

AUSTRALIAN LIFTING CENTRE PTY LTD

# ALLOY CHAIN & FITTINGS

AUSTLIFT

**BONCON**  
**INDUSTRIAL**  
LIFTING & EQUIPMENT

 **AUSTLIFT®**



AUSTLIFT GRADE 80 IDENTIFYING FEATURES



LIFTING YOUR BUSINESS TO A HIGHER LEVEL



Manufacturers  
Quality Approval Mark  
CE



Size & Grade

Product ID

Brand

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AUSLIFT



**Austlift™ G80 products are manufactured & tested to the requirements of Australian Standard 2321 'Short Link Chain for Lifting Purpose' & AS3776 'Lifting Components for Grade T Chain Slings' in extremely high quality.**

**All G80 products are made from alloy steel, the chemical composition conforms to EN1677:2000 specification. They are Quenched & Tempered, uniformly marked with equivalent Chain size, grade, batch number, manufacturer's ID & Product 'Type Code' for positive identification.**

**Our factory has official approval by Lloyd's for quality management to ISO9002: 1194 in year 2000, approval by TUV (Rheinland) for quality assurance to DIN/EN 1677-1 in year 2001, & by main national certification authorities.**

**We regard your safety as our priority.  
Destructive test is applied to every batch on a random sampling.  
Test Certificates are available upon request.**

**When you choose Austlift™  
you choose quality.**



**1300 100 120**

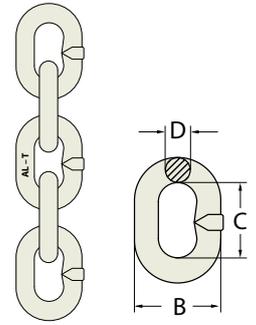
**WWW.AUSTLIFT.COM.AU**

Austlift Grade 80 (T) Chain is designed for Chain Slings for industrial lifting applications. It is made from alloy steel, hardened and tempered. It has a high resistance to impact and meets critical requirements of AS2321 "Short link Chain for lifting purposes".

- Made in Kettenfabrik Chain manufacture in Germany with Admission (H34)
- Sizes available from 6mm to 32mm.
- Marked with Chain grade with traceability mark.
- Made from G80 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Conforms to AS2321.



full drum	cut length	SIZE mm	WLL tonne	DIMENSIONS (mm)			WEIGHT kg per m
				B	C	D	
101506	101406	6.3	1.12	21	18	6	0.84
101507	101407	7.1	1.5	24	21	7	1.14
101508	101408	8	2	28	24	8	1.41
101510	101410	10	3.15	35	30	10	2.21
101513	101413	13	5.3	46	39	13	3.76
101516	101416	16	8	57	48	16	5.64
101520	101420	20	12.5	70	60	20	7.78
101522	101422	22	15	78	66	22	10.64
101526	101426	26	21.2	91	78	26	14.8
101532	101432	32	31.5	115	96	32	21.6



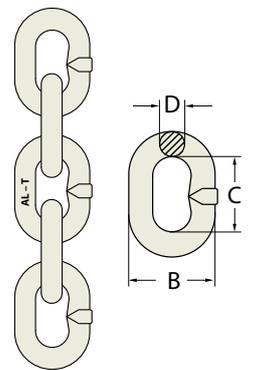
Australian Lifting Centre is sole agent for Kettenfabrik Chain and other Chain manufactures in Australia.

**Austlift Grade L Chain**

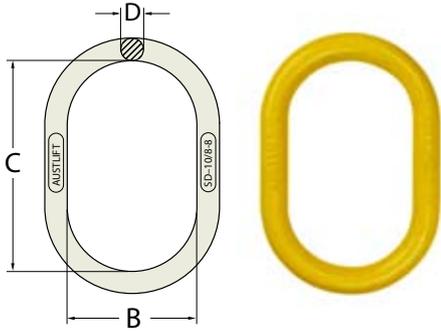
Austlift Grade 30 (L) calibrated Chain is generally used in marine or vertical hanging support applications. It is manufactured from carbon steel which has a high resistance to impact and wear, Meets AS 2321 "Short link Chain for lifting purposes". Chain is manufactured from German Wafos machine and it has class A hot dipped galvanized.

- Sizes available from 6mm to 13mm.
- Marked with Chain grade with traceability mark.
- Made from carbon steel with safety factor of 5 to 1
- Test Certificates available upon request.
- Conforms to AS2321.

full drum	cut length	SIZE mm	WLL tonne	DIMENSIONS (mm)			WEIGHT kg per m
				B	C	D	
101606	101706	6	0.4	21	18	6	0.8
101608	101708	8	0.64	28	24	8	1.43
101610	101710	10	1	35	30	10	2.22
101613	101713	13	1.7	46	39	13	3.73



**Master Link (Type SD)**

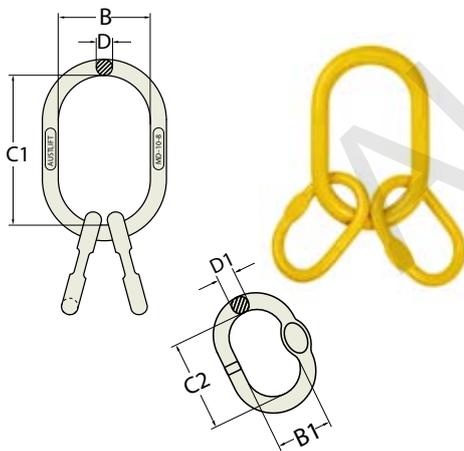


Austlift SD Type Head-Rings are designed to cater for single leg and double leg Chain Slings or Wire Rope Sling applications.

- Marked with single and double Chain sizes, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel, safety factor 4 to 1 for Chain Sling 5 to 1 for Wire Rope Sling.
- Test Certificates available upon request.
- Conforms to AS3776.

CODE	CHAIN SIZE		WLL tonne	Wt. kg	DIMENSIONS		
	1 leg mm	2 leg mm			B mm	C mm	D mm
101006	6	-	1.6	0.23	60	100	12
101008	8	6	1.9	0.44	70	120	14
101010	10	8	3.5	0.76	80	140	18
101013	13	10	5.5	1.48	95	160	22
101016	16	13	9.4	2.25	110	190	28
101020	20	16	13.9	5.32	140	240	35
101022	22	20	22.2	7.04	150	250	40
101026	26	22	27.4	7.86	150	250	45
101032	32	26	36.7	15.2	200	300	50
101036	36	32	54.5	20.54	200	350	55

**Master Link Multi (Type MD)**



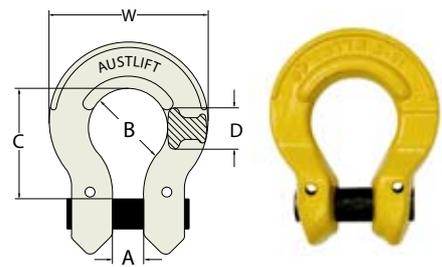
Austlift MD Type Multi Head Rings are designed as a large ring with two intermediate links to cater for two three and four leg Chain Sling or Wire Rope Sling applications.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel, safety factor 4 to 1 for Chain Sling , 5 to 1 for Wire Rope Sling.
- Test Certificates available upon request.
- Conforms to AS3776.

CODE	SIZE	WLL		Wt. kg	DIMENSIONS					
		4:1	5:1		B mm	B1 mm	C1 mm	C2 mm	D mm	D1 mm
101206	6	1.9	2.6	1.7	90	60	160	100	17	14
101208	7, 8	3.5	4	1.9	90	60	160	100	20	14
101210	10	5.5	6.4	3.3	120	70	220	150	24	17
101213	13	9.4	13.6	6.7	140	90	270	160	28	25
101216	16	13.9	16	9.3	140	100	270	180	32	27
101220	18, 20	22.2	20.8	19.1	160	140	300	270	40	32
101222	22	27.4	26.4	26.6	180	155	340	285	45	36

Austlift OL Type Omega Links are commonly used in conjunction with recessed Head Rings and Chain for Chain Slings. They are also a popular fitting for variable type slings.

- Marked with Chain size, grade and Austlift branded with manufacture quality mark.
- Made from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

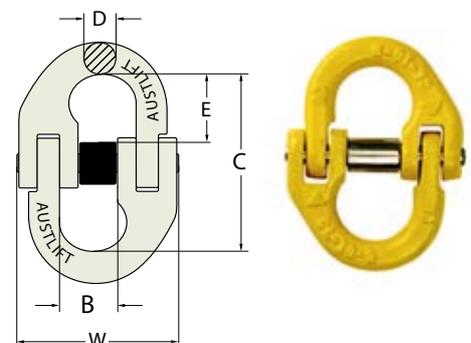


CODE	WLL	Wt.	DIMENSIONS				
			A	B	C	D	W
	tonne	kg	mm	mm	mm	mm	mm
104106	1.12	0.12	8	20.5	25	12	41
104108	2	0.22	10	23.5	35	16	52
104110	3.15	0.36	12	31.5	40.5	17	62
104113	5.3	0.71	15	41	54	20	81
104116	8	1.3	19	49.5	64	26	99

**Chain Connector CL**

Austlift CL Type Connecting Links are commonly used to connect Head Rings, Chain, Hooks and other lifting components for Chain Slings and a wide variety of other uses.

