Anti-Creep Cage Crossed Roller Way Unit

CRWUG

Points

● High rigidity and high accuracy

1 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.

● Solves cage creep issue

2 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.

● Wide variation

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

● Easy mounting

4 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, dimensions for each specification to apply.

	1	2		3	1
CRWUG series	CRWUG	60	–	130	
CRWU series	CRWU	60	–	130	R

1 **Model** — Model code Page Ⅱ－57

2 **Width**

3 **Length**

Dimensions Page Ⅱ－57

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

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.

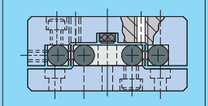
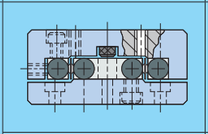
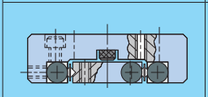
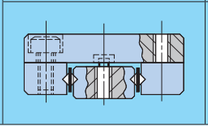
2 Width

20, 30, 40, 60, 80, 100, 145 — Indicate the table width in mm.
For applicable models and width, see Fig. 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···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.

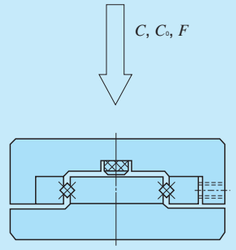


Fig. 1 Direction of load rating

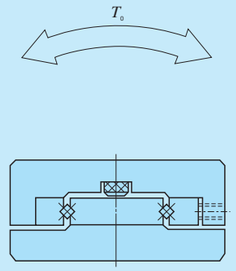


Fig. 2 Direction of static moment rating

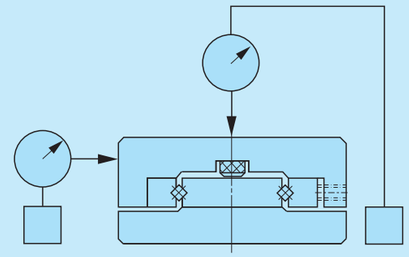
Allowable load

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

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

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

❶ 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.

❷ 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.

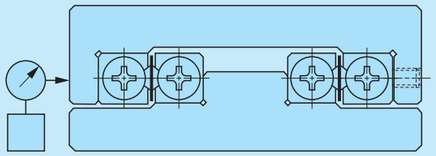


Fig. 3 Example of preload adjustment method

❸ 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.

❹ Maximum velocity

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

❺ 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

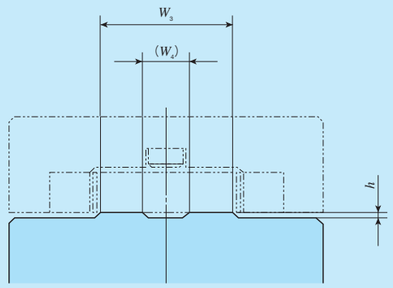
❻ Dowel pin hole of CRWU···R

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.

❼ 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 bed



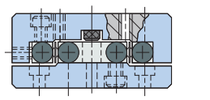
unit: μm

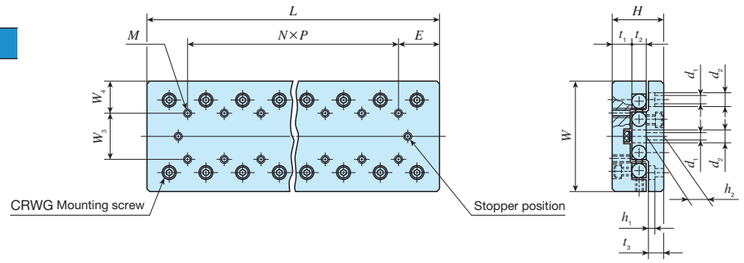
Identification number	h (minimum)	W_3	W_4
CRWU 30 ···R	0.5	13	–
CRWU 40-35R	0.5	18	–
CRWU 40 ···R		13	
CRWU 60 ···R	0.5	26.5	–
CRWU 80 ···R	0.5	38	16
CRWU100 ···R	0.5	42	14
CRWU145 ···R	1.0	68.5	28.5

