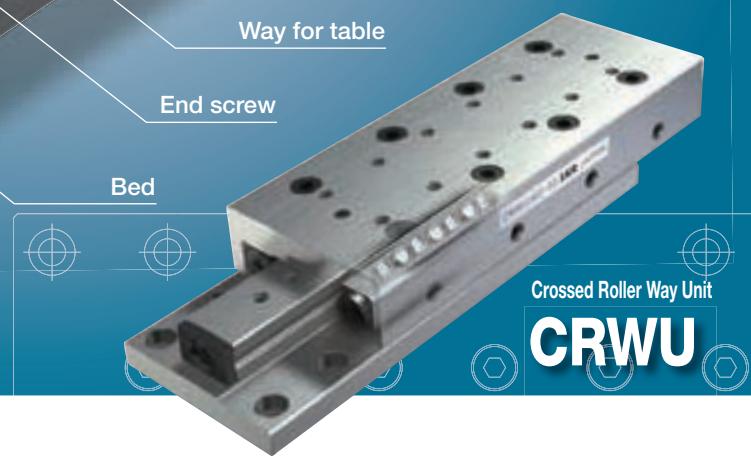
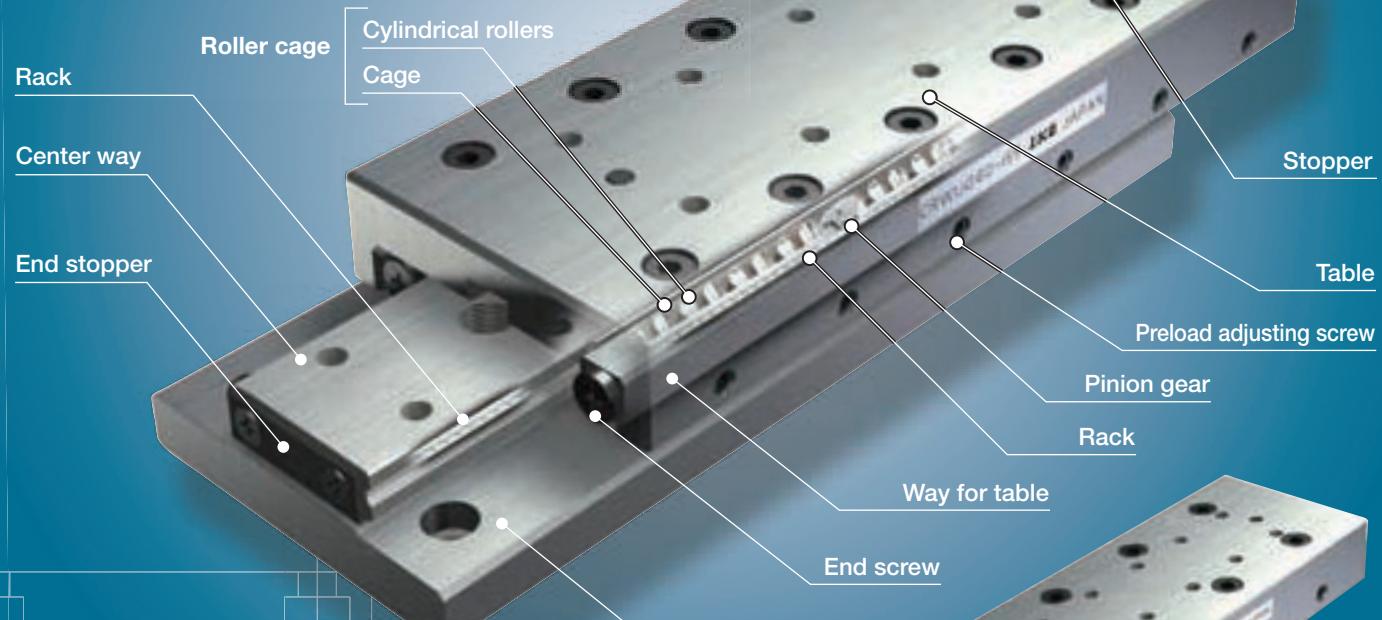




CRW(G)(...-H)
CRWU(G)

Anti-Creep Cage Crossed Roller Way Unit

CRWUG



Points

1. High rigidity and high accuracy

Since CRWG or CRW with excellent load balance is incorporated with grounded high rigidity table and bed, elastic deformation is small for load in every direction, leading to highly accurate and stable linear motion.

2. Solves cage creep issue

As CRWG with cage creep proof function is incorporated with CRWUG, there is no risk of cage creep and it works reliable in high-speed and high-tact operation, or in vertical axis.

3. Wide variation

Three types of CRWU with different sectional shapes are available with many size variations. You can select an optimal product for the specifications of your machine and device.

