

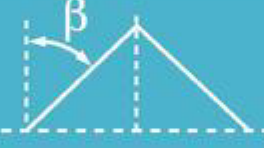


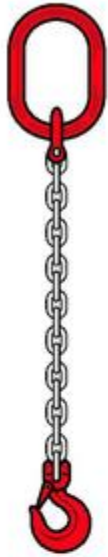


WORKING LOAD LIMITS-TONNES

 Chain Dia. mm	Grade	 Single Leg	 Two Leg		 Three and Four Leg		 Endless
		Factor 1	$0^\circ < \beta \leq 45^\circ$ Factor 1.4	$45^\circ < \beta \leq 60^\circ$ Factor 1	$0^\circ < \beta \leq 45^\circ$ Factor 2.1	$45^\circ < \beta \leq 60^\circ$ Factor 1.5	Factor 1.6
		7	8	1.5	2.12	1.5	3.15
7	10	2	2.8	2	4.2	3	3.2
8	8	2	2.8	2	4.2	3	3.2
10	8	3.15	4.25	3.15	6.7	4.75	5
10	10	4.0	5.6	4	8.4	6	6.4
13	8	5.3	7.5	5.3	11.2	8	8.5
13	10	6.7	9.5	6.7	14	10	10.7
16	8	8	11.2	8	17	11.8	12.5
16	10	10	14	10	21.2	15	16
19	8	11.2	16	11.2	23.6	17	18
19	10	14	20	14	30	21	22.4
23	8	16	23.6	16	35.5	25	26.5
23	10	21	29.5	21	44	31.5	33.5
26	8	21.2	30	21.2	45	31.5	33.5
26	10	27	38	27	57	40	43
32	8	31.5	45	31.5	67	47.5	50
32	10	40	56	40	85	60	65

SINGLE LEG SLINGS



Single Leg fitted with KHN L Sling Hooks



Single Leg fitted with KS N Kuplink and KHN L Sling Hooks



Single Leg fitted with KS N Kuplinks each end



Single Leg fitted with KSS N Reeveable Link each end

Master Links

Kupler

Shortening Clutch



KM
7mm - 32mm



KSS N
7mm - 26mm



KS N
7mm - 16mm



K N
7mm - 32mm



KSC N
7mm - 19mm



KSC
7mm - 32mm



KSC Shortening Clutch in use. Basket configuration

Terminal Fittings - Availability Chart

WORKING LOAD LIMITS - TONNES

Chain Dia. (mm)	Grade	Terminal Fittings												
		KHN L	KHX C	KHX E	KHX S	KC N	KF N	KHW N	KDN N	KDL N	KSS N	KS N	TL N	
7	8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
7	10	2	2	2	2	2	2	2	2	2	2	2		
8	8	2	2	2	2	2	2	2	2	2	2	2	2	
10	8	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	
10	10	4	4	4	4	4	4	4	4	4	4	4		
13	8	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	
13	10	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7		
16	8	8	8	8		8	8	8	8	8	8	8	8	
16	10	10	10	10		10	10	10	10	10	10	10		
19	8	11.2		11.2		11.2	11.2			11.2	11.2		11.2	
19	10	14		14		14	14			14	14			
23	8	16		16			16				16		16	
23	10	21		21			21				21			
26	8	21.2									21.2		21.2	
26	10	27									27			
32	8	31.5											31.5	
32	10	40												



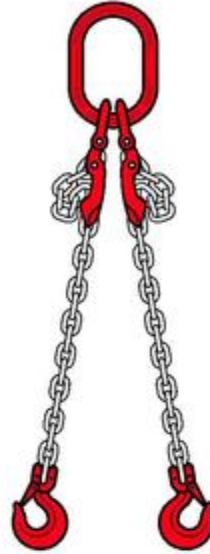
KSC N Shortening Clutch in use

Note that the loaded end of the chain must come out of the bottom of both types of clutch.