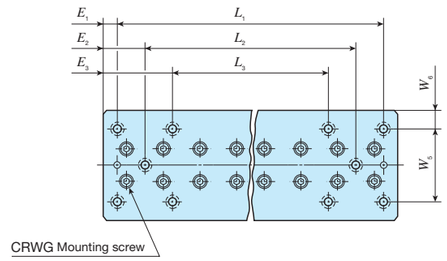
1N=0.102kgf=0.2248lbs.
1mm=0.03937inch

IKO Anti-Creep Cage Crossed Roller Way Unit

Shape	CRWUG
Size	40 / 60 / 80





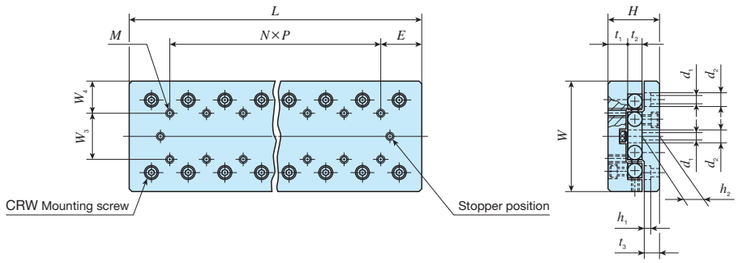


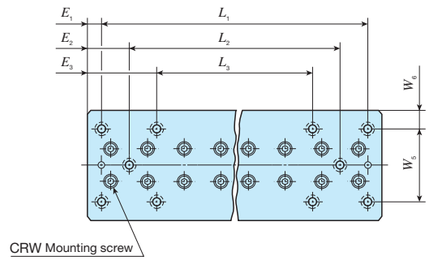
Identification number	Mass (Ref.)	Nominal dimensions and tolerances mm									Table mounting dimensions mm					Bed mounting dimensions mm												Basic dynamic load rating	Basic static load rating	Allowable load	Static moment rating
		W	Dim. W tolerance	H	Dim. H tolerance	L	t_1	t_2	t_3	Maximum stroke length	W_3	W_4	$N\times P$	E	M	W_5	W_6	L_1	E_1	L_2	E_2	L_3	E_3	d_1	d_2	h_1	h_2	C	C_0	F	T_0
	kg																											N	N	N	N · m
CRWUG 40- 35	0.21	40	±0.1	21	±0.1	35	8	6	6.5	18	15	12.5	–	17.5	M3	30	5	25	5.0	–	–	–	–	3.5	6	3.5	7	913	1 180	392	10.6
CRWUG 40- 50	0.30					50	7	8	5.5	30			1×15					40				–	–			3.2	6	2 000	2 440	813	17.7
CRWUG 40- 65	0.36					65				40			2×15					55										2 000	2 440	813	17.7
CRWUG 40- 80	0.47					80				50			3×15					70				40	20					3 430	4 880	1 630	35.3
CRWUG 40- 95	0.53					95				60			4×15					85				55						2 740	3 660	1 220	26.5
CRWUG 40-110	0.63					110				70			5×15					100				70						4 080	6 090	2 030	44.2
CRWUG 40-125	0.70					125				80			6×15					115				85						4 080	6 090	2 030	44.2
CRWUG 60- 55	0.67	60	±0.1	28	±0.1	55	10.5	8	9	30	25	17.5	–	27.5	M4	40	10	35	10.0	–	–	–	–	4.5	7.5	4.5	9.5	2 000	2 440	813	35.3
CRWUG 60- 80	0.99					80				45			1×25					60										3 430	4 880	1 630	70.7
CRWUG 60-105	1.28					105				60			2×25					85				–	–					4 700	7 310	2 440	106
CRWUG 60-130	1.57					130				75			3×25					110										5 300	8 530	2 840	124
CRWUG 60-155	1.86					155				90			4×25					135		85	35							6 440	11 000	3 660	159
CRWUG 80- 85	1.78	80	±0.1	35	±0.1	85	13	11	10.5	50	40	20	–	42.5	M5	60	10	65	10.0	–	–	–	–	5.5	9.5	6	11	5 350	7 050	2 350	145
CRWUG 80-125	2.56					125				75			1×40					80	22.5			–	–					7 960	11 800	3 920	241
CRWUG 80-165	3.34					165				105			2×40					120										9 180	14 100	4 700	289
CRWUG 80-205	4.12					205				135			3×40					160				80	62.5					11 500	18 800	6 270	385