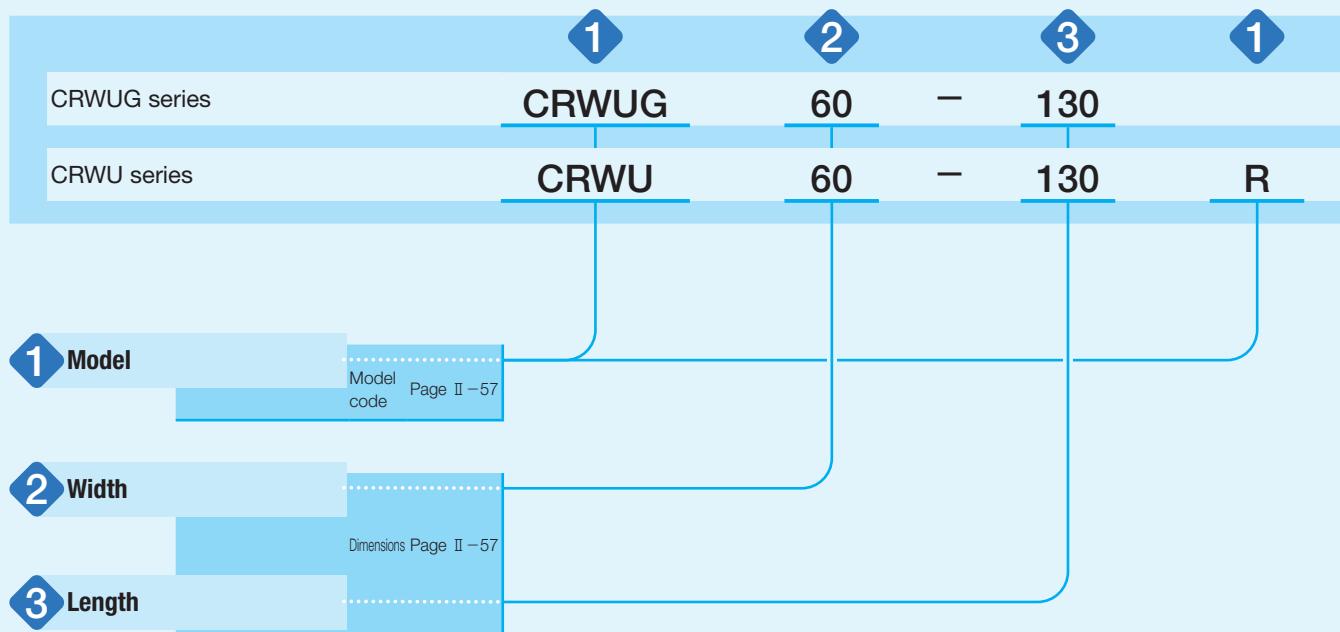
4. Easy mounting

Mounting surface is precisely grounded. In addition, female screws and boring are used for table and bed, respectively to ensure appropriate preload state. Therefore, highly reliable linear motion can be achieved just by fitting them to the machine and device.

Identification Number and Specification

Example of an identification number

The specification of CRWUG and CRWU series is indicated by the identification number. Indicate the identification number, consisting of a model code, width, and length for each specification to apply.



Identification Number and Specification

1 Model

Anti-Creep Cage Crossed Roller Way Unit (CRWUG series) : CRWUG

Crossed Roller Way Unit (CRWU series) : CRWU
: CRWU··R
: CRWU··RS

For applicable models and width, see Fig. 1.

2 Width

20, 30, 40, 60, 80, 100, 145

Indicate the table width in mm.

For applicable models and width, see Table 1.

3 Length

Indicate the table length in mm.

Table 1 Models and width of CRWUG series and CRWU series

Series	Shape	Model	Characteristics	Width						
				20	30	40	60	80	100	145
CRWUG		CRWUG	A unit with cage creep proof function that realizes complete compatibility with CRWU in mounting dimensions. As external dimensions are the same, this can replace machine or device using CRWU without changing mounting dimensions, as well as new applications.	—	—	○	○	○	—	—
CRWU		CRWU	An ordinary type unit to be fixed to machine or device with bolts as it is, thanks to table and bed mounted to high accuracy.	—	○	○	○	○	○	○
CRWU		CRWU··R	Low height unit without CRWU bed. Linear motion with stable accuracy and high rigidity can be achieved for load in every direction.	—	○	○	○	○	○	○
		CRWU··RS	A compact and light unit of very simple structure. This may be used as a high-accuracy unit with small motion inertia by moving the center way.	○	○	○	—	—	—	—

Load Rating and Allowable Load

Indicate values for down direction for load rating of CRWUG and CRWU series.

In addition, the upward and lateral load rating is the same as downward load rating.

For more information on the definition of load rating and calculated load, see page III-3.

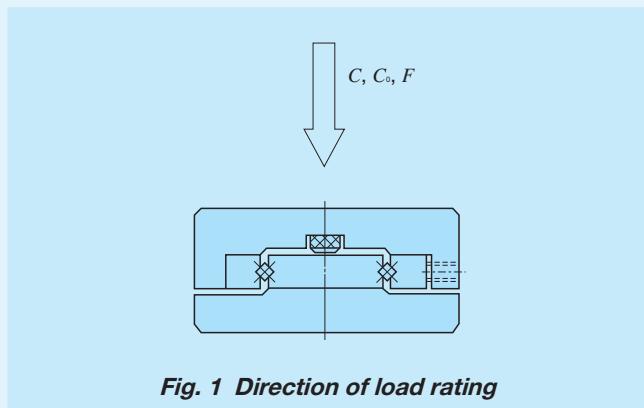


Fig. 1 Direction of load rating

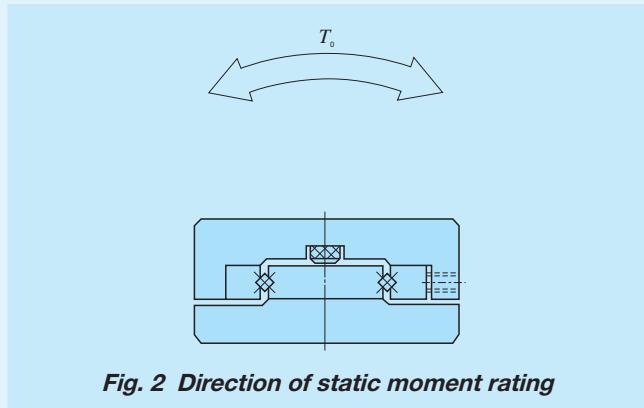


Fig. 2 Direction of static moment rating

Allowable load

Allowable load refers to load of smooth rolling motion on contact surface to which maximum contact stress is applied and the sum of whose elastic deformation of rolling elements and raceway is small.

Therefore, use applied load within the allowable load range if very smooth rolling motion and high accuracy are required.