TWO LEG SLINGS



Two Leg fitted with KHN L sling hooks



Two Leg fitted with KSC-N Shortening Clutches and KHN L sling hooks

Master Links



KM
7mm - 32mm

Kupler



KN
7mm - 32mm

Shortening Clutch



KSC N
7mm - 19mm



KSC
7mm - 32mm

Terminal Fittings - Availability Chart

WORKING LOAD LIMITS - 2,3,4 LEG SLINGS AT 60°

Chain Dia. (mm)	Grade	Terminal Fittings												
		KHN L	KHX C	KHX E	KHX S	KC N	KF N	KHW N	KDN N	KDL N	KSS N	KS N	TL N	
7	8	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	
7	10	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8		
8	8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
10	8	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	4.25	
10	10	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6		
13	8	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	
13	10	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5		
16	8	11.2	11.2	11.2		11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	
16	10	14	14	14		14	14	14	14	14	14	14		
19	8	16		16		16	16			16	16		16	
19	10	20		20		20	20			20	20			
23	8	23.6		23.6			23.6				23.6		23.6	
23	10	29.5		29.5			29.5				29.5			
26	8	30									30		30	
26	10	38									38			
32	8	45											45	
32	10	56												

TWO LEG SLINGS AT 0° - 45°

THREE LEG SLINGS

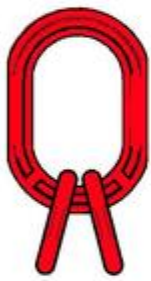


Three Leg fitted with KHN L Sling Hooks



Three Leg fitted with KSC-N Shortening Clutches and KHN L Sling Hooks

Master Links



KMML
7mm - 32mm



KM
7mm - 32mm



KAL
7mm - 19mm

Kupler



KN
7mm - 32mm

Shortening Clutch



KSC N
7mm - 19mm



KSC
7mm - 32mm



KSC Shortening Clutch in use. Basket configuration

Terminal Fittings - Availability Chart

WORKING LOAD LIMITS - TONNES

Chain Dia. (mm)	Grade	Terminal Fittings												
		KHN L	KHX C	KHX E	KHX S	KC N	KF N	KHW N	KDN N	KDL N	KSS N	KS N	TL N	
7	8	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	
7	10	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2		
8	8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	
10	8	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	
10	10	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4		
13	8	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	
13	10	14	14	14	14	14	14	14	14	14	14	14		
16	8	17	17	17		17	17	17	17	17	17	17	17	
16	10	21.2	21.2	21.2		21.2	21.2	21.2	21.2	21.2	21.2	21.2		
19	8	23.6		23.6		23.6	23.6			23.6	23.6		23.6	
19	10	30		30		30	30			30	30			
23	8	35.5		35.5			35.5				35.5		35.5	
23	10	44		44			44				44			
26	8	45									45		45	
26	10	57									57			
32	8	67											67	
32	10	85												



KSC N Shortening Clutch in use

Note that the loaded end of the chain must come out of the bottom of both types of clutch.

THREE LEG SLINGS AT 0° - 45°

FOUR LEG SLINGS



Four Leg fitted with KHN L Sling Hooks



Four Leg fitted with KSC-N Shortening Clutches and KHN L Sling Hooks

Master Links

Kupler

Shortening Clutch



KMML
7mm - 32mm



KM
7mm - 32mm



KAL
7mm - 19mm



KN
7mm - 32mm



KSC N
7mm - 19mm



KSC
7mm - 32mm

Terminal Fittings - Availability Chart

WORKING LOAD LIMITS - TONNES

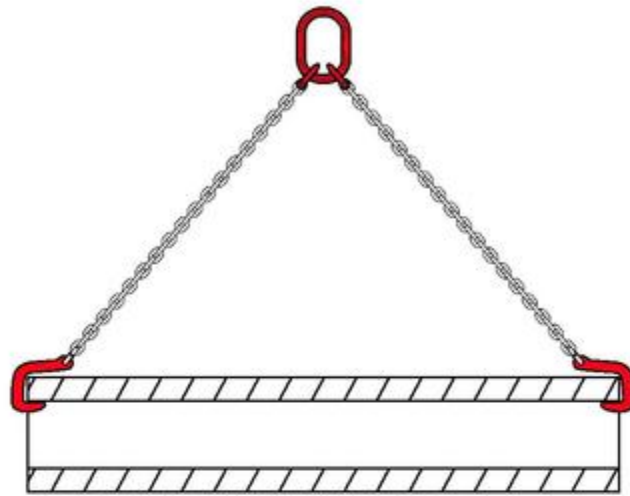
Chain Dia. (mm)	Grade	Terminal Fittings												
		KHN L	KHX C	KHX E	KHX S	KC N	KF N	KHW N	KDN N	KDL N	KSS N	KS N	TL N	
7	8	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	
7	10	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2		
8	8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	
10	8	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	
10	10	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4		
13	8	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	
13	10	14	14	14	14	14	14	14	14	14	14	14		
16	8	17	17	17		17	17	17	17	17	17	17	17	
16	10	21.2	21.2	21.2		21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	
19	8	23.6		23.6		23.6	23.6			23.6	23.6		23.6	
19	10	30		30		30	30			30	30			
23	8	35.5		35.5			35.5				35.5		35.5	
23	10	44		44			44				44			
26	8	45									45		45	
26	10	57									57			
32	8	67											67	
32	10	85												