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

IKO Crossed Roller Way Unit

Shape	CRWU
Size	30 40 60 80 100 145





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		W	Dim. W tolerance	H	Dim. H tolerance	L	t_1	t_2	t_3	Maximum stroke length	W_3	W_4	$N\times P$	E	M		W_5	W_6	L_1	E_1	L_2	E_2	L_3	E_3	d_1	d_2	h_1	h_2	C	C_0	F	T_0
	kg																												N	N	N	N · m
CRWU 30- 25	0.09	30	±0.1	17	±0.1	25	7	4	5.5	12	10	10	–	12.5	M2		22	4	18	3.5	–	–	–	–	2.55	4.1	2.5	6	380	478	159	3.2
CRWU 30- 35	0.13					35				18			1×10						28				–	–					525	717	239	4.8
CRWU 30- 45	0.17					45				25			2×10						38										659	956	319	6.5
CRWU 30- 55	0.20					55				32			3×10						48				28						786	1 200	398	8.1
CRWU 30- 65	0.24					65				40			4×10						58				38	13.5					906	1 430	478	9.7
CRWU 30- 75	0.28					75				45			5×10						68				45						1 020	1 670	558	11.3
CRWU 30- 85	0.32					85				50			6×10						78				58						1 140	1 910	638	12.9
CRWU 40- 35	0.21	40	±0.1	21	±0.1	35	8	6	6.5	18	15	12.5	–	17.5	M3		30	5	25	5	–	–	–	–	3.5	6	3.5	7	896	1 180	392	10.6
CRWU 40- 50	0.30					50	7	8	5.5	30			1×15						40				–	–			3.2	6	2 710	3 660	1 220	26.5
CRWU 40- 65	0.37					65				40			2×15						55										2 710	3 660	1 220	26.5
CRWU 40- 80	0.48					80				50			3×15						70				40	20					4 050	6 090	2 030	44.2
CRWU 40- 95	0.54					95				60			4×15						85				55						3 400	4 880	1 630	35.3
CRWU 40-110	0.65					110				70			5×15						100				70						4 680	7 310	2 440	53.0
CRWU 40-125	0.72					125				80			6×15						115				85						4 680	7 310	2 440	53.0
CRWU 60- 55	0.68	60	±0.1	28	±0.1	55	10.5	8	9	30	25	17.5	–	27.5	M4		40	10	35	10	–	–	–	–	4.5	7.5	4.5	9.5	2 710	3 660	1 220	51.2
CRWU 60- 80	1.0					80				45			1×25						60										4 050	6 090	2 030	85.3
CRWU 60-105	1.3					105				60			2×25						85				–	–					5 270	8 530	2 840	119
CRWU 60-130	1.6					130				75			3×25						110										5 860	9 750	3 250	137
CRWU 60-155	1.9					155				90			4×25						135		85								6 970	12 200	4 060	171
CRWU 60-180	2.2					180				105			5×25						160		110	35							8 040	14 600	4 880	205
CRWU 60-205	2.5					205				130			6×25						185		135		85	60					8 550	15 800	5 280	222

