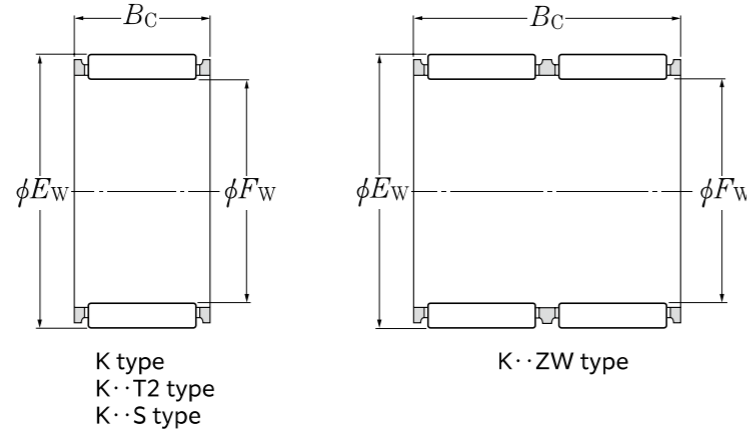


Needle roller and cage assemblies

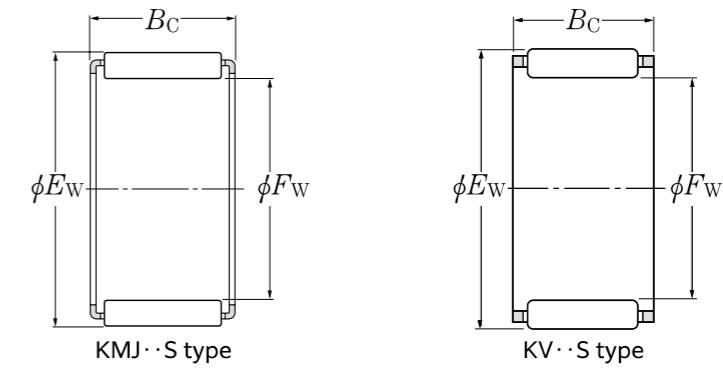
- K type
- K·T2 type
- K·S type
- K·ZW type
- KMJ·S type
- KV·S type



F_w 22 ~ 25mm

Boundary dimensions	Basic load rating		Fatigue load limit	Allowable speed		Number	Mass		
	dynamic	static		min ⁻¹					
mm	C_r	C_{0r}	N_{Cu}	Grease lubrication	Oil lubrication		kg (approx.)		
F_w E_w B_c									
22	29	16	18 700	22 700	2 770	12 000	18 000	K22×29×16	0.023
	30	15 ^{-0.2}	19 300	21 700	2 640	12 000	18 000	K22×30×15T	0.022
	30	17.5 ^{-0.55}	23 200	27 500	3 350	12 000	18 000	KMJ22×30×17.3X2S	0.024
	30	24	31 000	40 000	4 900	12 000	18 000	KMJ22×30×23.8X3S	0.035
23	27	13	11 400	17 700	2 160	11 000	17 000	KMJ23×27×12.8X1S	0.0086
	28	24 ^{-0.2}	19 800	31 000	3 750	11 000	17 000	K23×28×24	0.023
	29	18 ^{-0.55}	20 600	28 800	3 500	11 000	17 000	KMJ23×29×17.8X2S	0.019
24	28	10	9 000	13 200	1 610	11 000	17 000	K24×28×10T	0.0080
	28	13	10 800	16 800	2 050	11 000	17 000	K24×28×13	0.010
	28	17 ^{-0.2}	14 300	23 900	2 920	11 000	17 000	K24×28×17	0.013
	29	13 ^{-0.55}	12 300	16 900	2 060	11 000	17 000	K24×29×13	0.012
	30	17	18 400	25 200	3 050	11 000	17 000	K24×30×17	0.022
	30	31	27 900	43 000	5 200	11 000	17 000	K24×30×31ZW	0.039
25	29	10	8 950	13 300	1 620	11 000	16 000	K25×29×10	0.0083
	29	13	10 800	16 900	2 050	11 000	16 000	K25×29×13	0.010
	29	17	14 200	24 000	2 930	11 000	16 000	K25×29×17S	0.014
	30	13	13 200	18 800	2 290	11 000	16 000	K25×30×13	0.013
	30	17	17 400	26 800	3 250	11 000	16 000	K25×30×17S	0.017
	30	20	19 400	31 000	3 750	11 000	16 000	K25×30×20SV3	0.021
	30	22	22 300	37 000	4 500	11 000	16 000	KMJ25×30×21.8XS	0.020
	30	26 ^{-0.2}	21 800	35 500	4 350	11 000	16 000	K25×30×26ZW	0.027
	30	39 ^{-0.55}	29 800	53 500	6 550	11 000	16 000	K25×30×39ZW	0.040
	31	13	15 200	19 900	2 430	11 000	16 000	K25×31×13V3	0.018
	31	14	16 500	22 100	2 700	11 000	16 000	K25×31×14	0.018
	31	17	18 300	25 300	3 100	11 000	16 000	K25×31×17	0.022
	31	18.5	21 000	30 000	3 650	11 000	16 000	KMJ25×31×18.3X1SK	0.021
	31	21	22 500	33 000	4 000	11 000	16 000	K25×31×21V3	0.028
	32	16	19 500	24 700	3 000	11 000	16 000	K25×32×16	0.027
	33	24	34 500	47 000	5 750	11 000	16 000	KMJ25×33×24S	0.040