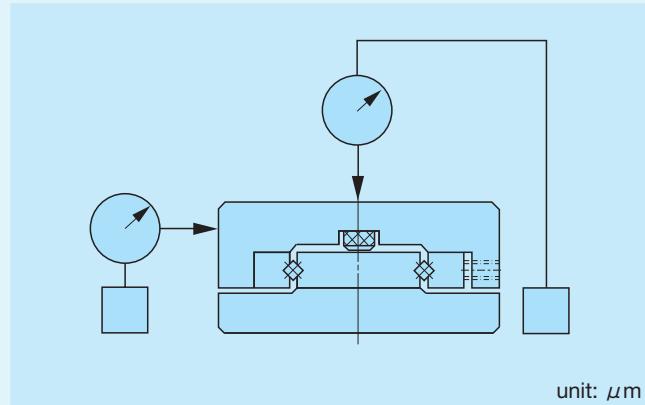
Accuracy

Accuracy of CRWUG series and CRWU series is indicated in Table 2. Parallelism at the center of the table represents parallelism of height when the table is stroked.

Parallelism at the side of the table represents parallelism of the side (preload adjusting screw side) when the table is stroked.

In addition, though allowance of unit height H is designed as ± 0.1 mm, units with height variation of less than 0.01 mm among multiple units are also available. When special accuracy is needed, contact IKO.

Table 2 Running accuracy



unit: μm

Unit length L mm Over	Incl.	Parallelism at the table center	Parallelism on the table side
—	50	2	4
50	100	2	5
100	160	3	6
160	310	3	7
310	510	4	8
510	710	4	9
710	—	5	10

Lubrication

Grease is not pre-packed in the CRWUG series and CRWU series, so please perform adequate lubrication as needed. Both of oil lubrication and grease lubrication are available in the CRWUG series and CRWU series. Generally, oil lubrication should be selected for high speed or low frictional resistance, and grease lubrication for low speed. For grease lubrication, use of high-quality lithium-soap base grease is recommended.

Dust Protection

Since the CRWUG series and CRWU series are finished with high accuracy, harmful foreign substances such as dust and particles entering into the bearing will cause low life or impaired accuracy. For applications in other than clean environment, cover the entire unit with a protective case, etc. to prevent harmful foreign substances such as dust, particles and water from outside from entering.

Precaution for Use

① Handling

As the CRWUG series and CRWU series are designed highly precisely, take extra care for handling. Cage of the CRWUG series has a pinion gear incorporated. When the cage is dropped or handled roughly, the pinion gear may come off. In addition, do not cut off the cage as doing so may cause pinion gear coming off and breakage of gear joint section.

Way of the CRWUG series has a rack incorporated. In operation, take note that the rack may come off when the end screw is removed.

For the CRWU series, the cage may be deviated from the right position due to offset load or irregular and high-velocity motion, etc. Fully stroke it once in certain operating time or certain number of reciprocating motion to correct the cage position.

② Preload re-adjustment

Preload amount of the CRWUG series and CRWU series is adjusted to zero or slight preload state, so they may be used as they are.

Preload amount of the CRWUG series, CRWU, and CRWU-R may be re-adjusted by following the procedure below.

Preload adjustment is started from the preload adjusting screw at the center of way length and then both ends in turn, with fixing screws of the preload adjusting side way temporarily fixed.

While measuring the clearance on the table sides, tighten the preload adjusting screws subsequently until deflection of the dial gauge stops. Measure the tightening torque for preload adjusting screws at this point.

When adjusting preload adjusting screw near either end, stroke the table softly and check that the cylindrical roller is on the preload adjusting screw section.

After the above procedure, the clearance becomes zero or in slight preload state, but preload is still not adjusted evenly. With the same procedure again, re-adjust all the preload adjusting screws evenly to the torque previously measured.

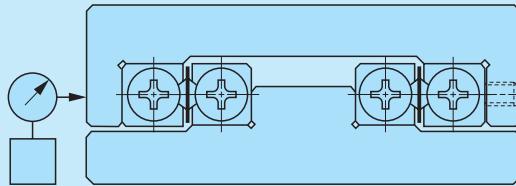


Fig. 3 Example of preload adjustment method

③ Operating temperature

As synthetic resin components are used for the CRWUG series, the maximum operating temperature is 120°C, while it should be lower than 100°C for continuous use. When it exceeds 100°C, contact IKO.

As synthetic resin components are not used for the CRWU series, it may be used at high temperature. However, when it exceeds 100°C, contact IKO.

④ Maximum velocity

Operating velocity should not exceed 30 m/min during operation.

⑤ Tightening torque for fixing screw

Table 3 shows typical tightening torque for mounting CRWUG Series and CRWU Series. When vibration and shock are large or moment load is applied, it is recommended to fix by using the torque 1.3 times larger than that indicated in the table. In addition, when high running accuracy is required with no vibration and shock, it may be fixed by using torque smaller than that indicated in the table, however, it is recommended to use adhesive agent to fasten the screw, or to use stop bolts.

Table 3 Tightening torque for fixing screw

Bolt size	Tightening torque N · m
M 2 ×0.4	0.40
M 2.5×0.45	0.80
M 3 ×0.5	1.4
M 4 ×0.7	3.2
M 5 ×0.8	6.4
M 6 ×1	10.9
M 8 ×1.25	26.1

⑥ Dowel pin hole of CRWU…R

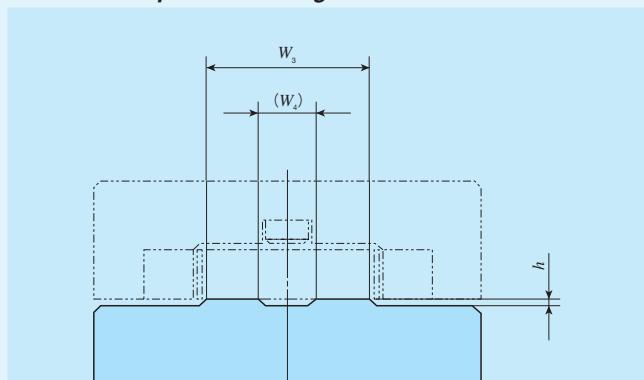
A dowel pin hole is machined on the center way of the CRWU…R. When a dowel pin is used, machine a hole on the mounting surface of the machine after mounting of the center way.

