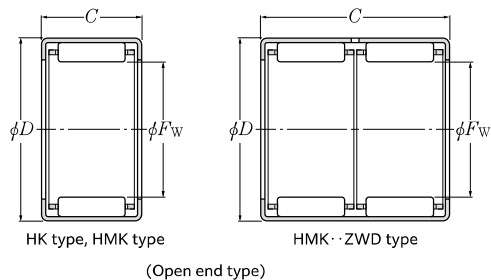


Needle Roller Bearings

NTN

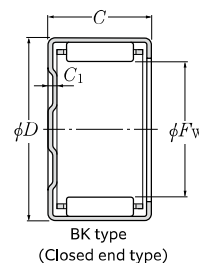
Drawn cup needle roller bearings

HK type
HMK type, HMK · ZWD type
BK type



Needle Roller Bearings

NTN



F_w 40 ~ 50mm

Boundary dimensions mm	C C ₁		Basic load rating		Fatigue load limit N C _u	Allowable speed		Number		Mass kg (approx.)	Applied inner ring ¹⁾ (approx.)
	F_w	D	dynamic C _r	static C _{0r}		min ⁻¹ Grease lubrication	Oil lubrication	Open end type	Closed end type		
40	50	25	—	41 000	67 500	8 250	4 000	6 000	7E-HMK4025	—	—
	50	30	—	49 000	85 000	10 400	4 000	6 000	HMK4030	—	IR35×40×34
	50	40	—	58 500	107 000	13 000	4 000	6 000	HMK4040ZWD	—	—
45	52	16	—	21 600	43 000	5 250	3 700	5 500	HK4516	—	IR40×45×17
	52	16	2.7	21 600	43 000	5 250	3 700	5 500	—	BK4516	IR40×45×17
	52	20	—	27 600	59 000	7 200	3 700	5 500	HK4520	—	IR40×45×20.5
	52	20	2.7	27 600	59 000	7 200	3 700	5 500	—	BK4520	IR40×45×20.5
	55	20	—	32 000	51 000	6 200	3 700	5 500	7E-HMK4520CT	—	IR40×45×20.5
	55	25	—	41 500	71 500	8 700	3 700	5 500	HMK4525	—	IR40×45×26.5
	55	30	—	49 500	90 000	11 000	3 700	5 500	7E-HMK4530CT	—	IR40×45×34
	55	40	—	59 500	113 000	13 800	3 700	5 500	HMK4540ZWD	—	—
50	58	20	—	31 500	63 000	7 700	3 200	4 800	HK5020	—	IR40×50×22
	58	20	2.7	31 500	63 000	7 700	3 200	4 800	—	BK5020	IR40×50×22
	58	25	—	38 500	82 000	10 000	3 200	4 800	HK5025	—	IR45×50×25.5
	58	25	2.7	38 500	82 000	10 000	3 200	4 800	—	BK5025	IR45×50×25.5
	62	12	—	18 200	23 600	2 880	3 200	4 800	7E-HMK5012	—	—
	62	15	—	25 900	37 000	4 550	3 200	4 800	7E-HMK5015	—	—
	62	20	—	37 500	60 000	7 300	3 200	4 800	7E-HMK5020CT	—	IR40×50×22
	62	25	—	48 000	82 500	10 100	3 200	4 800	7E-HMK5025	—	IR45×50×25.5
	62	30	—	58 500	105 000	12 800	3 200	4 800	7E-HMK5030CPX1	—	IR45×50×32
	62	40	—	70 000	134 000	16 300	3 200	4 800	7E-HMK5040ZWD	—	—
	62	45	—	79 000	156 000	19 100	3 200	4 800	7E-HMK5045ZWCDPX1	—	—

1) If the bearing has an inner ring, the value indicates HK + IR.
Example: HK4516 + IR40 × 45 × 17