

















COMPONENT SELECTION GUIDE

													
CHAIN SIZE	COUPLING LINK	OBLONG MASTER LINK	SUB ASSEMBLIES	EYE SAFETY SLING HOOKS	CLEVIS SLING HOOK	EYE SELF LOCKING HOOKS	CLEVIS SELF LOCKING HOOKS	EYE GRAB HOOKS	CLEVIS GRAB HOOKS	EYE FOUNDRY HOOKS	CLEVIS FOUNDRY HOOKS	EYE GRIP SELF LOCKING HOOKS	CLEVIS GRIP SELF LOCKING HOOKS
6	6	MA06	MA 06SA	6	6	6	6	6	6	6	6	6	6
7	7	MA0806	MA 08SA	7//8	7//8	7//8	7//8	7//8	7//8	7//8	X	X	X
8	8	MA0806	MA 08SA	7//8	7//8	7//8	7//8	7//8	7//8	7//8	X	X	X
10	10	MA1008	MA 10SA	10	10	10	10	10	10	10	10	10	10
13	13	MA1310	MA 13SA	13	13	13	13	13	13	13	13	13	13
16	16	MA1613	MA 16SA	16	16	16	16	16	16	16	16	16	16
20	20	MA2016	MA 20SA	20	20	20	20	20	20	20	X	20	20
22	22	MA2220	MA 22SA	22	22	22	X	22	22	22	X	X	X
26	26	MA2622	MA 26SA	26	X	26	X	26	X	26	X	X	X
32	32	MA3226	MA 32SA	32	X	X	X	32	X	32	X	X	X

USE OF CHAIN UNDER HEAT CONDITIONS

When Max - Alloy GRADE 800 is used in the temperature range as shown below, the working load should be reduced as indicated:

- 40° C to 200° C No reduction in working load limit while heated. No permanent reduction in working load limit.
- 200° C to 300° C 10% reduction in working load limit while heated. No permanent reduction in working load limit.
- 300° C to 400° C 25% reduction in working load limit while heated. No permanent reduction in working load limit.
- 400° C and above - do not use.

Max - alloy 200° temper grade chain 1000 chain should never under any circumstances be subjected to a temperature exceeding 200°C heating the chain to above this critical temperature will render it unsafe for any lifting operations. Should the chain be subjected to the above condition it must be withdrawn from service and returned to McKinnon chain for further examination.



Working Load Limit of Grade 800 Chain

Chain Size	6	7	8	10	13	16	20	22	26	32
Inside link length	18	21	24	30	39	48	60	66	78	96
Outside width	22.2	25.9	29	37	48.1	59.2	74	81.4	96.2	118
Approx links per m	55.6	47	41.7	33.3	25.6	20.8	17	15.2	12.8	10.4
Approx kg per m	0.8	1.09	1.43	2.22	3.76	5.7	9	10.8	15	22.8
WLL tons grade 800	1.2	1.6	2	3.2	5.4	8.2	13	15.5	21.7	32.8

All Max - Alloy Grade 800 Chains are:

Fully traceable through to the original cast of the steel. Supplied complete with certificates of conformance. Able to work (with limitations) to 400° celsius. Supplied with manufacturers certificate of conformance. Manufactured from hardened and tempered alloy steel meeting the requirements of EN818 part 2 / SANS 189 Type approved for Norddeutsch Metall Berufsgenossenschaft (H46).



