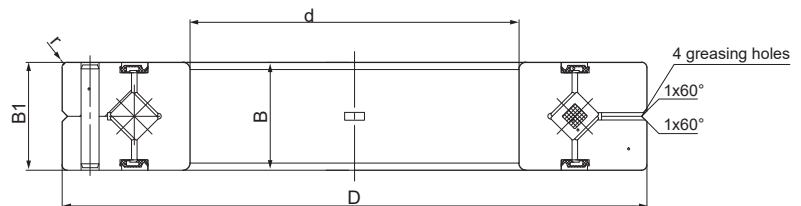


Cross Roller Bearing

- 고정밀 크로스 롤러 베어링
- 주문 생산 및 특수 타입 대응 가능
- 경쟁력 있는 가격 및 단 납기 실현

■ 1. RB

외륜을 2분할하여, 내륜을 일체화한 크로스 롤러링의 기본 형식입니다. 내륜의 회전정도가 요구되는 곳에 사용됩니다. 용도는, 공작기계의 인덱스 테이블 선회부 등에 사용됩니다.

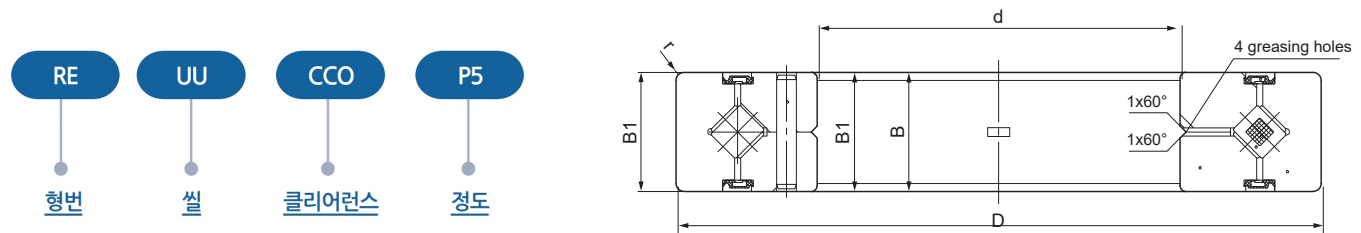


(단위: mm)

Type	Major dimensions					Basic Rated loading		Weight
	Inner diameter	Outer diameter	Roller pitch circle diameter	Width	Chamfer	Radial [kN]		
	d	D	dp	B	r	C	Co	
RB2008	20	36	27	8	0.5	3.23	3.1	0.04
RB2508	25	41	32	8	0.5	3.63	3.83	0.05
RB3010	30	55	41.5	10	0.6	7.35	8.36	0.12
RB3510	35	60	46.5	10	0.6	7.64	9.12	0.13
RB4010	40	65	51.5	10	0.6	8.33	10.6	0.16
RB4510	45	70	56.5	10	0.6	8.62	11.3	0.17
RB5013	50	80	64	13	0.6	16.7	20.9	0.27
RB6013	60	90	74	13	0.6	18	24.3	0.3
RB7013	70	100	84	13	0.6	19.4	27.7	0.35
RB8016	80	120	98	16	0.6	30.1	42.1	0.7
RB9016	90	130	108	16	1	31.4	45.3	0.75
RB10016	100	140	119.3	16	1	31.7	48.6	0.83
RB10020	100	150	123	20	1	33.1	50.9	1.45
RB11012	110	135	121.8	12	0.6	12.5	24.1	0.4
RB11015	110	145	126.5	15	0.6	23.7	41.5	0.75
RB11020	110	160	133	20	1	34	54	1.56
RB12016	120	150	134.2	16	0.6	24.2	43.2	0.72
RB12025	120	180	148.7	25	1.5	66.9	100	2.62
RB13015	130	160	144.5	15	0.6	25	46.7	0.72
RB13025	130	190	158	25	1.5	69.5	107	2.82
RB14016	140	175	154.8	16	1	25.9	50.1	1
RB14025	140	200	168	25	1.5	74.8	121	2.96
RB15013	150	180	164	13	0.6	27	53.5	0.68
RB15025	150	210	178	25	1.5	76.8	128	3.16
RB15030	150	230	188	30	1.5	100	156	5.3
RB16025	160	220	188.6	25	1.5	81.7	135	3.14
RB17020	170	220	191	20	1.5	29	62.1	2.21
RB18025	180	240	210	25	1.5	84	143	3.44
RB19025	190	240	211.9	25	1	41.7	82.9	2.99
RB20025	200	260	230	25	2	84.2	157	4
RB20030	200	280	240	30	2	114	200	6.7
RB20035	200	295	247.7	35	2	151	252	9.6
RB22025	220	280	250.1	25	2	92.3	171	4.1
RB24025	240	300	269	25	2.5	68.3	145	4.5
RB25025	250	310	277.5	25	2.5	69.3	150	5
RB25030	250	330	287.5	30	2.5	126	244	8.1
RB25040	250	355	300.7	40	2.5	195	348	14.8
RB30025	300	360	328	25	2.5	76.3	178	5.9
RB30035	300	395	345	35	2.5	183	367	13.4
RB30040	300	405	351.6	40	2.5	212	409	17.2
RB35020	350	400	373.4	20	2.5	54.1	143	3.9
RB40035	400	480	440.3	35	2.5	156	370	14.5
RB40040	400	510	453.4	40	2.5	241	531	23.5
RB45025	450	500	474	25	1	61.7	182	6.6
RB50025	500	550	524.2	25	1	65.5	201	7.3
RB50040	500	600	548.8	40	2.5	239	607	26
RB50050	500	625	561.6	50	2.5	267	653	41.7
RB60040	600	700	650	40	3	264	721	29

