

TK TYPE

– TOPBALL Metric Type –

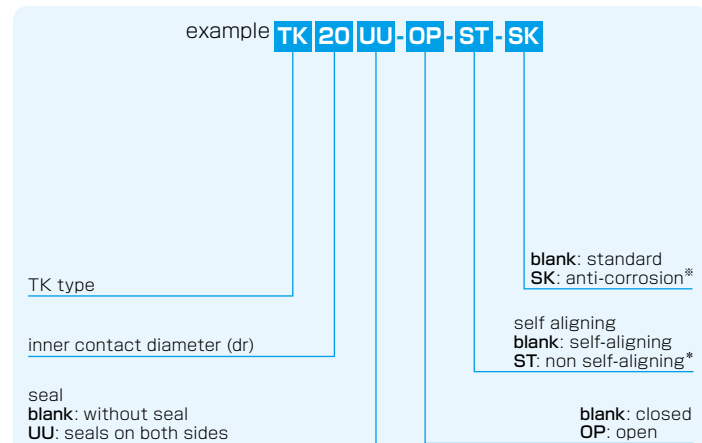


TK type

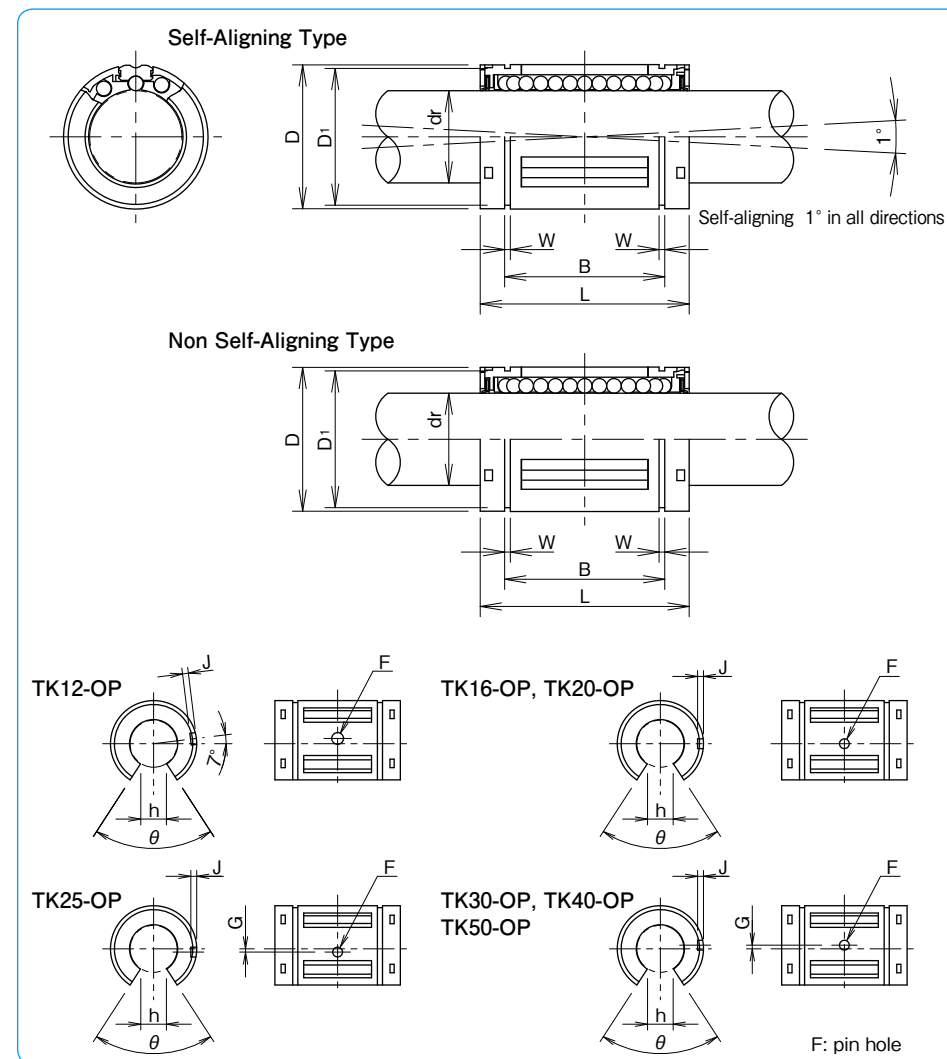


TK-OP type

part number structure



※For anti-corrosion the load plates are electroless nickel plated with stainless steel balls.
*ST option is available for size 12 to 40



part number		major dimensions									
closed type		open type		dr*		D		L			
number of ball circuits	mass g	number of ball circuits	mass g	mm	tolerance μm	mm	mm	mm	tolerance mm		
TK 8	4	7.2	—	—	—	8	16	25	±0.2		
TK10	5	13.9	—	—	—	10	19	29			
TK12	5	21	TK12-OP	4	17	12	22	32			
TK16	5	26	TK16-OP	4	35	16	26	36			
TK20	6	54	TK20-OP	5	48	20	32	45			
TK25	6	122	TK25-OP	5	103	25	40	58			
TK30	6	193	TK30-OP	5	177	30	47	68			
TK40	6	354	TK40-OP	5	275	40	62	80			
TK50	6	615	TK50-OP	5	520	50	75	100			

One-sided seal is also available. Please contact NB for details.
* Based on nominal housing bore

mm	B tolerance mm	W mm	D ₁ mm	h mm	θ	open type			basic load rating dynamic C N	static Co N	shaft diameter mm	
						F ^{H11} mm	G mm	J mm				
16.5	-0.2	1.1	15.2	—	—	—	—	—	423	534	8	
22.0		1.3	18	—	—	—	—	—	750	935	10	
22.9		1.3	21	6.5	66°	3	—	0.7	1,020	1,290	12	
24.9		1.3	24.9	9	68°		—	1.0	1,250	1,550	16	
31.5		1.6	30.3	9	55°		—	1.0	2,090	2,630	20	
44.1	1.85	37.5	11.5	57°	1.5		1.5	3,780	4,720	25		
52.1	0	1.85	44.5	14	57°		2	1.7	5,470	6,810	30	
60.6	-0.3	2.15	59	19.5	56°		1.5	2.4	6,590	8,230	40	
77.6		2.65	72	22.5	54°		5	2.5	2.7	10,800	13,500	50