Working Load Limit of Grade 1000 Chain (200° Temper Chain)

Chain Size	6	7	8	10	13	16	20	22
Inside link length	18	21	24	30	39	48	60	66
Outside width	22.2	25.9	29	37	48.1	59.2	74	81.4
Approx links per m	55.6	47	41.7	33.3	25.6	20.8	17	15.2
Approx kg per m	0.8	1.09	1.43	2.22	3.76	5.7	9	10.8
WLL tons grade 200° T	1.4	2.0	2.5	4.0	6.7	10.0	16.0	19.0

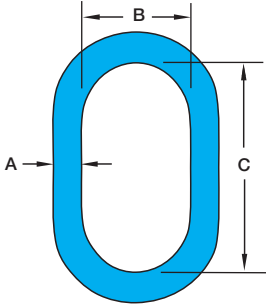
CHAIN ABOVE 22MM ONLY AVAILABLE AS GRADE 800

All Max - Alloy grade 200°T chains are:

A high grade hardened and tempered chain, which has been specifically heat treated to safely work at 25% higher working load limit than Max - Alloy grade 800 chain. Conforms mechanically to EN818 plus 25%. Conforms dimensionally to EN818 as well as SANS 189. Limited on working in hot applications, grade 1000 chains cannot under any circumstances work in an application where the chain temperature exceeds 200° celsius. All chains are fully traceable through to the original cast of the steel.



MAX - ALLOY
OBLONG MASTER LINKS
For single and two leg chain slings

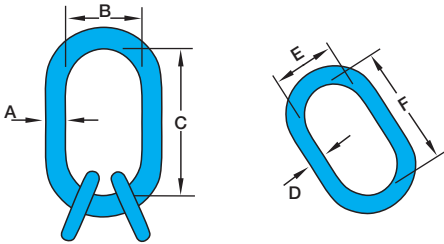


Master Links and Sub Assemblies

OBLONG LINK MA-	A mm	B mm	C mm	MASS EACH kg	SINGLE TYPES SOS, SOG	DOUBLE TYPES DOS, DOG, OF SINGLE ADJUSTABLE LOOP & SINGLE BASKET
06	10.0	40	80	0.15	6.0	6.0
0806	14.0	60	125	0.46	7.0	7.0
1008	16.0	75	150	0.72	10.0	-
1310	20.0	90	160	1.25	13.0	10.0
1613	25.0	102	190	2.41	16.0	13.0
2016	32.0	140	240	4.88	20.0	16.0
2220	40.0	155	280	8.87	22.0	20.0
2622	45.0	175	320	12.77	26.0	22.0
3226	50.0	195	350	17.35	32.0	25.5
3632	60.0	220	410	29.15	-	32.0

100% proof tested and 3% magnetic particle crack detected in accordance with EN 1677-1 & 4

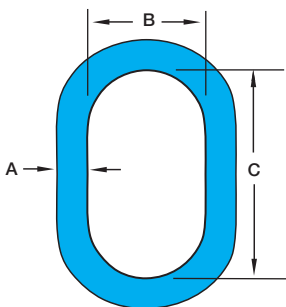
MAX - ALLOY
OBLONG MASTER LINK SUB-ASSEMBLY
For Three and Four leg chain slings



OBLONG LINK MA-	SIZE OF MASTER LINK IN mm			SIZE OF COUPLING LINK IN mm			MASS EACH kg	MA CHAIN SIZE IN kg
	A	B	C	D	E	F		
06SA	14.0	60	125	10.0	16	30	0.6	6.0
08SA	20.0	90	160	13.0	35	60	1.7	7.0
10SA	25.0	102	190	16.0	40	80	3.3	10.0
13SA	32.0	140	240	22.0	50	90	6.8	13.0
16SA	40.0	155	280	28.0	60	100	12.5	16.0
20SA	45.0	175	320	32.0	75	125	18.5	20.0
22SA	50.0	195	350	40.0	80	140	27.5	22.0
26SA	60.0	220	410	45.0	90	165	44.0	25.5
32SA	70.0	250	420	50.0	100	195	65.4	32.0

100% proof tested and 3% magnetic particle crack detected in accordance with EN 1677-1 & 4