- Marked with Chain size, grade and Austlift branded with manufacture quality mark.
- Made from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.



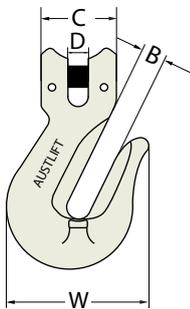
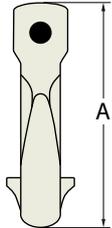
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
				B	C	D	E	W
	mm	tonne	kg	mm	mm	mm	mm	mm
101806	6	1.12	0.08	15	42	7	18	43
101808	7, 8	2	0.146	18	60.5	8.5	23.5	55
101810	10	3.15	0.3	25	68	11.5	27	69
101813	13	5.3	0.7	29	87	15	32	83
101816	16	8	1.3	34.5	108.4	19.8	41	102
101820	18, 20	12.5	2.1	41	121.5	24	52.5	117
101822	22	15	3.2	48	141.5	26	62	143
101826	26	21.2	4.5	57.5	158	30	64	163
101832	32	31.5	9	67	205	37	86	199

**Grab Hook Clevis (GC)**



Austlift GC Type Clevis grab hook provides the flexibility to shorten Chain Slings and can be used for back-hooking. Austlift Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The Clevis is designed for easy connection of Chain.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Made from G80 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Conforms to AS3776.



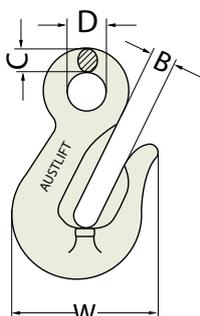
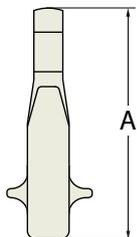
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
				A	B	C	D	W
	mm	tonne	kg	mm	mm	mm	mm	mm
101906	6	1.12	0.28	78	8	32	7.5	41
101908	7, 8	2	0.3	108	11	36	9	57
101910	10	3.15	0.95	127	13	46	12	70
101913	13	5.3	1.97	163	16	59	15	89
101916	16	8	3.45	204	20	70	17.5	109
101920	18, 20	12.5	5.3	243	23	80	23	130
101922	22	15	7.8	280	26	98	25.5	151
101926	26	21.2	14.5	309	30	110	30	175

**Grab Hook Eye (GE)**



Austlift GE Type Eye grab hook provides the flexibility to shorten Chain Sling and can be used for back-hooking. Austlift Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The eye is designed for easy connection of Chain Connector.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Made from G80 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Conforms to AS3776.

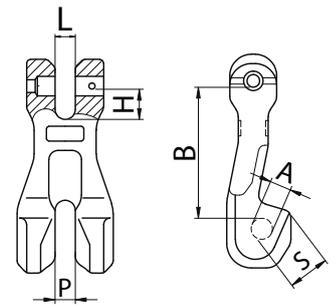


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
				A	B	C	D	W
	mm	tonne	kg	mm	mm	mm	mm	mm
102006	6	1.12	0.25	76.5	8	8	13	45
102008	7, 8	2	0.4	106	11	9.5	16	63
102010	10	3.15	0.6	126	13	12	20	79
102013	13	5.3	1.2	156	16	15	25	100
102016	16	8	2.7	193	20	19	28.5	122
102020	18, 20	12.5	4.3	226	25	20	36	150.5
102022	22	15	6.4	269	26	27	42	169
102026	26	21.2	9.8	298	30	32	45	175
102032	32	31.5	19.4	361	38	38	57	189

**Shortening Clutch, Clevis (CC)**

Austlift CC Type Shortening Clutch have the advantage of shortening a Chain Sling without loss of the working load limit of the sling. The Clevis allows easy connection to Chain. Not recommended for use as a bottom fitting of sling for back-hooking and reeving applications.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS 3776, Test Certificates available upon request.

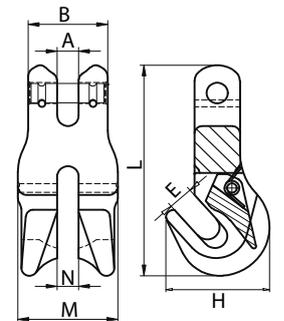


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
				A	B	P	L	H	S
	mm	tonne	kg	mm	mm	mm	mm	mm	mm
102106	6	1.1	0.17	8	44	7.5	7.5	10.3	12
102108	7,8	2	0.41	10.5	61.7	9.5	9.5	14	17
102110	10	3.2	0.97	12.4	92	13	13	18.4	28
102113	13	5.3	2	16	115	16.5	16.5	22.7	34.5
102116	16	8	3.32	19.5	143	21	21	28.5	40
102120	18,20	12.5	6.2	23	152	23.5	23.5	33.6	46
102122	22	15	8.5	26	195	25.5	25.5	39	57.5

**Shortening Clutch, Locking Clevis (CCL)**

Austlift SC Type Lockable Clutches have the advantage of shortening a Chain Sling without loss of the working load limit. The clevis allows easy connection to Chain with the added safety of a Chain locking device to prevent the Chain to dislodge from the hook.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS3776, Test Certificates available upon request.

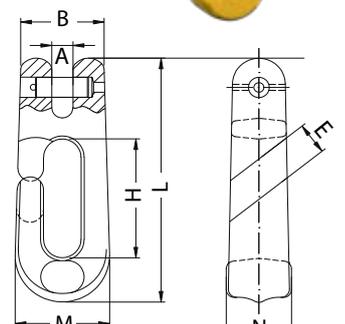


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS						
				A	B	E	M	N	H	L
	mm	tonne	kg	mm	mm	mm	mm	mm	mm	mm
102140	10	3.2	0.99	12	44.5	14	56	12	58	121

**Clutch Choker, Clevis Type (CC)**

Austlift CC Type Clevis Choker Hooks are a special purpose Hook suitable for choke hitch applications. The narrow throat opening prevents the Chain from being dislodged. The clevis allows easy connection to Chain.

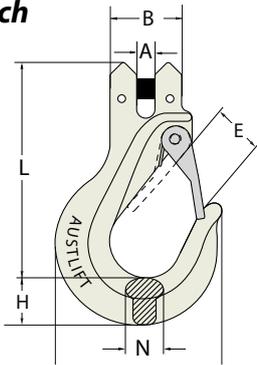
- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS 3776, Test Certificates available upon request.



CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS						
				A	B	H	M	N	E	L
	mm	tonne	kg	mm	mm	mm	mm	mm	mm	mm
103420	8	2	0.68	10.5	41	60	46.5	32	16	123

## Sling Hook, Clevis Type (SC)

### With Forged Steel Latch



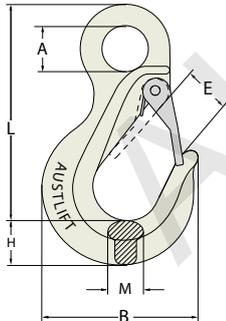
Austlift SC Type Clevis Sling Hooks are a general purpose hook suitable for most slinging applications. They come with cast latch for added safety. Clevis allows easy connection to Chain.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
				A	B	E	N	H	L
	mm	tonne	kg	mm	mm	mm	mm	mm	mm
102906	6	1.12	0.3	7.5	32	22	18	20.5	121
102908	7,8	2	0.5	9	36	25.5	18	23.5	137
102910	10	3.15	0.95	12	46	34	20	30	175.5
102913	13	5.3	1.9	15	59	41.5	29.5	37.5	210.5
102916	16	8	3.45	17.5	70	46	34	42.5	248.5
102920	18,20	12.5	6.5	23	80	52	45	54	309
102922	22	15	9.65	25.5	98	60	48	76	375.5

## Sling Hook, Eye Type (SE)

### With Forged Steel Latch



Austlift SE Type Eye Sling Hooks are a general purpose hook suitable for most slinging applications. They come with heavy duty latch for added safety. Eye allows easy connection to coup links and can be attached to lifting apparatus.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
				A	B	E	H	M	L
	mm	tonne	kg	mm	mm	mm	mm	mm	mm
103006	6	1.1	0.3	20	74	22	20.5	18	122
103008	7,8	2	0.5	25.5	83	26	23.5	18	138.5
103010	10	3.2	0.8	32.5	107	34	30	20	176.5
103013	13	5.3	1.9	39.5	134.3	41	37.5	29.5	218
103016	16	8	3.4	50	157.5	44	42.5	34	260
103020	18,20	12.8	5.3	60	189	52	53	44	310
103022	22	15	8.9	68	239	60	74	50	375.5
103026	26	21.2	13.4	75	245	71	83	63	412
103032	32	31.5	19	88	250	102	95	76	446

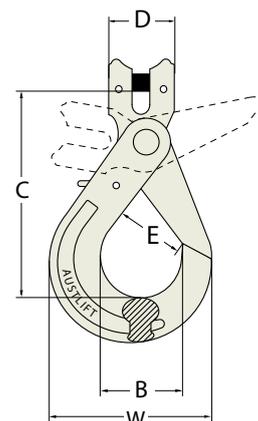
Austlift LC Type Clevis Self-Locking Hook allows the hook to remain open until the load is engaged. The hook will not open until the trigger at the back is pressed.

