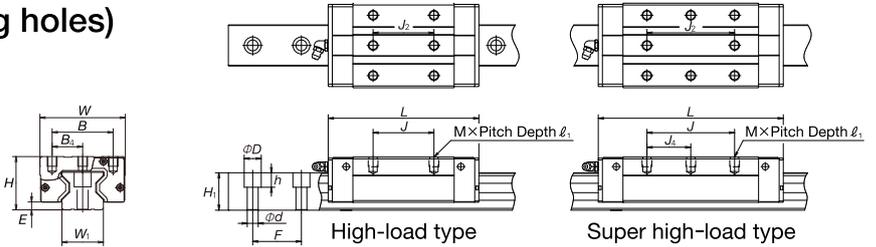


Guias de Rolos Modelo RB

Roller Guide RB Series

Square type (Tapped mounting holes)

High-load type : RB-AL, TL
Super high-load type : RB-BL, UL



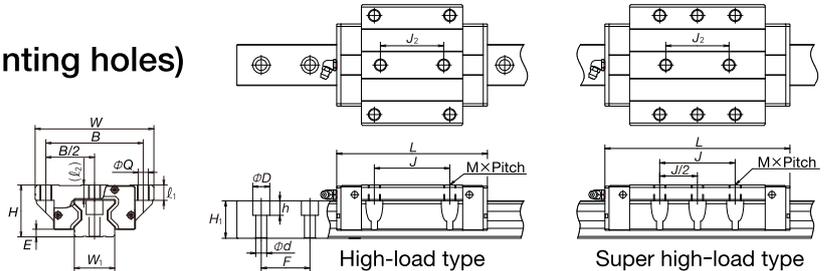
Unit: mm

Model No.	Assembly		Roller slide dimensions										Rail				Basic load rating				
	Height H	E	Width W	Length L	Mounting hole						Hole size of grease fitting	Width W ₁	Height H ₁	Pitch F	Mounting bolt hole d×D×h	Dynamic	Static	Static moment (N·m)			
					B	B ₁	J	J ₂	J ₁	Number of holes								M×φ ₁	M _{RO}	M _{PO}	M _{VO}
RB30AL	38	6.5	60	110.8	40	20	40	40	-	6	M8×7	φ3	28	28	40	9×14×12	38 900	93 500	1 670	1 140	1 140
RB30BL				135.4			60	60	30	8							47 600	121 000	2 170	1 950	1 950
RB35AL	44	6.5	70	123.8	50	25	50	50	-	6	M8×8	M6×0.75	34	31	40	9×14×12	53 300	129 000	2 810	1 800	1 800
RB35BL				152			72	72	36	8							67 400	175 000	3 810	3 250	3 250
RB45AL	52	8	86	154	60	30	60	60	-	6	M10×10	M6×0.75	45	38	52.5	14×20×17	92 800	229 000	6 180	4 080	4 080
RB45BL				190			80	80	40	8							116 000	305 000	8 240	7 150	7 150
RB55AL	63	9	100	184	65	-	75	-	-	4	M12×12	Rc1/8	53	43.5	60	16×23×20	129 000	330 000	10 200	7 060	7 060
RB55TL				75	37.5	75	75	-													
RB55BL				65	-	95	95	47.5	6												
RB55UL				75	37.5	-	-	-													
RB65AL	75	10	126	228.4	38	70	70	-	-	6	M16×16	Rc1/8	63	52	75	18×26×22	210 000	504 000	19 200	12 700	12 700
RB65BL				-	110	-	55	-													
RB65UL				38	120	120	-	-													

*The arrangement of roller slide mounting holes of RB55AL and TL differs from that of BL and UL.
*The arrangement of roller slide mounting holes of RB65BL and UL differs from that of others.

Flange type (for both tapped and bolt mounting holes)

High-load type : RB-EM
Super high-load type : RB-GM



Unit: mm

Model No.	Assembly		Roller slide dimensions										Rail				Basic load rating				
	Height H	E	Width W	Length L	Mounting hole						Hole size of grease fitting	Width W ₁	Height H ₁	Pitch F	Mounting bolt hole d×D×h	Dynamic	Static	Static moment (N·m)			
					B	J	J ₂	Number of holes	M×ℓ(L ₂)	Q×ℓ(L ₁)								M _{RO}	M _{PO}	M _{VO}	
RB30EM	38	6.5	90	110.8	72	52	44	6	M10×12(8.5)	8.6×12(8.5)	φ3	28	28	40	9×14×12	38 900	93 500	1 670	1 140	1 140	
RB30GM				135.4				8								47 600	121 000	2 170	1 950	1 950	
RB35EM	44	6.5	100	123.8	82	62	52	6	M10×13(11.5)	8.6×13(11.5)	M6×0.75	34	31	40	9×14×12	53 300	129 000	2 810	1 800	1 800	
RB35GM				152				8								67 400	175 000	3 810	3 250	3 250	
RB45EM	52	8	120	154	100	80	60	6	M12×15(12.5)	10.5×15(12.5)	M6×0.75	45	38	52.5	14×20×17	92 800	229 000	6 180	4 080	4 080	
RB45GM				190				8								116 000	305 000	8 240	7 150	7 150	
RB55EM	63	9	140	184	116	95	70	6	M14×18(18)	12.5×18(18)	Rc1/8	53	43.5	60	16×23×20	129 000	330 000	10 200	7 060	7 060	
RB55GM				234					8								168 000	462 000	14 300	13 600	13 600
RB65EM	75	10	170	228.4	142	110	82	6	M16×24(21)	14.6×24(21)	Rc1/8	63	52	75	18×26×22	210 000	504 000	19 200	12 700	12 700	
RB65GM				302.5					8								288 000	756 000	28 700	28 600	28 600

Reference number

Example: **RB35** **1000** **AL** **C** **2** - ****** **P5** **3** - **II**

① Model No. ② Rail length (mm)

①③ Model No.
See dimensions table

④ Material and surface treatment code	
C	Special high carbon steel
D	Special high carbon steel with surface treatment

⑤ Number of roller slides	
Number of roller slides per rail	

⑥ Design number	
Add to reference number	

⑦ Accuracy grade	
P3	Ultra precision grade
P4	Super precision grade
P5	High precision grade
P6	Precision grade

With NSK K1	
K3	Ultra precision grade
K4	Super precision grade
K5	High precision grade
K6	Precision grade

⑧ Preload	
3	Medium preload (Z3)

⑨ Configuration	
(None)	Single rail use
II	Use two rails/axis