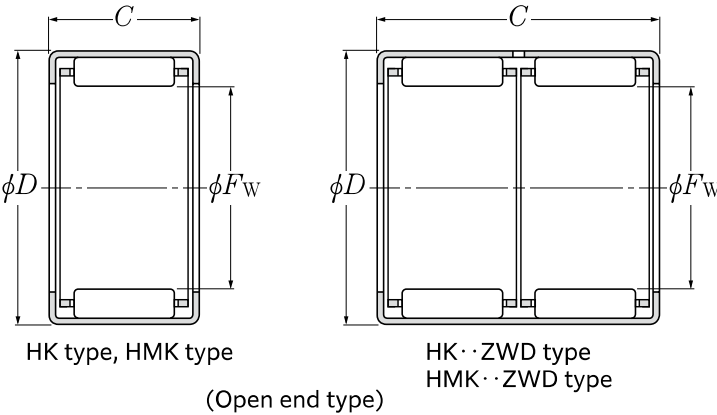


Drawn cup needle roller bearings

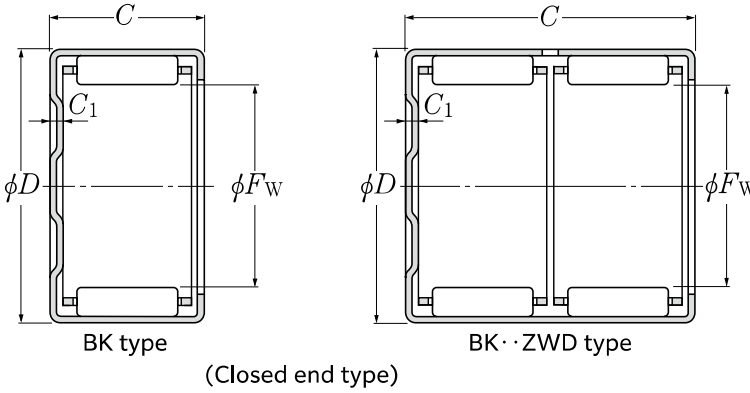
HK type, HK··ZWD type
HMK type, HMK··ZWD type
BK type, BK··ZWD type



F_w 25 ~ 30mm

Boundary dimensions mm				Basic load rating		Fatigue load limit N C _u	Allowable speed		Number		Mass	Applied inner ring ¹⁾ (approx.)
C C ₁				dynamic	static		min ⁻¹		Open end type	Closed end type	kg	
F _w	D	-0.2	Max.	C _r	C _{0r}		Grease lubrication	Oil lubrication			(approx.)	
25	32	38	—	35 000	65 500	8 000	6 500	9 500	HK2538ZWD	—	0.065	IR20×25×38.5
	32	38	2.7	35 000	65 500	8 000	6 500	9 500	—	BK2538ZWD	0.069	IR20×25×38.5
	33	10	—	9 150	10 400	1 270	6 500	9 500	HMK2510	—	0.019	IR20×25×12.5
	33	15	—	15 200	19 900	2 430	6 500	9 500	HMK2515CT	—	0.029	IR20×25×16
	33	20	—	21 200	30 500	3 750	6 500	9 500	HMK2520CT	—	0.039	IR20×25×20.5
	33	25	—	26 700	41 000	5 000	6 500	9 500	HMK2525F	—	0.048	IR20×25×26.5
	33	30	—	32 000	52 000	6 350	6 500	9 500	7E-HMK2530C	—	0.058	IR20×25×32
26	34	16	—	17 100	23 400	2 860	6 000	9 000	7E-HMK2616	—	0.032	IR22×26×20
	34	20	—	21 100	30 500	3 750	6 000	9 000	7E-HMK2620CT	—	0.040	—
28	35	16	—	16 700	26 400	3 200	5 500	8 500	HK2816CT	—	0.030	IR22×28×17
	35	16	2.7	16 700	26 400	3 200	5 500	8 500	—	BK2816CT	0.034	IR22×28×17
	35	20	—	21 300	36 000	4 400	5 500	8 500	HK2820	—	0.038	IR22×28×20.5
	35	20	2.7	21 300	36 000	4 400	5 500	8 500	—	BK2820	0.043	IR22×28×20.5
	37	20	—	23 600	32 500	4 000	5 500	8 500	HMK2820	—	0.049	IR22×28×20.5
	37	30	—	35 000	54 500	6 600	5 500	8 500	7E-HMK2830C	—	0.073	—
29	38	20	—	24 600	35 000	4 250	5 500	8 500	HMK2920	—	0.050	—
	38	30	—	34 500	54 000	6 600	5 500	8 500	HMK2930	—	0.075	—
30	37	12	—	12 300	18 200	2 220	5 500	8 000	HK3012CT	—	0.024	IR25×30×12.5
	37	12	2.7	12 300	18 200	2 220	5 500	8 000	—	BK3012CT	0.028	IR25×30×12.5
	37	16	—	18 100	30 000	3 650	5 500	8 000	7E-HK3016C	—	0.032	IR25×30×17
	37	16	2.7	18 100	30 000	3 650	5 500	8 000	—	BK3016CT	0.037	IR25×30×17
	37	20	—	22 300	39 500	4 800	5 500	8 000	HK3020F	—	0.040	IR25×30×20.5
	37	20	2.7	22 300	39 500	4 800	5 500	8 000	—	BK3020	0.047	IR25×30×20.5
	37	26	—	28 500	54 000	6 550	5 500	8 000	HK3026F	—	0.053	IR25×30×26.5
	37	26	2.7	28 500	54 000	6 550	5 500	8 000	—	7E-BK3026T	0.059	IR25×30×26.5
	37	38	—	38 500	78 500	9 600	5 500	8 000	HK3038ZWD	—	0.076	IR25×30×38.5
	37	38	2.7	38 500	78 500	9 600	5 500	8 000	—	BK3038ZWD	0.083	IR25×30×38.5
	40	13	—	14 100	17 100	2 090	5 500	8 000	HMK3013	—	0.040	IR25×30×16
	40	15	—	17 100	22 100	2 690	5 500	8 000	HMK3015	—	0.044	IR25×30×16
40	20	—	24 200	34 500	4 200	5 500	8 000	HMK3020	—	0.058	IR25×30×20.5	