■ 2. RE

RB 형과 주요치수는 동일하나, 외륜의 회전 정도가 필요한 곳에 사용합니다.

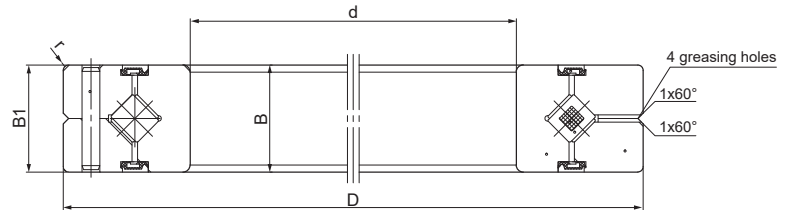
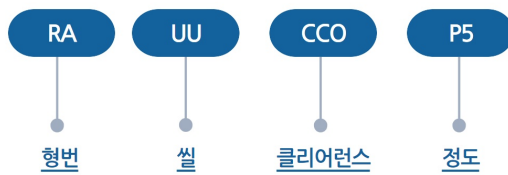


(단위: mm)

Type	Major dimensions					Basic Rated loading		Weight
	Inner diameter	Outer diameter	Roller pitch circle diameter	Width	Chamfer	Radial [kN]		
	d	D	dp	B	r	C	Co	
RE2008	20	36	29	8	0.5	3.23	3.1	0.04
RE2508	25	41	34	8	0.5	3.63	3.83	0.05
RE3010	30	55	43.5	10	0.6	7.35	8.36	0.12
RE3510	35	60	48.5	10	0.6	7.64	9.12	0.13
RE4010	40	65	53.5	10	0.6	8.33	10.6	0.16
RE4510	45	70	58.5	10	0.6	8.62	11.3	0.17
RE5013	50	80	66	13	0.6	16.7	20.9	0.27
RE6013	60	90	76	13	0.6	18	24.3	0.3
RE7013	70	100	86	13	0.6	19.4	27.7	0.35
RE8016	80	120	101.4	16	0.6	30.1	42.1	0.7
RE9016	90	130	112	16	1	31.4	45.3	0.75
RE10016	100	140	121.1	16	1	31.7	48.6	0.83
RE10020	100	150	127	20	1	33.1	50.9	1.45
RE11012	110	135	123.3	12	0.6	12.5	24.1	0.4
RE11015	110	145	129	15	0.6	23.7	41.5	0.75
RE11020	110	160	137	20	1	34	54	1.56
RE12016	120	150	136	16	0.6	24.2	43.2	0.72
RE12025	120	180	152	25	1.5	66.9	100	2.62
RE13015	130	160	146	15	0.6	25	46.7	0.72
RE13025	130	190	162	25	1.5	69.5	107	2.82
