

RA series Crossed Roller Bearings

(THK RA series crossed roller bearings, RA-C series crossed roller bearings, IKO CRBS series crossed roller bearings)



RA Cross roller bearings are designed to offer an more compact type of RB series crossed roller bearings. The bearing features all attributes of RB series crossed roller bearings while conserving space with thin inner and outer ring. Because of its vertical arrangement of rollers in a 90°V, the bearing is capable to carry loads in all directions at the same time: radial, axial and moment loads. Thus, the bearing housing and presser flange can be lightweight. It is optional for areas where the swiveling units need to be lightweight. Combined with its high rigidity, it can be applied to the joints and rotating parts of industrial robots, rotary tables of machining centers, medical equipment, measuring

instruments, rotating parts of manipulators, precision rotary tables, etc.

TEDIN is capable to produce THK RA series crossed roller bearings, RA-C series crossed roller bearings, and IKO CRBS series crossed roller bearings for our customers according to their specific requirements and different working conditions.

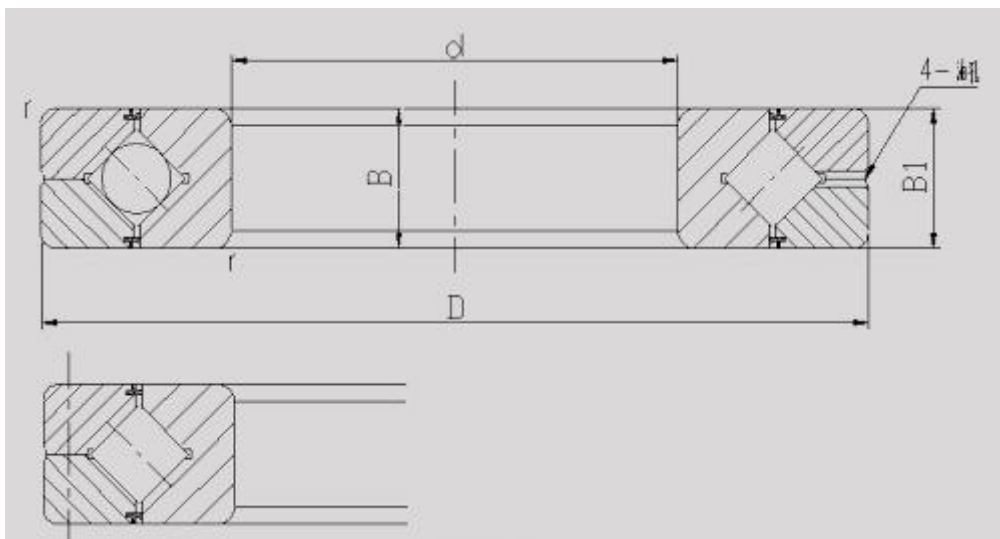
Product Features:

High Precision Grade: P5, P4, P2.

Small Size: conserving space better than RB series crossed roller bearings.

Carry high load: can with stand heavy loads.

High Rigidity: with preload.



Dimensions (mm)			Basic rating load			Type	
Inner Dia.	Outer Dia.	Width	Radial (KN)		Weight		
d	D	B	C	Co	Kg	THK	IKO
50	66	8	5.1	7.19	0.08	RA5008	CRBS508



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60	76	8	5.68	8.68	0.09	RA6008	CRBS608
70	86	8	5.98	9.8	0.1	RA7008	CRBS708
80	96	8	6.37	11.3	0.1	RA8008	CRBS808
90	106	8	6.67	12.4	0.12	RA9008	CRBS908
100	116	8	7.15	13.9	0.16	RA10008	CRBS1008
110	126	8	7.45	15	0.15	RA11008	CRBS1108
120	136	8	7.84	16.5	0.17	RA12008	CRBS1208
130	146	8	7.94	17.6	0.18	RA13008	CRBS1308
140	156	8	8.33	19.1	0.19	RA14008	CRBS1408
150	166	8	8.82	20.6	0.2	RA15008	CRBS1508
160	186	13	23.3	44.9	0.59	RA16013	CRBS16013
170	196	13	23.5	46.5	0.64	RA17013	CRBS17013
180	206	13	24.5	49.8	0.68	RA18013	CRBS18013
190	216	13	24.9	51.5	0.69	RA19013	CRBS19013
200	226	13	25.8	54.7	0.71	RA20013	CRBS20013

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