Refer to the dimension table for diameter and its tolerances of dowel pin hole of the center way.

⑦ Mounting part dimensions of CRWU…R

Not to allow the table to interfere with the mounting surface, it is necessary to set mounting surface height referring to the dimensions H_1 and H in the dimension table.

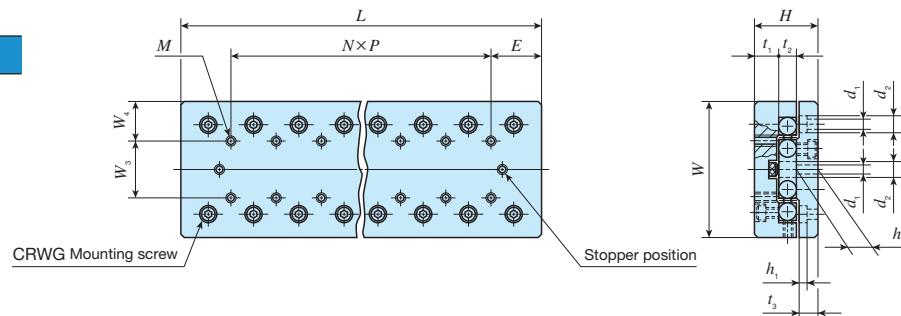
Example bed mounting dimensions are indicated in Table 4.

Table 4 Example of mounting dimensions of CRWU…R bedunit: μm

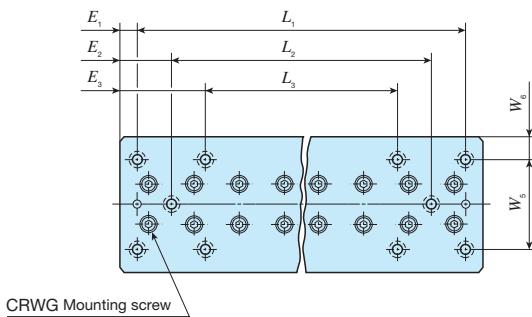
Identification number	h (minimum)	W_3	W_4
CRWU 30 …R	0.5	13	—
CRWU 40-35R	0.5	18	—
CRWU 40 …R	0.5	13	—
CRWU 60 …R	0.5	26.5	—
CRWU 80 …R	0.5	38	16
CRWU100 …R	0.5	42	14
CRWU145 …R	1.0	68.5	28.5

IKO Anti-Creep Cage Crossed Roller Way Unit

Shape	CRWUG		
Size	40	60	80



Identification number	Mass (Ref.) kg	Nominal dimensions and tolerances mm									Table mounting dimensions mm					
		W	Dim. W tolerance	H	Dim. H tolerance	L	t ₁	t ₂	t ₃	Maximum stroke length	W ₃	W ₄	N×P	E	M	
CRWUG 40- 35	0.21	40	± 0.1	21	± 0.1	35	8	6	6.5	18	15	12.5	17.5	M3		
CRWUG 40- 50	0.30					50				30						
CRWUG 40- 65	0.36					65				40						
CRWUG 40- 80	0.47					80	7	8	5.5	50						
CRWUG 40- 95	0.53					95				60						
CRWUG 40-110	0.63					110				70						
CRWUG 40-125	0.70					125				80						
CRWUG 60- 55	0.67	60	± 0.1	28	± 0.1	55				30	25	17.5	27.5	M4		
CRWUG 60- 80	0.99					80				45						
CRWUG 60-105	1.28					105	10.5	8	9	60						
CRWUG 60-130	1.57					130				75						
CRWUG 60-155	1.86					155				90						
CRWUG 80- 85	1.78	80	± 0.1	35	± 0.1	85				50	40	20	42.5	M5		
CRWUG 80-125	2.56					125	13	11	10.5	75						
CRWUG 80-165	3.34					165				105						
CRWUG 80-205	4.12					205				135						



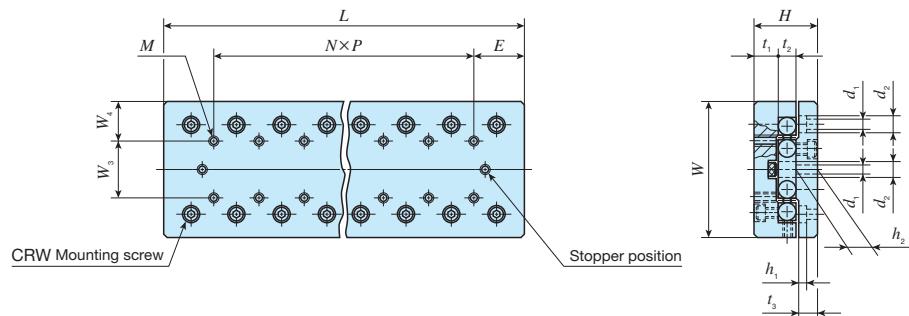
	Bed mounting dimensions mm												Basic dynamic load rating <i>C</i> N	Basic static load rating <i>C₀</i> N	Allowable load <i>F</i> N	Static moment rating <i>T₀</i> N · m				
	<i>W₅</i>	<i>W₆</i>	<i>L₁</i>	<i>E₁</i>	<i>L₂</i>	<i>E₂</i>	<i>L₃</i>	<i>E₃</i>	<i>d₁</i>	<i>d₂</i>	<i>h₁</i>	<i>h₂</i>								
30	5	25	5.0	-	-	-	-	3.5	6	3.5	7	913	1 180	392	10.6					
		40																		
		55																		
		70								20										
		85								3.2										
		100								6										
		115																		
40	10	35	10.0	-	-	-	-	4.5	7.5	4.5	9.5	2 000	2 440	813	35.3					
		60																		
		85																		
		110																		
		135																		
		85																		
60	10	65	10.0	-	-	-	-	5.5	9.5	6	11	5 350	7 050	2 350	145					
		80																		
		120																		
		160																		
		80																		
	22.5	62.5																		

