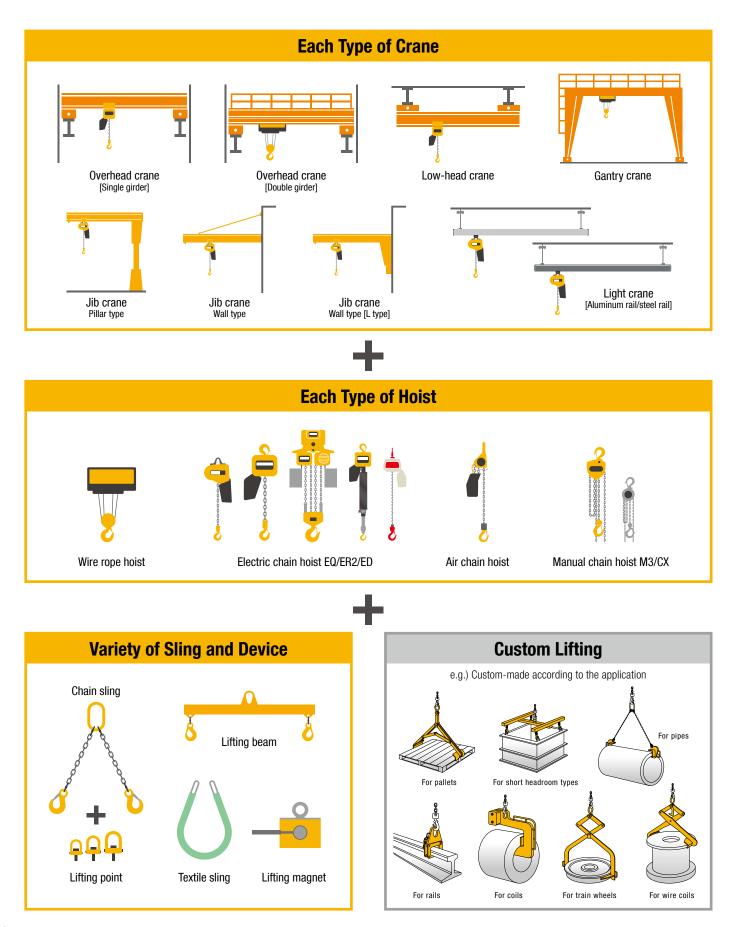


Supporting ideal lifting work with outstanding quality

KITO CHAIN SLING 100 S5 Series

KITO provide all equipment from crane to below the hook devises.

KITO provide total crane system combining various crane & hoist, and manufacture custom-made design according to customers demanding.





INDEX

KITO Chain Sling 100 [S5 Series]

Applications	4
Features of the KITO Chain Sling 100 [S5 Series]	6
Link Chain Specification Table	6
KITO Sling Tag	7
Table of Lifting and Working Load Limits	8
How to select of slings	9

Fittings Components

Examples of Fittings Embossed Marking1	0
Selection Table of Kit of Pin for Clevis Hook1	1
Clevis Type [Fittings Components] 1	2
Eye Type [Fittings Components] 1	4

Assembled	17
How to Understand Each Code	
Clevis Type [Assembled]	
Single Leg Sling Double Leg Sling	
Triple Leg Sling Quadruple Leg Sling	
Eye Type [Assembled]	
Single Leg Sling Double Leg Sling	21
Triple Leg Sling Quadruple Leg Sling	
Eye Type (HMF) [Assembled]	22
Triple Leg Sling Quadruple Leg Sling	

Examples of Components

[Clevis Type/Eye Type] •The case of ø7mm chains

KITO Large Master Link HMG/HMH

Large Master Link HMG/HMH Specification Table 25	
Combinations of Hi-coupling for Use with the Large Master Link HMG/HMH 25	
Eye Type (HMG/HMH) [Assembled]	
Single Leg Sling Double Leg Sling 26	
Triple Leg Sling Quadruple Leg Sling	

Precautions for Use/ Recommendations for Correct Equipment Administration Back Cover

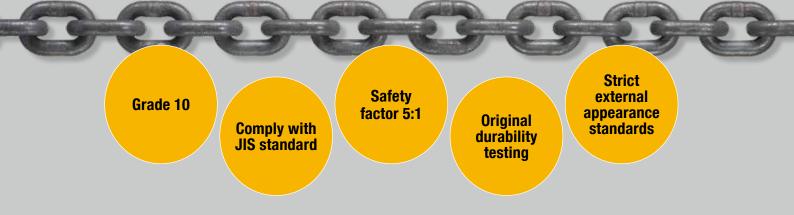
23





Since one of the most trustworthy companies for hoist and crane in this industry, KITO can realize the following qualities

KITO's Sling Chain is high quality as same as load chain used with Hoists.



















Advanced chain manufacturing technologies realize outstanding link chains

[Ultimate Elongation]

KITO link chains have both a high breaking stress and toughness due to the advanced chain manufacturing technologies that are utilized. This is verified by the numerical value of 20% or more achieved for the ultimate elongation based on the JIS standards requirements.

[Bending capacity]

Concerning the strength in the link bending direction, the use of advanced welding technologies gives the links sufficient absorbability as shown by the photograph (right) of the result of bending test, and no breakage or cracking occurs. (However, this does not indicate that the product should



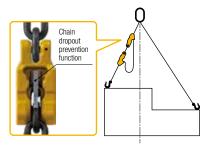
be used until it reaches the condition shown in the photograph.)

"Adjustment of length" can be made, which is not possible when using wires

Chain slings can have their lengths adjusted in single link units to conduct load tilt adjustment or quickly change the sling length, which is not possible when using wires. Depending on the application, the shortening clutch (VWW) should be used.

Shortening Clutch (VWW)

When using with workload with different heights on the left and right, the Shortening Clutch can be used to shorten the chain on one side, enabling well-balanced work. Also, the Shortening Clutch has a chain dropout prevention function so that the chain will not drop out unexpectedly. Once the length has been set, work can be conducted repeatedly.



Wide range of variations allow selection of the optimum combination for any application

Standard link chains are provided in various diameters from ø6.0mm to ø20.0mm to support work lifting heavy and large-sized objects. The link chain and fitting combinations offer clevis-type products with exclusive retaining pins, and eye-type products which use Hi-couplings. Since a wide range of fittings are also available, it is possible to freely select from among single leg, double leg, triple leg, quadruple leg, and endless types to match the usage purpose.



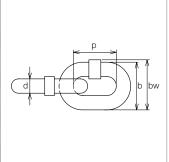
Allows use even in severe working environments.

The KITO Chain Sling 100 [S5 Series] is actively utilized even in severe working environments. Nickel-plated chain specifications, which are resistant to rusting, are recommended for environments that are greatly affected by rainwater, seawater, steam and chemicals. Please consult KITO when you intend to use products for special applications such as in acid or alkaline solutions.

* Please contact KITO for chain slings other than standard products.

Link Chain Specification Table

Chain Diameter d (mm)	Code	Working Load Limit (t)	Pitch p (mm)	Outside Width b (mm)	Maximum Outside Width bw (mm)	Breaking Force (kN)	Mass (Weight) per Meter (kg)
Ø6.0	SV2060	1.1	18.0	21.8	22.2	56.5	0.83
Ø7.0	SV2070	1.5	21.0	25.4	25.9	77	1.15
Ø8.0	SV2080	2.0	24.0	29.0	29.6	101	1.43
Ø10.0	SV2100	3.2	30.0	36.2	37.0	160	2.23
Ø13.0	SV2130	5.2	39.0	45.5	48.1	268	3.78
Ø16.0	SV2160	8.0	48.0	56.0	59.2	402	5.85
Ø20.0	SV2200	12.5	60.0	70.0	74.0	630	9.5



•Comply with JIS standard

KITO Sling Tag

Every KITO CHAIN SLING 100 [S5 Series] product has a KITO Sling Tag attached. The KITO Sling Tag is an important item for carrying out safe work, so be sure to confirm that the tag is attached to the product before starting work.

KITO gives its primary consideration to safety.



The following important information is described on the Kito Sling Tag.

Method of Lifting and Working Load Limits

Manufacture Date Chain Diameter Management Number (Optional)

For Single Leg Sling

For Double/ Triple/ Quardruple Leg Sling

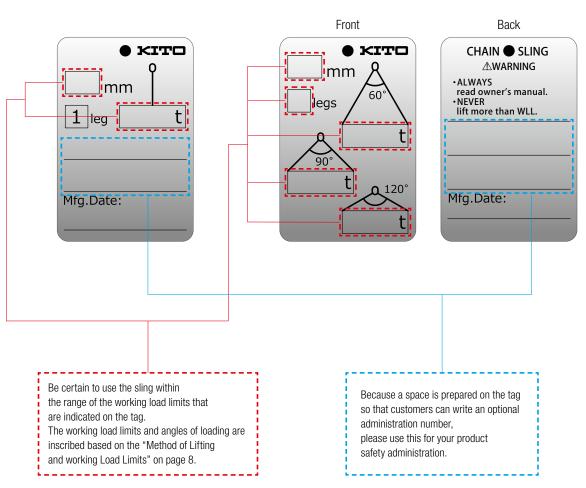


Table of Lifting and Working Load Limits

•KITO CHAIN SLING 100 [S5 Series] •Large Master Link HMG/HMH and Master Link with Sub Links HMF

Note	Note that in the case of using the Large Master Link HMG/HM the "Slinging Methods and W.L.L. (Working Load Limits)" will Please refer to the appropriate tables and use the product wi	be different.
	In order to use products safely over a long period, when using	Work that is carried out with high frequency or when the working load is applied continuously

Reductions in the Working Load Limits In order to use products safely over a long period, when using products under the conditions described on the right, the working load limits should be reduced to 80% and the appropriate slings should be selected.

