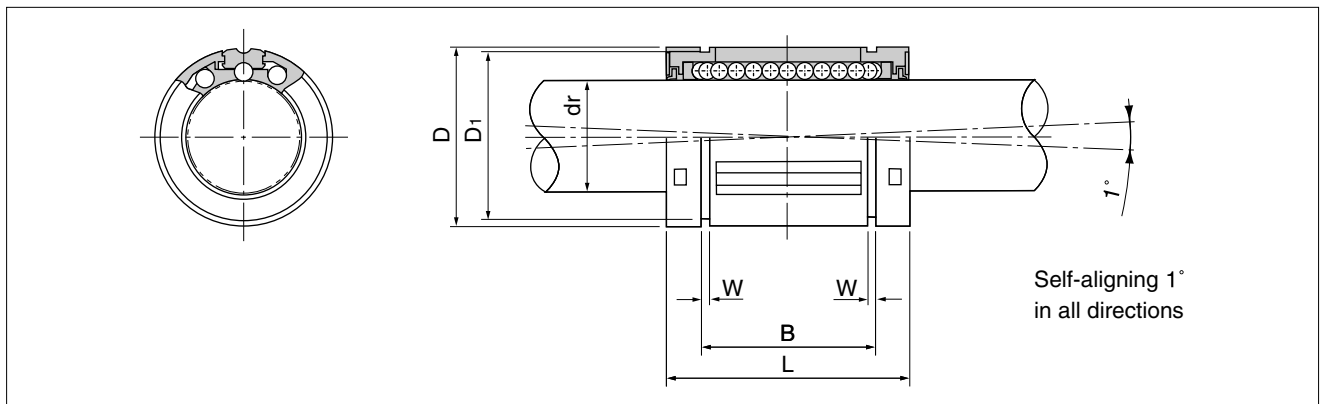
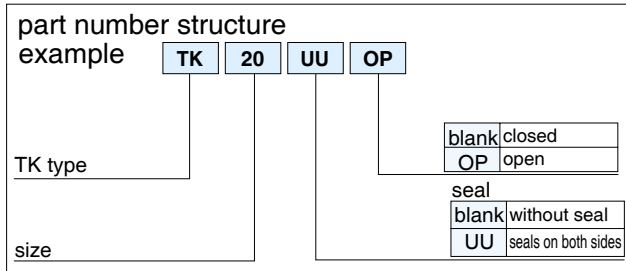


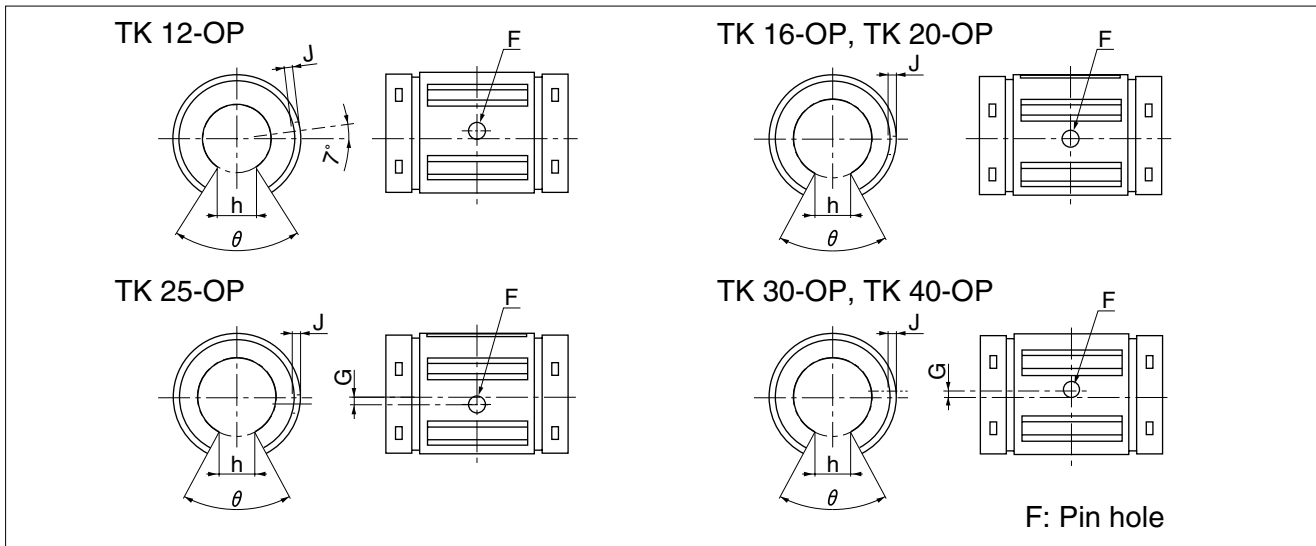
## TK TYPE

— TOPBALL Metric Type —



part number						dr	D	L	
closed type		open type		tolerance*	tolerance				
	no. of ball circuits	mass g		no. of ball circuits	mass g	mm	$\mu\text{m}$	mm	mm
<b>TK10</b>	5	14	—	—	—	10	+ 8	19	29
<b>TK12</b>	5	21	<b>TK12-OP</b>	4	17	12	0	22	32
<b>TK16</b>	5	43	<b>TK16-OP</b>	4	35	16	+ 9	26	36
<b>TK20</b>	6	58	<b>TK20-OP</b>	5	48	20	- 1	32	45
<b>TK25</b>	6	123	<b>TK25-OP</b>	5	103	25	+ 11	40	58
<b>TK30</b>	6	216	<b>TK30-OP</b>	5	177	30	- 1	47	68
<b>TK40</b>	6	333	<b>TK40-OP</b>	5	275	40	+ 13/- 2	62	80

\* Based on nominal housing bore



major dimensions									basic load rating		nominal shaft diameter mm	
B	tolerance	W	D <sub>1</sub>	open type					dynamic	static		
mm				mm	mm	h	θ	F <sup>H11</sup>	G	J		C
22.0	0 -0.2	1.3	18	—	—	3	—	—	—	750	935	10
22.9		1.3	21	6.5	66°		—	0.7	1020	1290	12	
24.9		1.3	24.9	9	68°		—	1.0	1250	1550	16	
31.5		1.6	30.3	9	55°		—	1.0	2090	2630	20	
44.1	0 -0.3	1.85	37.5	11.5	57°		1.5	1.5	3780	4720	25	
52.1		1.85	44.5	14	57°		2	2.2	5470	6810	30	
60.6		2.15	59	19.5	56°		1.5	2.7	6590	8230	40	

1N ≅ 0.102kgf