1N=0.102kgf=0.2248lbs.
1mm=0.03937inch

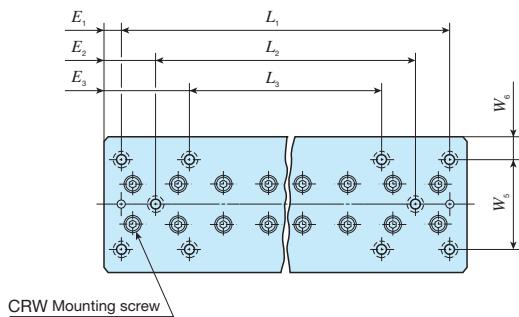
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IKO Crossed Roller Way Unit

Shape	CRWU				
Size	30	40	60	80	100
	145				



Identification number	Mass (Ref.) kg	Nominal dimensions and tolerances mm								Table mounting dimensions mm					
		W	Dim. W tolerance	H	Dim. H tolerance	L	t ₁	t ₂	t ₃	Maximum stroke length	W ₃	W ₄	N×P	E	M
CRWU 30- 25	0.09	30	± 0.1	17	± 0.1	25	7	4	5.5	12	10	10	12.5	M2	
CRWU 30- 35	0.13					35				18					
CRWU 30- 45	0.17					45				25					
CRWU 30- 55	0.20					55				32					
CRWU 30- 65	0.24					65				40					
CRWU 30- 75	0.28					75				45					
CRWU 30- 85	0.32					85				50					
CRWU 40- 35	0.21	40	± 0.1	21	± 0.1	35	7	8	6.5	18	15	12.5	17.5	M3	
CRWU 40- 50	0.30					50				30					
CRWU 40- 65	0.37					65				40					
CRWU 40- 80	0.48					80				50					
CRWU 40- 95	0.54					95				60					
CRWU 40-110	0.65					110				70					
CRWU 40-125	0.72					125				80					
CRWU 60- 55	0.68	60	± 0.1	28	± 0.1	55	10.5	8	9	30	25	17.5	27.5	M4	
CRWU 60- 80	1.0					80				45					
CRWU 60-105	1.3					105				60					
CRWU 60-130	1.6					130				75					
CRWU 60-155	1.9					155				90					
CRWU 60-180	2.2					180				105					
CRWU 60-205	2.5					205				130					



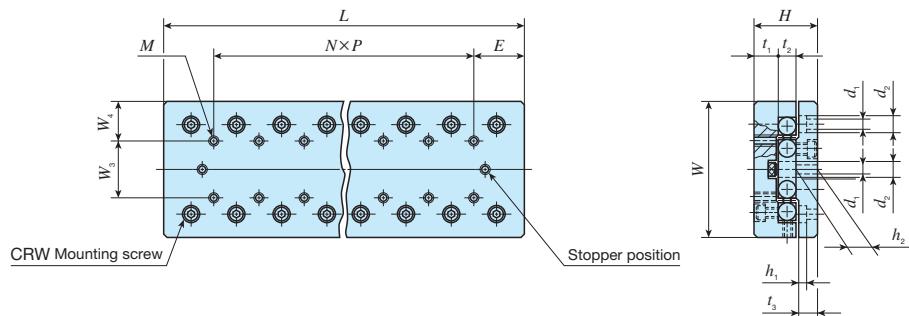
	Bed mounting dimensions mm												Basic dynamic load rating <i>C</i> N	Basic static load rating <i>C₀</i> N	Allowable load <i>F</i> N	Static moment rating <i>T₀</i> N · m	
	<i>W₅</i>	<i>W₆</i>	<i>L₁</i>	<i>E₁</i>	<i>L₂</i>	<i>E₂</i>	<i>L₃</i>	<i>E₃</i>	<i>d₁</i>	<i>d₂</i>	<i>h₁</i>	<i>h₂</i>					
22	4	3.5	18	—	—	—	13.5	2.55	4.1	2.5	6	380	478	159	3.2		
			28										525	717	239	4.8	
			38										659	956	319	6.5	
			48										786	1 200	398	8.1	
			58										906	1 430	478	9.7	
			68										1 020	1 670	558	11.3	
			78										1 140	1 910	638	12.9	
			25		5	—	—	3.5	6	3.2	6	896	1 180	392	10.6		
30	5		40										2 710	3 660	1 220	26.5	
			55										2 710	3 660	1 220	26.5	
			70										4 050	6 090	2 030	44.2	
			85										3 400	4 880	1 630	35.3	
			100										4 680	7 310	2 440	53.0	
			115										4 680	7 310	2 440	53.0	
			35	10	—	—	—	4.5	7.5	4.5	9.5	2.710	3 660	1 220	51.2		
			60										4 050	6 090	2 030	85.3	
			85										5 270	8 530	2 840	119	
			110										5 860	9 750	3 250	137	
			135										6 970	12 200	4 060	171	
			160										8 040	14 600	4 880	205	
			185										8 550	15 800	5 280	222	

