CLI-RT

* CLI-RT 型交叉圆锥滚子轴承由两列相互垂直的轴承滚道以及相互交叉呈90°的一组圆锥滚子组成，滚子之间有尼龙隔块隔开，防止了滚子的倾斜和滚子之间的相互摩擦，减小了旋转力矩，它可以承受径向负荷、轴向负荷和倾覆力矩等联合载荷。

交叉圆锥滚子采用大接触角和锥形几何设计，使轴承具有较跨距大：圆锥滚子滚动面的延长线交点位于轴承的回转中心线上，使圆锥滚子在运动过程中作纯滚动，避免了和滚道的相对滑动，因而极限转速远高于交叉圆柱滚子轴承，并且摩擦力矩也低于交叉圆柱滚子轴承。

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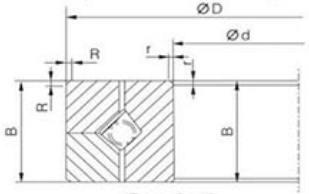
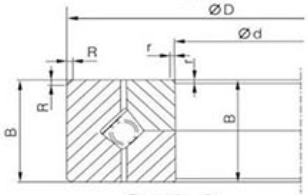
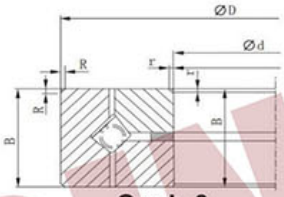
The crossed tapered roller bearing employs a large contact angle and tapered geometric design, significantly increasing the overall effective span of the bearing. The intersection point of the extended lines of the roller raceways lies on the rotational centerline of the bearing, ensuring pure rolling motion of the tapered rollers during operation. This eliminates relative sliding between the rollers and raceways, resulting in a significantly higher limiting speed compared to crossed cylindrical roller bearings, as well as lower frictional torque.



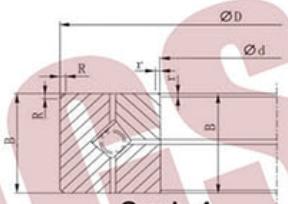
Graph -1



Graph -2



Graph -3



Graph -4

CLI Part NO.	Graph NO.	Boundary Dimensions (mm)				Rated Loading (KN)				Maximum Speed	Cross Reference				Weight
		d	D	B	r	Ca	Coa	Cr	Cor	(RPM)	TIMKEN	SKF	NACHI	URB	(kg)
CLI-RT060-NT	4	150	230	30	1	95.2	156	111	279	1100		BFKB353243/HA4	150XRN23		4.9
CLI-RT063-NT	4	160	240	30	1.1	96.8	162	118	300	1000		BFKB353240/HA4			5.15
CLI-RT079-NT	4	200	280	30	1.5	102	175	120	320	900			200XRN28		6.7
CLI-RT080-NT	4	203.2	279.4	31.75	1.5	110	188	134	348	850	XR496051	616093A			5.59
CLI-RT080-W	1	203.2	279.4	31.75	1.5	110	188	134	348	850	XR496052				5.59
CLI-RT094-NT	4	240	300	30	1	88	184	114	361	750		BFKB353203/HA4			5.4
CLI-RT098-NT	4	250	310	25	1	88	188	114	361	700		BFKB353212/HA4			4.5
CLI-RT099-NT	4	250	350	40	1.3	187	355	228	657	670		BFKB353215/HA4	250XRN35		13
CLI-RT110-NTL	4	300	400	36.492	1.5	183	355	223	657	560	JXR637050				12.5
CLI-RT110-NT	4	300	400	38	1.5	183	355	223	657	560	XR635070	616094A	300XRN40		12.5
CLI-RT110-NF	3	300	480	60	1.5	258	495	305	920	600	JXR678054				38
CLI-RT120-NT	4	310	425	45	2.5	216	427	281	837	640	JXR652050	BFKB634097			19.5
CLI-RT130-NT	4	330.2	457.2	63.5	3.3	264	515	312	954	620	XR678052	615661A			32
CLI-RT138-NT	4	350	470	50	3.3	308	635	376	1180	560		BFKB353216/HA4	350XRN47		27
CLI-RT140-NT	4	370	495	50	3.3	93.6		119		600	JXR699050				30
CLI-RT157-NT	4	400	480	40	1.1	216	497	281	957	430		BFKB353224/HA4			15
CLI-RT158-NT	4	400	550	60	2.5	429	920	523	1700	400		BFKB353219/HA4	400XRN55		46.5

CLI-RT

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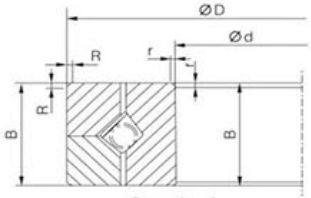
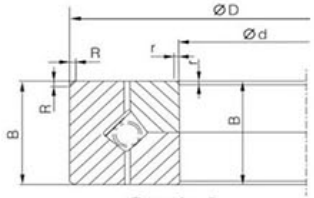
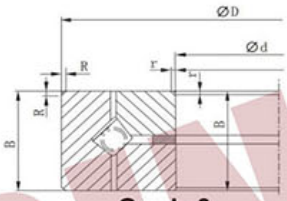