The clevis style allows easy connection to the Chain.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Load Pins are available.



CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
				B	C	D	E	W
	mm	tonne	kg	mm	mm	mm	mm	mm
102206	6	1.1	0.4	34	96	32	28	69
102208	7,8	2	0.7	46	118.5	36	36	88
102210	10	3.15	1.5	58	144	46	45	107
102213	13	5.3	2.7	69	181.5	59	50	138
102216	16	8	5.6	86	216	70	60	182
102220	18, 20	12.5	10.5	92	238	81	72	204
102222	22	15	13.8	98	276	98	78	205
102226	26	21.2	18.2	110	311	118	106	240



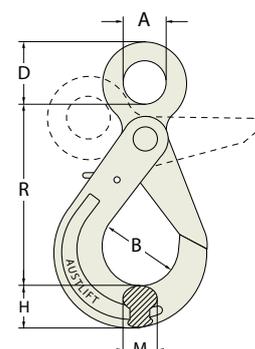
**Self Locking Hook, Eye Type (LE)**

Austlift LE Type Eye Self-Locking Hook allows the hook to remain open until the load is engaged. The hook will not open until the trigger at the back is pressed. The eye style allows easy connection to Chain Connectors, Shackles and Wire Rope Slings.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits are available.



CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
				A	B	D	R	H	M
	mm	tonne	kg	mm	mm	mm	mm	mm	mm
102306	6	1.1	0.5	22	34	10.5	110.5	20	15
102308	7,8	2	0.8	25	46	12	136	24	20
102310	10	3.15	1.5	32	58	13	169	28	26
102313	13	5.3	2.8	40	69	16.5	208	40.5	32.5
102316	16	8	5.4	50	86	20	254.5	50.5	41
102320	18, 20	12.5	10	61	92	26.5	290	62	50
102322	22	15	13.4	72	98	30	320	65	52
102326	26	21.2	18.5	80	110	34.3	362	75	60
102332	32	31.5	44.5	105	166	45	472	97	79.5

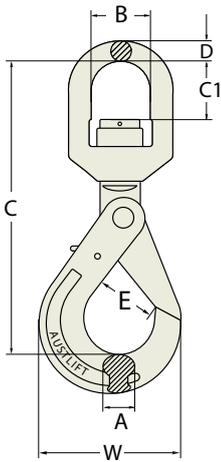


**Self Locking Hook, Swivel Type (LS)**



Austlift LS Type Swivel Self-Locking hook have a ball bearing swivel to allow the hook to swivel under load thus reducing the twist of a sling. Designed with enlarged eye for passing larger Shackles without disassemble of the hook.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Ball bearing swivel allows the hook to rotate under full load.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Swivel Bow head are available.



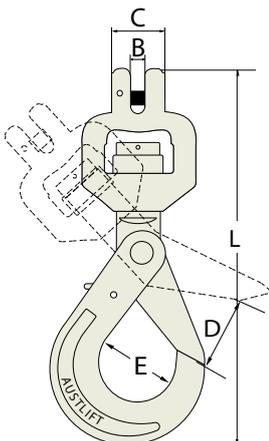
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS						
				A	B	C	C1	D	E	W
	mm	tonne	kg	mm	mm	mm	mm	mm	mm	mm
102406	6	1.1	0.71	15	32.5	164.5	35	11.5	28	69.7
102408	8	2	1.12	20	36	204	42	13	36.5	88
102410	10	3.15	2	26	42	240.5	50	15.5	45	107.7
102413	13	5.3	4	32.5	50	284.5	60	17	53.6	137
102416	16	8	7.3	38	61	350.5	65	21.5	61	165.5

**Swivel Self Locking Hook, Clevis Type (LT)**



Austlift LT type Swivel Self locking hook, Clevis Type, fitted with a ball bearing which will allow the hook to swivel under load. The clevis type will let chain connected to the hook directly which makes the chain sling compact and friendly to use.

- Marked with chain size, product ID, Grade and Manufacture's ID.
- Manufactured from G80 Material with safety factor of 4 to 1.
- Test certificate available upon request.
- Spare Trigger Kits and Swivel Clevis head are available.
- Conforms to AS3776.

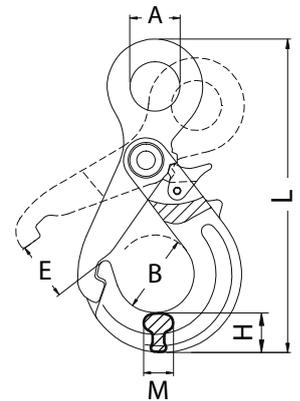


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS				
				B	C	D	E	L
	mm	tonne	kg	mm	mm	mm	mm	mm
103106	6	1.12	0.73	8	32	28	34	180
103108	8	2	1.3	9.5	37	34	46	227.5

**Grip Self Locking Hook Eye Type(NE)**

Austlift NE Type Eye Grip-Locking Hook allows the hook to remain open until the load is engaged, the hook will not open until the Trigger at the back is pressed. Eye style allows easy connection to the Chain and also has a unique design to prevent side loading of the latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Load Pins are available.

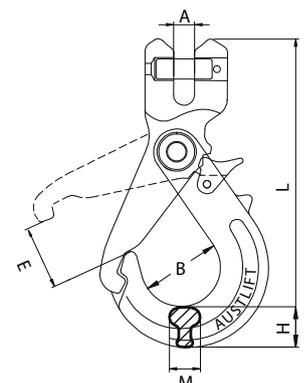


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
				A	B	E	H	L	M
	mm	tonne	kg	mm	mm	mm	mm	mm	mm
102608	8	2	0.75	25	40	34	21.5	163	18
102610	10	3.15	1.2	32	50	42	26.5	201.5	22.5
102613	13	5.3	1.93	40	60	50	31	243.5	29
102616	16	8	3.4	50	70	60	39.5	298	35

**Grip Self Locking Hook Clevis Type(NC)**

Austlift NC Type Clevis Grip-Locking Hook allows the hook to remain open until the load is engaged. The hook will not open until the Trigger at the back is pressed. Clevis style allows easy connection to the Chain and also has a unique design to prevent side loading of the latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Load Pins are available.

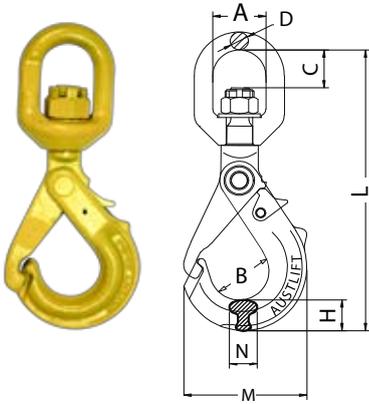


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
				A	B	H	E	M	L
	mm	tonne	kg	mm	mm	mm	mm	mm	mm
102508	8	2	0.8	9.5	40	21.5	36	18	149

**Grip hook, Swivel Type(NC)**

Austlift NC Type Swivel Self-Locking Hooks are designed with a plain bush bearing swivel to allow the hook to reduce twist under load. They also have a unique design to prevent side loading of the latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Swivel Bow head are available.



CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS						
				A	B	C	D	N	M	L
	mm	tonne	kg	mm	mm	mm	mm	mm	mm	mm
102708	8	2	0.97	35.5	40	26	12.5	18	83	193.5
102710	10	3.15	1.83	42	50	33	15	22.5	101	233
102713	13	5.3	3.3	50	60	39	18	29	121	273

**Swivel Hook with Safety Catch(SS)**

Austlift SS Type Swivel Sling Hooks are designed with a plain bush bearing swivel thus allowing the hook to swivel under load. Comes with heavy duty Safety Latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Latch Kits are available.

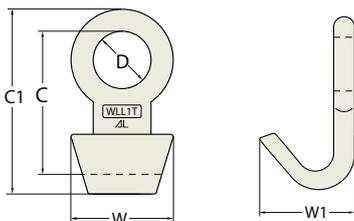


CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS					
				A	B	C	E	H	L
	mm	tonne	kg	mm	mm	mm	mm	mm	mm
102808	8	2	0.85	36	88.5	26	27	23.5	190
102810	10	3.15	1.54	42	104.5	34	32	29.5	233
102813	13	5.3	3.04	49	135	41	40	38	291.5
102816	16	8	5.36	61	161	53	45	45.4	352

**Drum Hook, Eye Type**

Austlift Eye Drum Hooks are used in pairs. They are designed to lift and transport steel drum with drum lid in place.

- Manufactured from grade 80 alloy steel.
- Drop forged and heat treated.
- Conforms to AS3776 for G80 fittings.
- Individually proof tested at 2 x WLL
- Test Certificates available upon request.



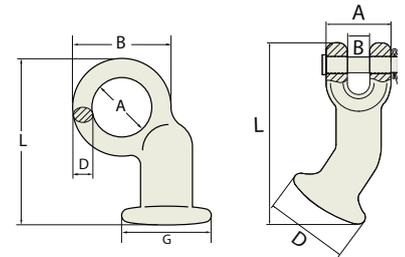
CODE	WLL	DIMENSIONS				
		C	C1	D	W	W1
	tonne	mm	mm	mm	mm	mm
104401	1t/pair	109	118.5	38	59	60



**Elephants Foot**

Austlift Elephants Foot are commonly used as a lashing point to secure trucks, cars, container chassis and other vehicles on ships and barges in the marine industry.