MAX - ALLOY
ENLARGED OBLONG MASTER LINK



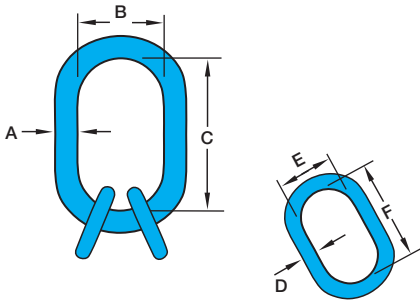
OBLONG LINK MA-	SIZE OF MASTER LINK IN mm			WLL tonne	MASS kg / unit
	A	B	C		
16ML	16	75	120	3.9	0.7
22MLS	22	90	162	8.6	1.5
23ML	22	140	270	5.6	2.3
28MLS	28	110	200	14.5	3.0
26ML	28	140	270	11.4	3.8
32ML	32	140	270	16.9	5.1
36ML	36	140	270	23.1	6.5
40ML	40	155	280	29.0	8.5
45ML	45	175	320	36.5	12.2
45MLL	45	265	490	24.7	17.8
50ML	50	195	350	45.2	16.6
60ML	60	220	410	63.0	29.2
70ML	70	250	490	88.6	44.3

100% proof tested and 3% magnetic particle crack detected



Master Links and Sub Assemblies

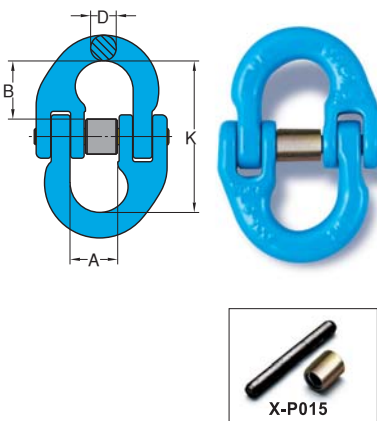
MAX – ALLOY
ENLARGED MASTER LINK SUB- ASSEMBLY



OBLONG LINK MA-	SIZE OF COUPLING LINK IN mm						WILL tonne	MASS kg / unit
	SIZE OF MASTER LINK IN mm			SIZE OF COUPLING LINK IN mm				
	A	B	C	D	E	F		
16QA	16	75	150	13	50	90	3.9	1.3
22QAS	22	90	162	20	70	140	8.6	3.6
23QA	22	140	270	16	75	150	5.6	3.8
28QAS	28	110	200	22	70	140	14.5	5.5
26QA	28	140	270	20	70	140	11.4	5.9
32QA	32	140	270	25.5	102	190	16.9	9.7
36QA	36	140	270	28	90	185	23.1	11.9
40QA	40	155	280	32	110	200	29.0	16.4
45QA	45	175	320	36	125	225	36.5	23.5
45QAL	45	265	490	30	90	185	24.7	24.1
50QA	50	195	350	40	130	260	45.2	32.3
60QA	60	220	410	50	195	350	59.9	63.9
70QA	70	250	450	60	220	410	84.7	102.6

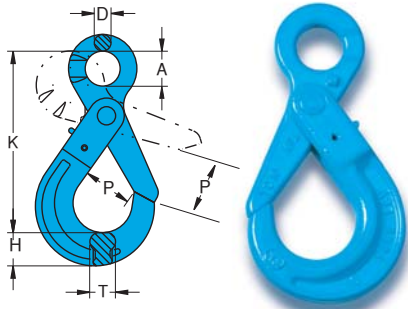
100% proof tested and 3% magnetic particle crack detected

G-100 Connecting Link



Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	K (mm)	A (mm)	D (mm)	D (mm)	N.W (kg)	Dia. Hole to Accept Male Leg
m8+10A060cpl	1.4	6	6	15	7	18	0.08	9
m8+10A078cpl	2.5	7.8	7.8	18	9	25	0.2	15
m8+10A100cpl	4.0	10	10	25	11	28	0.3	19
m8+10A130cpl	6.7	13	13	30	16	38	0.7	21
m8+10A160cpl	10.0	16	16	36	19	41	1.2	26
m8+10A200cpl	16.0	20	20	42	23	50	2.1	30
m8+10A220cpl	19.0	22	22	49	24	63	3.5	32
m8+10A260cpl	26.5	26	26	55	30	66	4.9	32
m8+10A320cpl	40.0	32	32	69	36	85	9.3	49

Design factor 4:1 proof tested and certified.
A = Material diameter of largest link to be used.