RE14016	140	175	160	16	1	25.9	50.1	1
RE14025	140	200	172	25	1.5	74.8	121	2.96
RE15013	150	180	166	13	0.6	27	53.5	0.68
RE15025	150	210	182	25	1.5	76.8	128	3.16
RE15030	150	230	192	30	1.5	100	156	5.3
RE16025	160	220	192	25	1.5	81.7	135	3.14
RE17020	170	220	196.1	20	1.5	29	62.1	2.21
RE18025	180	240	210	25	1.5	84	143	3.44
RE19025	190	240	219	25	1	41.7	82.9	2.99
RE20025	200	260	230	25	2	84.2	157	4
RE20030	200	280	240	30	2	114	200	6.7
RE20035	200	295	247.7	35	2	151	252	9.6
RE22025	220	280	250.1	25	2	92.3	171	4.1
RE24025	240	300	272.5	25	2.5	68.3	145	4.5
RE25025	250	310	280.9	25	2.5	69.3	150	5
RE25030	250	330	287.5	30	2.5	126	244	8.1
RE25040	250	355	300.7	40	2.5	195	348	14.8
RE30025	300	360	332	25	2.5	75.5	178	5.9
RE30035	300	395	345	35	2.5	183	367	13.4
RE30040	300	405	351.6	40	2.5	212	409	17.2
RE35020	350	400	376.6	20	2.5	54.1	143	3.9
RE40035	400	480	440.3	35	2.5	156	370	14.5
RE40040	400	510	453.4	40	2.5	241	531	23.5
RE45025	450	500	476.6	25	1	61.7	182	6.6

■ 3. RA

RB 형의 내외륜의 두께를 최소한으로 얇게 한 콤팩트 타입입니다.
로봇이나 머니플레이터 핸드 선회부 등의 경량 및 소형화가 가능합니다.

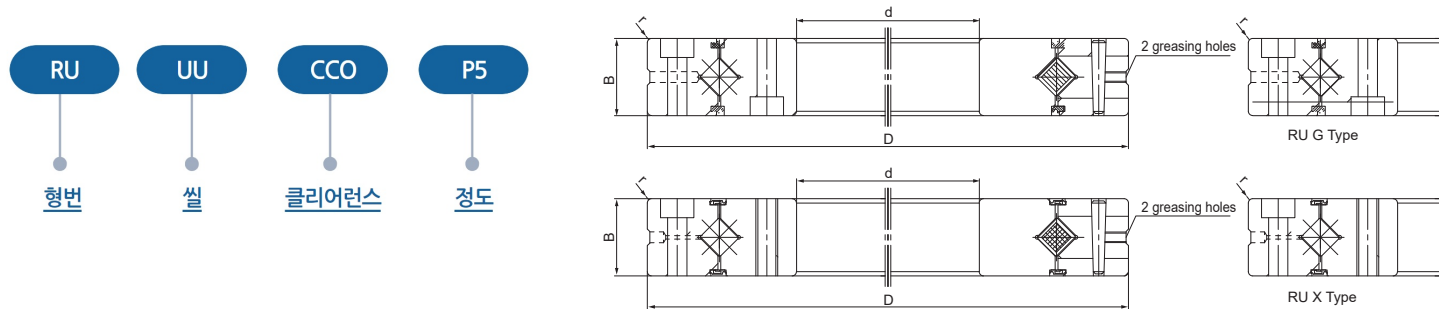


(단위: mm)