(Unit: t)

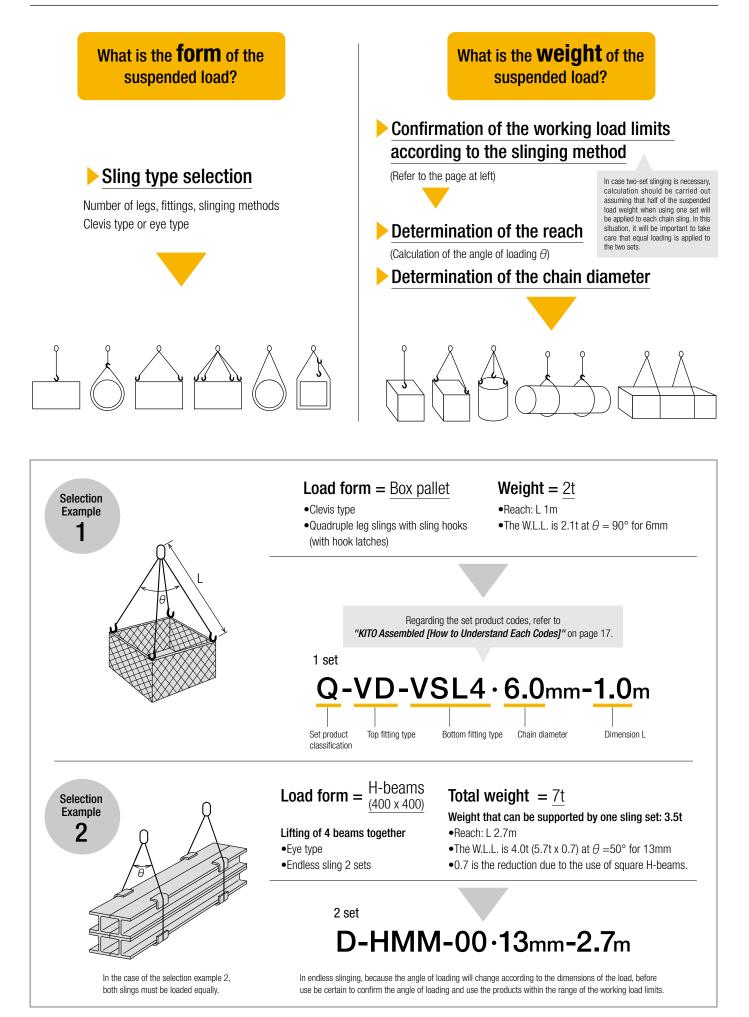
2 Work in which vibration is applied continuously

3 Usage by incorporation in an automatic line

		Slinging with Fittings								Slinging with Fittings															(Unit: t)
			J		wiut i'i	langs								End	less	*						Cho	oke Hi	tch	
Slinging Method		*	م م	*	a a a a a a a a a a a a a a a a a a a	لى مەرى	*		*		000000000000000000000000000000000000000								موجود مرکز مرکز مرکز مرکز مرکز مرکز مرکز مرکز						
		Single Leg	Do	uble L	egs		iple ar druple				Double	e Legs				C	luadru	ple Leg	S		Single Leg	Do	uble Le	egs	Double Choke Hitch
Angle of Loa	ding $ heta$	_	60°	90°	120°	60°	90°	120°	60°	90°	120°	60°	90°	120°	60°	90°	120°	60°	90°	120°	-	60°	90°	120°	_
	ø6.0	1.1	1.7	1.5	1.1	2.4	2.1	1.5	1.7	1.5	1.1	1.2	1.1	0.7	2.4	2.1	1.5	1.8	1.5	1.1	0.7	1.2	1.1	0.7	1.1
	ø7.0	1.5	2.4	2.1	1.5	3.2	2.8	2.0	2.4	2.1	1.5	1.6	1.5	1.0	3.2	2.8	2.0	2.5	2.1	1.5	1.0	1.6	1.5	1.0	1.5
Chain	ø8.0	2.0	3.2	2.8	2.0	5.0	4.0	2.8	3.2	2.8	2.0	2.2	2.0	1.4	5.0	4.0	2.8	3.6	2.8	2.0	1.4	2.2	2.0	1.4	2.0
Diameter (mm)	ø10.0	3.2	5.1	4.5	3.2	8.0	6.4	4.5	5.1	4.5	3.2	3.6	3.2	2.2	8.0	6.4	4.5	5.6	4.5	3.2	2.2	3.6	3.2	2.2	3.2
	ø13.0	5.2	8.0	7.3	5.2	12.5	10.4	7.3	8.0	7.3	5.2	5.7	5.2	3.6	12.5	10.4	7.3	9.0	7.3	5.2	3.6	5.7	5.2	3.6	5.2
	ø16.0	8.0	12.5	11.2		20.0						9.0	8.0	5.6	20.0	16.0	11.2	14.0	11.2	8.0	5.6	9.0	8.0	5.6	8.0
	ø20.0	12.5	20.0	18.0	12.5	32.0	25.0	18.0	20.0	18.0	12.5	14.0	12.5	9.0	32.0	25.0	18.0	22.4	18.0	12.5	9.0	14.0	12.5	9.0	12.5
	ø6.0	1.1	1.7	1.5	1.1	2.0	2.0	1.5	1.7	1.5	1.1	1.2	1.1	0.7	2.0	2.0	1.5	1.8	1.5	1.1	0.7	1.2	1.1	0.7	1.1
	ø7.0	1.5	2.0	2.0	1.5	3.2	2.8	2.0	2.0	2.0	1.5	1.6	1.5	1.0	3.2	2.8	2.0	2.5	2.1	1.5	1.0	1.6	1.5	1.0	1.5
When Using	ø8.0	2.0	3.2	2.8	2.0	5.0	4.0	2.8	3.2	2.8	2.0	2.2	2.0	1.4	5.0	4.0	2.8	3.6	2.8	2.0	1.4	2.2	2.0	1.4	2.0
the Large Master Link	ø10.0	3.2	5.0	4.5	3.2	8.0	6.4	4.5	5.0	4.5	3.2	3.6	3.2	2.2	8.0	6.4	4.5	5.6	4.5	3.2	2.2	3.6	3.2	2.2	3.2
HMG/HMH	ø13.0	5.0	8.0	7.3	5.2	11.5	10.4	7.3	8.0	7.3	5.2	5.7	5.2	3.6	11.5	10.4	7.3	9.0	7.3	5.2	3.6	5.7	5.2	3.6	5.2
	ø16.0	8.0	11.5	11.2	8.0	_	-	-	11.5	11.2	8.0	9.0	8.0	5.6	-	_	_	_	-	-	5.6	9.0	8.0	5.6	8.0
	ø20.0	11.5	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-	9.0	-	-	-	-
	ø6.0					2.8	2.2	1.5							2.8	2.2	1.5	1.9	1.5	1.1					
	ø7.0					3.8	3.0	2.1							3.8	3.0	2.1	2.6	2.1	1.5					
When Using the Master	ø8.0					5.0	4.0	2.8							5.0	4.0	2.8	3.5	2.8	2.0					
Link with	ø10.0	-	-	-	-	8.0	6.4	4.5	-	-	-	-	-	-	8.0	6.4	4.5	5.6	4.5	3.2	-	-	-	-	-
Sub Links HMF	ø13.0					13.0	10.4	7.3							13.0	10.4	7.3	9.1	7.3	5.2					
	ø16.0					20.0	16.0	11.2							20.0	16.0	11.2	14.0	11.2	8.0					
	ø20.0					32.0	25.0	18.0							32.0	25.0	18.0	22.4	18.0	12.5					

•For slinging methods that have a "*" mark, in situations where the chain is used by hooking on a grab hook (in order to adjust the length, etc.) the working load limits will become 70% of the values shown in the above table. For slinging methods that do not have a "*" mark, no load reduction will be required.

•The yellow-colored numerical values in the tables are exclusive values for "When Using the Large Master Link HMG/HMH" and "When Using the Master Link HMF with Sub Links" respectively.

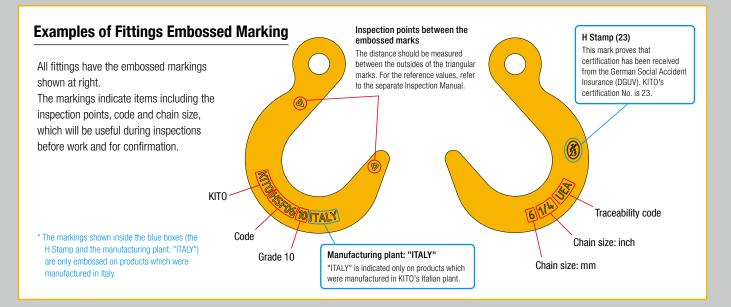




Fittings Components

Clevis-type and eye-type fittings components are available for KITO CHAIN SLING 100 products. Selection can be made from among a wide range of types to match the usage purposes.





Selection Table of Kit of Pin for Clevis Hook

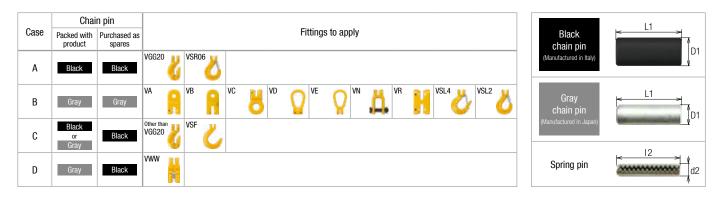
There are two colors of chain pins, gray and black. For more details, refer to the description below.