- Lashing capacity of 5,000 kg with a minimum break load of 20,000 kg.
- Test Certificates available upon request.

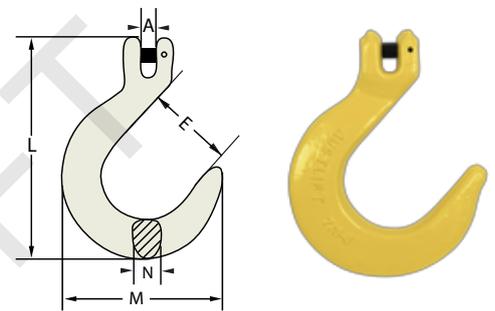


CODE	LC	MBS	Wt.	DIMENSIONS					
				type	kg	ton	kg	A mm	B mm
106100	Eye	5000	20	0.67	28	60	16	52.5	116
106200	Clevis	5000	20	0.97	16	46	59	-	130

**Foundry Hook, Clevis Type (FC)**

Austlift FE Type Clevis Foundry Hooks are a special purpose hook with large mouth opening, The clevis allows easy connection to the chain. Suitable for lifting pipes and foundry applications.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

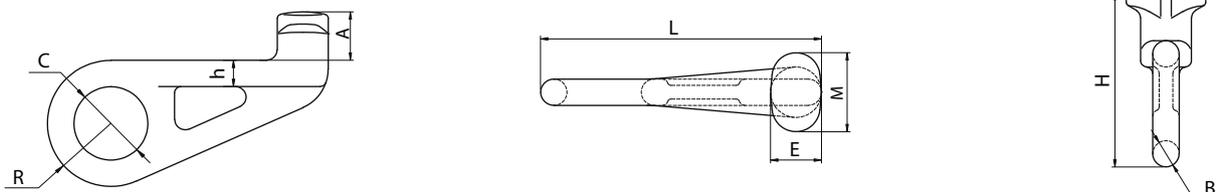


CODE	TYPE	WLL	Wt.	DIMENSIONS					
				mm	tonne	kg	A mm	E mm	M mm
107008	7,8	2	1.1	9.5	63.4	128	18	161	
107010	10	3.15	2.5	13	76.9	156	32	199	

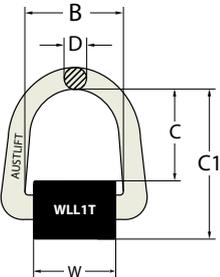
**Container Hook**

Austlift Eye Type Container Hooks are a special purpose hook suitable for lifting containers by connection to twist lock pocket. The large diameter eye allows most hooks size to fit. There is left and right hand configurations and a straight configuration available.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS 3776, Test Certificates available upon request.



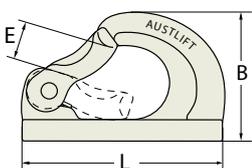
CODE	CHAIN SIZE	WLL	Wt.	DIMENSIONS										
				G80 mm	G100 mm	tonne	kg	A mm	B mm	C mm	E mm	R mm	M mm	L mm
104410	Straight	20	19	12.5	4	46	25	70	48	60	75	265	166	25
104412	LH 45	20	19	12.5	4	46	25	70	48	60	75	265	166	25
104413	RH 45	20	19	12.5	4	46	25	70	48	60	75	265	166	25

**Weld on Point (WP)**


Austlift WP Type Weld on Lifting Points can be welded on any carbon steel surface as a lifting point, or to be used as a fixed anchor point for spreader beam attachment. Can also be used as an anchor point for load restraint applications.

- Marked with work load limit, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from treated alloy steel with safety factor of 4:1
- Conforms to AS3776, Test Certificates available upon request.
- Welding instructions supplied with each unit

CODE	WLL	Wt.	DIMENSIONS				
			B	D	C	C1	W
	tonne	kg	mm	mm	mm	mm	mm
104001	1	0.55	55	14	35	95.7	50
104003	3	0.9	64	17	50	99	58
104005	5	1.8	70	22	70	137	64
104008	8	2.5	85	26.5	90	144	66.5

**Universal Weld on Hook (WH)**
**With Latch**


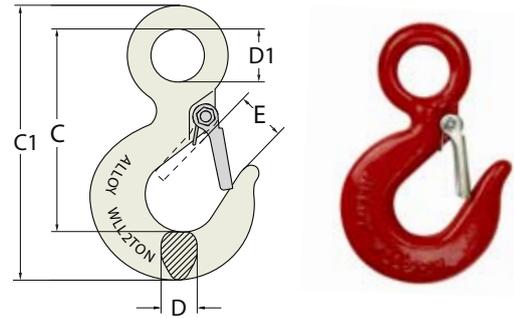
Austlift WH type Weld-on Hooks are a versatile hook for lifting and spreader beam attachment applications, can also be used for any fixed anchor point after welding the hook on.

- Marked with work load limit, grade and Austlift branded with manufacture quality mark.
- Made from G80 alloy steel with safety factor of 4:1
- Conforms to AS3776, Test Certificates available upon request.
- Welding instructions supplied with each unit

CODE	CHAIN SIZE	WLL	B.L	Wt.	DIMENSIONS		
					B	E	L
	mm	tonne	tonne	kg	mm	mm	mm
103801	6	1.1	5.5	0.35	53	18	87
103802	7, 8	2	10	0.55	63.5	26	112
103803	10	3.2	16	0.87	75	30	127.5
103805	13	5.3	26.5	1.75	92.5	35	160
103808	16	8	40	3.0	106	40	180
103812	22	12.5	62.5	6.16	140	51	236

Austlift International Eye Hoist Hooks with Safety Latch are commonly used for general lifting applications such as Wire Rope Slings or Winch Cables.

- Manufactured from forged alloy steel quenched and tempered.
- Capacities available from 1 ton to 11 ton.
- Marked with work load limit and alloy.
- Conforms to AS3777 with safety factor of 4:1
- Latch kits are available as spare part.
- Test Certificates available upon request

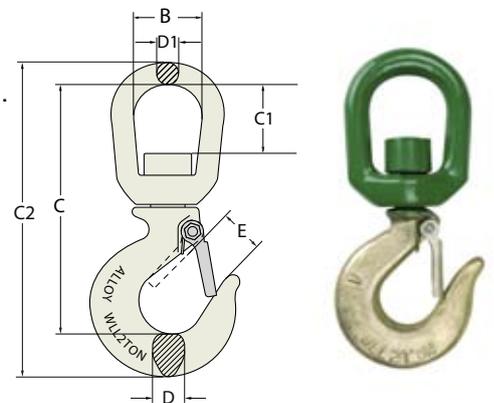


CODE	WLL	B.L	Wt.	DIMENSIONS				
	tonne	tonne		C mm	C1 mm	D mm	D1 mm	E mm
104510	1	5	0.28	82	110	16	19	22
104515	1.5	7.5	0.4	93.5	125	17.5	23	23
104520	2	10	0.65	103	140.5	21	28	24
104530	3	15	0.94	119	162	23	31	27.5
104545	4.5	25	1.95	146	201	30	39	33
104570	7	35	3.77	186.5	256	38	51	40
104599	11	55	6.80	231.5	317	46	62	51

*Hoist Hook , Swivel Type*

Austlift International Swivel Eye Hoist Hooks with Safety Latch are commonly used for general lifting and can also be towing applications.

- Manufactured from forged alloy steel quenched and tempered.
- Capacities available from 1 ton to 11 ton.
- Marked with work load limit and alloy.
- Conforms to AS3777 with safety factor of 4:1
- Latch kits are available as spare part.
- Test Certificates available upon request

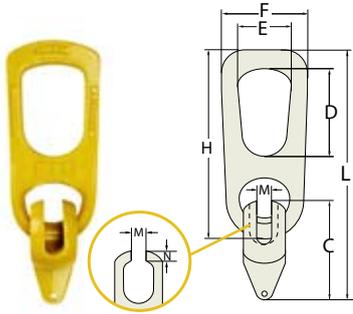


Special Note: This hook is a positioning device & is not intended to rotate under load. Use in salt water requires the shank & nut to be inspected regularly.

CODE	WLL	Wt.	DIMENSIONS						
	tonne	kg	B mm	C mm	C1 mm	C2 mm	D mm	D1 mm	E mm
105010	1	0.34	32	108	22.5	136	16	9	17
105015	1.5	0.57	37.5	133.5	29.5	163.5	16	12	22.5
105020	2	1.02	42.5	150.5	33	192	17.5	15.8	26
105030	3	1.24	42.5	163	33	209	23	15.8	26
105045	4.5	2.25	48	191	39	246	31	18	32.5
105070	7	4.66	64	243.5	53	313	34	25	43
105099	11	7.4	70	277	53	364	41.5	28.5	49.5



**ANCHOR AND CLUTCH MUST BE MATCHED.**



Austlift Panel Lifters are a versatile lifting product for lifting pre-cast concrete products such as construction panels, pipes, columns etc.