1N=0.102kgf=0.2248lbs.
1mm=0.03937inch

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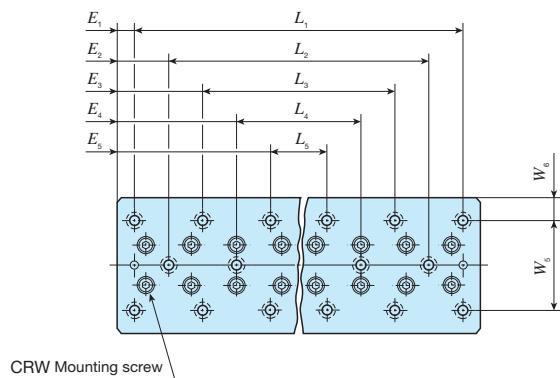
IKO Crossed Roller Way Unit

Shape	CRWU					
	30	40	60	80	100	145



Identification number	Mass (Ref.) kg	Nominal dimensions and tolerances mm									Table mounting dimensions mm					
		W	Dim. W tolerance	H	Dim. H tolerance	L	t ₁	t ₂	t ₃	Maximum stroke length	W ₃	W ₄	N×P	E	M	W ₅
CRWU 80- 85	1.8	80	± 0.1	35	± 0.1	85	13	11	10.5	50	40	20	42.5	M5	60	10
CRWU 80-125	2.6					125				75						
CRWU 80-165	3.4					165				105						
CRWU 80-205	4.2					205				135						
CRWU 80-245	5.1					245				155						
CRWU 80-285	5.9					285				185						
CRWU 80-325	6.7					325				215						
CRWU 100-110*	3.6	100	± 0.15	45	± 0.1	110	16	15	13	60	50	25	55	M6	60	20
CRWU 100-160*	5.2					160				95						
CRWU 100-210*	6.9					210				130						
CRWU 100-260*	8.5					260				165						
CRWU 100-310*	10.2					310				200						
CRWU 100-360*	11.8					360				235						
CRWU 100-410*	13.5					410				265						
CRWU 145-210*	13.2	145	± 0.2	60	± 0.1	210	21	22	16	130	85	30	105	M8	90	27.5
CRWU 145-310*	19.6					310				180						
CRWU 145-410*	25.9					410				350						
CRWU 145-510*	32.2					510				450						
CRWU 145-610*	38.6					610				550						
CRWU 145-710*	45.0					710				650						
CRWU 145-810*	51.3					810				750						

Remark: The identification numbers with * are our semi-standard items.



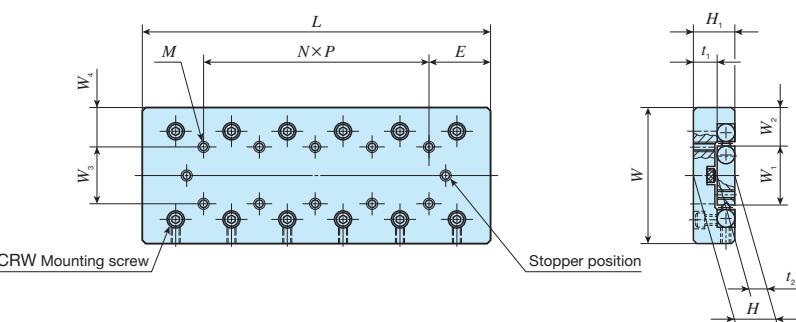
Bed mounting dimensions mm														Basic dynamic load rating C N	Basic static load rating C₀ N	Allowable load F N	Static moment rating T₀ N · m	
L₁	E₁	L₂	E₂	L₃	E₃	L₄	E₄	L₅	E₅	d₁	d₂	h₁	h₂					
65	10	22.5	62.5	80	120	160	200	240	280	5.5	9.5	6	11	6 640	9 400	3 130	188	
80														9 130	14 100	4 700	282	
120														10 300	16 500	5 480	329	
160														12 500	21 200	7 050	423	
200														14 700	25 900	8 620	517	
240														16 700	30 600	10 200	611	
280														18 700	35 300	11 800	705	
90		10	60	90	140	190	240	290	340	390	7	11	6.5	14	13 900	18 500	6 150	415
140														16 600	23 100	7 690	519	
190														21 600	32 300	10 800	727	
240														26 300	41 500	13 800	934	
290														30 800	50 700	16 900	1 140	
340														35 100	60 000	20 000	1 350	
390														37 200	64 600	21 500	1 450	
100		55	155	100	200	300	400	500	600	700	9	14	8.5	17.5	39 400	52 800	17 600	1 900
200														61 200	92 300	30 800	3 320	
300														67 900	106 000	35 200	3 800	
400														74 400	119 000	39 600	4 270	
500														87 100	145 000	48 400	5 220	
600														99 200	172 000	57 200	6 170	
700														111 000	198 000	66 000	7 120	

1N=0.102kgf=0.2248lbs.
1mm=0.03937inch

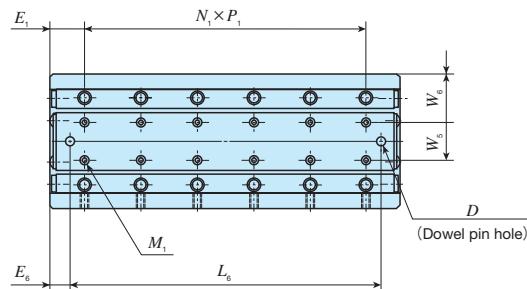
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IKO Crossed Roller Way Unit