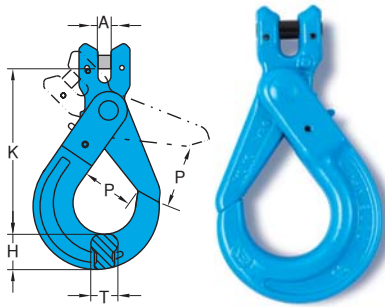


G-100 Eye Self Locking Hook.

Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	K (mm)	P (mm)	A (mm)	D (mm)	T (mm)	H (mm)	N.W (kg)
m8+10A060eslh	1.4	6	110	28	21	10	15	19	0.5
m8+10A078eslh	2.5	7.8	136	34	25	11	20	24	0.8
m8+10A100eslh	4.0	10	167	44	32	13	26	30	1.5
m8+10A130eslh	6.7	13	207	51	40	16	30	39	3.0
m8+10A160eslh	10.0	16	252	60	50	21	36	49	5.8
m8+10A200eslh	16.0	20	290	70	60	23	53	65	10.2
m8+10A220eslh	10.0	22	319	80	70	24	49	63	12.7
m8+10A260eslh	26.5	26	343	99	80	25	56	69	15.2

Design factor 4:1 proof tested and certified.

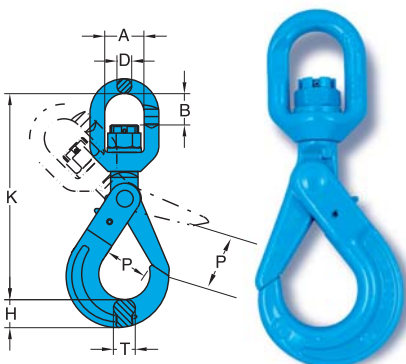
G-100 Clevis Self Locking Hook



Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	A (mm)	K (mm)	P (mm)	T (mm)	H (mm)	N.W (kg)
m8+10A060cslh	1.4	6	6	39	28	15	19	0.4
m8+10A078cslh	2.5	7.8	9	119	34	20	24	0.9
m8+10A100cslh	4.0	10	11	142	44	26	30	1.4
m8+10A130cslh	6.7	13	14	178	51	30	39	3.0
m8+10A160cslh	10.0	16	18	213	60	36	49	5.6
m8+10A200cslh	16.0	20	21	244	70	53	65	10.8
m8+10A220cslh	19.0	22	24	273	80	49	63	13.1

Design factor 4:1 proof tested and certified.

G-100 Swivel Self Locking Hook - with Brass Bushing



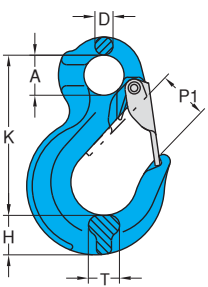
Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	K (mm)	P (mm)	B (mm)	A (mm)	D (mm)	T (mm)	H (mm)	N.W (kg)
m8+10A060sslh	1.4	6	149	28	22	32	12	15	19	0.7
m8+10A078sslh	2.5	7.8	186	34	29	36	13	20	24	1.2
m8+10A100sslh	4.0	10	218	44	34	41	16	26	30	2.0
m8+10A130sslh	6.7	13	276	51	43	46	21	30	39	4.1
m8+10A160sslh	10.0	16	329	60	50	61	23	36	49	6.8
m8+10A200sslh	16.0	20	387	70	82	74	25	53	65	12.6
m8+10A220sslh	19.0	22	457	80	95	97	33	49	63	19.4
m8+10A260sslh	26.5	26	535	99	115	123	42	56	69	32.9

Design factor 4:1 proof tested and certified.