Before starting chain pin replacement work, it will be necessary to certainly confirm that the fitting code is appropriate by checking the label of the kit of pin.

Note: If mistaken work is conducted by inserting spring pins into fitting holes which do not match the spring pin diameter, it is possible that the spring pins and chain pins may drop out.

All clevis-type fittings have chain pins and spring pins packed together with them.

When purchasing as spares, the color of these pins may differ from the colors of the chain pins that were packaged together with the product when it was purchased. However, it has no problem in practical use.



Chain Diameter (mm)	Code	Chain Pin D1 x L1 (mm)	Spring Pin d2 x l2 (mm)				Applicab	le Fittings			
	VPA06	47 Fu17 F	ø2.5x16	VSF06	VGG06	VWW06	VSR06				
ø6.0	VP2060K	ø7.5x17.5	ø3x20	VE2060 💡	VD206	VSL4060	VN2060	VA2060	VB2060	VC2060 😸	VR2060
	VPA07		ø3x22	VSF07 💍	VGG007 🎸	vwwo7					
ø7.0	VP2070K	ø9x22.5	ø3x25	VE2070 💡	VD20706 🕜	VSL4070	VN2070	VA2070 🤗	VB2070	VC2070 📙	VR2070
	VP2070		ø3x20	VSL2070							
40.0	VPA08	a10v00 E	ø3x22	VSF08	VGG08	VWW08					
ø8.0	VP2080K	ø10x22.5	ø3x25	VE2080 💡	VD20807 🕜	VSL4080	VN2080	VA2080	VB2080	VC2080 😸	VR2080
	VPA10	ø13x31.5	ø3.5x28	VSF10 💍	VGG10	VWW10					
ø10.0	VP2100K	Ø13X31.3	ø4x32	VE2100 💡	VD21008	VSL4100	VN2100	VA2100	VB2100	VC2100 📙	VR2100
	VP2100B	ø13x29.5	ø3x26	VSL2100							
	VPA13	a16v40	ø4x35	VSF13	VGG13	VWW13					
ø13.0	VP2130K	ø16x42	ø5x40	VE2130 💡	VD21310	VSL4130	VN2130	VA2130	VB2130	VC2130 😸	VR2130
	VP2130B	ø16x37	ø4x36	VSL2130							
	VPA16	#01vE1 E	ø4.5x40	VSF16 💍	VGG16	VWW16					
ø16.0	VP2160K	ø21x51.5	ø5x50	VE2160 💡	VD21613	VSL4160	VN2160	VA2160	VB2160	VC2160 📙	VR2160
	VP2160B	ø20x52	ø4.5x40	VSL2160							
#00 0	VPA20	ø25x73	ø5x50	VGG20							
ø20.0	VP2200K	ø24x73	ø6x63	VE2200	VD22016	VSL4200	VN2200	VA2200	VB2200	VC2200 📙	VR2200
(ø20.0)	VP2250	ø32x95	ø10x70	VD20020 💡							

Clevis Type [Fittings Components]

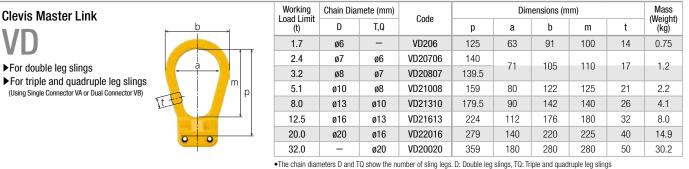
•When assembling the fittings components, assemble them correctly according to the separate "Assembly Manual".

•The specifications of clevis-type fittings components are shown in the tables below. For the link chain specification table, refer to page 6.

•Each fitting has the chain pins and spring pins attached.

•The weight of each fitting includes the weights of the chain pins and spring pins.

Clevis Master Link	h	Working	Chain	Code		Di	mensions (m	m)		Mass (Waight)
	b	Load Limit (t)	Diameter (mm)	COUC	р	а	b	m	t	(Weight) (kg)
		1.1	ø6	VE2060	115	56	79	90	11.5	0.38
	a l	1.5	ø7	VE2070 VE2080	131	63	91	100	14	0.65
►For single leg slings		2.0	ø8		130.5	03		100		0.05
		3.2	ø10	VE2100	146	71	105	110	17	1.1
		5.2	ø13	VE2130	169.5	80	122	125	21	2.2
		8.0	ø16	VE2160	199	90	142	145	26	4.3
		12.5	ø20	VE2200	250	112	176	180	32	8.5



Single Connector р Single Conr Dual Connector VB Triple

Working	Chain	Onda		Dimensions (mm)								
Load Limit (t)	Diameter (mm)	Code	р	h	b	I	t	(Weight) (kg)				
1.1	ø6	VA2060	39.5	38	22	69	7	0.23				
1.5	ø7	VA2070	43	30	27	75.5	8	0.31				
2.0	ø8	VA2080	50	44	21	84.5	10	0.39				
3.2	ø10	VA2100	59	54	34	102	12.5	0.72				
5.2	ø13	VA2130	80	66	42	132	16	1.5				
8.0	ø16	VA2160	99	84	54	167	20	3.0				
12.5	ø20	VA2200	119.5	102	68	201	25	5.3				

Single Connector	Working Load Limit	Chain Diameter	Code		Dir	mensions (m	m)		Mass (Weight)
	(t)	(mm)	Coue	р	h	b	I	t	(weight) (kg)
	1.7	ø6	VB2060	39.5	38	48	70	7	0.34
	2.4	ø7	VB2070	43	38	57	77	8	0.47
((()))) Dual Connector VB	3.2	ø8	VB2080	50	44	57	86	10	0.62
	5.1	ø10	VB2100	59	54	72	104	12.5	1.2
	8.0	ø13	VB2130	80	66	90	134	16	2.3
	12.5	ø16	VB2160	99	84	114	170	20	4.9
	20.0	ø20	VB2200	119.5	102	142	205	25	8.6

Working Load Limit (t) Chain Dimensions (mm) Mass Sling Hook (Weight) (kg) Diameter Code р b n m' S t VSL (VSL4) (mm)VSL4060 85 38 26 24.5 18 0.55 1.1 45 ø6 VSL4070 1.5 100 ø7 0.94 44 50 31 30 21.8 2.0 VSL4080 99.5 ø8 ø10 VSL4100 37.5 27.2 3.2 119 54 56 39 17 VSL4130 46 47.5 34.5 5.2 140 66 63 3.5 ø13 VSL4160 168.5 45 8.0 ø16 84 75 53 60 7.0 12.5 ø20 VSL4200 209 102 95 68 56 75 11.8

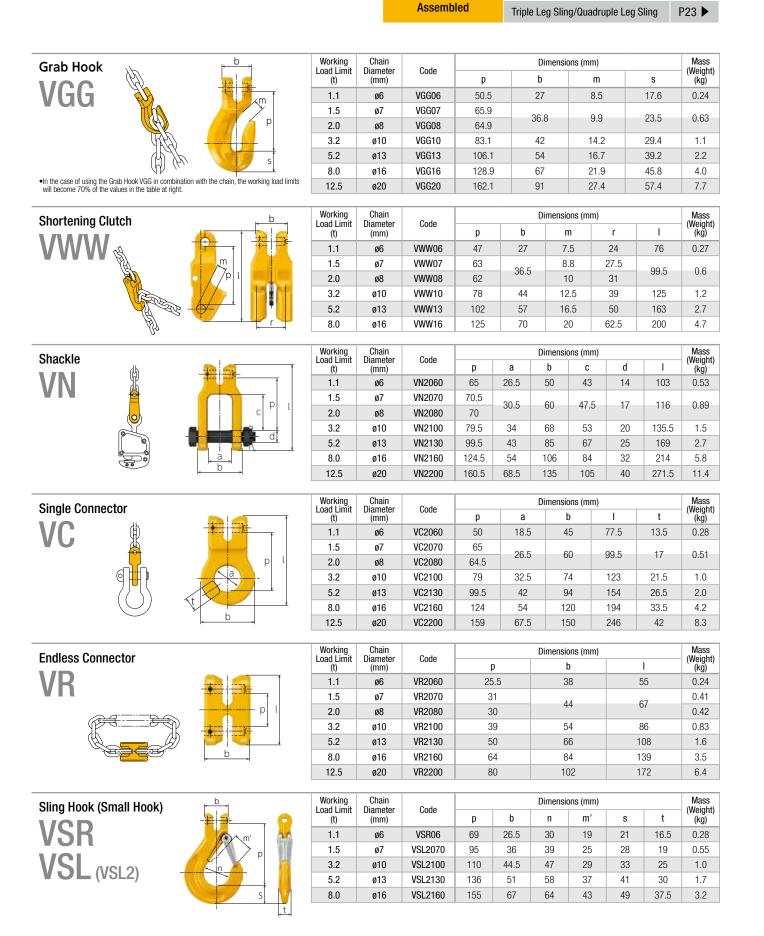
Foundry Hook	b d	Working Load Limit	Chain Diameter	Code		Mass (Weight)				
	- <mark>1 5</mark> , 🙆	(t)	(mm)	COUE	р	b	n	S	t	(Weight) (kg)
VSF W		1.1	ø6	VSF06	92	27	53	26	21.5	0.68
		1.5	ø7	VSF07	115.5	36.5	64	31	26	1.4
		2.0	ø8	VSF08	115	30.5	04	51	20	1.4
		3.2	ø10	VSF10	137	42.5	78	36	32	2.3
6 P	s	5.2	ø13	VSF13	163	55	89	43	39	4.2
	t t	8.0	ø16	VSF16	195	70	101	50.5	45	6.7

Clevis Type [Fittings Components]

[Clevis type]

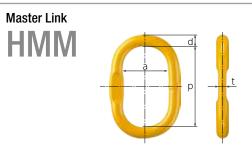
Single Leg Sling/Double Leg Sling

P22 🕨



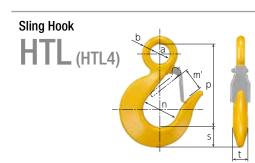
- •When assembling the fittings components, assemble them correctly according to the separate "Assembly Manual".
- •The specifications of eye-type fittings components are shown in the tables below. For the link chain specification table, refer to page 6.
- •In addition to using the eye-type components by assembling them as KITO CHAIN SLING 100 products, they can also be used for many other purposes.