Shape	CRWU...R
Shape	
Size	30 40 60 80 100 145



Identification number	Mass (Ref.) kg	Nominal dimensions and tolerances mm						Table mounting dimensions mm							
		W	Dim. W tolerance	H	Dim. H tolerance	L	Maximum stroke length	W3	W4	N×P	E	M	H1	t1	
CRWU 30- 25R	0.06	30	±0.1	11	±0.1	25	12	10	10	—	12.5	M2	11	7	
CRWU 30- 35R	0.08					35	18			1×10					
CRWU 30- 45R	0.11					45	25			2×10					
CRWU 30- 55R	0.13					55	32			3×10					
CRWU 30- 65R	0.16					65	40			4×10					
CRWU 30- 75R	0.18					75	45			5×10					
CRWU 30- 85R	0.21					85	50			6×10					
CRWU 40- 35R	0.13	40	±0.1	14	±0.1	35	18	15	12.5	—	17.5	M3	14	8	
CRWU 40- 50R	0.21					50	30			1×15					
CRWU 40- 65R	0.26					65	40			2×15					
CRWU 40- 80R	0.34					80	50			3×15					
CRWU 40- 95R	0.38					95	60			4×15					
CRWU 40-110R	0.46					110	70			5×15					
CRWU 40-125R	0.50					125	80			6×15					
CRWU 60- 55R	0.44	60	±0.1	18.5	±0.1	55	30	25	17.5	—	27.5	M4	18.5	10.5	
CRWU 60- 80R	0.66					80	45			1×25					
CRWU 60-105R	0.85					105	60			2×25					
CRWU 60-130R	1.1					130	75			3×25					
CRWU 60-155R	1.3					155	90			4×25					
CRWU 60-180R	1.5					180	105			5×25					
CRWU 60-205R	1.7					205	130			6×25					



CRW(G)(...-H)
CRWU(G)

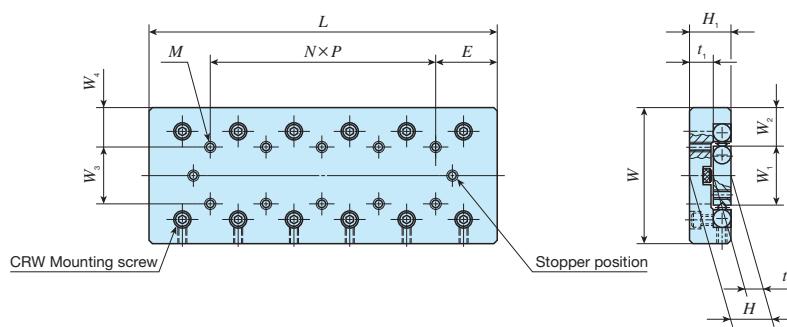
	Center way mounting dimensions and tolerances mm											Basic dynamic load rating	Basic static load rating	Allowable load	Static moment rating		
	W_5	W_6	$N_1 \times P_1$	E_1	M_1	D	Dim. D tolerance	L_6	E_6	W_1	W_2	t_2	C N	C_0 N	F N	T_0 N · m	
-	15	7.5	M2	1×10	—	—	—	—	12.8	8.6	4	380	478	159	3.2		
				2×10								525	717	239	4.8		
				3×10								659	956	319	6.5		
				4×10				30	12.5	8.6	4	786	1 200	398	8.1		
				5×10	2	+0.020 0	30	40				906	1 430	478	9.7		
				6×10				50				1 020	1 670	558	11.3		
				7×10				60				1 140	1 910	638	12.9		
-	20	10	M3	1×15	—	—	—	—	17	11.5	6	896	1 180	392	10.6		
				2×15								2 710	3 660	1 220	26.5		
				2×15	17.5	3	+0.020 0	45	13.1	13.45	8	2 710	3 660	1 220	26.5		
				4×15	10							4 050	6 090	2 030	44.2		
				4×15	17.5			25				3 400	4 880	1 630	35.3		
				5×15	25			60				4 680	7 310	2 440	53.0		
				5×15				32.5				4 680	7 310	2 440	53.0		
17	21.5	15	M4	1×25	4	+0.020 0	35	10	26.6	16.7	8	2 710	3 660	1 220	51.2		
				2×25								4 050	6 090	2 030	85.3		
				3×25								5 270	8 530	2 840	119		
				4×25				110				5 860	9 750	3 250	137		
				5×25				135				6 970	12 200	4 060	171		
				6×25				160				8 040	14 600	4 880	205		
				7×25				185				8 550	15 800	5 280	222		

1N=0.102kgf=0.2248lbs.
1mm=0.03937inch

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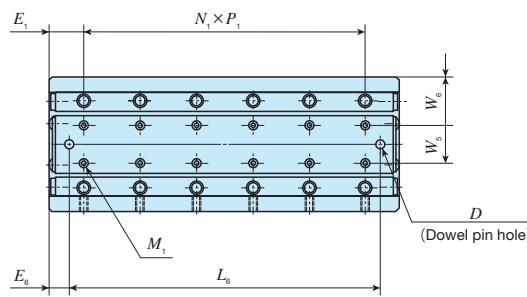
IKO Crossed Roller Way Unit

Shape	CRWU...R					
Size	30	40	60	80	100	145



Identification number	Mass (Ref.) kg	Nominal dimensions and tolerances mm						Table mounting dimensions mm						
		W	Dim. W tolerance	H	Dim. H tolerance	L	Maximum stroke length	W ₃	W ₄	N×P	E	M	H ₁	t ₁
CRWU 80- 85R	1.2	80	± 0.1	24	± 0.1	85	50	40	20	42.5	M5	24	13	
CRWU 80-125R	1.8					125	75							
CRWU 80-165R	2.3					165	105							
CRWU 80-205R	2.9					205	135							
CRWU 80-245R	3.5					245	155							
CRWU 80-285R	4.0					285	185							
CRWU 80-325R	4.6					325	215							
CRWU 100-110R*	2.4	100	± 0.15	31	± 0.1	110	60	50	25	55	M6	31	16	
CRWU 100-160R*	3.6					160	95							
CRWU 100-210R*	4.7					210	130							
CRWU 100-260R*	5.9					260	165							
CRWU 100-310R*	7.0					310	200							
CRWU 100-360R*	8.1					360	235							
CRWU 100-410R*	9.3					410	265							
CRWU 145-210R*	9.4	145	± 0.2	42.5	± 0.1	210	130	85	30	105	M8	43	21	
CRWU 145-310R*	13.9					310	180							
CRWU 145-410R*	18.4					410	350							
CRWU 145-510R*	23.0					510	450							
CRWU 145-610R*	27.5					610	550							
CRWU 145-710R*	32.0					710	650							
CRWU 145-810R*	36.6					810	750							

Remark: The identification numbers with * are our semi-standard items.



