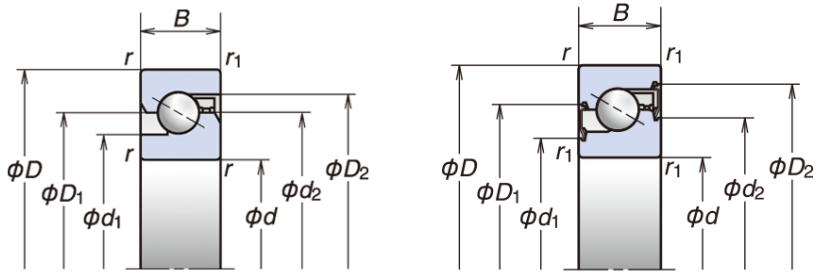
Bearing Numbers	Boundary Dimensions (mm) d	D	B	r (min.)	r_1 (min.)	Reference Dimensions (mm) d_1	d_2	D_1	D_2	Recommended Grease Quantities (cc/Bearing)	Contact Angle (Degree)	Limiting Speeds (min^{-1}) Grease	Oil	Mass (kg) (approx.)
50TAC100C	50	100	20	1	0.6	67.5	79	79	87.7	10.2	60	3000	3900	0.778

Preload(DB and DF) (N) H	Axial Rigidity(DB and DF) (N/μm) H	Starting torque(2) (DB and DF) (Nm)(approx.) H	Basic Dynamic Load Rating Ca (Classification by Fa Load Row Number) Single Row Load (kN)	Double Row Load (kN)	Triple Row Load (kN)	Limiting Axial load(1) (Classification by Fa Load Row Number) Single Row Load (kN)	Double Row Load (kN)	Triple Row Load (kN)	NSKHPS
4650	1410	0.42	66	107	142	104	208	310	NSKHPS



Note : (1) Permissible axial load equals 0.7 times of limiting axial load.
(2) Starting torque in the table shows starting torque in grease lubrication.
Starting torque in oil lubrication equals 1.4 times of the table.
Unconsidered effects of the contact seals.

Calculation of preload and axial rigidity for combination bearings

Preload, axial rigidity and starting torque can be odtained by multipling factors in table B.

Bearing Configulation	2rows DFD	DFF	3rows DFT	DFFD	DFFF	4rows DFTD	DFTT	5rows DFFT
Preload coefficient	1.36	2.00	1.57	2.42	3.00	1.72	2.72	1.83
Axial rigidity	1.49	2.00	1.89	2.51	3.00	2.24	2.97	2.57
Starting torque	1.35	2.00	1.55	2.41	3.00	1.68	2.71	1.77