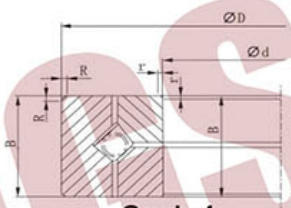
Graph -1



Graph -2



Graph -3



Graph -4

CLI Part NO.	Graph NO.	Boundary Dimensions (mm)				Rated Loading (KN)				Maximum Speed	Cross Reference				Weight
		d	D	B	r	Ca	Coa	Cr	Cor	(RPM)	TIMKEN	SKF	NACHI	URB	(kg)
CLI-RT170-W	1	432.03	571.5	38.1	3.3	435	910	530	1600	400	XR736052				27.5
CLI-RT180-NT	4	457.2	609.6	63.5	3.3	396	856	514	1680	420	XR766051	615894A	0457XRN060	XD.10.0457P5	51
CLI-RT160-NT	4	424.95	614.924	65		470	960	600	1720	380	XR766052				62
CLI-RT220-NT	4	580	760	80	3.3	627	1380	765	2560	300	XR820060	615662A	580XRN76	XD.10.0580P5	100
CLI-RT220-W	1	580	760	80	6.4	627	1380	765	2560	300	XR820061				100
CLI-RT230-NF	4	600	830	80	6.4	680	1460	820	2870	300	XR836050		600XRN83		148
CLI-RT270-N	2	685.8	914.4	79.375	6.4	693	1660	900	3250	260	XRA844050				150
CLI-RT270-NT	4	685.8	914.4	79.375	3.3	693	1660	900	3250	260	XR855053	615659A	0685XRN091	XD.10.0686P5	150
CLI-RT270-W	1	685.8	914.4	79.375		693	1660	900	3250	260	XR855056				150
CLI-RT350-W	1	901.7	1117.6	82.555	3.3	781	2060	1060	4290	200	XR882054				185
CLI-RT350-NT	4	901.7	1117.6	82.555	3.3	781	2060	1060	4290	200	XR882055	615895A	0901XRN112	XD.10.0902P5	185
CLI-RT370-N	2	939.8	1117.6	82.55	3	920	2580	1200	5000	200	XR882058				158
CLI-RT374-NF	4	950	1170	85	3.3	968	2690	1310	5600	215		BFKB353251/HA4			215
CLI-RT400-NT	4	1028.7	1327.15	114.3	3.3	1230	3310	1600	6490.	430	XR889058	BFKB353282/HA4	1028XRN132	XD.10.1029P5	430
CLI-RT400-WL	1	1028.7	1327.15	95.25	3.3	1060	3100	1420	6020	450	XR889059				358

CLI-RT

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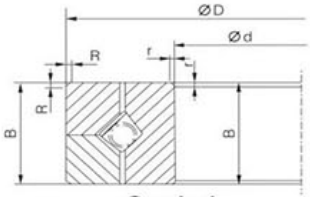
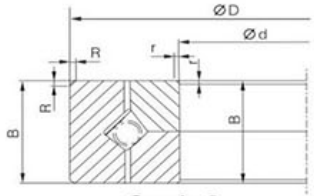
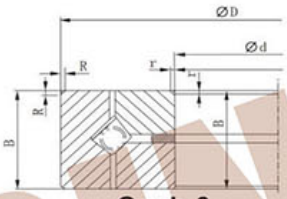


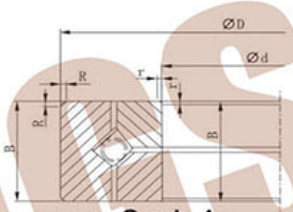
Graph -1



Graph -2



Graph -3



Graph -4

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		d	D	B	r	Ca	Coa	Cr	Cor	(RPM)	TIMKEN	SKF	NACHI	URB	(kg)
CLI-RT400-NF	3	1028.7	1327.15	114.3	3.3	1230	3310	1600	6490	430	XR889060				430
CLI-RT500-NT	4	1270	1524	95.25	1.8	1300	3830	1760	2980	95		615897A			350
CLI-RT610-NT	4	1549.4	1828.8	101.6	3.3	1400	4510	1890	9400	80	XR897051	615898A		XD.10.1549P5	500
CLI-RT740-NT	4	1879.6	2197.1	101.6	5.4	1510	5240	2040	10900	43	XR903054	615899A		XD.10.1880P5	675
CLI-RT1040-NT	4	2463.8	2819.4	114.3	5.4	2330	8740	3150	18200	19	XR902050	634078A			1130