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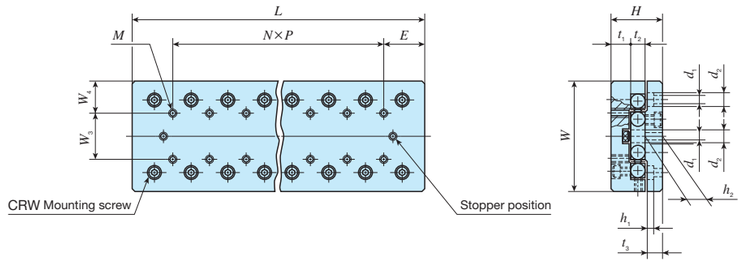
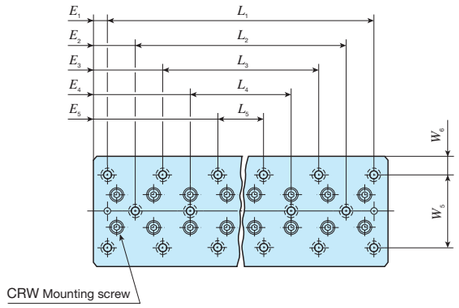
1mm=0.03937inch

IKO Crossed Roller Way Unit

Shape	CRWU
Size	30 40 60 80 100 145





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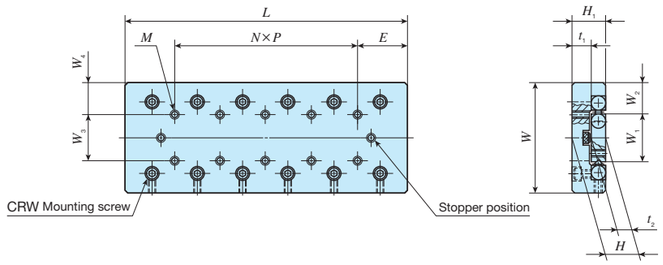
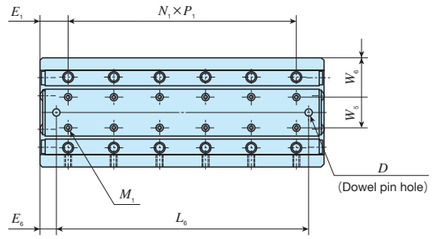
		W	Dim. W tolerance	H	Dim. H tolerance	L	t_1	t_2	t_3	Maximum stroke length	W_3	W_4	$N\times P$	E	M	W_5	W_6	L_1	E_1	L_2	E_2	L_3	E_3	L_4	E_4	L_5	E_5	d_1	d_2	h_1	h_2	C	C_0	F	T_0
	kg					mm																										N	N	N	N·m
CRWU 80- 85	1.8	80	±0.1	35	±0.1	85	13	11	10.5	50	40	20	–	42.5	M5	60	10	65	10	–	–	–	–	–	–	–	–	5.5	9.5	6	11	6 640	9 400	3 130	188
CRWU 80-125	2.6					125				75			1× 40					80	22.5			–	–	–	–	–	–					9 130	14 100	4 700	282
CRWU 80-165	3.4					165				105			2× 40					120														10 300	16 500	5 480	329
CRWU 80-205	4.2					205				135			3× 40					160		–	–	80	62.5	–	–	–	–					12 500	21 200	7 050	423
CRWU 80-245	5.1					245				155			4× 40					200				120										14 700	25 900	8 620	517
CRWU 80-285	5.9					285				185			5× 40					240				160										16 700	30 600	10 200	611
CRWU 80-325	6.7					325				215			6× 40					280				200				120	102.5					18 700	35 300	11 800	705
CRWU 100-110*	3.6	100	±0.15	45	±0.1	110	16	15	13	60	50	25	–	55	M6	60	20	90	10	–	–	–	–	–	–	–	–	7	11	6.5	14	13 900	18 500	6 150	415
CRWU 100-160*	5.2					160				95			1× 50					140														16 600	23 100	7 690	519
CRWU 100-210*	6.9					210				130			2× 50					190		90	60	–	–									21 600	32 300	10 800	727
CRWU 100-260*	8.5					260				165			3× 50					240		140				–	–	–	–					26 300	41 500	13 800	934
CRWU 100-310*	10.2					310				200			4× 50					290		190												30 800	50 700	16 900	1 140
CRWU 100-360*	11.8					360				235			5× 50					340		240		140	110									35 100	60 000	20 000	1 350
CRWU 100-410*	13.5					410				265			6× 50					390		290		190										37 200	64 600	21 500	1 450
CRWU 145-210*	13.2	145	±0.2	60	±0.1	210	21	22	16	130	85	30	–	105	M8	90	27.5	100	55	–	–	–	–	–	–	–	–	9	14	8.5	17.5	39 400	52 800	17 600	1 900
CRWU 145-310*	19.6					310				180			1×100					200		100	155	–	–									61 200	92 300	30 800	3 320
CRWU 145-410*	25.9					410				350			2×100					300		200		100	255	–	–	–	–					67 900	106 000	35 200	3 800
CRWU 145-510*	32.2					510				450			3×100					400		300		200										74 400	119 000	39 600	4 270
CRWU 145-610*	38.6					610				550			4×100					500		400		300										87 100	145 000	48 400	5 220
CRWU 145-710*	45.0					710				650			5×100					600		500		400										99 200	172 000	57 200	6 170
CRWU 145-810*	51.3					810				750			6×100					700		600		500										111 000	198 000	66 000	7 120