Type	Major dimensions					Basic Rated loading		Weight
	Inner diameter	Outer diameter	Roller pitch circle diameter	Width	Chamfer	Radial [kN]		
	d	D	dp	B	r	C	Co	kg
RA5008	50	66	57	8	0.5	5.1	7.19	0.08
RA6008	60	76	67	8	0.5	5.68	8.68	0.09
RA7008	70	86	77	8	0.5	5.98	9.8	0.1
RA8008	80	96	87	8	0.5	6.37	11.3	0.11
RA9008	90	106	97	8	0.5	6.76	12.4	0.12
RA10008	100	116	107	8	0.5	7.15	13.9	0.16
RA11008	110	126	117	8	0.5	7.45	15	0.15
RA12008	120	136	127	8	0.5	7.84	16.5	0.17
RA13008	130	146	137	8	0.5	7.94	17.6	0.18
RA14008	140	156	147	8	0.5	8.33	19.1	0.19
RA15008	150	166	157	8	0.5	8.82	20.6	0.2
RA16013	160	186	172	13	0.8	23.3	44.9	0.59
RA17013	170	196	182	13	0.8	23.5	46.5	0.64
RA18013	180	206	192	13	0.8	24.5	49.8	0.68
RA19013	190	216	202	13	0.8	24.9	51.5	0.69
RA20013	200	226	212	13	0.8	25.8	54.7	0.71

■ 4. RU

내외륜 일체형 구조로 장착구멍이 가공되어 있기 때문에 누름플랜지 · 하우징이 불필요하므로 장착이 용이합니다.
또한 조립으로 인한 성능 변화는 거의 없으며, 안정된 회전정도 · 토크를 낼 수 있습니다.



(단위: mm)

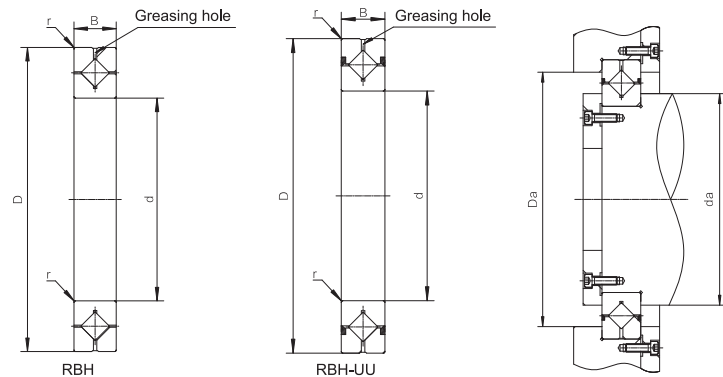
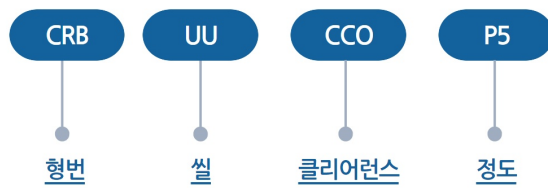
Type	Major dimensions						Shoulder Dimension		Basic Rated loading		Weight
	Inner diameter	Outer diameter	Roller pitch circle diameter	Width	Grease Holes	Chamfer			C	Co	
	d	D	dp	B	d1	rmin	ds	Sh	kN	kN	kg
RU28	10	52	28	8	Ø2.1	0.3	24	29.5	2.9	2.4	0.12
RU42	20	70	41.5	12	Ø3.1	0.6	37	47	7.35	8.35	0.29
RU66	35	95	66	15	Ø3.1	0.6	59	74	17.5	22.3	0.62
RU85	55	120	85	15	Ø3.1	0.6	79	93	20.3	29.5	1
RU124(G/X)	80	165	124	22	Ø3.1	1	114	134	33.1	50.9	2.6
RU148(G/X)	90	210	147.5	25	Ø3.1	1.5	133	162	49.1	76.8	4.9
RU178(G/X)	115	240	178	28	M6 x 1	1.5	161	195	80.3	135	6.8
RU228(G/X)	160	295	227.5	35	M6 x 1	2	208	246	104	173	11.4
RU297(G/X)	210	380	297.3	40	M10 x 1	2.5	272	320	156	281	21.3
RU445(G/X)	350	540	445.4	45	M10 x 1	2.5	417	473	222	473	35.4