• Each fitting is not provided with a Hi-coupling HC. This should be ordered at the same time when placing the order for the fitting.



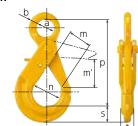
Working Load Limit	Chain	Diamete	(mm)	Code		Dimensio	ons (mm)		Mass (Weight)	
(t)	S	D	T,Q	Code	р	а	d	t	(weight) (kg)	
1.1	ø6	-		HMM0706			13.5	12	0.34	
1.7	ø7	ø6			110	60	13.0	12	0.34	
2.4	ø8	ø7	ø6	HMM0807			16	13.5	0.53	
3.2	ø10	ø8	ø7	HMM1008	135	75	19	15.5	0.92	
5.2	ø13	ø10	ø8	HMM1310	160	90	23	19.5	1.6	
8.0	ø16	ø13	ø10	HMM1613	180	100	27	21.5	2.5	
12.5	ø20	ø16	ø13	HMM2016	200	110	33	27.5	4.2	
20.0	-	ø20	ø16	HMM2220	275	150	38	31.5	7.5	

•The chain diameters S, D and TQ show the number of sling legs. S: Single leg slings, D: Double leg slings, TQ: Triple and quadruple leg slings



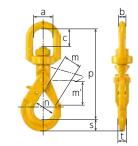
Working Load Limit	Chain Diameter	Code			Dim	nensions (r	Dimensions (mm)									
(t)	(mm)	COUE	р	а	b	n	m'	S	t	(Weight) (kg)						
1.1	ø6	HTL4060	100	23	11	45	26	24.5	18	0.49						
1.5	ø7	HTL4080	120	27	13.5	50	31	30	21.8	0.84						
2.0	ø8	TIL4000	120 27	13.0	50	51	30	21.0	0.04							
3.2	ø10	HTL4100	140	32.5	17	56	39	37.5	27.2	1.6						
5.2	ø13	HTL4130	171	38	21.5	63	46	47.5	34.5	3.0						
8.0	ø16	HTL4160	200	46	26.5	75	53	60	45	5.7						
12.5	ø20	HTL4200	250	54	34	95	68	75	56	10.4						





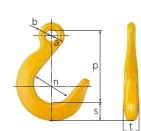
Working Load Limit	Chain Diameter	Code	Dimensions (mm)										
(t)	(mm)	COUE	р	а	b	n	m	m'	S	t	(Weight) (kg)		
1.1	ø6	HJJ06	110	21	12	35	28	28	20.5	16	0.56		
1.5	ø7	HJJ08	136	27	12	43.5	34	34	26	20	1.0		
2.0	ø8	HJJUO	130	21	12	43.5	34	34	20	20	1.0		
3.2	ø10	HJJ10	168.5	34.5	15	56	45	45	30	24.5	1.7		
5.2	ø13	HJJ13	205	40	20	69	51.5	51.5	40	34.5	3.4		
8.0	ø16	HJJ16	251.5	50	27	80	60	60	50	36.5	6.4		

Swivel Hook HJK



Working Load Limit	Chain Diameter	Code	Dimensions (mm)									
(t) (mm)	Coue	р	а	b	C	n	m	m'	S	t	(Weight) (kg)	
1.1	ø6	HJK06	160	35	13	32	35	28	28	20.5	16	0.84
1.5	ø7	HJK08	181	35	13	32	43.5	34	34	26	20	1.2
2.0	Ø8	ПJKUO	101	30	13	32	45.5	34	34	20	20	1.2
3.2	ø10	HJK10	218.5	42	16	39	56	45	45	30	24.5	2.1
5.2	ø13	HJK13	267.5	50	20.5	45.5	69	51.5	51.5	40	34.5	4.2

Foundry	Hook
HS	



Working Load Limit	Chain Diameter	Code			Dimensio	ns (mm)			Mass (Weight)
(t)	(mm)	Couc	р	а	b	n	S	t	(weight) (kg)
1.1	ø6	HSF06	102	15	11	53	26	21.5	0.65
1.5	ø7	HSF08	123	18	13.5	63	31	26	1.2
2.0	ø8	13100	125	10	13.0	03	51	20	1.2
3.2	ø10	HSF10	149	22	16	77	36	32	2.1
5.2	ø13	HSF13	173.5	27	19	88	43	39	3.5
8.0	ø16	HSF16	205	32	24	100	50	45	5.6
12.5	ø20	HSF20	237	38	27	115	61	51	8.1

[Eye Type]

Assembled

Single Leg Sling/Double Leg Sling P22

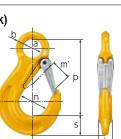
Triple Leg Sling/Quadruple Leg Sling P23

Grab Hook			Working Load Limit	Chain Diameter	Code		C	imensions (mm	1)		Mass (Weight)
	14	b	(t)	(mm)	Cone	р	а	b	m	S	(Weight) (kg)
H(j(j	M.		1.1	ø6	HGG06	64	18	10.3	8.5	17.6	0.24
	101	₩	1.5	ø7		83.1	24	13.6	9.5	24.4	0.57
	$\mathbb{O}_{\mathbb{A}}$	р	2.0	ø8	ø8 HGG08	00.1	24	13.0	9.0	24.4	0.57
	(A))		3.2	ø10	HGG10	106.1	31	16	14.2	29.4	1.1
			5.2	ø13	HGG13	132	38	20	16.7	39.2	2.3
	(J/G)		8.0	ø16	HGG16	166.5	48	27.1	21.9	46	4.2
	An ~`		12.5	ø20	HGG20	207.5	60	33	27.4	57.4	8.0

• In the case of using the Grab Hook HGG in combination with the chain, the working load limits will become 70% of the values in the table at right.

Hi-coupling	. g .	Working Load Limit		Dimensions (mm)								Mass (Weight)	
		(t)	(mm)	COUE	р	а	b	C	d	е	f	g	(weight) (kg)
HG		1.1	ø6	HC3060	48	16.8	45	17.5	8	14	14	11.2	0.1
		1.5	ø7	HC3070	55	19.4	51	19	9.4	16.8	16	13.1	0.18
		2.0	ø8	HC3080	63	22	57	23	10.6	17.5	18	15	0.21
		3.2	ø10	HC3100	75	26.5	70	27	13.1	22.3	22	18.7	0.42
		5.2	ø13	HC3130	96	34	89	36	16.8	28.8	30	24.3	0.86
	a f	8.0	ø16	HC3160	118	41.5	110	45	20	36	36	30	1.7
		12.5	ø20	HC3200	142	52.5	136	53	25	45	45	37.5	3.2
<u> </u>		Working	Chain					Dimens	ions (mm)				Mass

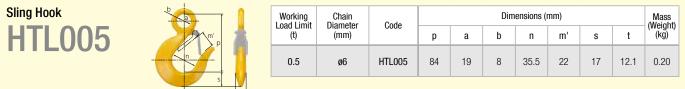
Sling Hook (Small Hook) HSR HTL (HTL2)



Working Load Limit	Chain Diameter	Code		Dimensions (mm)								
(t)	(mm)	Code	р	а	b	n	m'	S	t	(Weight) (kg)		
1.1	ø6	HSR06	84.5	20	10	30	19	21	16.5	0.36		
1.5	ø7	HTL2080	101	23.5	11	39	25	27	19	0.5		
2.0	ø8	HIL2000	101	23.0	11	- 39	25	21	19	0.5		
3.2	ø10	HTL2100	131	32.5	16	47	29	33	26	0.97		
5.2	ø13	HTL2130	159	41.5	19	58	37	43	33	1.9		
8.0	ø16	HTL2160	183	48	24.5	64.5	43	48.5	40	3.3		
12.5	ø20	HTL2200	203	52.5	27	76	52.5	53	51	4.5		

The Master Link with Sub Links is a master link that has sub links attached. It should be used with triple leg slings or quadruple leg slings. Because the working load limits are different from those of the Master Link HMM (page 14), it has exclusive "Slinging Methods and W.L.L. (Working Load Limits)". Please refer to "When Using the Master Link with Sub Links HMF" described on page 8.

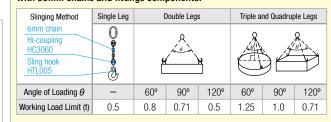
Working Load Limit (t) Master Link with Sub Links Chain Dimensions (mm) Mass (Weight) (kg) Diameter (mm) Code d d1 р а d p1 a1 2.8 ø6 HMF07 135 75 19 60 38 13.5 1.4 3.8 ø7 For triple and quadruple leg slings HMF08 2.4 5.0 ø8 160 90 23 70 34 16 HMF10 8.0 ø10 180 100 27 85 40 20 3.9 HMF13 13.0 200 110 33 115 50 23 6.6 ø13 20.0 HMF16 38 ø16 275 150 140 65 27 11.5 32.0 ø20 HMF20 350 190 50 150 70 33 23.0



The HTL005 and HSR06 allow combination with smaller-sized eye bolts than the HTL4060.