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

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

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

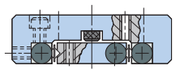


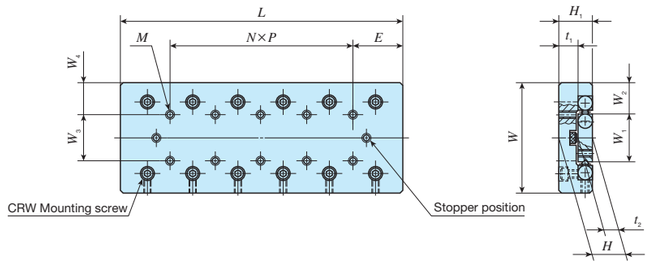


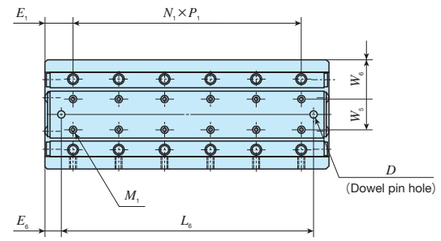
Identification number	Mass (Ref.)	Nominal dimensions and tolerances mm						Table mounting dimensions mm							Center way mounting dimensions and tolerances mm												Basic dynamic load rating	Basic static load rating	Allowable load	Static moment rating
		W	Dim. W tolerance	H	Dim. H tolerance	L	Maximum stroke length	W_3	W_4	N×P	E	M	H_1	t_1	W_5	W_6	$N_1×P_1$	E_1	M_1	D	Dim. D tolerance	L_6	E_6	W_1	W_2	t_2	C	C_0	F	T_0
	kg																										N	N	N	N·m
CRWU 30- 25R	0.06	30	±0.1	11	±0.1	25	12	10	10	–	12.5	M2	11	7	–	15	1×10	7.5	M2	–	–	–	–	12.8	8.6	4	380	478	159	3.2
CRWU 30- 35R	0.08					35	18			1×10							2×10										525	717	239	4.8
CRWU 30- 45R	0.11					45	25			2×10							3×10										659	956	319	6.5
CRWU 30- 55R	0.13					55	32			3×10							4×10			2	+0.020 0	30	12.5				786	1 200	398	8.1
CRWU 30- 65R	0.16					65	40			4×10							5×10					40					906	1 430	478	9.7
CRWU 30- 75R	0.18					75	45			5×10							6×10					50					1 020	1 670	558	11.3
CRWU 30- 85R	0.21					85	50			6×10							7×10					60					1 140	1 910	638	12.9
CRWU 40- 35R	0.13	40	±0.1	14	±0.1	35	18	15	12.5	–	17.5	M3	14	8	–	20	1×15	10	M3	–	–	–	–	17	11.5	6	896	1 180	392	10.6
CRWU 40- 50R	0.21			15		50	30			1×15			15	7			2×15							13.1	13.45	8	2 710	3 660	1 220	26.5
CRWU 40- 65R	0.26					65	40			2×15							2×15	17.5									2 710	3 660	1 220	26.5
CRWU 40- 80R	0.34					80	50			3×15							4×15	10		3	+0.020 0	45	17.5				4 050	6 090	2 030	44.2
CRWU 40- 95R	0.38					95	60			4×15							4×15	17.5					25				3 400	4 880	1 630	35.3
CRWU 40-110R	0.46					110	70			5×15							5×15					60					4 680	7 310	2 440	53.0
CRWU 40-125R	0.50					125	80			6×15							5×15	25					32.5				4 680	7 310	2 440	53.0
CRWU 60- 55R	0.44	60	±0.1	18.5	±0.1	55	30	25	17.5	–	27.5	M4	18.5	10.5	17	21.5	1×25	15	M4	4	+0.020 0	35	10	26.6	16.7	8	2 710	3 660	1 220	51.2
CRWU 60- 80R	0.66					80	45			1×25							2×25					60					4 050	6 090	2 030	85.3
CRWU 60-105R	0.85					105	60			2×25							3×25					85					5 270	8 530	2 840	119
CRWU 60-130R	1.1					130	75			3×25							4×25					110					5 860	9 750	3 250	137
CRWU 60-155R	1.3					155	90			4×25							5×25					135					6 970	12 200	4 060	171
CRWU 60-180R	1.5					180	105			5×25							6×25					160					8 040	14 600	4 880	205
CRWU 60-205R	1.7					205	130			6×25							7×25					185					8 550	15 800	5 280	222

