KITO®

Ultra-lightweight high-capacity strong textile slings with no damage to loads

Kito large capacity round sling RG series

Completely changes the working environment!

Amazing lightness and flexibility! Slings have a weight that is around* 1/3 of the previous products!

* Compared to Kito round sling RE series

Utilizes ultra high molecular weight polyethylene as the core yarn, offering a three times greater strength than polyester!

Comparison of sling mass weight (In the case of 10t x 10m slings)

Steel wire sling:
mass weight
43kg

Previous type
Kito round sling RE series:
mass weight
20.5kg

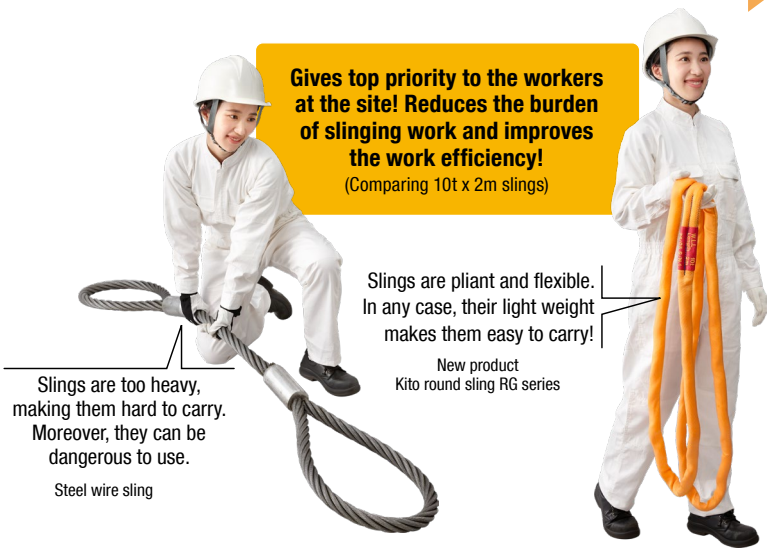
New product
Kito round sling RG series:
mass weight
7.3kg

100% 47% 17%

Allows easy looping of slings onto hooks! Creates extra space in the hook!

Offers outstanding visibility on the site! Sling codes utilize different color tags!
(Example of a RG100 10t sling)

Gives top priority to the workers at the site! Reduces the burden of slinging work and improves the work efficiency!
(Comparing 10t x 2m slings)



Slings are too heavy, making them hard to carry. Moreover, they can be dangerous to use.
Steel wire sling

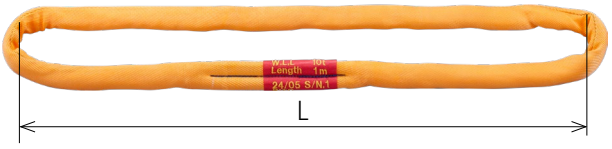
Slings are pliant and flexible. In any case, their light weight makes them easy to carry!
New product
Kito round sling RG series

RG series slings can be completely contained inside a box which size is H + W + L = 60cm. (Comparing 10t x 1m slings)

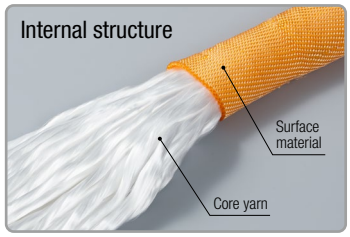

Previous type Kito round sling RE series


New product Kito round sling RG series

Product specifications		
	Materials	Core yarn: Ultra-high molecular weight polyethylene Surface material: Nylon and polyurethane
	Safety factor	6 times or more
	Working environment	Temperature: –30°C to 60°C (When using in the range between 45°C and 60°C, slings should be used at 80% of the maximum working load.)



Color tag labelling examples



Dimensions and specifications [round slings]

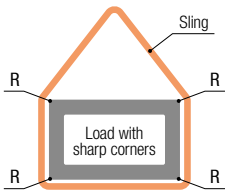
Maximum working load (t)	Item code When placing your order, please specify an item code. Please add your desired sling length L in the□□□. Ordering examples: When the desired sling length L is 5.0m → 0 5 0; When the desired sling length L is 7.5m → 0 7 5	Product code	Color: Surface material	Color: Color tag	Mass weight (When L = 1m) (kg)	Dimensions (mm): W	Dimensions (mm): H	Sling length L (m)
10	RGRE100-7 □□□ 2	RG100	Orange	Red	0.73	40	20	From 0.5m to 50m (in 0.5m intervals)
16	RGRE160-7 □□□ 2	RG160		Navy blue	0.95	50	25	
20	RGRE200-7 □□□ 2	RG200		Purple	1.39	58	27	From 1.0m to 50m (in 0.5m intervals)
25	RGRE250-7 □□□ 2	RG250		Green	1.65	66	29	
32	RGRE320-7 □□□ 2	RG320		Black	2.0	76	32	
40	RGRE400-7 □□□ 2	RG400		Gray	2.7	87	34	
50	RGRE500-7 □□□ 2	RG500		Blue	3.2	100	37	
60	RGRE600-7 □□□ 2	RG600		Red	3.8	110	40	From 2.0m to 50m (in 0.5m intervals)
70	RGRE700-7 □□□ 2	RG700		Purple	4.3	120	42	
80	RGRE800-7 □□□ 2	RG800		Green	5.1	130	43	
90	RGRE900-7 □□□ 2	RG900		Black	5.7	140	45	
100	RGRE1Y0-7 □□□ 2	RG1000		Gray	6.4	148	47	