FOR THREE LEG SLINGS AT 0° - 45°

SPECIAL PURPOSE SLINGS



Two-leg Basket Sling

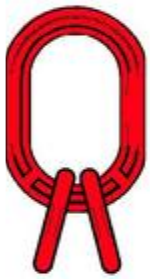


Pipe Sling

Master and Auxiliary Links

Kupler

Shortening Clutch



KMMML
7mm - 32mm



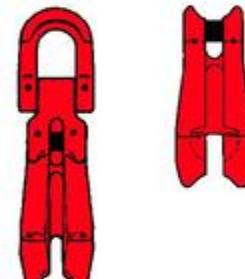
KM
7mm - 32mm



KAL
7mm - 19mm



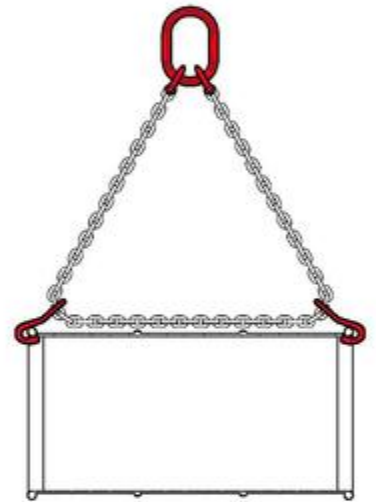
K N
7mm - 32mm



KSC N
7mm - 19mm









KSC
7mm - 32mm

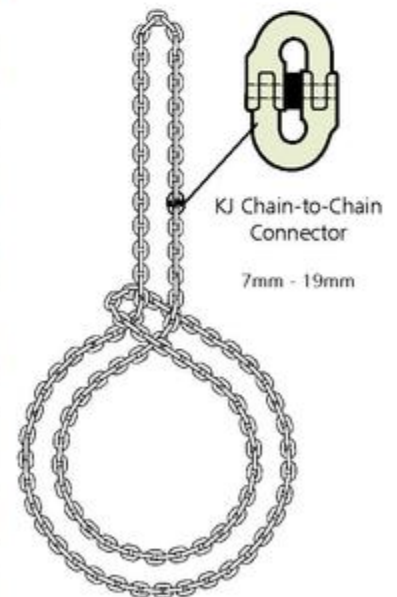


Drum Sling

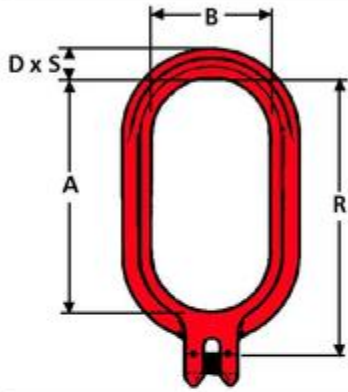
Terminal Fittings - Availability Chart

Chain Dia. (mm)	Grade								
		KPH10 USED IN PAIRS	KD USED IN PAIRS	1 LEG	2 LEG	SINGLE BASKET	ENDLESS DOUBLE BASKET	IN CHOKE	
7	8		1.5	1.5	2.12	2.12	3.15	2.5	
7	10		2.0	2.0	2.8	2.8	4.2		
8	8		2.0	2.0	2.8	2.8	4.2	3.2	
10	8	4.25				4.25	6.7	5	
10	10	5.6				5.6	8.4		
13	8					7.5	11.2	8.5	
13	10					9.5	14		
16	8					11.2	17	12.5	
16	10					14	21.2		
19	8	Note: Sling rated at minimum 30° From the vertical (60° included angle)	Note: Sling rated at minimum 30° From the vertical (60° included angle)			16	23.6	18	
19	10					20	30		
23	8	MUST BE USED IN PAIRS	MUST BE USED IN PAIRS			23.6	35.5		
23	10					29.5	44		
26	8					30	45		
26	10					38	57		
32	8					45	67		
32	10					56	85		