Type	Relation between the mounting hole			
	Inner diameter		Outer diameter	
	PCD	Mounting hole	PCD	Mounting hole
RU28	16	4-M3 through	42	6-Ø 3.4 through Ø6.5 counterbore depth 3.3
RU42	28	6-M3 through	57	6-Ø 3.4 through Ø6.5 counterbore depth 3.3
RU66	45	8-M4 through	83	8-Ø 4.5 through Ø8 counterbore depth 4.4
RU85	65	8-M5 through	105	8-Ø 5.5 through Ø9.5 counterbore depth 5.4
RU124(G)	97	10-Ø 5.5 through Ø9.5 counterbore depth 5.4	148	10-Ø 5.5 through Ø9.5 counterbore depth 5.4
RU124X		10-M5 through		
RU148(G)	112	12-Ø 9 through Ø14 counterbore depth 8.6	187	12-Ø 9 through Ø14 counterbore depth 8.6
RU148X		12-M8 through		
RU178(G)	139	12-Ø 9 through Ø14 counterbore depth 8.6	217	12-Ø 9 through Ø14 counterbore depth 8.6
RU178X		12-M8 through		
RU228(G)	184	12-Ø 11 through Ø17.5 counterbore depth 10.8	270	12-Ø 11 through Ø17.5 counterbore depth 10.8
RU228X		12-M10 through		
RU297(G)	240	16-Ø 14 through Ø20 counterbore depth 13	350	16-Ø 14 through Ø20 counterbore depth 13
RU297X		16-M12 through		
RU445(G)	385	24-Ø 14 through Ø20 counterbore depth 13	505	24-Ø 14 through Ø20 counterbore depth 13
RU445X		24-M12 through		

■ 5. CRB

CRB 타입은 외륜,내륜이 일체화 설계되었고 설치시 플랜지 및 받침대가 필요로 합니다.

내륜 회전 정도가 높고, 높은 무게를 견뎌야 하는 부위에 사용하기에 적합 합니다.



(단위: mm)

Model	Main dimensions				Shoulder dimension		Basic load rating (radial direction)		Weight
	Inner diameter	Outer diameter	Height	Chamfer	Radial [kN]		Cr kN	Cor kN	
	d	D	B	r _{min}	d _s	D _h			kg
CRB2008	20	36	8	0.3	24	31	2.9	2.4	0.04
CRB2508	25	41	8	0.3	29	36	3.1	2.8	0.05
CRB3010	30	55	10	0.3	36.5	48.5	7.6	8.4	0.12
CRB3510	35	60	10	0.3	41.5	53.5	7.9	9.1	0.13
CRB4010	40	65	10	0.3	46.5	58.5	8.6	10.6	0.15
CRB4510	45	70	10	0.3	51.8	63.5	8.9	11.3	0.16
CRB5013	50	80	13	0.6	56	74	17.3	20.9	0.29
CRB6013	60	90	13	0.6	66	84	18.8	24.3	0.33
CRB7013	70	100	13	0.6	76	94	20.1	27.7	0.38
CRB8016	80	120	16	0.6	88	112	32.1	43.4	0.74
CRB9016	90	130	16	0.6	98	122	33.1	46.8	0.81
CRB10020	100	150	20	0.6	110	140	50.9	72.2	1.45
CRB11020	110	160	20	0.6	120	150	52.4	77.4	1.56
CRB12025	120	180	25	1	132	168	73.4	108	2.62
CRB13025	130	190	25	1	142	178	75.9	115	2.82
CRB14025	140	200	25	1	152	188	81.9	130	2.96
CRB15025	150	210	25	1	162	198	84.3	138	3.16
CRB20025	200	260	25	1	212	248	92.3	169	4
CRB25025	250	310	25	1.5	262	298	102	207	4.97

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