Working Load		JIS Eye Bolts	M8	M10	M12	M16	M20	M24	M30	C +
	Code	Thickness c (mm)	6.3	8	10	12.5	16	20	25	X
Limit (t)		Internal Diameter b (mm)	20	25	30	35	40	50	60	(-(+))
(9		Working Load Limit (kg)	80	150	220	450	630	950	1.5t	
0.5	HTL005	Combination	-	0	0	0	_	_	_	
1.1	HSR06		-	—	0	0	0	-	-	
	HTL4060		-	—	—	0	0	0	0	JIS Eye Bolts

The HTL005 should be used in combination with ø6mm chains and fittings components.





KITO CHAIN SLING 100 [S5 Series]

Assembled

Clevis-type and eye-type fittings components are available for KITO CHAIN SLING 100 products. Selection can be made from among a wide range of types to match the usage purposes.

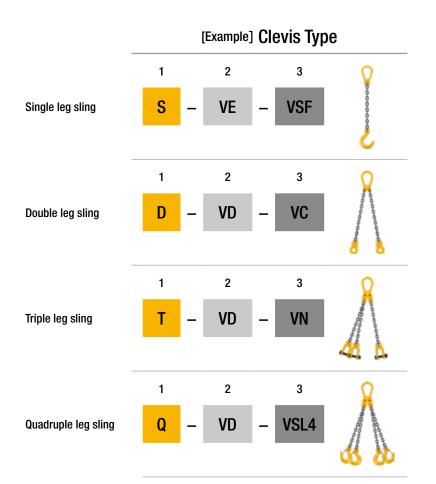


The codes of the KITO Assembly Sets are configured from the three types described below.

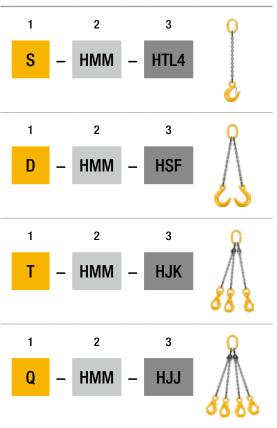
1	Set Product Classification									
Single leg sling Single chain suspension										
D	Double leg sling	Double chain suspension								
т	Triple leg sling	Triple chain suspension								
Q Quadruple leg sling Quadruple chain suspension										
•This shows the basic system of Assembled.										

2	Top Fitting						
VE	Clevis Master Link VE						
VD	Clevis Master Link VD						
НММ	Master Link HMM						
HMG	Master Link HMG						
HMH	Master Link HMH						
HMF	Master Link with Sub Links HMF						
VSL4	Sling Hook VSL (VSL4)						
VSR	Sling Hook VSR06						
VSL2	Sling Hook VSL (VSL2)						
HTL4	Sling Hook HTL (HTL4)						
HSR	Sling Hook HSR06						
HTL2	Sling Hook HTL (HTL2)						
VWW	Shortening Clutch VWW						

3	Bottom Fitting							
HGG	Grab Hook HGG							
HJJ	Self Locking Hook HJJ							
HJK	Swivel Hook HJK							
HMM	Master Link HMM							
HMG	Master Link HMG							
HMH	Master Link HMH							
HSF	Foundry Hook HSF							
HTL4	Sling Hook HTL (HTL4)							
HSR	Sling Hook HSR06							
HTL2	Sling Hook HTL (HTL2)							
VC	Single Connector VC							
VE	Clevis Master Link VE							
VSF	Foundry Hook VSF							
VGG	Grab Hook VGG							
VN	Shackle VN							
VSL4	Sling Hook VSL (VSL4)							
VSR	Sling Hook VSR06							
VSL2	Sling Hook VSL (VSL2)							
VWW	Shortening Clutch VWW							
00	Endless							



[Example] Eye Type



•A combination of a clevis type of top fitting and an eye type of bottom fitting is also available.

 $\bullet A$ combination of an eye type of top fitting and a clevis type of bottom fitting is also available.

The KITO Chain Sling 100 offers a wide range of types of Assembled, from single leg slings to quadruple leg slings, to realize selections that match the usage purposes. Further, since the assembly is extremely simple to carry out, link chains and fittings can be prepared as components in factories and workplaces so that they can be assembled for use whenever necessary to match the usage purpose.

For slinging methods that have a """ mark, in situations where the chain is used by hooking on a grab hook (in order to adjust the length, etc.) the working load limits will become 70% of the values shown in the table below. For more details, refer to "Table of Lifting and Working Load Limits" on page 8.
Reaches (dimensions L) other than the values described in the table can also be supported, so please contact KITO for more information.
The photographs of the Assembled show images of the combinations. The actual number of chain links will differ according to the dimension L, so contact KITO for more information.

Clevia	<mark>s Type</mark> Si	ngle Leg S	Sling										
						00000000000000000000000000000000000000			0-000000-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0		L		
S-VE-V	E S-VE-VSL4	S-VE-VSF	S-VE-V	/GG* S	S-VE-VC	S-VE-VI	N S-V	/E-VWW	S-VSL4-VS	L4 S-VSL4	-VGG* S-VS	SL4-VWW S	S-VWW-VWW
Working Load Limit (t)	Chain Diameter (mm) (x Number of Chains)	Dimensions (mm) Mass (Weight)	S-VF-VF	S-VE-VSI 4	S-VE-VSE	S-VE-VGG*	S-VE-VC	1	Code	S-VSI 4-VSI 4	S-VSI 4-VGG*	S-VSI 4-VWW	S-VWW-VWW
(4	(A realized of original)	(kg) Reach: L	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.14
1.1	ø6(x1)	Mass (Weight) of Kit	1.3	2.0	2.2	1.3	1.3	2.0	1.8	2.2	2.0	2.0	0.14
		Reach: L	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.17
1.5	ø7(x1)	Mass (Weight) of Kit	2.7	3.0	3.5	2.8	2.7	3.0	2.8	3.4	3.1	3.2	1.3
2.0	a9(v1)	Reach: L	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.18
2.0	ø8(x1)	Mass (Weight) of Kit	3.1	3.4	3.9	3.2	3.1	3.4	3.2	3.8	3.5	3.6	1.4
3.2	ø10(x1)	Reach: L	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.24
5.2		Mass (Weight) of Kit	5.0	5.7	6.2	5.3	5.0	5.5	5.3	6.3	6.0	6.1	2.6
5.2	5.2 ø13(x1)	Reach: L	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.29
		Mass (Weight) of Kit	10.8	12.4	12.8	11.1	10.9	11.6	11.8	13.7	12.4	13.4	5.9
8.0	ø16(x1)	Reach: L	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.35
		Mass (Weight) of Kit Reach: L	21.3 3.0	24.0 3.0	23.7	21.5 3.0	21.7 3.0	23.3 3.0	22.0	27.2 3.0	20.2 3.0	25.8	10.3
12.5													

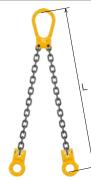
Clevis Type

Double Leg Sling



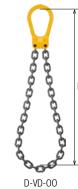


D-VD-VSF

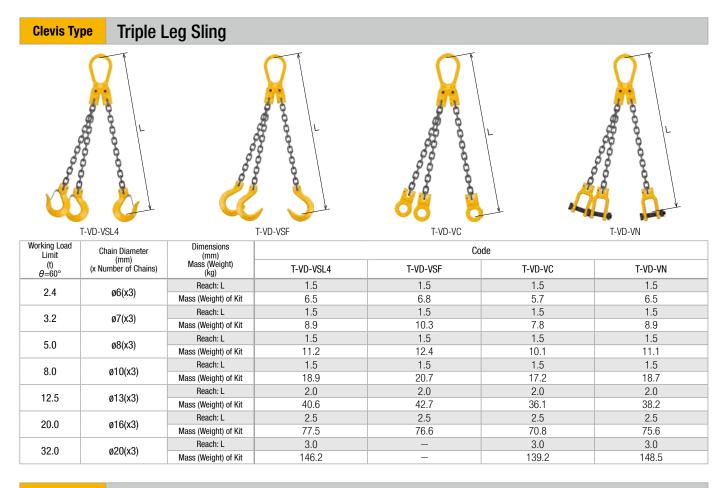


D-VD-VC



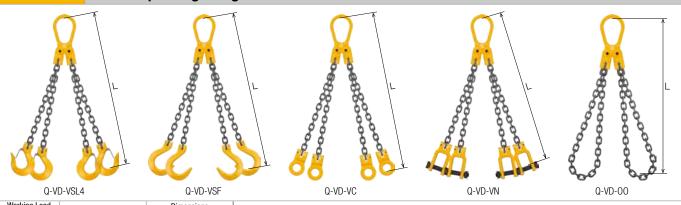


Working Load Chain Diameter Limit (t) (mm)		Dimensions (mm)	Code						
$\theta = 60^{\circ}$ (x Number of Chains)	Mass (Weight) (kg)	D-VD-VSL4	D-VD-VSF	D-VD-VC	D-VD-VN	D-VD-00			
1.7 ø6(x2)	Reach: L	1.5	1.5	1.5	1.5	1.5			
	Mass (Weight) of Kit	4.0	4.2	3.5	4.0	3.0			
2.4 ø7(x2)	Reach: L	1.5	1.5	1.5	1.5	1.5			
	Mass (Weight) of Kit	5.9	6.8	5.1	5.9	4.3			
3.2 ø8(x2)	Reach: L	1.5	1.5	1.5	1.5	1.5			
3.2	ø8(x2)	Mass (Weight) of Kit	6.8	7.5	5.9	6.7	5.1		
5.1	a10(v2)	Reach: L	1.5	1.5	1.5	1.5	1.5		
5.1	ø10(x2)	Mass (Weight) of Kit	11.2	12.4	10.1	11.1	8.3		
8.0	a12(v2)	Reach: L	2.0	2.0	2.0	2.0	2.0		
0.0	ø13(x2)	Mass (Weight) of Kit	24.2	25.6	21.8	23.2	18.2		
10.5	a16(v2)	Reach: L	2.5	2.5	2.5	2.5	2.5		
12.5	ø16(x2)	Mass (Weight) of Kit	46.8	46.2	42.3	45.5	34.7		
20.0	#20(v2)	Reach: L	3.0	—	3.0	3.0	3.0		
20.0	ø20(x2)	Mass (Weight) of Kit	86.4	-	81.7	87.9	66.8		