- Marked with workload limit, serial number and Austlift branded.
- Made from G80 alloy steel with a safety factor of 5 to 1.
- Conforms to AS3850, Test Certificates available with each unit.

Regularly Check Table\*

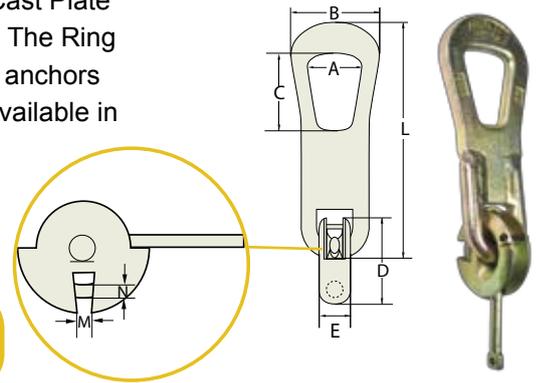
WLL(T)	M max (mm)	N min(mm)
1.3	13	5.5
2.5	18	5.5
5	25	8
10	32	12
20	46	18
32	58	24

CODE	WLL	Wt.	DIMENSIONS						
			C	D	E	F	H	M	L
	tonne	kg	mm	mm	mm	mm	mm	mm	mm
141001	1.3	0.89	80.4	70.5	45	73	157	11.5	181
141002	2.5	1.3	99	85	57	88	190	16	220
141005	5	3.24	133	88	69	110	233	22	271
141010	10	10	176	116	83	161	336.5	30	386
141020	20	20.37	228	133.5	107.5	182	437	42	497
141030	32	47	325	188	160	272	555	52	760

\*Panel Lifters should be checked regularly follow the Regularly Check Table.

Austlift Ring Clutch is a lifting device which is used together with Austlift Cast Plate Anchors. Ring Clutches are used for lifting large precast concrete panels. The Ring Head of the clutch has a locking bolt, which helps to safely lock into plate anchors while the concrete panels is in lifting process. Austlift Ring Clutches are available in a variety of lifting capacities to suite to your work.

- Capacities available from 2.5 tonne to 10 tonne.
- All clutches are proof loaded, Test Certificate supplied.
- Ring Clutches have a safety factor of 5 to 1.



**ANCHOR AND CLUTCH MUST BE MATCHED.**

CODE	WLL tonne	DIMENSIONS					
		A mm	B mm	C mm	D mm	E mm	L mm
141102	0.7-2.5	52	92	70	74	30	285
141105	3.0-5.0	71	120	86	98	36	285
141110	5.3-10.0	90	156	112	139	50	353

Regularly Check Table*		
WLL (T)	M max (mm)	N min (mm)
0.7-2.5	13	12
3.0-5.0	19.5	15.5
5.3-10.0	23.5	22.5

\*Panel Lifters should be checked regularly follow the Regularly Check Table.

**Spread Anchor**

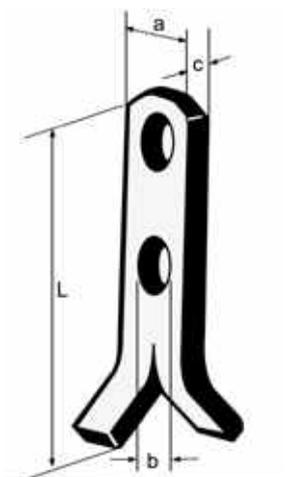
CODE	WLL tonne	DIMENSIONS			
		a mm	b mm	c mm	L mm
730711	0.7	30	14	5	110
731411	1.4	30	14	6	110
731416	1.4	30	14	6	160
732013	2.0	30	14	8	130
732016	2.0	30	14	8	160
732021	2.0	30	14	8	210
732515	2.5	30	14	10	150
732520	2.5	30	14	10	200
732525	2.5	30	14	10	250

Austlift RR Anchors are produced from high strength low alloy steel plates. Austlift RR Anchors have high tensile strength and good elongation. Due to special material, Austlift RR Anchors has high impact test value and can be used under low temperature circumstances (up to - 20). Upper hole of RR Anchor is used for connection with Austlift Ring Clutch. Bottom hole is used for reinforcement. Due to reinforcement, force is transmitted to precast concrete element. Austlift Two Holes Anchor can be used for lifting of precast concrete girders, plates other elements.



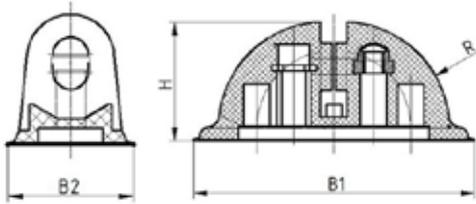
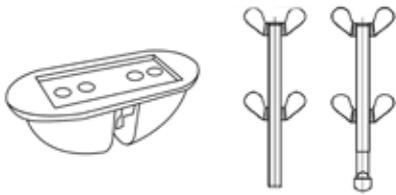
CODE	WLL tonne	DIMENSIONS			
		a mm	b mm	c mm	L mm
733016	3.0	40	18	10	160
733020	3.0	40	18	10	200
733028	3.0	40	18	10	280
734018	4.0	40	18	12	180
734024	4.0	40	18	12	240
734032	4.0	40	18	12	320
735018	5.0	40	18	15	180
735024	5.0	40	18	15	240
735040	5.0	40	18	15	400

CODE	WLL tonne	DIMENSIONS			
		a mm	b mm	c mm	L mm
735322	5.3	60	26	12	220
735326	5.3	60	26	12	260
735334	5.3	60	26	12	340
737526	7.5	60	26	16	260
737530	7.5	60	26	16	300
737542	7.5	60	26	16	420
739030	10	60	26	20	300
739037	10	60	26	20	370
739052	10	60	26	20	520



**Recess Former Kit**

Austlift Recess Former kit are special lifting accessories which used together with Austlift Lifting Stud and Austlift Lifting Clutch. They are needed to create a hole in the concrete element, when lifting stud is mounted to the concrete. After concrete is stable, Austlift Recess Former is taken out and lifting clutch is used to lift the precast concrete element. Austlift Recess Former Round is made from rubber. Each size has a different colour, which makes identification of load class easier.



CODE	WLL.	DIMENSIONS				
		B1	B2	R	H	Wt
	ton	mm	mm	mm	mm	kg/pc
141132	2.5	106	43	40	45	0.13
141135	5	134	55	56	59	0.24
141137	10	188	78	80	81	0.66

**Swivel - Bow/Clevis Type**

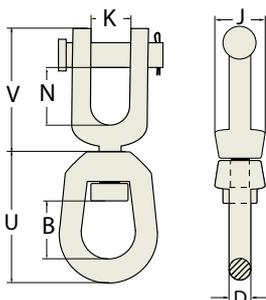


**Note: Swivels are intended as positioning devices and are not to rotate under load. Applications in corrosive environment requires shank and nut inspection and lubrication regularly.**



Austlift Swivel Type Bow & Clevis are commonly used for marine and fishing applications. Manufactured from high tensile steel, quenched, tempered and hot dipped galvanized.

- Sizes available from 6mm to 25mm.
- Ultimate load is 5 times working load limit.
- Test Certificates available upon request.

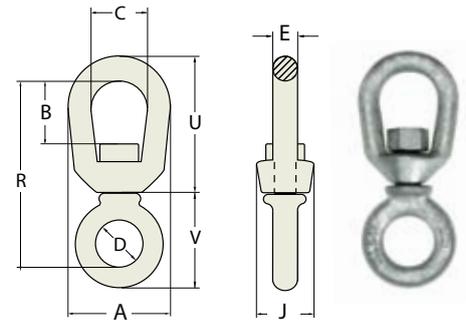


CODE	SIZE	WLL	Wt.	DIMENSIONS						
				B	D	J	K	N	U	V
	mm	tonne	kg	mm	mm	mm	mm	mm	mm	mm
109206	6	0.39	0.1	17.5	6	17.5	11.9	22.4	42.9	42.9
109208	8	0.57	0.15	20.6	8	20.6	12.7	22.4	52	46
109210	10	1.02	0.30	23.9	10	25.4	16	26.9	63.5	57
109212	12	1.63	0.61	33.3	12	33.3	18.1	33.3	81	73
109216	16	2.36	1.12	39.5	16	41.4	23.9	38.1	98.5	87
109220	20	3.27	1.76	44.5	20	47.8	28.7	44.5	109	102
109225	25	5.67	4.46	58.5	25	67	44.5	71.5	146	151

**Swivel - Eye/Bow Type**

Austlift Swivel Type Eye & Bow are commonly used for marine and fishing applications. Manufactured from high tensile steel, quenched, tempered and hot dipped galvanized.

- Sizes available from 6mm to 25mm.
- Ultimate load is 5 times working load limit.
- Test Certificates available upon request.

