

High precision, long service life

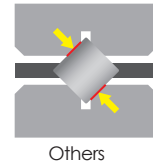
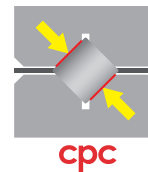
Low noise, low friction resistance, and vibration-free linear motion.

Fully enclosed cross roller cage design (Plastic design)

High density arrangement of rollers,
high load capacity



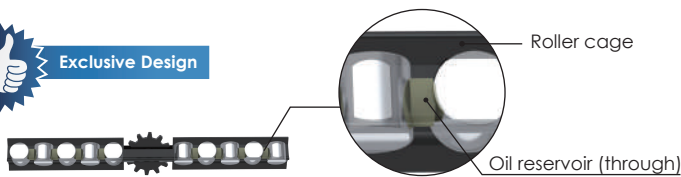
High contact length



Integrated through-type oil reservoir design

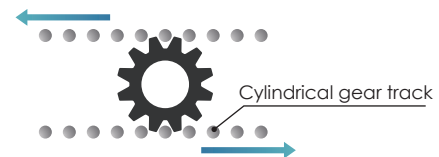


Exclusive Design



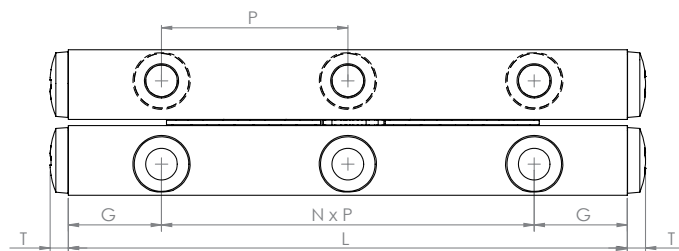
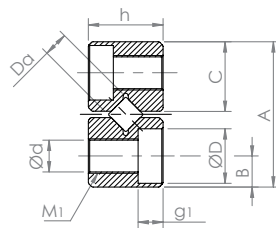
Patent for Anti-Creep design

The cpc patented anti-creep design prevents the rollers from shifting or sliding during operation by fitting a toothed wheel on the roller cage with a cylindrical tooth track.



Dimensions and Specifications

CR series



Model code	Max. stroke	Fabricate Dimensions(mm)		Assembly dimensions(mm)										Roller diameter	No. of rollers	Allowable preload	Basic load capacity (each roller)		Basic load capacity		Weight (1set)
		A	h	L	N x P	G	C	B	M ₁	d	D	g ₁	T	Da	Z	δ (μm)	C _s (kN)	C _{os} (kN)	C (kN)	C _o (kN)	g
CR 2030	20	12	6	30	1x15	7.5	5.6	2.5	M3	2.55	4.4	2	1.8	2	6	-3	0.386	0.418	1.61	2.51	27
CR 2045	30			45	2x15										10				2.41	4.19	40
CR 2060	40			60	3x15										14				3.14	5.86	53
CR 2075	50			75	4x15										18				3.81	7.54	67
CR 2090	60			90	5x15										22				4.46	9.21	80
CR 2105	70			105	6x15										26				5.08	10.89	92
CR 2120	80			120	7x15										30				5.69	12.56	106
CR 2135	90			135	8x15										34				6.26	14.24	119
CR 2150	100			150	9x15										38				6.84	15.91	132
CR 2165	110			165	10x15										42				7.38	17.59	145
CR 2180	120			180	11x15										46				7.93	19.26	158

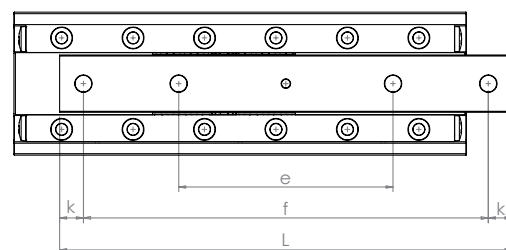
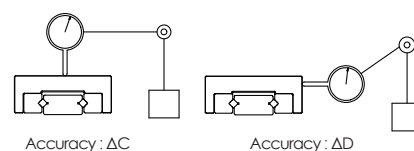
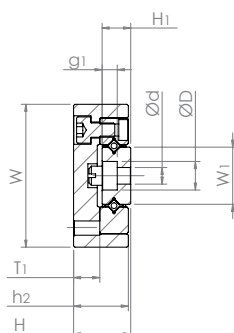
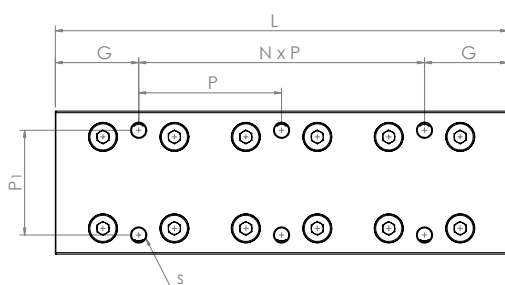
Note:

* A set refers to a combination of 4 guide rails and 2 retainers used together.