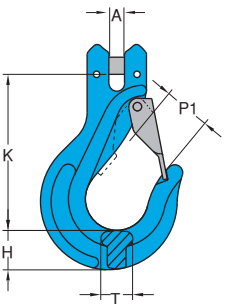
G-100 Eye Sling Hook - with Latch



Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	K (mm)	P1 (mm)	A (mm)	D (mm)	T (mm)	H (mm)	N.W (kg)
m8+10A060esh	1.4	6	80	23	20	10	17	19	0.3
m8+10A078esh	2.5	7.8	98	28	25	12	20	23	0.5
m8+10A100esh	4.0	10	121	36	32	15	23	31	1.0
m8+10A130esh	6.7	13	152	40	40	18	27	38	1.8
m8+10A160esh	10.0	16	185	44	50	22	32	45	3.4
m8+10A200esh	16.0	20	230	54	61	27	48	64	7.3
m8+10A220esh	19.0	22	245	76	51	31	52	63	9.3
m8+10A260esh	26.5	26	279	77	65	35	60	80	13.7
m8+10A320esh	40.0	32	352	114	88	40	65	86	21.6

Design factor 4:1 proof tested and certified.

G-100 Clevis Sling Hook - with Latch



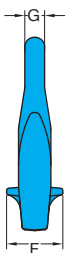
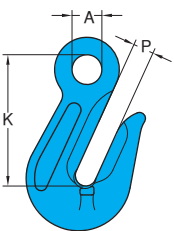
Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	A (mm)	K (mm)	P1 (mm)	T (mm)	H (mm)	N.W (kg)
m8+10A060csh	1.4	6	6	97	23	15	23	0.3
m8+10A067csh	2.5	7.8	9	98	27	18	22	0.6
m8+10A100csh	4.0	10	11	122	34	24	30	1.2
m8+10A130csh	6.7	13	14	147	44	30	37	2.3
m8+10A160csh	10.0	16	17	166	48	39	42	3.8
m8+10A200csh	16.0	20	24	207	57	48	64	8.7
m8+10A220csh	19.0	22	25	217	73	52	61	9.6

Design factor 4:1 proof tested and certified.

Not for use with Omega Link.

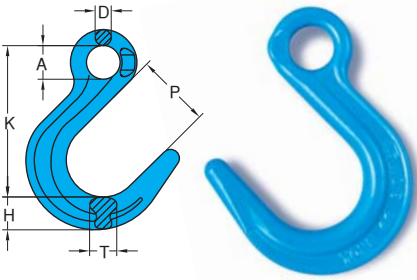
No reduction of working load limit, thanks to supporting wings which prevent link deformation

G-100 Eye Grab Hook



Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	P (mm)	A (mm)	G (mm)	K (mm)	F (mm)	N.W (kg)
m8+10A060egh	1.4	6	8	13	8	50	26	0.2
m8+10A078egh	2.5	7.8	10	16	9	62	30	5.0
m8+10A100egh	4.0	10	13	20	13	82	40	0.6
m8+10A130egh	6.7	13	17	26	16	107	52	1.4
m8+10A160egh	10.0	16	21	30	20	132	57	2.4
m8+10A200egh	16.0	20	23	38	24	147	73	4.0
m8+10A220egh	19.0	22	26	38	26	164	70	0.3
m8+10A260egh	26.5	26	33	50	32	207	100	10.5
m8+10A320egh	32.8	32	37	57	40	230	90	20

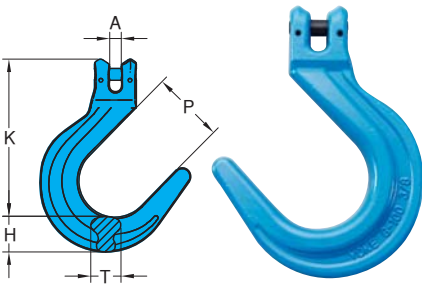
Design factor 4:1 proof tested and certified.