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

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







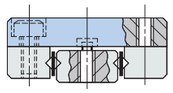
Identification number	Mass (Ref.)	Nominal dimensions and tolerances mm						Table mounting dimensions mm								Center way mounting dimensions and tolerances mm											Basic dynamic load rating	Basic static load rating	Allowable load	Static moment rating
		W	Dim. W tolerance	H	Dim. H tolerance	L	Maximum stroke length	W_3	W_4	N×P	E	M	H_1	t_1		W_5	W_6	$N_1×P_1$	E_1	M_1	D	Dim. D tolerance	L_6	E_6	W_1	W_2	t_2	C	C_0	F	T_0
	kg																										N	N	N	N·m
CRWU 80- 85R	1.2	80	±0.1	24	±0.1	85	50	40	20	–	42.5	M5	24	13		27	26.5	1×40	22.5	M5	5	+0.020 0	55	15	38	21	11	6 640	9 400	3 130	188
CRWU 80-125R	1.8					125	75			1×40								2×40					95					9 130	14 100	4 700	282
CRWU 80-165R	2.3					165	105			2×40								3×40					135					10 300	16 500	5 480	329
CRWU 80-205R	2.9					205	135			3×40								4×40					175					12 500	21 200	7 050	423
CRWU 80-245R	3.5					245	155			4×40								5×40					215					14 700	25 900	8 620	517
CRWU 80-285R	4.0					285	185			5×40								6×40					255					16 700	30 600	10 200	611
CRWU 80-325R	4.6					325	215			6×40								7×40					295					18 700	35 300	11 800	705
CRWU 100-110R*	2.4	100	±0.15	31	±0.1	110	60	50	25	–	55	M6	31	16		26	37	1×50	30	M6	5	+0.020 0	70	20	42	29	15	13 900	18 500	6 150	415
CRWU 100-160R*	3.6					160	95			1×50								2×50					120					16 600	23 100	7 690	519
CRWU 100-210R*	4.7					210	130			2×50								3×50					170					21 600	32 300	10 800	727
CRWU 100-260R*	5.9					260	165			3×50								4×50					220					26 300	41 500	13 800	934
CRWU 100-310R*	7.0					310	200			4×50								5×50					270					30 800	50 700	16 900	1 140
CRWU 100-360R*	8.1					360	235			5×50								6×50					320					35 100	60 000	20 000	1 350
CRWU 100-410R*	9.3					410	265			6×50								7×50					370					37 200	64 600	21 500	1 450
CRWU 145-210R*	9.4	145	±0.2	42.5	±0.1	210	130	85	30	–	105	M8	43	21		46	49.5	1×100	55	M8	5	+0.020 0	150	30	68.4	38.3	21	39 400	52 800	17 600	1 900
CRWU 145-310R*	13.9					310	180			1×100								2×100					250					61 200	92 300	30 800	3 320
CRWU 145-410R*	18.4					410	350			2×100								3×100					350					67 900	106 000	35 200	3 800
CRWU 145-510R*	23.0					510	450			3×100								4×100					450					74 400	119 000	39 600	4 270
CRWU 145-610R*	27.5					610	550			4×100								5×100					550					87 100	145 000	48 400	5 220
CRWU 145-710R*	32.0					710	650			5×100								6×100					650					99 200	172 000	57 200	6 170
CRWU 145-810R*	36.6					810	750			6×100								7×100					750					111 000	198 000	66 000	7 120