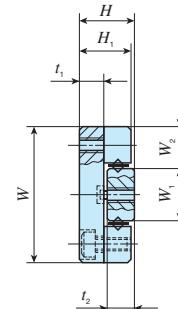
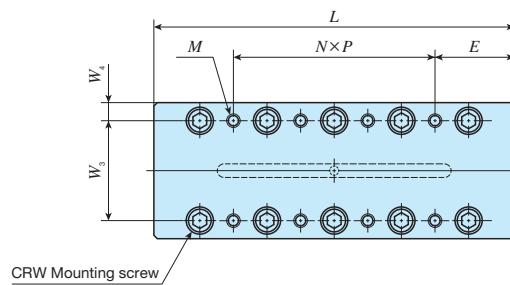
	Center way mounting dimensions and tolerances mm										Basic dynamic load rating C N	Basic static load rating C_0 N	Allowable load F N	Static moment rating T_0 N · m		
	W_5	W_6	$N_1 \times P_1$	E_1	M_1	D	Dim. D tolerance	L_6	E_6	W_1	W_2					
27	26.5	22.5	1×40	M5	5	+0.020 0	55	15	38	21	11	6 640	9 400	3 130	188	
			2×40				95					9 130	14 100	4 700	282	
			3×40				135					10 300	16 500	5 480	329	
			4×40				175					12 500	21 200	7 050	423	
			5×40				215					14 700	25 900	8 620	517	
			6×40				255					16 700	30 600	10 200	611	
			7×40				295					18 700	35 300	11 800	705	
			1×50	M6	5	+0.020 0	70	20	42	29	15	13 900	18 500	6 150	415	
26	37		2×50				120					16 600	23 100	7 690	519	
			3×50				170					21 600	32 300	10 800	727	
			4×50				220					26 300	41 500	13 800	934	
			5×50				270					30 800	50 700	16 900	1 140	
			6×50				320					35 100	60 000	20 000	1 350	
			7×50				370					37 200	64 600	21 500	1 450	
			1×100	M8	5	+0.020 0	150	30	68.4	38.3	21	39 400	52 800	17 600	1 900	
			2×100				250					61 200	92 300	30 800	3 320	
			3×100				350					67 900	106 000	35 200	3 800	
			4×100				450					74 400	119 000	39 600	4 270	
			5×100				550					87 100	145 000	48 400	5 220	
			6×100				650					99 200	172 000	57 200	6 170	
			7×100				750					111 000	198 000	66 000	7 120	

1N=0.102kgf=0.2248lbs.
1mm=0.03937inch

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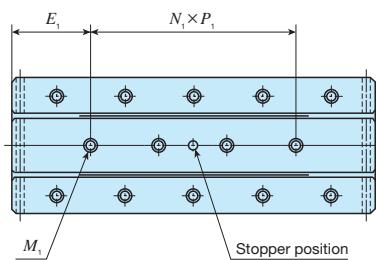
IKO Crossed Roller Way Unit

Shape	CRWU...RS		
	20	30	40



Identification number	Mass (Ref.) kg	Nominal dimensions and tolerances mm						Table mounting dimensions mm			
		W	Dim. W tolerance	H	Dim. H tolerance	L	Maximum stroke length	W ₃	W ₄	N×P	E
CRWU 20- 25RS	0.03	20	± 0.1	8	± 0.1	25	12	14	3	1×18	3.5
CRWU 20- 35RS	0.05					35	18			1×28	
CRWU 20- 45RS	0.06					45	25			1×20	
CRWU 20- 55RS	0.07					55	32			1×30	
CRWU 30- 65RS	0.20	30	± 0.1	12	± 0.1	65	40	22	4	1×30	17.5
CRWU 30- 80RS	0.24					80	50			1×45	
CRWU 30- 95RS	0.29					95	60			2×30	
CRWU 40-105RS	0.58	40	± 0.1	16	± 0.1	105	60	30	5	1×50	27.5
CRWU 40-130RS	0.72					130	75			1×75	
CRWU 40-155RS	0.85					155	90			2×50	

CRW(G)(...-H)
CRWU(G)



				Center way mounting dimensions mm					Basic dynamic load rating <i>C</i> N	Basic static load rating <i>C₀</i> N	Allowable load <i>F</i> N	Static moment rating <i>T₀</i> N · m		
	<i>M</i>	<i>H₁</i>	<i>t₁</i>	<i>W₁</i>	<i>W₂</i>	<i>N₁×P₁</i>	<i>E₁</i>	<i>M₁</i>	<i>t₂</i>					
M2.5	7.5	3.5	7	6.5	2× 7.5	5	7.5	M2.5	4	380	478	159	1.8	
					2×10					525	717	239	2.8	
					3×10					659	956	319	3.7	
					4×10					786	1 200	398	4.6	
					3×15			10	M3	6	1 850	2 940	979	19.1
M3	11.5	5.5	12	9	4×15						2 130	3 530	1 180	22.9
					5×15						2 410	4 110	1 370	26.7
					3×25		15	M4	8	4	4 680	7 310	2 440	63.6
M4	15.5	7.5	16	12	4×25						5 860	9 750	3 250	84.8
					5×25						6 970	12 200	4 060	106