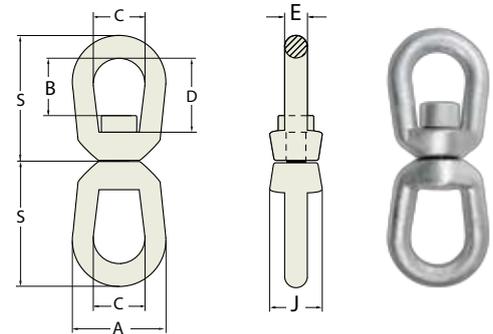


CODE	SIZE	WLL	Wt.	DIMENSIONS								
				A	B	C	D	E	J	R	U	V
	mm	tonne	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm
109006	6	0.39	0.06	31.8	17.5	19.1	15.7	6	17.5	57	42.9	31.8
109008	8	0.57	0.11	41.4	20.6	25.4	19.1	8	20.6	69	52.5	37.3
109010	10	1.02	0.24	51	23.9	31.8	25.4	10	25.4	87	63.5	47.8
109012	12	1.63	0.51	63.5	33.3	38.1	31.8	12	33.3	108	81	62
109016	16	2.36	0.95	76.2	39.6	44.5	38.1	16	38.1	130	98.5	74.5
109020	20	3.27	1.4	89	44.5	51	44.5	20	47.8	147	125	88
109025	25	5.72	3.2	92	56	62	52.5	25	56.3	156	134	95

**Swivel - Bow/Bow Type**

Austlift Swivel Type Bow & Bow are commonly used for marine and fishing applications. Manufactured from high tensile steel, quenched, tempered and hot dipped galvanized.

- Sizes available from 6mm to 25mm.
- Ultimate load is 5 times working load limit.
- Test Certificates available upon request.



CODE	SIZE	WLL	Wt.	DIMENSIONS						
				A	B	C	D	E	S	J
	mm	tonne	kg	mm	mm	mm	mm	mm	mm	mm
109106	6	0.39	0.1	31.8	17.5	19.1	26.9	6	42.9	17.5
109108	8	0.57	0.18	41.4	20.6	25.4	31.8	8	52	20.6
109110	10	1.02	0.32	51	23.9	31.8	38.1	10	63.5	25.4
109112	12	1.63	0.6	63.5	33.3	38.1	51	12	81	33.3
109116	16	2.36	1.13	76	39.5	44.5	60.5	16	98.5	38.1
109120	20	3.27	1.82	89	44.5	51	67	20	109	47.8
109122**	22	4.5	2.4	100	50.3	55.5	57	23.1	120	55
109125	25	5.67	4.06	114	58.5	63.5	89	25	146	60.5

\*\* 109122: Delete stock line after sold out.



**Note: Swivels are intended as positioning devices and are not to rotate under load. Applications in corrosive environment requires shank and nut inspection and lubrication regularly.**

**SPARE PARTS**

**Spare Parts for Hooks**



Safety Latch for Sling Hook

CODE	SIZE	SUIT FOR PRODUCTS		
	mm	Eye	Clevis	Swivel
030006SP	6	SE-6-8	SC-6-8	SS-6-8
030008SP	7/8	SE-7/8-8	SC-7/8-8	SS-7/8-8
030010SP	10	SE-10-8	SC-10-8	SS-10-8
030013SP	13	SE-13-8	SC-13-8	SS-13-8
030016SP	16	SE-16-8	SC-16-8	SS-16-8
030020SP	20	SE-20-8	SC-20-8	SS-20-8
030022SP	22	SE-22-8	SC-22-8	SS-22-8
030026SP	26	SE-26-8	SC-26-8	SS-26-8
030032SP	32	SE-32-8	SC-32-8	SS-32-8



Safety Trigger Kit for Self Locking Hook

CODE	SIZE	SUIT FOR PRODUCTS		
	mm	Eye	Clevis	Swivel
030106	6	LE-6-8	LC-6-8	LS-6-8
030108	7/8	LE-7/8-8	LC-7/8-8	LS-7/8-8
030110	10	LE-10-8	LC-10-8	LS-10-8
030113	13	LE-13-8	LC-13-8	LS-13-8
030116	16	LE-16-8	LC-16-8	LS-61-8
030120	20	LE-20-8	LC-20-8	LS-20-8
030122	22	LE-22-8	LC-22-8	LS-22-8
030126	26	LE-26-8	LC-26-8	LS-26-8
030132	32	LE-32-8	LC-32-8	LS-32-8



Safety Catch for Hoist Hook and Swivel Hook

CODE	WLL	SUIT FOR PRODUCTS	
	tonne	Hoist Hook	Swivel Hook
030210SP	1	104510	104510
030215SP	1.5	104515	104515
030220SP	2	104520	104520
030230SP	3	104523	104530
030245SP	4.5	104545	104545
030270SP	7	104570	104570
030290SP	11	104599	104599

CODE	WLL	SUIT FOR PRODUCTS
tonne		
030201SP	1	WH-1-8
030202SP	2	WH-2-8
030203SP	3	WH-3-8
030205SP	5	WH-5-8
030208SP	8	WH-8-8



Safety Latch Kit for Weld on Hook

CODE	SIZE	SUIT FOR			
	mm	Clevis Sling Hook	Clevis Self Lock Hook	Clevis Grip Hook	Clevis Grab Hook
030306SP	6	SC-6-8	LC-6-8	GLC-6-8	GC-6-8
030308SP	7/8	SC-7/8-8	LC-6-8	GLC-6-8	GC-7/8-8
030310SP	10	SC-10-8	LC-6-8	GLC-6-8	GC-10-8
030313SP	13	SC-13-8	LC-6-8	GLC-6-8	GC-13-8
030316SP	16	SC-16-8	LC-6-8	GLC-6-8	GC-16-8
030320SP	20	SC-20-8	LC-6-8	GLC-6-8	GC-20-8
030322SP	22	SC-22-8	LC-6-8	GLC-6-8	GC-22-8
030326SP	26	SC-26-8	LC-6-8	GLC-6-8	GC-26-8



Pin for Clevis Hook

CODE	SIZE	SUIT FOR PRODUCTS
mm		
030506SP	6	CL-6-8
030508SP	7/8	CL-7/8-8
030510SP	10	CL-10-8
030513SP	13	CL-13-8
030516SP	16	CL-16-8
030520SP	20	CL-20-8
030522SP	22	CL-22-8
030526SP	26	CL-26-8
030532SP	32	CL-32-8



Pin and Stud for Chain connector

**Chain Sling Tag & Connecting Ring**

Austlift G80 Safe Work Load Tags are essential to identify a Chain Sling's lifting capacity together with other relevant information.

- Single and Multi lifting available.
- Sizes from 6mm to 16mm and blank tags available.
- Manufactured in 304 stainless steel material.

SIZE	CODE (Single)	CODE (Multi)
Blank	100100	100200
6	100106	100206
7	100107	100207
8	100108	100208
10	100110	100210
13	100113	100213
16	100116	100216



## WORKING LOAD LIMITS (TONNES)

## GRADE 80 (T) Chain Slings

DIA	DIRECT LOAD	ADJUSTABLE SLING	CHOKE HITCH	ENDLESS SLING									
				DIRECT LOAD			REEVED SLING			BASKET HITCH			REEVED SLING
				60°	90°	120°	60°	90°	120°	60°	90°	120°	
6	1.1	1.1	0.8	1.9	1.6	1.1	1.5	1.2	0.8	1.5	1.2	0.8	1.7
7	1.5	1.5	1.1	2.6	2.1	1.5	1.95	1.6	1.1	1.95	1.6	1.1	2.2
8	2.0	2.0	1.5	3.5	2.8	2.0	2.6	2.1	1.5	2.6	2.1	1.5	3.0
10	3.2	3.2	2.4	5.5	4.5	3.2	4.1	3.4	2.4	4.1	3.4	2.4	4.8
13	5.3	5.3	4.0	9.2	7.5	5.3	6.9	5.6	4.0	6.9	5.6	4.0	8.0
16	8.0	8.0	6.0	13.8	11.3	8.0	10.4	8.5	6.0	10.4	8.5	6.0	12.0
20	12.5	12.5	9.4	21.6	17.6	12.5	16.3	13.3	9.4	16.3	13.3	9.4	18.8
22	15.0	15.0	11.3	26.0	21.2	15.0	19.5	15.9	11.3	19.5	15.9	11.3	22.5
26	21.2	21.2	15.9	36.7	29.9	21.2	27.6	22.5	15.9	27.6	22.5	15.9	31.8
32	31.5	23.6	23.6	54.5	44.4	31.5	41.0	33.4	23.6	41.0	33.4	23.6	47.3

## ADVICE FOR SAFE USE &amp; MAINTENANCE

**Use**

- Keep a register of all slings in use
- Never lift with a twisted Chain
- Chain Slings should be shortened with a shortening hook, never by knotting
- Protect the Chain against sharp edges by proper padding
- Never point load a hook - The load should always seat correctly in the bowl of the hook
- Always use the correct size sling for the load allowing for the included angle and the possibility of unequal loading
- The Master Link should always be able to move freely on the crane hook
- Avoid snatch-loading at all times.

**Maintenance**

Periodic examinations must be carried out by a competent person at least every 6 months or more frequently according to statutory regulations, type of use, past experience and harsh environment.