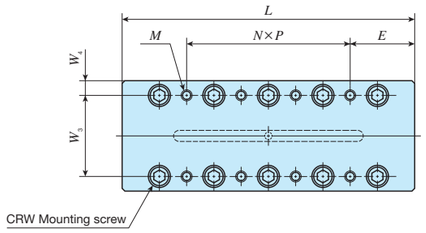
Remark: The identification numbers with * are our semi-standard items.

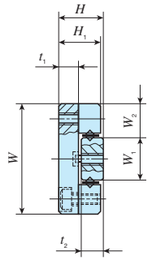
1N=0.102kgf=0.2248lbs.
1mm=0.03937inch

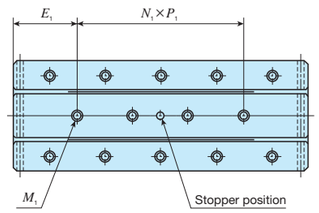
IKO Crossed Roller Way Unit

Shape	CRWU···RS
Size	20 / 30 / 40









Identification number	Mass (Ref.)	Nominal dimensions and tolerances mm						Table mounting dimensions mm				Center way mounting dimensions mm							Basic dynamic load rating	Basic static load rating	Allowable load	Static moment rating
	kg	W	Dim. W tolerance	H	Dim. H tolerance	L	Maximum stroke length	W_3	W_4	$N\times P$	E	M	H_1	t_1	W_1	W_2	$N_1\times P_1$	E_1	M_1	t_2	C N	C_0 N	F N	T_0 N·m
CRWU 20- 25RS	0.03	20	±0.1	8	±0.1	25	12	14	3	1×18	3.5	M2.5	7.5	3.5	7	6.5	2× 7.5	5	M2.5	4	380	478	159	1.8
CRWU 20- 35RS	0.05					35	18			1×28							2×10	7.5			525	717	239	2.8
CRWU 20- 45RS	0.06					45	25			1×20	12.5						3×10				659	956	319	3.7
CRWU 20- 55RS	0.07					55	32			1×30							4×10				786	1 200	398	4.6
CRWU 30- 65RS	0.20	30	±0.1	12	±0.1	65	40	22	4	1×30	17.5	M3	11.5	5.5	12	9	3×15	10	M3	6	1 850	2 940	979	19.1
CRWU 30- 80RS	0.24					80	50			1×45							4×15				2 130	3 530	1 180	22.9
CRWU 30- 95RS	0.29					95	60			2×30							5×15				2 410	4 110	1 370	26.7
CRWU 40-105RS	0.58	40	±0.1	16	±0.1	105	60	30	5	1×50	27.5	M4	15.5	7.5	16	12	3×25	15	M4	8	4 680	7 310	2 440	63.6
CRWU 40-130RS	0.72					130	75			1×75							4×25				5 860	9 750	3 250	84.8
CRWU 40-155RS	0.85					155	90			2×50							5×25				6 970	12 200	4 060	106

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