* Do not use the end face of the retainer as a stopper design! Please design the travel stoppers on the platform / base instead!

Dimensions and Specifications

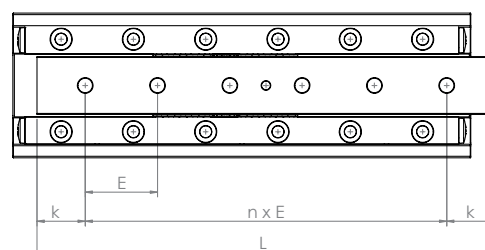
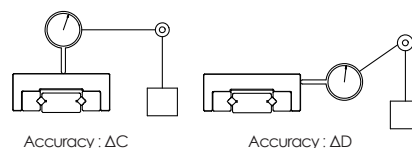
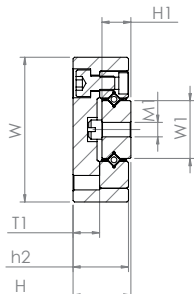
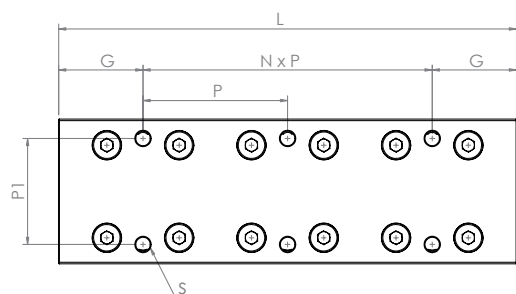
CRT series



Model code	Max. stroke	Main dimensions(mm)			Table mounting tap position (mm)				Side surface dimensions(mm)				Base surface dimensions mounting hole position (mm)					Basic load capacity		Accuracy (μm)	
		W ±0.1	H ±0.1	L	P ₁	NxP	G	s	h ₂	T ₁	H ₁	W ₁	Dx dxg ₁	e	f	k	No. of rollers	C (kN)	C ₀ (kN)	ΔC	ΔD
CRT 2035	20	30	12	35	22	1x28	3.5	M3	11.5	5.5	6	12	6x3.5x3.2	-	25	5	6	1.61	2.51	2	4
CRT 2050	30			50		1x43	3.5							-	35	7.5	10	2.41	4.19		
CRT 2065	40			65		1x30	17.5							33	55	5	14	3.14	5.86		
CRT 2080	50			80		1x45	17.5							40	70	5	18	3.81	7.54		
CRT 2095	60			95		2x30	17.5							45	85	5	22	4.46	9.21		
CRT 2110	70			110		1x45	32.5							50	95	7.5	26	5.08	10.89		
CRT 2125	80			125		2x45	17.5							55	110	7.5	30	5.69	12.56		

Dimensions and Specifications

CRTU series



Model code	Max. stroke	Main dimensions(mm)			Table mounting tap position (mm)				Side surface dimensions(mm)				Base surface dimensions mounting hole position (mm)				Basic load capacity		Accuracy (μm)	
		W ±0.1	H ±0.1	L	P1	NxP	G	s	h2	T1	H1	W1	M1	n x E	k	No. of rollers	C (kN)	Co(kN)	ΔC	ΔD
CRTU 2035	20			35		1x28	3.5							1x20	7.5	6	1.61	2.51		4
CRTU 2050	30			50		1x43	3.5							2x15	10	10	2.41	4.19		
CRTU 2065	40			65		1x30	17.5							3x15	10	14	3.14	5.86		
CRTU 2080	50	30	12	80	22	1x45	17.5	M3	11.5	5.5	6	12	M3	4x15	10	18	3.81	7.54	2	5
CRTU 2095	60			95		2x30	17.5							5x15	10	22	4.46	9.21		
CRTU 2110	70			110		1x45	32.5							6x15	10	26	5.08	10.89		
CRTU 2125	80			125		2x45	17.5							7x15	10	30	5.69	12.56		

2024.11.20 Printed in Taiwan

cpc CHIEFTEK PRECISION CO., LTD.

HEADQUARTERS
CHIEFTEK PRECISION CO., LTD.
No.3, Dali 1st Rd., Xinshi Dist., Southern Taiwan
Science Park, Tainan City 741-45, Taiwan (R.O.C.)
TEL:+886-6-505 5858 Http://www.chieftek.com
E-mail:service@mail.chieftek.com

CHIEFTEK PRECISION USA
2280 E. Locust Court.
Ontario, CA 91761, USA
Tel:+1-909-773-1200
Fax:+1-909-773-1202

cpc Europa GmbH
Industriepark 314,
D-78244 Gottmadingen, Germany
TEL:+49-7731-59130-38
FAX:+49-7731-59130-28

CHIEFTEK MACHINERY KUNSHAN CO., LTD.
1st Floor, Factory Building #3, No. 789,
Xintang Road, Yushan Town, Kunshan
City, Jiangsu P.R. China
TEL:+86-512-5525 2831
FAX:+86-512-5525 2851



* cpc reserves the right to revise any information (technical details) any time without notice, for printing mistakes or any other incidental mistakes. We take no responsibility.