1. Chains with bent links or with cracks or gouges in the link should be replaced. As should deformed components such as bent Master Links, opened up Hooks and any fitting showing signs of damage.
2. The wear and tear of the Chain and components shall in no place exceed 10% – is defined as the reduction for the mean diameter of the material measured in two directions.
3. Overloaded Chain Slings must be taken out of service. Permanent elongation of Chain is max 5% and permanent increase of hook opening max 10%.

### Assymmetric Loading Conditions

For unequally loaded Chain Slings we recommend that the working load limits be determined as follows:

- 2-leg slings calculated as the corresponding 1-leg slings
- 3-leg and 4 leg slings calculated as the corresponding 2-leg slings.

### Acidic Chemicals & Atmosheres

Chain and components Grade G80 must not be used in acidic conditions or corrosive environment.

Note: Hot dip galvanizing or plating is not allowed outside the control of the Chain manufacturer. Use of a Grab Hook 6mm to 26mm does not reduce the WLL of a sling, thanks to supporting lugs on either side of hook to prevent Chain link deformation. Use of a shortening hook 32mm will reduce a sling to 25% of its WLL.

### Extreme Temperature Conditions

For G80 Chain Slings the "in-service" temperature of the whole or part of the Chain Sling affects the working load limit as follows:

TEMPERATURE OF SLING	ALLOY PRODUCTS REDUCTION IN WORKING LOAD LIMIT
-40° to 200°C	None
+200° to 300°C	10%
+300° to 400°C	25%
+400°	DO NOT USE

All Austlift Alloy products meet the requirements of AS2321 for Chain and AS3775 for fittings. All Austlift Chain and fittings are manufactured to Lloyds Register Quality Assurance EN ISO 9001:9004 which is the direct equivalent to AS3901.

### WELDING INSTRUCTIONS

**For Austlift Weld on Hook (WH) & Lifting Point (WP)**

TEMPERATURES	WLL REDUCTION
-40° to 200°C	None
+200° to 300°C	10%
+300° to 400°C	25%
Over + 400°C	Do not use

#### Guide for electrodes to use

AS 1553.1:	E4818 Grade 4-6
AWS A5.1:	E7018-1 or equivalent
BS 639:	51 56B 110 26(H)
DIN 1913:	E 51 54 B10
ISO 2560:	E 51 5 B 120 20H



PRODUCT	MAX. WIDTH OF PLATE (mm)	MAX. HEIGHT OF PLATE (mm)	MIN THICKNESS OF PLATE (mm)	MIN. THICKNESS OF FILLET WELD (mm)
WH-1-8	800	800	11	11
WH-3-8	1290	1290	19	19
WH-5-8	1560	1560	24	24
WH-8-8	1780	1780	30	30
WH-12-8	1930	1930	35	35
WP-1-8	800	800	11	11
WP-2-8	1050	1050	15	12
WP-3-8	1290	1290	19	13
WP-5-8	1560	1560	24	24
WP-8-8	1780	1780	30	30



This chart provides the basic information of size of supporting material. The thicker the material, the bigger the plate that can be used. Please contact your nearest distributor for further information.

## General

To properly install and weld an Austlift Weld-on Hook and Lifting Point requires a competent person who has experience in the lifting or load restraint industry. It also requires a qualified, experienced welder to perform the welding job.

## Positioning

The following precaution should be observed when you are positioning the fitting.

1. This product shall be in the correct position to withstand all angles of the load strain
2. Positioned so that it cannot cause any damage to the product or other parts of the equipment to which it is welded.
3. The use of this product can not cause any injury to persons operating equipment.
4. Can not cause any unintentional unhooking when in use.
5. Placed in a position so that it can be easily hooked and unhooked safely.
6. The product does not hinder any operation eg: lifting or excavation
7. If this product is used for an excavator it should be welded in the middle upper part of the bucket
8. A qualified person shall certify that the product can be taken into service.

## Warning

**UNDER NO CIRCUMSTANCES SHOULD YOU EXCEED THE WORK LOAD LIMIT OF THIS PRODUCT**

1. Do not use these products in an acidic environment
2. Contact your supplier for advice if these products are used in a corrosive environment
3. Do not treat this product with electric or hot dip galvanizing at any time

## Lifting

1. When handling loads this must be done smoothly and free from jerking motions.
2. Never apply the load directly on the latch or on the tip of the hook.
3. Side loading is not permitted for weld on Hooks.
4. When lifting the load you should use the bottom part of the hook and the latch should be in closed position.



The components should be taken out of service immediately if any of the above faults are detected.

## Welding

### 1. Material:

Take note of the tensile strength of supporting material to weld to. The following is a guide to determine the correct minimum height, length and thickness to ensure the right strength of support material in mild steel

### 2. Electrodes:

Any welding of this product should be carried out by a qualified person. Electrodes or wire shall be for use with low alloy or non-alloy steel.

Electrodes must be free from any moisture and wire free from rust before any kind of welding is to be carried out.

Recommended Welding Electrode; AS/NZS 1553, ISO 2560, DIN EN 499 BS EN 499 or equivalent.

### 3. Welding:

- Make sure all areas to be welded are cleaned and free from rust, paint, dirt, etc...
- The surface to be welded should be preheated. Ensure correct welding procedures are adopted in this case.
- First position to hook or lifting point then tack weld all four corners
- Then continuously weld the bottom joint and fill weld all around. Make sure the lifting point is welded to the ends of the bow.
- To reach maximum penetration, ensure that the welding torch or electrode is held 45° degree angle.
- It is recommended that you weld the top joint of the hook with a larger electrode
- Ensure that there are no cracks or pores in the welds or welded area
- Allow the weld to cool at room temperature. Do not use water or a fan to cool the weld
- All bare and unwelded areas should be painted to avoid rust
- All moving parts should be well lubricated after welding
- MIG Welding has less penetration than others and it is not recommended for welding
- G80 components

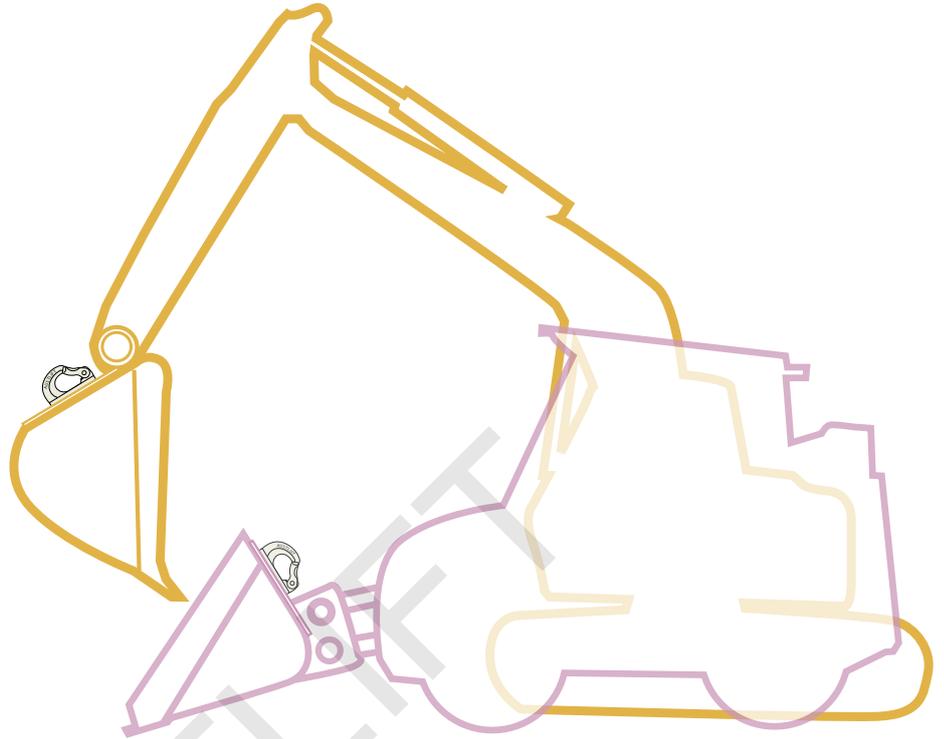
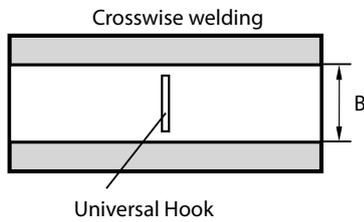
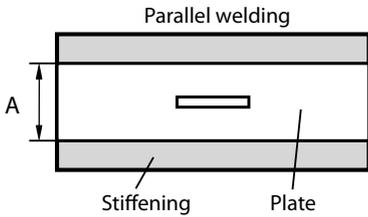
## Inspection

A qualified person should inspect components regularly to maintain safe operating procedures.