Clevis Type

Quadruple Leg Sling

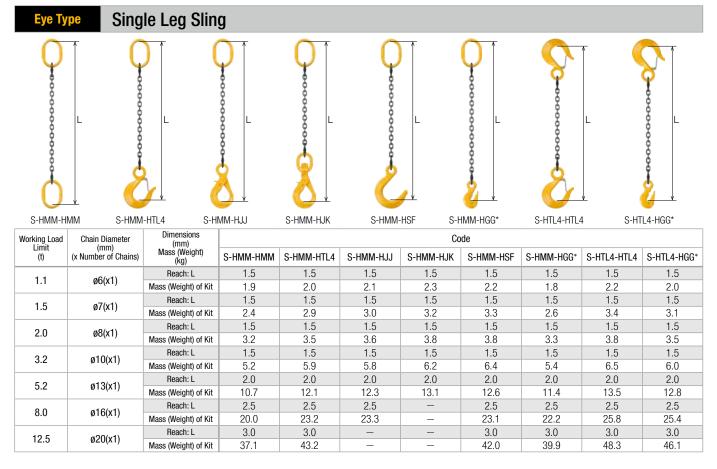


Working Load Limit	Chain Diameter (mm)	Dimensions (mm)		Code						
$\theta = 60^{\circ}$	(x Number of Chains)	Mass (Weight) (kg)	Q-VD-VSL4	Q-VD-VSF	Q-VD-VC	Q-VD-VN	Q-VD-00			
2.4	2.4 ø6(x4)	Reach: L	1.5	1.5	1.5	1.5	1.5			
2.4		Mass (Weight) of Kit	8.1	8.6	7.1	8.1	6.2			
3.2	ø7(v4)	Reach: L	1.5	1.5	1.5	1.5	1.5			
3.2	3.2 Ø7(x4)	Mass (Weight) of Kit	11.4	13.2	9.9	11.4	8.1			
5.0	5.0 ø8(x4)	Reach: L	1.5	1.5	1.5	1.5	1.5			
5.0	Ø0(X4)	Mass (Weight) of Kit	14.1	15.7	12.7	13.9	10.8			
8.0	ø10(x4)	Reach: L	1.5	1.5	1.5	1.5	1.5			
0.0	Ø10(X4)	Mass (Weight) of Kit	23.6	26.0	21.4	23.4	17.8			
12.5	a12(v4)	Reach: L	2.0	2.0	2.0	2.0	2.0			
12.5	ø13(x4)	Mass (Weight) of Kit	51.0	53.8	45.0	47.8	38.4			
20.0	a16(v4)	Reach: L	2.5	2.5	2.5	2.5	2.5			
20.0	ø16(x4)	Mass (Weight) of Kit	97.0	95.8	88.0	94.4	72.9			
22.0	a20(x4)	Reach: L	3.0	-	3.0	3.0	3.0			
32.0	32.0 ø20(x4)	Mass (Weight) of Kit	183.6	-	174.1	186.5	144.3			

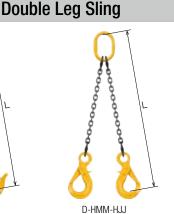
The KITO Chain Sling 100 offers a wide range of types of Assembled, from single leg slings to quadruple leg slings, to realize selections that match the usage purposes. Further, since the assembly is extremely simple to carry out, link chains and fittings can be prepared as components in factories and work places so that they can be assembled for use whenever necessary to match the usage purpose.

•For slinging methods that have a "*" mark, in situations where the chain is used by hooking on a grab hook (in order to adjust the length, etc.) the working load limits will become 70% of the values shown in the table below. For more details, refer to "Table of Lifting and Working Load Limits" on page 8. •Reaches (dimensions L) other than the values described in the table can also be supported, so please contact KITO for more information.

•The photographs of the Assembled show images of the combinations. The actual number of chain links will differ according to the dimension L, so contact KITO for more information.



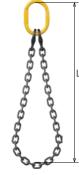






D-HMM-HJK

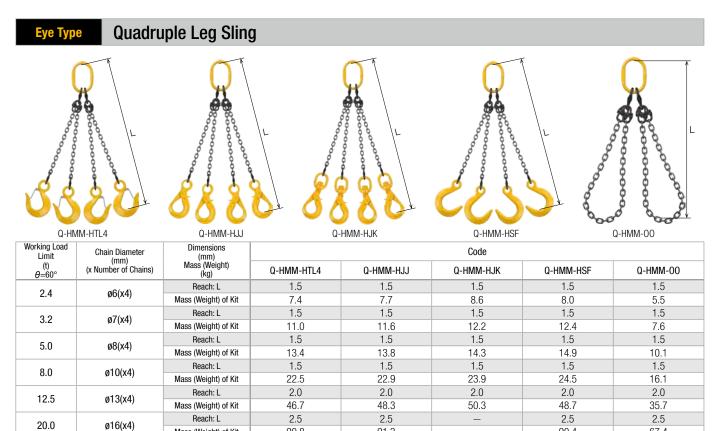




D-HMM-00

Working Load Limit (t)	Chain Diameter	Dimensions (mm)	Code						
$\theta = 60^{\circ}$	(mm) (x Number of Chains)	Mass (Wéight) (kg)	D-HMM-HTL4	D-HMM-HJJ	D-HMM-HJK	D-HMM-HSF	D-HMM-00		
1.7	46(v2)	Reach: L	1.5	1.5	1.5	1.5	1.5		
1.7	1.7 Ø6(x2)	Mass (Weight) of Kit	3.7	3.8	4.3	4.0	3.0		
2.4	a7(v0)	Reach: L	1.5	1.5	1.5	1.5	1.5		
2.4	2.4 Ø7(x2)	Mass (Weight) of Kit	5.6	5.8	6.1	6.3	4.3		
2.2	3.2 ø8(x2)	Reach: L	1.5	1.5	1.5	1.5	1.5		
3.2		Mass (Weight) of Kit	6.6	7.0	7.2	7.4	5.5		
5.1	a10(v2)	Reach: L	1.5	1.5	1.5	1.5	1.5		
5.1	ø10(x2)	Mass (Weight) of Kit	11.1	11.3	11.9	12.1	8.9		
8.0	a12(v2)	Reach: L	2.0	2.0	2.0	2.0	2.0		
0.0	ø13(x2)	Mass (Weight) of Kit	23.5	23.8	24.8	24.5	19.2		
12.5	ø16(x2)	Reach: L	2.5	2.5	—	2.5	2.5		
12.0	Ø10(XZ)	Mass (Weight) of Kit	44.4	45.8	—	44.2	36.6		
20.0	ø20(x2)	Reach: L	3.0	—	—	3.0	3.0		
20.0	₩20(XZ)	Mass (Weight) of Kit	83.3	_	_	78.7	69.9		





91.3

Mass (Weight) of Kit

90.8

67.4

90.4

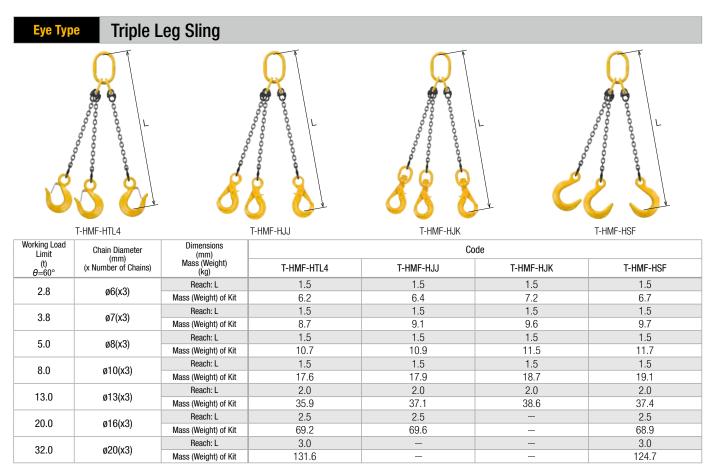
—

Master Link with Sub Links HMF

•Reaches (dimensions L) other than the values described in the table can also be supported, so please contact KITO for more information.

•The photographs of the Assembled show images of the combinations.

The actual number of chain links will differ according to the dimension L, so contact KITO for more information.