G-100 Eye Foundry Hook

Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	K (mm)	P (mm)	A (mm)	D (mm)	T (mm)	H (mm)	N.W (kg)
m8+10A078efh	2.5	7.8	123	62	24	12	19	27	0.8
m8+10A100efh	4.0	10	149	74	32	15	23	32	1.6
m8+10A130efh	6.7	13	180	88	40	19	32	39	2.5
m8+10A160efh	10.0	16	213	98	50	25	41	47	4.4
m8+10A200efh	16.0	20	248	113	60	26	46	57	9.3
m8+10A220efh	15.5	22	264	127	44	30	57	70	12
m8+10A260efh	21.7	26	294	140	51	33	66	77	16.9
m8+10A320efh	32.8	32	327	152	60	35	81	97	26.5

Design factor 4:1 proof tested and certified.



G-100 Clevis Foundry Hook

Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	K (mm)	P (mm)	A (mm)	T (mm)	H (mm)	N.W (kg)
m8+10A070cfh	2.5	7.8	133	62	9	19	27	0.95
m8+10A100cfh	4.0	10	163	74	11	23	32	1.8
m8+10A130cfh	6.7	13	200	88	14	32	39	3.6
m8+10A160cfh	10.0	16	239	98	18	41	47	6.4
m8+10A200cfh	16.0	20	305	113	21	46	62	11.2

Design factor 4:1 proof tested and certified.



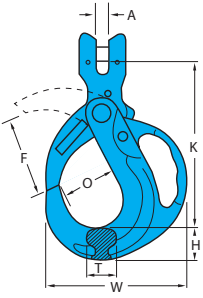
G-100 Clevis Grab Hook

Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	A (mm)	P (mm)	F (mm)	K (mm)	H (mm)	L (mm)	N.W (kg)
m8+10A060cgh	1.4	6	7	8	25	47	18	79	0.2
m8+10A078cgh	2.5	7.8	10	10	30	54	22	93	0.4
m8+10A100cgh	4.0	10	11	13	41	77	29	128	0.8
m8+10A130cgh	6.7	13	15	17	52	99	38	165	1.6
m8+10A160cgh	10.0	16	18	21	57	114	45	495	2.7
m8+10A200cgh	16.0	20	22	23	73	130	52	222	4.5
m8+10A220cgh	19.0	22	24	26	70	139	56	247	6.5

Design factor 4:1 proof tested and certified.



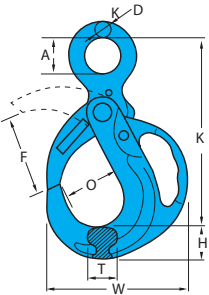
Clevis Grip Safe Locking Hook



Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	K (mm)	W (mm)	P (mm)	A (mm)	T (mm)	O (mm)	H (mm)	N.W (kg)
m8+10A100cgslh	4.0	10	153	139	71	11	27	49	31	1.9
m8+10A130cgslh	6.7	13	206	174	80	14	34	57	39	4.1
m8+10A160cgslh	10.0	16	243	212	114	18	39	78	47	6.4
m8+10A200cgslh	16.0	20	310	250	127	21	54	91	56	12.7
m8+10A220cgslh	20.0	22	300	260	151	24	56	105	59	14.1

Design factor 4:1 proof tested and certified.

Eye Grip Safe Locking Hook



Item No	Working Load Limit (Tonnes)	For Grade 100 Chain (mm)	K (mm)	W (mm)	P (mm)	O (mm)	A (mm)	T (mm)	D (mm)	H (mm)	N.W (kg)
m8+10A100egslh	4.0	10	175	139	71	49	32	27	13	31	1.9
m8+10A130egslh	6.7	13	227	174	80	57	40	34	16	39	3.0
m8+10A160egslh	10.0	16	227	212	114	78	50	39	21	47	6.3
m8+10A200egslh	16.0	20	329	250	127	91	60	54	23	56	11.7
m8+10A220egslh	20.0	22	350	260	151	105	70	56	24	59	14.5

Design factor 4:1 proof tested and certified.