1. Check for bent, nicks, wear, stretch, and elongation of the components
2. Check for any signs of corrosion
3. Check for any scoring or cracks on all welds and components
4. Check the latch, rivet and spring. Latch shall be working properly

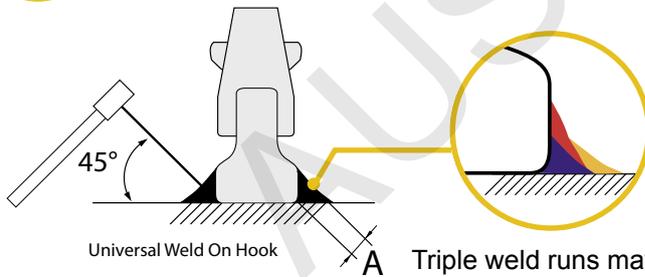
1

POSITION

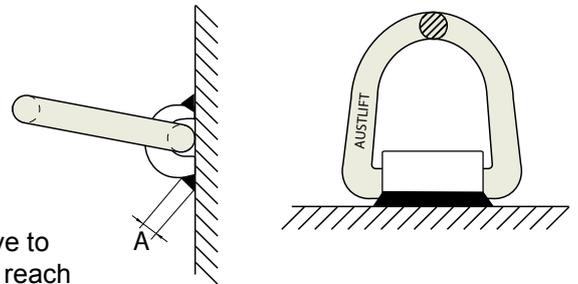


2

WELDING

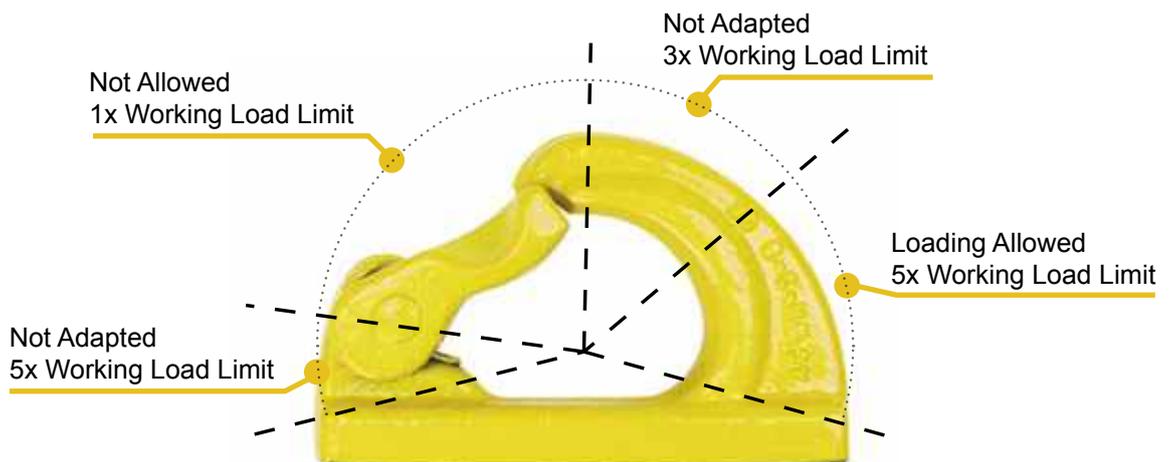


Triple weld runs may have to be conducted in order to reach minimum weld fillet area (A)



3

LOADING



**PANEL LIFTER INSTRUCTIONS**

**COUPLING**

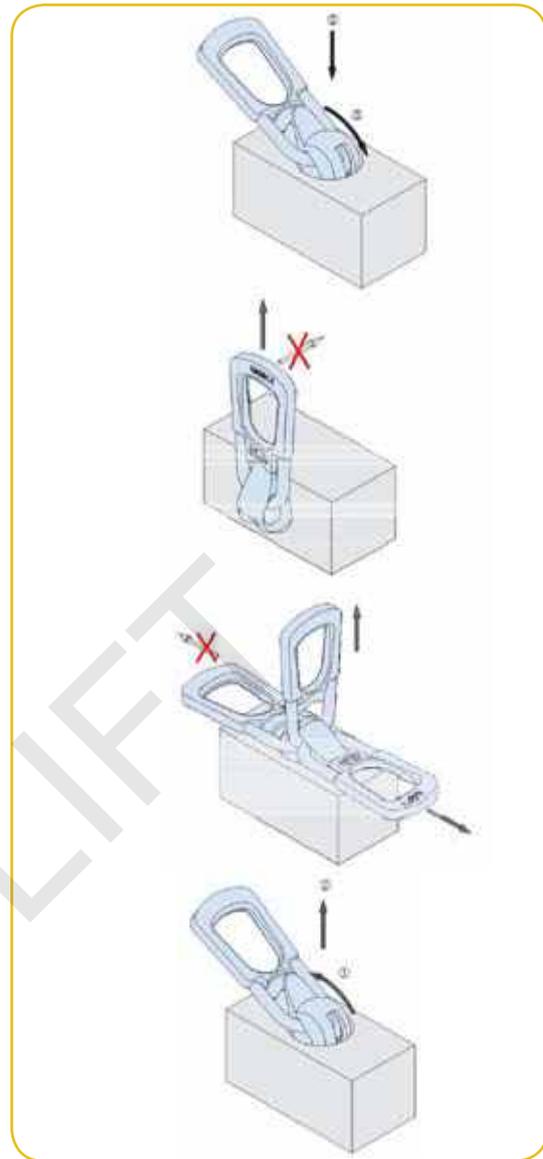
1. Check the load duty of the Anchor
2. To connect the Clutch to the Anchor, the sphere is pushed with its opening facing downwards over the Anchor.
3. The tongue of the sphere is then turned downwards to close around the Anchor.

**LIFTING**

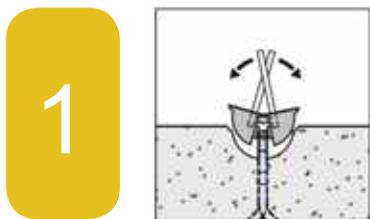
The Clutch is suitable for axial loads and pitching. The unit can also be swivelled on the Clutch when pitching the unit, the tongue must be in the closed position as shown. Due to the counterweight of the tongue the sphere is always kept in the correct position, even if the load is released. Turning the Clutch Head under load is limited by friction. Small quantities of grease are permitted if necessary.

**RELEASE**

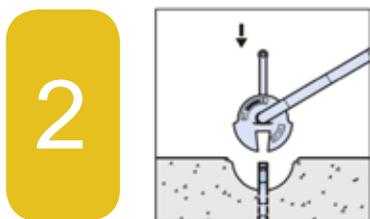
1. When the load is taken off, release the Clutch by turning the sphere with the tongue as shown.
2. Lift the Clutch away and do not let it dangle over the anchor.



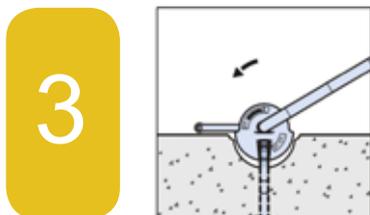
**SWIVEL PANEL LIFTER INSTRUCTIONS**



To demould the Recess Former, insert two rods into the holes and levered out by scissors action. This procedure can avoid damage the Recess Former. Attempting to remove the Recess Former using the tip of a carpenter's hammer will destroy it.

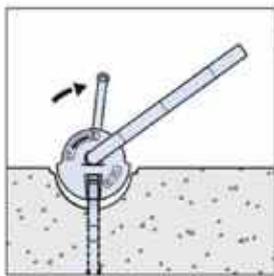
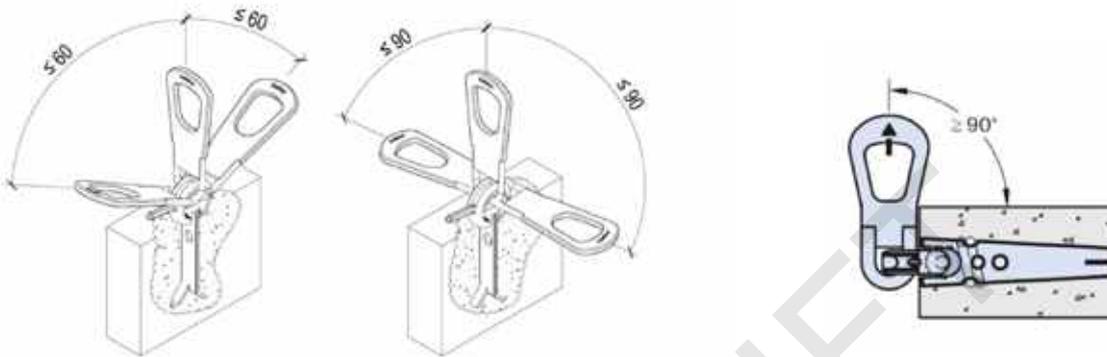


To transport the concrete panel, an appropriate Ring Clutch should be inserted over the Anchor Head which is in the concrete recess. The load ranges are designed to mismatch-proof.



The Ring Clutch is positively locked by a simple hand-operated movement of the locking bolt. In resulting, the connection is safe, and the Clutch is free to move in any direction. The precast panel can now be lifted out of the mould for transporting.

Before lifting the precast concrete unit, remove as many sections of the mould as possible to minimise adhesion to the mould. Inadequate demoulding is the most common cause of flaking of the precast concrete unit as the forces acting on the lift system may be several times the actual weight of the precast unit. The Ring Clutch is to use for all load directions. Maximum load of Anchor and Clutch must be considered. Angle pull caused by spreaded Chain suspension is limited by maximal 60°.



**Release the Clutch**  
The Ring Clutch can be released manually by pushing back the locking bolt once the device is off-load.

**RECESS FORMER INSTRUCTIONS**

