
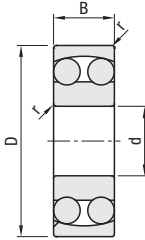
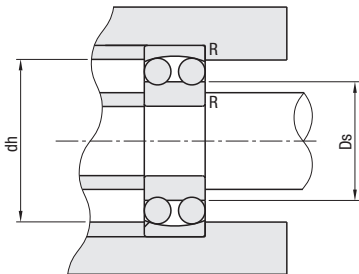


Self-Aligning Ball Bearings

■ **Features:** The self-aligning ability enables to tolerate mounting misalignment and deflection during rotation. Suitable for use with power transmission shafts that may sustain deflection.



B1□□□□

(Installation Diagram)

RoHS 10

Material: SUJ2
Accuracy Grade: JIS B 1514 Class 0

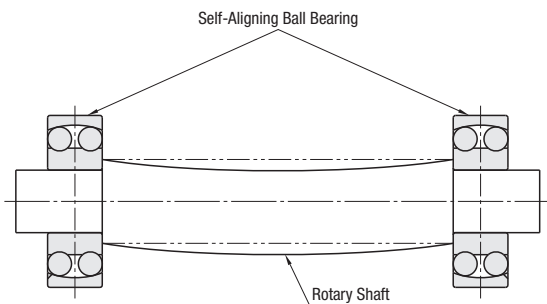
For details on the tolerance and allowable values of inner and outer rings, **P2243**

Part Number	d	D	B	r (min)	Basic Load Rating		Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)	Unit Price
					Cr (Dynamic) kN	Co (Static) kN		Ds (min)	dh (max)	R (max)		
B1200	10	30	9	0.6	5.55	1.19	22000	14.0	26.0	0.6	33	
B1300		35	11		7.35	1.62	20000		31.0		57	
B1201	12	32	10	1	5.70	1.27	22000	16.0	28.0	1	39	
B1301		37	12		9.65	2.16	18000		32.0		66	
B1202	15	35	11	0.6	7.6	1.75	18000	19.0	31.0	0.6	51	
B1302		42	13		9.7	2.29	16000		37.0		93	
B1203	17	40	12	0.6	8.00	2.01	16000	21.0	36.0	0.6	72	
B1303		47	14		12.7	3.20	14000		22.0		130	
B1204	20	47	14	1	10.0	2.61	14000	25.0	42.0	1	120	
B1304		52	15		12.6	3.35	12000				26.5	165

kgf=Nx0.101972

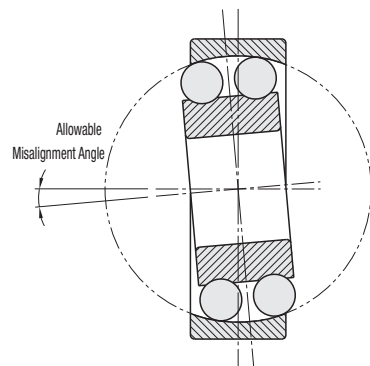
■ Design and Features

The outer ring raceway forms a spherical surface, whose center of curvature is common to the bearing center. Thus the inner ring, balls and cage are capable of freely revolving around the bearing center with self-aligning ability. Suitable for use with drive shafts, which tend to undergo deflection. This is also fit to use in a situation that alignment of a shaft and housing is difficult.



■ Allowable Misalignment Angle

Note : Allowable misalignment angle of Self-Aligning Ball Bearings is approx. 0.07 ~ 0.12 radian (4° ~ 7°) at normal load condition, however this degree of allowable misalignment may be limited by the abutment and fillet dimensions around the bearing.



Ordering
Example

Part Number
B1300