Note: Bearings may be delivered with a different cage type even if they are ordered by the bearing numbers in the table.



F_w 26 ~ 30mm

Boundary dimensions	Basic load rating		Fatigue load limit	Allowable speed		Number	Mass		
	dynamic	static		min ⁻¹					
mm	C_r	C_{0r}	N_{Cu}	Grease lubrication	Oil lubrication		kg (approx.)		
F_w E_w B_c									
26	30	13	11 800	19 200	2 340	10 000	15 000	K26×30×13	0.011
	30	17 ^{-0.2}	15 500	27 400	3 350	10 000	15 000	K26×30×17	0.015
	31	24 ^{-0.55}	21 400	35 500	4 300	10 000	15 000	8E-K26×31×23.8X1ZW	0.029
	34	22	24 200	30 000	3 700	10 000	15 000	K26×34×22	0.041
28	32	17	15 300	27 500	3 350	9 500	14 000	K28×32×17	0.017
	32	21	18 700	35 500	4 350	9 500	14 000	K28×32×21T	0.020
	33	13	13 900	20 900	2 550	9 500	14 000	K28×33×13	0.015
	33	17	18 300	29 800	3 650	9 500	14 000	K28×33×17S	0.020
	33	26 ^{-0.2}	23 900	42 000	5 100	9 500	14 000	K28×33×26ZW	0.033
	33	27 ^{-0.55}	28 300	52 000	6 350	9 500	14 000	K28×33×27	0.032
	34	14	17 500	24 800	3 000	9 500	14 000	K28×34×14	0.020
	34	17	18 100	25 800	3 150	9 500	14 000	K28×34×17V1	0.025
	35	16	21 200	28 400	3 450	9 500	14 000	K28×35×16	0.029
	35	18	21 500	28 900	3 550	9 500	14 000	K28×35×18	0.031
29	34	17 ^{-0.2}	18 900	31 000	3 800	9 500	14 000	K29×34×17S	0.022
	34	27 ^{-0.55}	28 100	52 000	6 350	9 500	14 000	K29×34×27	0.033
30	34	14	12 400	21 500	2 600	8 500	13 000	KV30×34×13.8XS	0.014
	34	23	18 000	34 500	4 200	8 500	13 000	K30×34×22.8X1T2	0.013
	35	11	12 200	18 000	2 200	8 500	13 000	K30×35×11S	0.014
	35	13	14 700	22 900	2 800	8 500	13 000	KV30×35×13S	0.017
	35	20	21 600	37 500	4 600	8 500	13 000	K30×35×20S	0.025
	35	26 ^{-0.2}	25 200	46 000	5 600	8 500	13 000	K30×35×26ZWV1	0.036
	35	27 ^{-0.55}	29 900	57 000	6 950	8 500	13 000	K30×35×27S	0.033
	37	16	21 900	30 500	3 700	8 500	13 000	K30×37×16	0.029
	37	18	23 300	33 000	4 000	8 500	13 000	K30×37×18	0.034
	37	20	26 200	38 000	4 650	8 500	13 000	KMJ30×37×20S	0.032
37	48	40 000	65 500	8 000	8 500	13 000		K30×37×48ZW	0.075
	38	18	25 000	33 000	4 000	8 500	13 000	K30×38×18	0.036

Note: Bearings may be delivered with a different cage type even if they are ordered by the bearing numbers in the table.