)	dh (max.)	R (max.)	SE_ZZPR	3NC_ZZST	3NC_ZZMD
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	—	—	
SE600ZZPR	3NC6000ZZST	3NC6000ZZMD	10	26	8	0.3	135	35	1000	12	13	24	0.3	19	16	17	
SE6200ZZPR	—	—	10	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	—	—	12	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	—	—	15	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	—	—	20	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							Heat Resistance	Vacuum	Insulation	Non-Magnetic	High Load	High Speed
							Acid			Alkali	Solvent	Seawater	Water						
							Hydrochloric Acid	Sulfuric Acid	Nitric Acid										
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	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 (-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 (-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	G (-40-150°C)	P	P	G	P	P	

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