slings as illustrated



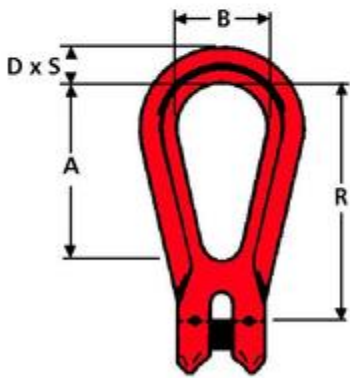
COMPONENTS



KUPLEX Kuplink KS

Alternative Master Link for single leg slings dispensing with the need for a Kupler.

REFERENCE	WLL (t)		DIMENSIONS mm					WEIGHT kg
	8	8+10	A	B	R	D	S	
KS7N	1.5	2	152	76	178	17	13	0.64
KS10N	3.2	4	152	76	190	22	16	1.15
KS13N	5.3	6.7	178	108	220	28	21	2.13
KS16N	8	10	228	127	285	38	27	4.69

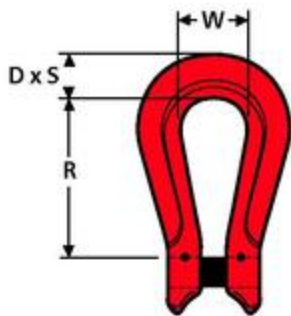


KUPLEX Reeveable Egg Link KSS

The ideal link for collar slings - fully reeveable and compact.

REFERENCE	WLL (t)		DIMENSIONS mm					WEIGHT kg
	8	8+10	A	B	R	D	S	
*KSS7N	1.5	2	70	35	92	14	10	0.27
KSS10N	3.2	4	102	51	132	19	14	0.74
KSS13N	5.3	6.7	137	67	177	26	20	1.92
KSS16N	8	10	172	83	220	32	24	3.17
KSS19N	11.2	14	203	98	261	38	28	5.58
KSS23N	16	21	238	114	305	40	38	8.42
KSS26N	21.2	27	273	133	351	46	46	14.51

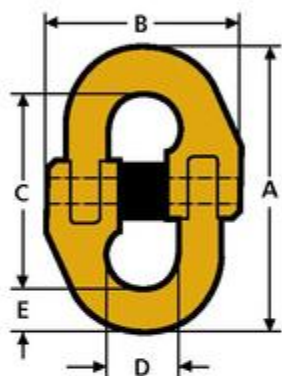
*NOTE: A KSS7N can be used in place of a KCL7N



KUPLEX Kupler K

This component is used for joining chain to the top link.

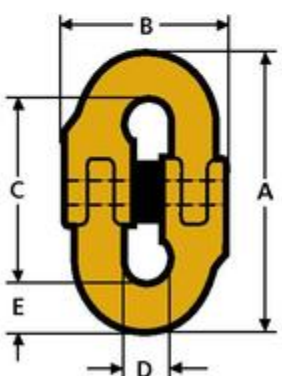
REFERENCE	WLL (t)		DIMENSIONS mm				WEIGHT kg
	8	8+10	R	W	D	S	
K7N	1.5	2	60	26	12	10	0.15
K10N	3.2	4	73	35	19	15	0.47
K13N	5.3	6.7	95	45	25	22	1.01
K16N	8	10	118	54	28	23	1.66
K19N	11.2	14	134	64	34	28	2.78
K23N	16	21	121	64	45	38	4.26
K26	21.2	27	140	82	48	45	6.30
K32	31.5	40	175	96	64	51	11.48



KUPLEX Component Connector TL_N

A general purpose link for connecting chain to eye-type components. The TL is currently a Grade 8 component.