1) If the bearing has an inner ring, the value indicates HK + IR.
Example: HK2820 + IR22 × 28 × 20.5



F_w 30 ~ 40mm

Boundary dimensions mm				Basic load rating		Fatigue load limit N C _u	Allowable speed		Number		Mass kg (approx.)	Applied inner ring ¹⁾ (approx.)
C C ₁			dynamic	static	min ⁻¹		Open end type	Closed end type				
F _w	D	-0.2 Max.	C _r	C _{0r}	Grease lubrication				Oil lubrication			
30	40	25	—	31 000	47 500	5 800	5 500	8 000	7E-HMK3025CT	—	0.073	IR25×30×26.5
	40	30	—	36 000	57 500	7 000	5 500	8 000	HMK3030	—	0.087	IR25×30×32
32	42	20	—	27 500	38 000	4 600	5 000	7 500	7E-HMK3220	—	0.062	—
	42	30	—	41 500	64 500	7 850	5 000	7 500	7E-HMK3230	—	0.092	—
35	42	12	—	13 300	21 300	2 600	4 700	7 000	HK3512CV2	—	0.028	—
	42	12	2.7	13 300	21 300	2 600	4 700	7 000	—	BK3512CT	0.033	—
	42	16	—	19 000	33 500	4 100	4 700	7 000	HK3516CT	—	0.037	—
	42	16	2.7	19 000	33 500	4 100	4 700	7 000	—	BK3516CT	0.044	—
	42	20	—	24 800	47 500	5 800	4 700	7 000	HK3520	—	0.046	—
	42	20	2.7	24 800	47 500	5 800	4 700	7 000	—	BK3520	0.055	—
	45	12	—	14 900	17 600	2 150	4 700	7 000	HMK3512	—	0.040	—
	45	15	—	20 200	26 200	3 200	4 700	7 000	HMK3515	—	0.050	—
	45	20	—	28 400	40 500	4 900	4 700	7 000	7E-HMK3520B	—	0.067	—
	45	25	—	36 000	54 500	6 650	4 700	7 000	HMK3525	—	0.083	—
	45	30	—	44 000	71 000	8 650	4 700	7 000	HMK3530CV1	—	0.100	—
37	47	20	—	29 300	43 000	5 250	4 300	6 500	HMK3720	—	0.070	—
	47	30	—	44 500	73 000	8 900	4 300	6 500	HMK3730	—	0.105	—
38	48	15	—	21 700	29 300	3 550	4 300	6 500	HMK3815	—	0.054	—
	48	20	—	30 500	45 000	5 500	4 300	6 500	HMK3820	—	0.072	—
	48	25	—	38 500	61 000	7 450	4 300	6 500	HMK3825	—	0.090	—
	48	30	—	46 000	77 000	9 400	4 300	6 500	HMK3830	—	0.107	IR32×38×32
	48	45	—	62 000	113 000	13 700	4 300	6 500	HMK3845ZWD	—	0.161	—
40	47	12	—	12 100	19 500	2 380	4 000	6 000	HK4012V2	—	0.031	IR35×40×12.5
	47	12	2.7	12 600	20 800	2 530	4 000	6 000	—	7E-BK4012CT	0.038	IR35×40×12.5
	47	16	—	20 300	38 500	4 700	4 000	6 000	HK4016CT	—	0.041	IR35×40×17
	47	16	2.7	20 300	38 500	4 700	4 000	6 000	—	BK4016CT	0.051	IR35×40×17
	47	20	—	25 900	52 500	6 400	4 000	6 000	HK4020F	—	0.052	IR35×40×20.5
	47	20	2.7	25 900	52 500	6 400	4 000	6 000	—	BK4020	0.064	IR35×40×20.5
	50	15	—	23 100	32 500	3 950	4 000	6 000	HMK4015	—	0.056	IR35×40×17
	50	20	—	32 500	50 000	6 100	4 000	6 000	7E-HMK4020	—	0.075	IR35×40×20.5

1) If the bearing has an inner ring, the value indicates HK + IR.
Example: HK4012 + IR35 × 40 × 12.5