- For sling lengths L that are not described in the above table, please contact Kito.
- Note that there will be a slight tolerance in the dimensions because textiles are used in these products.
- When using multiple slings for lifting loads, it is recommended that you order all the slings at the same time. Further, while using multiple slings for lifting loads, note that there will also be tolerance errors if you replace some of the slings.
- Kito accepts damaged slings for inspection and repair. Please make separate inquiries as required.
- When using slings for lifting loads which have an edge radius (R), please use protective corners.

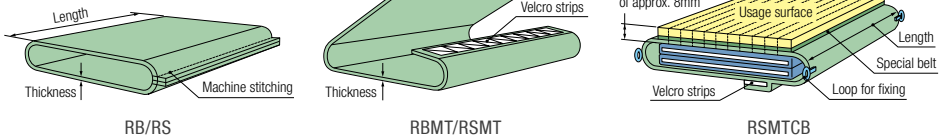
Dimensions and specifications [Protective corners]

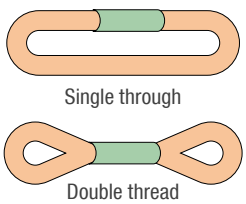
Maximum working load (t)	Product code	Dimensions: Thickness (mm)	Dimensions: Length (m)	Type	Guide for protective corner selection due to radious of edge (R) (mm): R=0	R≦1	1<R≦3	3<R≦5	5<R≦10	10≦R
For loads of 10t to 100t	RB	2			×	×	×	80%	○	
	RS	4		Single pass or double pass	×	50%	80%	○	○	Protective corners are not necessary.
	RBMT	2	0.5		×	×	×	80%	○	
	RSMT	4			×	50%	80%	○	○	
	RSMTCB	8			80%	○	○	○	○	

Use protective corners for the edges of lifted loads.



Configuration schematic diagrams



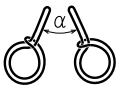


- These protective corners support RG series round slings for loads of 10t to 100t.
- For lengths L that are not described in the above table, please contact Kito.
- Note that it may be necessary to change the maximum working loads of the round slings depending on the edge radius (R) of the lifted load.
- Meanings of symbols: ×= Not possible to use, ○= Possible to use at the maximum working load; for columns describing other values, use the slings while reducing the working loads.

Table of slinging methods and working load limits (W.L.L.)

- The maximum working loads shown are the working loads for straight slinging.
- The working loads will change as shown in the following table depending on the load slinging method.
- Use protective corners for the edges of lifted loads.

(t)

Maximum working load (t)	Slinging method/Angle of loading α/Mode factor									
	Straight	Choked					Basket hitch			
		—	α=0°	0°<α≦45°	45°<α≦90°	90°<α≦120°	α=0°	0°<α≦45°	45°<α≦90°	90°<α≦120°
	1	0.8	1.6	1.4	1.1	0.8	2	1.8	1.4	1
			 (When using two slings together at different angles)				 *			
10	10	8	16	14	11	8	20	18	14	10
16	16	13	26	22	18	13	32	29	22	16
20	20	16	32	28	22	16	40	36	28	20
25	25	20	40	35	28	20	50	45	35	25
32	32	26	51	45	35	26	64	58	45	32
40	40	32	64	56	44	32	80	72	56	40
50	50	40	80	70	55	40	100	90	70	50
60	60	48	96	84	66	48	120	108	84	60
70	70	56	112	98	77	56	140	126	98	70
80	80	64	128	112	88	64	160	144	112	80
90	90	72	144	126	99	72	180	162	126	90
100	100	80	160	140	110	80	200	180	140	100

* When using two slings together, the maximum working loads will be two times the values shown in the table.

Precautions for Use

Before using the slings, please carefully read "Owner's Manual" to allow correct use.

If the white core of the sling can be seen, stop using the sling.

If the sling surface material has been damaged due to abrasion or tearing and the white internal core has become visible, stop using the sling.
Further, if you feel any hardness or unevenness in the thickness of parts of the sling, it will be in a dangerous condition.

For lifting loads that have edges, be sure to use padding such as protective corners.

When lifting angular loads, be certain to apply padding such as protective corners over the corners and carefully lift the load while maintaining the balance so that there will be no sideways slippage.
[Sideways slippage is strictly prohibited]
There is danger that the slings will break.

These slings cannot be used for lifting high temperature items.

The sling usage temperature is from –30°C up to 60°C. When using in the range between 45°C and 60°C, slings should be used at 80% of the maximum working load.

The use of these slings in environments where they will be contacted by chemical agents is strictly prohibited.

In environments where they are contacted by chemical agents such as acids and alkalis, their use is strictly prohibited because the strength of these slings will be reduced.

KITO®

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