REFERENCE	WLL (t)		DIMENSIONS mm					WEIGHT kg
	8	8+10	A	B	C	D	E	
TL7N	1.5		67	49	48	14.3	9	0.11
TL10N	3.2		89	66	70	19.2	13	0.36
TL13N	5.3		118	85	85	26.5	17	0.66
TL16N	8		144	96	106	32	19	1.08
TL19N	11.2		168	115	122	38.5	23	1.77
TL23N	16		206	140	150	49	28	2.8
TL26N	21.2		230	163	166	57	32	4.4
TL32N	31.5		278	210	200	63	39	8.4

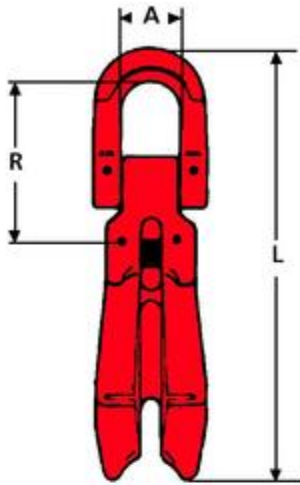


KUPLEX Chain Connector KJ

A flexible link for chain connection and suitable for making up endless slings. The KJ is currently a Grade 8 component.

REFERENCE	WLL (t)		DIMENSIONS mm					WEIGHT kg
	8	8+10	A	B	C	D	E	
KJ7	1.5		56	34	41	8	7.5	0.09
KJ10	3.2		73	45	51	11.5	11	0.27
KJ13	5.3		94	61	65	14.7	14	0.44
KJ16	8		120	75	84	19.1	18	0.83
KJ19	11.2		142	90	100	22.9	21	1.42

COMPONENTS



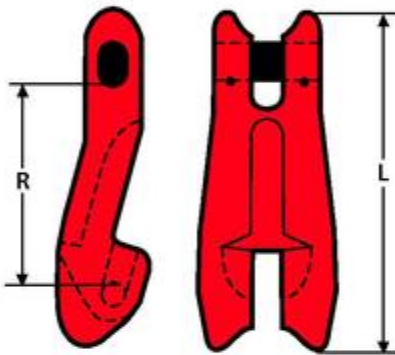
KUPLEX Shortening Clutch KSC N

This unique component for leg length adjustment is a major feature of the KUPLEX system. It caters for loads of irregular shape or for a general lack of headroom and allows safe leg length adjustment of any number of legs with the load remaining fully in line.

REFERENCE	WLL (t)		DIMENSIONS mm			WEIGHT kg
	8	8+10	L	R	A	
KSC7N	1.5	2	161	60	26	0.53
KSC10N	3.2	4	211	73	36	1.28
KSC13N	5.3	6.7	272	95	46	2.7
KSC16N	8	10	360	118	56	5.26
KSC19N	11.2	14	427	134	68	9.87

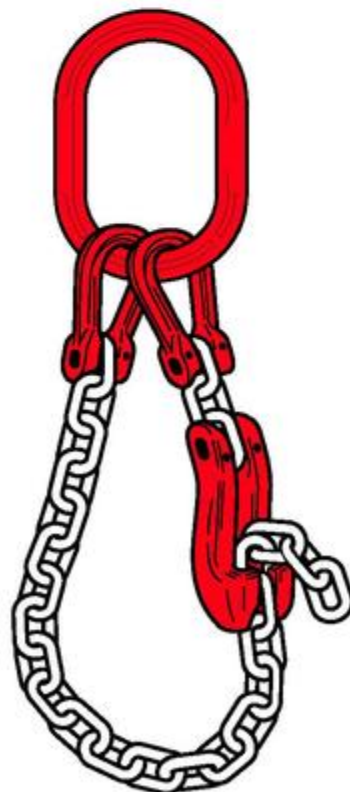
KUPLEX Shortening Clutch KSC

This performs a function similar to that of the KSCN, but requires separate suspension on the master or auxiliary link using a Kupler and three links of chain.



REFERENCE	WLL (t)		DIMENSIONS mm		WEIGHT kg
	8	8+10	L	R	
KSC7	1.5	2	98	60	0.37
KSC10	3.2	4	132	84	1
KSC13	5.3	6.7	171	108	1.89
KSC16	8	10	213	132	3.42
KSC23	16	21	308	190	10.02
KSC26	21.2	27	360	226	15.39
KSC32	31.5	40	448	310	29

The correct use of Shortening Clutches



KSC Shortening Clutch
in use.
Basket configuration



KSC N Shortening Clutch
in use

Note that the loaded end of the chain must come out of the bottom of the clutch.