Еуе Туре

Quadruple Leg Sling





Q-HMF-HJJ

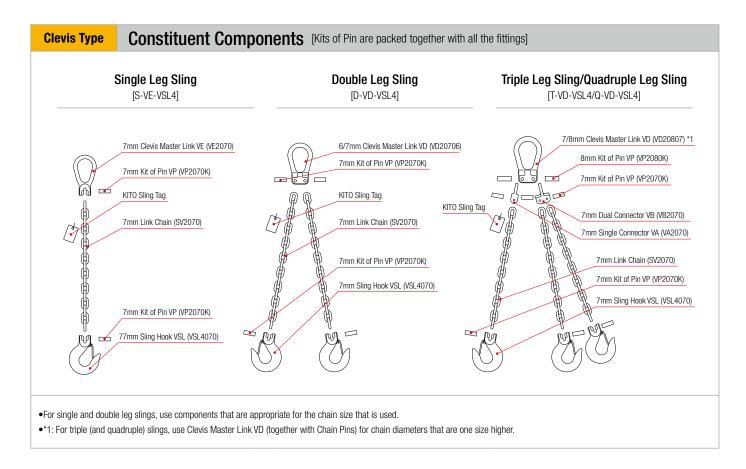


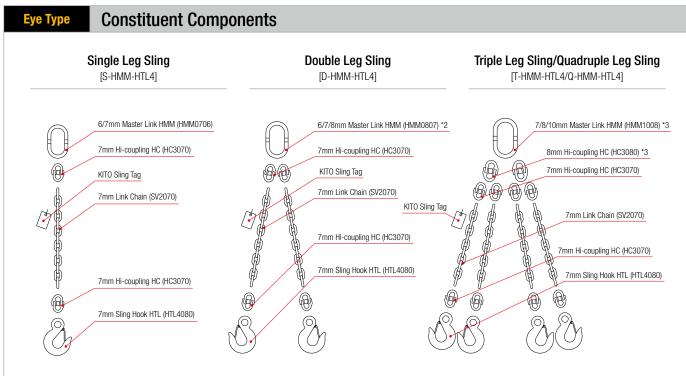
Q-HMF-HJK



Q-HMF-HSF

Working Load Limit	Chain Diameter (mm)	Dimensions (mm)		Code						
$\theta = 60^{\circ}$	(x Number of Chains)	Mass (Weight) (kg)	Q-HMF-HTL4	Q-HMF-HJJ	Q-HMF-HJK	Q-HMF-HSF				
2.8	ø6(x4)	Reach: L	1.5	1.5	1.5	1.5				
2.0		Mass (Weight) of Kit	7.8	8.1	9.1	8.4				
3.8	a7(v4)	Reach: L	1.5	1.5	1.5	1.5				
3.0	ø7(x4)	Mass (Weight) of Kit	11.1	11.7	12.3	12.5				
5.0	a0(v4)	Reach: L	1.5	1.5	1.5	1.5				
5.0	ø8(x4)	Mass (Weight) of Kit	13.4	13.8	14.6	14.8				
8.0	a10(v4)	Reach: L	1.5	1.5	1.5	1.5				
0.0	ø10(x4)	Mass (Weight) of Kit	22.2	22.6	23.6	24.2				
13.0	a10(v4)	Reach: L	2.0	2.0	2.0	2.0				
13.0	ø13(x4)	Mass (Weight) of Kit	45.7	47.3	49.3	47.7				
20.0	a16(v4)	Reach: L	2.5	2.5	—	2.5				
20.0	ø16(x4)	Mass (Weight) of Kit	88.4	88.9	-	88.0				
22.0	a20(v/l)	Reach: L	3.0	-	-	3.0				
32.0	ø20(x4)	Mass (Weight) of Kit	167.8	-	—	158.6				





•For single leg slings, use components that are appropriate for the W.L.L. (Working Load Limit) of the link chain that is used.

•*2: For double leg slings, only the Master Links should use components for working load limits that are one level higher.

•*3: For quadruple (and triple) leg slings, use Master Links for working load limits that are two levels higher, and use Hi-couplings (for the Sub Links) for working load limits that are one level higher.

In the case of using Large Master Link, refer to "Hi-coupling Combinations for Use with the Large Master Link HMG/HMH" on page 25.
 In the case of using Master Link with Sub Links HMF, because the constituent components will be different, contact KITO for more details.

KITO Large Master Link HMG/HMH

•Large Master Link HMG/HMH Specification Table

•Combinations of Hi-coupling for Use with the Large Master Link HMG/HMH



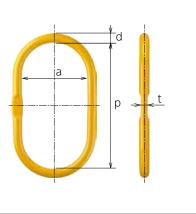
Large Master Link for Use on Work Sites with Large Cranes!

The link's large width makes it suitable for use with various types of large-sized cranes, tower cranes, and wire rope hoists.



Large Master Link HMG/HMH Specification Table

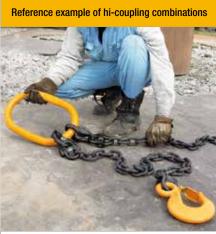
Working Load Limit	Cha	in Diameter (mm)	Code		Dimensi		Mass		
(t)	S	D	T,Q	Code	р	а	d	t	(Weight) (kg)	
1.1	ø6	_	_							
1.5	ø7	_	_	HMG0807			17	14	1.2	
1.7	—	ø6	—	nivid0007	225	112	17	14	1.2	
2.0	ø8	ø7	ø6		225					
3.2	ø10	ø8	ø7	HMG1008			20	17	1.6	
5.0	ø13	ø10	ø8	HMG1310			23	20	2.2	
8.0	ø16	ø13	ø10	HMH1613	340	180	36	29.5	8.1	
11.5	ø20	ø16	ø13	HMH2016	340	100	40	34.5	10.1	



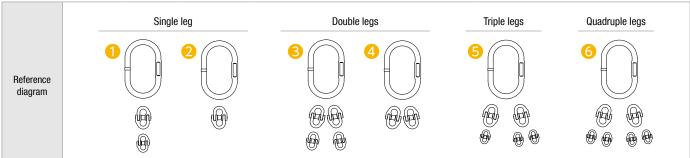
•The chain diameters S, D and TQ show the number of sling legs. S: Single leg slings, D: Double leg slings, TQ: Triple and quadruple leg slings

Combinations of Hi-coupling for Use with the Large Master Link HMG/HMH

Slinging Method	Working Load Limit (t)	Chain Diameter (mm)	Master Link	Hi-co	upling	Reference diagram	Reference
	1.1	ø6	HMG0807	HC3080	HC3060		A VIII
	1.5	ø7	HMG0807	HC3080	HC3070	1	
	2.0	ø8	HMG0807	HC3080	-		ter all
Single leg	3.2	ø10	HMG1008	HC3100	_		1-
icy	5.0	ø13	HMG1310	HC3130	-	2	Alle
	8.0	ø16	HMH1613	HC3160	_		1 and
	11.5	ø20	HMH2016	HC3200	-		
	1.7	ø6	HMG0807	HC3080x2	HC3060x2		-200
	2.0	ø7	HMG0807	HC3080x2	HC3070x2	3	and grand
Double	3.2	ø8	HMG1008	HC3080x2	_		122
legs	5.0	ø10	HMG1310	HC3100x2	_	4	S. A.L
	8.0	ø13	HMH1613	HC3160x2	HC3130x2		Section Sec
	11.5	ø16	HMH2016	HC3200x2	HC3160x2	3	
	2.0	ø6	HMG0807	HC3080x2	HC3060x3		In the case
	3.2	ø7	HMG1008	HC3080X2	HC3070x3		Large Mast with hi-cour
Triple legs	5.0	ø8	HMG1310	HC3100X2	HC3080x3	5	table at left.
iegs	8.0	ø10	HMH1613	HC3160X2	HC3100x3		
	11.5	ø13	HMH2016	HC3200x2	HC3130x3		
	2.0	ø6	HMG0807	HC3080x2	HC3060x4		
	3.2	ø7	HMG1008	HC3080x2	HC3070x4		
Quadruple	5.0	ø8	HMG1310	HC3100x2	HC3080x4	6	
legs	8.0	ø10	HMH1613	HC3160x2	HC3100x4		
	11.5	ø13	HMH2016	HC3200x2	HC3130x4	1	



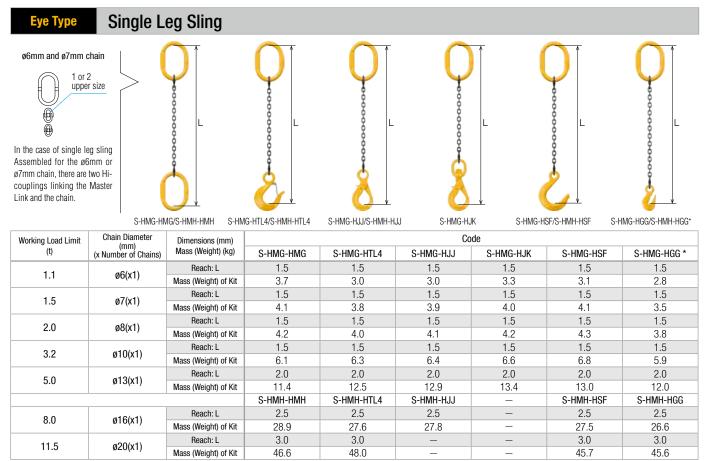
In the case of assembling set products using the Large Master Link HMG/HMH, use in combination with hi-couplings as described in the contents of the table at left.



Large Master Link HMG/HMH

•For slinging methods that have a "*" mark, in situations where the chain is used by hooking on a grab hook (in order to adjust the length, etc.) the working load limits will become 70% of the values shown in the previous page. For more details, refer to "Table of Lifting and Working Load Limits" on page 8.

- •Reaches (dimensions L) other than the values described in the table can also be supported, so please contact KITO for more information.
- •The photographs of the Assembled show images of the combinations. The actual number of chain links will differ according to the dimension L, so contact KITO for more information.



Eye Type

Double Leg Sling



In the case of double leg sling Assembled for ø6mm, ø7mm, ø13mm or ø16mm chain, there are two Hi-couplings linking the Master Link and the chain.



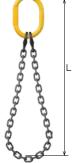
D-HMG-HTL4/D-HMH-HTL4



D-HMG-HJK/D-HMH-HJK

D-HMG-HSF/D-HMH-HSF





D-HMG-00/D-HMH-00

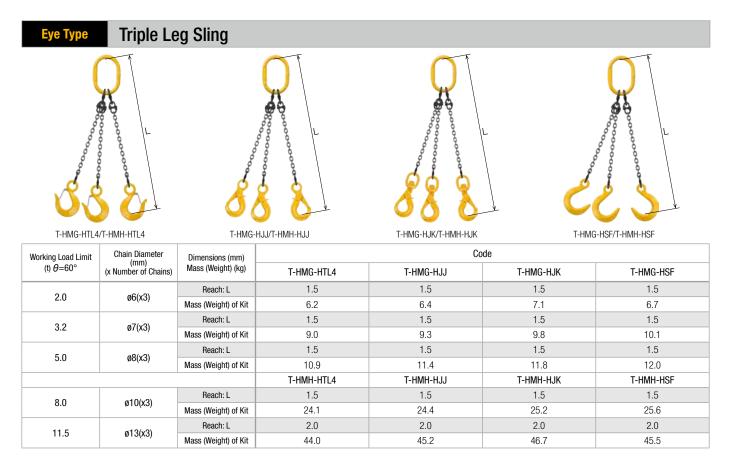
Working Load Limit	Vorking Load Limit Chain Diameter			Code						
(t) $\theta = 60^{\circ}$	(mm) (x Number of Chains)	Mass (Weight) (kg)	D-HMG-HTL4	D-HMG-HJJ	D-HMG-HJK	D-HMG-HSF	D-HMG-00			
1.7	aC(v2)	Reach: L	1.5	1.5	1.5	1.5	1.5			
1.7	1.7 Ø6(x2)	Mass (Weight) of Kit	4.7	4.8	5.3	5.0	4.0			
2.0	2.0 47(+2)	Reach: L	1.5	1.5	1.5	1.5	1.5			
2.0	ø7(x2)	Mass (Weight) of Kit	6.3	6.5	6.8	7.0	5.0			
3.2	e()(v())	Reach: L	1.5	1.5	1.5	1.5	1.5			
3.2	ø8(x2)	Mass (Weight) of Kit	7.1	7.4	7.6	7.8	5.9			
5.0	a10(v2)	Reach: L	1.5	1.5	1.5	1.5	1.5			
5.0	ø10(x2)	Mass (Weight) of Kit	11.5	11.7	12.2	12.5	9.3			
			D-HMH-HTL4	D-HMH-HJJ	D-HMH-HJK	D-HMH-HSF	D-HMH-00			
8.0	ø13(x2)	Reach: L	2.0	2.0	2.0	2.0	2.0			
0.0	Ø13(XZ)	Mass (Weight) of Kit	30.4	30.6	31.6	31.4	26.0			
11.5	a16(v2)	Reach: L	2.5	2.5	—	2.5	2.5			
11.5	ø16(x2)	Mass (Weight) of Kit	53.8	54.1	_	53.6	46.1			

Large Master Link HMG/HMH

•Reaches (dimensions L) other than the values described in the table can also be supported, so please contact KITO for more information.

•The photographs of the Assembled show images of the combinations.

The actual number of chain links will differ according to the dimension L, so contact KITO for more information.



Eye Type

Quadruple Leg Sling





Q-HMG-HTL4/Q-HMH-HTL4

Q-HMG-HJJ/Q-HMH-HJJ



Q-HMG-HJK/Q-HMH-HJK





Q-HMG-00/Q-HMH-00

Working Load Limit Chain Diamete		Dimensions (mm)	Code						
(t) θ =60°	(mm) (x Number of Chains)	Mass (Weight) (kg)	Q-HMG-HTL4	Q-HMG-HJJ	Q-HMG-HJK	Q-HMG-HSF	Q-HMG-00		
2.0	aC(v4)	Reach: L	1.5	1.5	1.5	1.5	1.5		
2.0 ø6(x4)	Mass (Weight) of Kit	7.8	7.9	8.9	8.4	5.8			
3.2 ø7(x4)	a7/v4)	Reach: L	1.5	1.5	1.5	1.5	1.5		
	Ø7(X4)	Mass (Weight) of Kit	11.3	11.8	12.4	12.7	7.9		
	a0(v4)	Reach: L	1.5	1.5	1.5	1.5	1.5		
5.0	ø8(x4)	Mass (Weight) of Kit	13.5	14.1	14.7	14.9	10.3		
			Q-HMH-HTL4	Q-HMH-HJJ	Q-HMH-HJK	Q-HMH-HSF	Q-HMH-00		
9.0	a10(v4)	Reach: L	1.5	1.5	1.5	1.5	1.5		
8.0	ø10(x4)	Mass (Weight) of Kit	28.3	28.7	29.7	30.3	21.9		
11 5	a12(v4)	Reach: L	2.0	2.0	2.0	2.0	2.0		
11.5	ø13(x4)	Mass (Weight) of Kit	53.1	54.7	56.7	55.1	41.5		

1 Strictly Avoid Overloading

KITO CHAIN SLING 100 [S5 series] products have KITO Sling Tags attached. Be sure to use the product within the range of the working load limits displayed on the KITO Sling Tag.

Changes in the Working Load Limit according to the Angle of Loading

The working load limits will change according to the angle of loading. Be certain to confirm the actual angle of loading with the angle of loading and working load limits described on the KITO Sling Tag.



3 Minimizing the Impact Loading

Impact loading will lead Returning to the ground Lifting off... to unexpected overloading. Take particular care to avoid shock when the loads are lifted off and returned to the ground.



4 Measures when Loads have Sharp Edges

For loads that have sharper edges, an increasingly unreasonable force will be applied to the chain slings, affecting their



strength. Apply pads to protect the load and chains, and use chains considering the safety factor margin.

Watch out fo 5 Chain Twisting and Tangling

Verify that the chain is not twisted, tangled, or tangled with the sling components prior to use.

6 When the Load is Out of Balance

Suspend loads in such a way that the loading is applied equally to all the

chain slings. In cases where the form of the load makes it difficult to suspend with equal



loading on each chain, select the slings while considering the chain side that bears the heaviest load as the reference.

7 Apply Loads to the Center of the Hook

Be certain to suspend the load from the center of the hook (deepest part). Avoid suspending loads from the hook tip.

Variations in Working Load Limits under High Temperatures

In the case of using chain slings in high temperature environments, or in cases where chain slings are used under normal temperatures after they have been used in high temperature



medicine

environments, the working load limits should be reduced according to the corresponding temperature in the table below.

Temperature	Working Load Limit Reduction (%)
Over -40°C and 100°C or less	100
Over 100°C and 200°C or less	90
Over 200°C and 300°C or less	75
Over 300°C and 350°C or less	65
Over 350°C and 400°C or less	60
Over 400°C	Usage not allowed

9 Resistance to Chemicals

The extent of the effect will differ according to the type of chemical. Please consult KITO beforehand.

Leaving Loads in a **Suspended Condition**

Do not leave loads in a suspended condition for long periods.

11 Durability

When using under the conditions described below, reduce loads to no more than 80% of the working load limits described in the Working Load Limits Table.

(1) Work that is carried out with high frequency or when the working load is applied continuously

(2) Work in which vibration is applied continuously

(3) Usage by incorporation in an automatic line

12 Chain Sling Usage Limits

Observe the usage limitations due to wear and elongation, and do not use products that have become deformed or cracked.

Recommendations for Correct Equipment Administration

Inspection is the first step of safety. In order to use the equipment safely, carry out the daily inspections, monthly inspections and periodic



Daily and Periodic Inspections

Daily inspections should be implemented by the operator before using the chain slings for work. In addition, periodic inspections should be implemented by the persons determined by the business entity.

Chain Sling Storage

Store chain slings in appropriate locations under favorable environments where they will not rust.

Chain Sling Rec
Administration
The administration

ord

n of inspection records is important for the safe use of chain slings.

KITO has prepared a "Periodic Inspection Standards Manual" which describes the inspection standards and periodic inspection check sheets.

•The functions and performance of the products mentioned in the catalog have been designed according to each usage purpose based on the related regulations and standards. If they are used for other than their intended purposes such as being integrated into your equipment,

KITO will not take any responsibility for accidents attributable to their unintended usages as well as guarantee their performance and functions. Never remodel our products. • In case you intend to use our products for special purposes, consult us in advance.

Among the products described in this catalog, some are manufactured in Japan and some in Italy.
 In case you intend to export our products, consult us in advance. There are different standards and regulations from one destination to another.

It is prohibited to reprint, copy or divert all the information in this catalog (photos, designs, texts, illustrations, etc.) without our consent
 The specifications in this catalog are partly subject to change without prior notice.



KITO CORPORATION SHINJUKU NS Bldg. 9F, 2-4-1 Nishi-Shinjuku, Shinjuku-ku, Tokyo 163-0809, Japan TEL: +81-3-5908-0180 www.kito.co.jp

Distributed by: