

Grade 80 EN818-2 Grade 100 ENORM100

ALLOY CHAIN & METAL COMPONENT



The Specialist of Lifting Products

SAFE USE

- Never load in excess of the rated capacity for the application.
- Keep a record of all sling in use.
- User should remove all twists from a chain leg before lifting and, should never knot a chain.
- Always use ASP shortening hook or clutch when chain slings should be shortened.
- Always inspect to insure that chain is free from damage or wear before use.
- Always inspect all sling components prior to each use.
- Ensure that chain is protected from any sharp corners on the load.
- Ensure that the master link articulates freely on the hook of the crane or other lifting appliance.
- Never tip load hooks. The load should always be supported 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.
- Personnel must keep all body parts from between the sling and the load, and from between the sling and the crane/hoist hook. Persons shall never ride the chain sling/rope sling or web sling or the load during lifting or while suspended. Persons must stand clear of all loads while lifting or while suspended. During lifting, with or without the load, personnel must be alert for possible sagging of the load or the chain sling.

MAINTENANCE

- A thorough examination should be carried out by a competent person at intervals at least every year or more frequently according to statutory regulations, type of use and past records.
- Chains with bent links or with cracks or gouges in the link should be replaced, as should deformed components such as bent master links, deformed hooks and any fittings showing signs of damage.
- Chain and components wear should never exceed 10% of the original dimensions.
- Once a chain sling has been overloaded it must be taken out of service.
- Store chain slings on a properly designed rack. They should not be left lying on the floor where they may suffer mechanical or corrosion damage or may be lost.

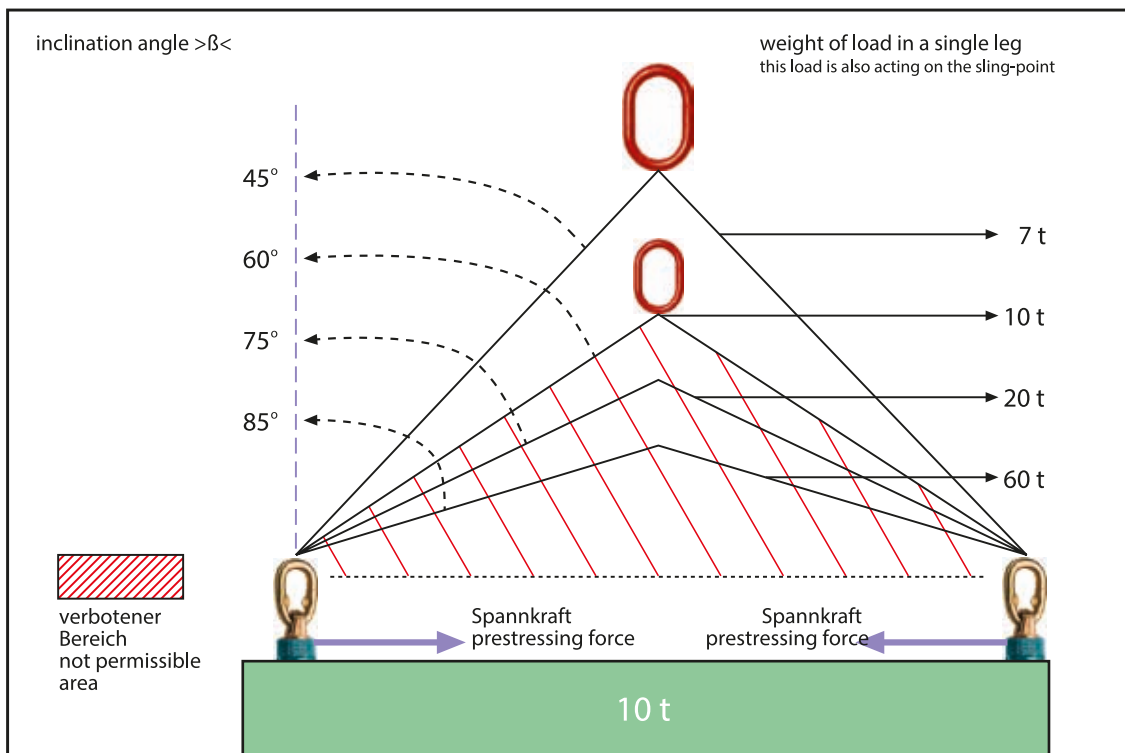
LIMITATION ON USE

- ASP alloy chain or chain slings should not be used in acid or caustic solutions nor in heavily acidic or caustic laden atmospheres. The high tensile strength of the heat treated alloy material in alloy steel chains and components is susceptible to hydrogen embrittlement when exposed to acids.
- ASP slings must not be heat-treated, galvanized, plated, coated or subject to any process involving heating or pickling. Each of these processes can have dangerous effects and will invalidate the manufacturer certificate.
- ASP sling may be used at temperatures between -40°C to 200°C with no reduction in the working load limit. The use of ASP chain sling within the permissible temperature range in the table below does not require any permanent reduction in working load limit when the chain sling is returned to normal temperatures. A sling accidentally exposed to temperatures in excess of the maximum permissible should be withdrawn from service immediately and returned to the distributor for thorough examination.
- When using ASP slings in exceptionally hazardous conditions, the degree of hazard should be assessed by a competent person and the Working Load Limit adjusted accordingly. Examples are lifting of potentially dangerous loads such as molten metals, corrosive materials or fissile material and including certain offshore activities.

Sling temperature	Reduction in working Load Limit
-40°C to 200°C	None
200°C to 300°C	10%
300°C to 400°C	25%
Above 400°C	Do not use.

Modification of stress in a chain length in dependence of the inclination angle

Example, the load for transportation has a weight of 10 t



Often standard lifting systems are not adequate to solve a particular lifting problem. In this case individual solutions can be offered which we can realize on-site or according to drawing. Our longstanding experience allows us to design and manufacture suitable lifting gear for every problem.

Medium tolerance chain for chain slings EN 818-2



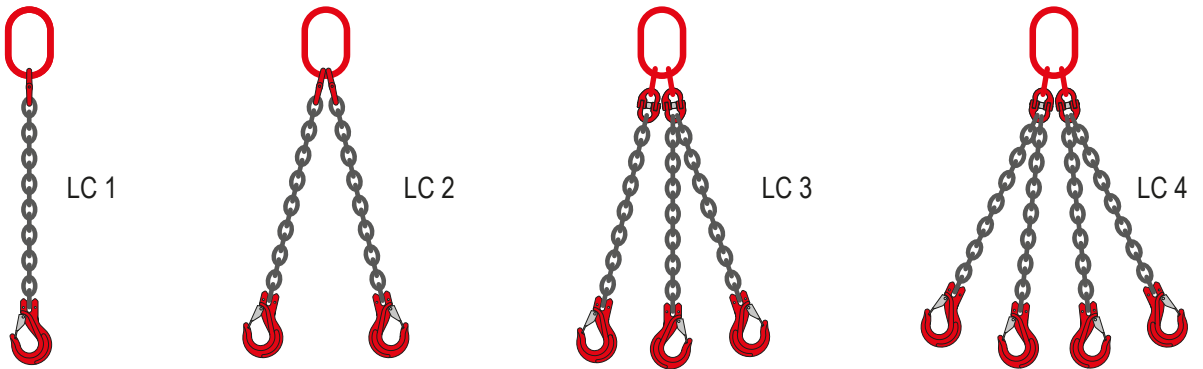
The following surface finishes are available on request:

1. **black coloured**
general organic coat of paint
2. **Telicoat**
organic coat of paint, silver grey.
Thermally applied light corrosion protection interspersed with zinc powder.
3. **Electro galvanised**
metallic coating (silver, blue, yellow, olive, black), medium corrosion protection in combination with cromating, influenced by the thickness of the layer.
4. **COR 92**
organic coating, silver grey.
Thermally applied high corrosion protection interspersed with zinc powder and with zinc phosphatising on the back material additionally two layers of resin.
5. **Hot-dip galvanising**
only for chains above diameter = 18 mm,
optimum corrosion protection.

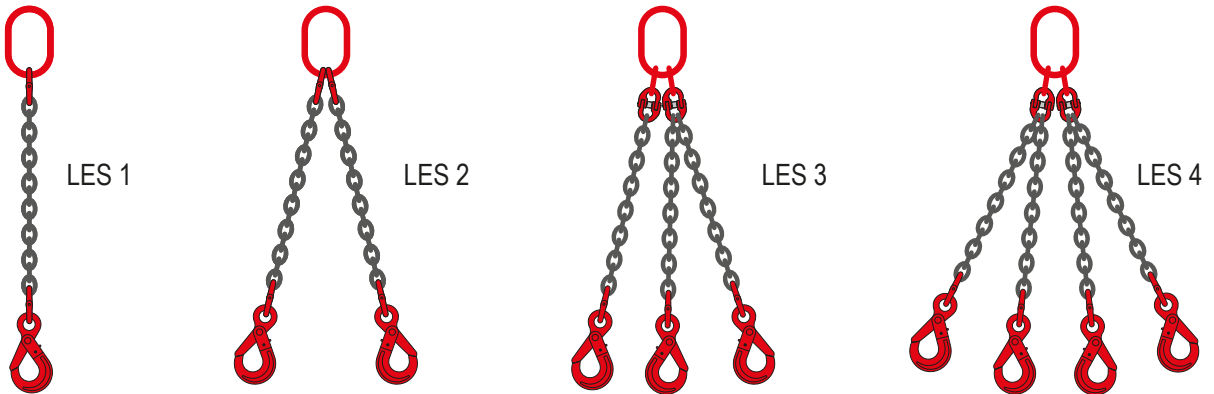
Chain sling 1, 2, 3, 4 legged with Eye sling hook



Chain sling 1, 2, 3, 4 legged with Clevis hook



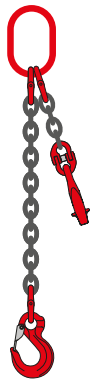
Chain sling 1, 2, 3, 4 legged with Eye self locking hook



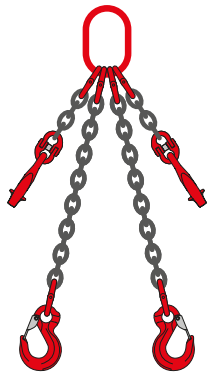
Chain sling 1, 2, 3, 4 legged with Clevis self locking hook



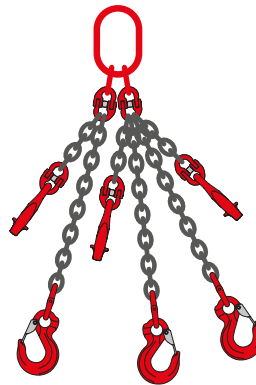
Chain sling 1, 2, 3, 4 legged with Eye sling hook & Eye shortening hook



LE 1S



LE 2S

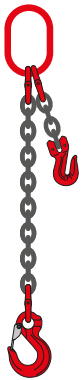


LE 3S

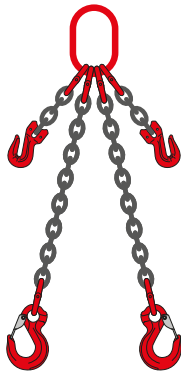


LE 4S

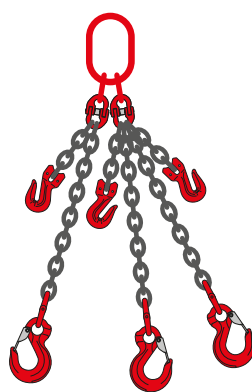
Chain sling 1, 2, 3, 4 legged with Eye sling hook & Clevis shortening hook



LE 1C



LE 2C



LE 3C



LE 4C

Endless sling



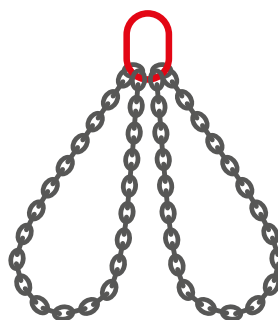
ES 1



ES 2



ESS 2

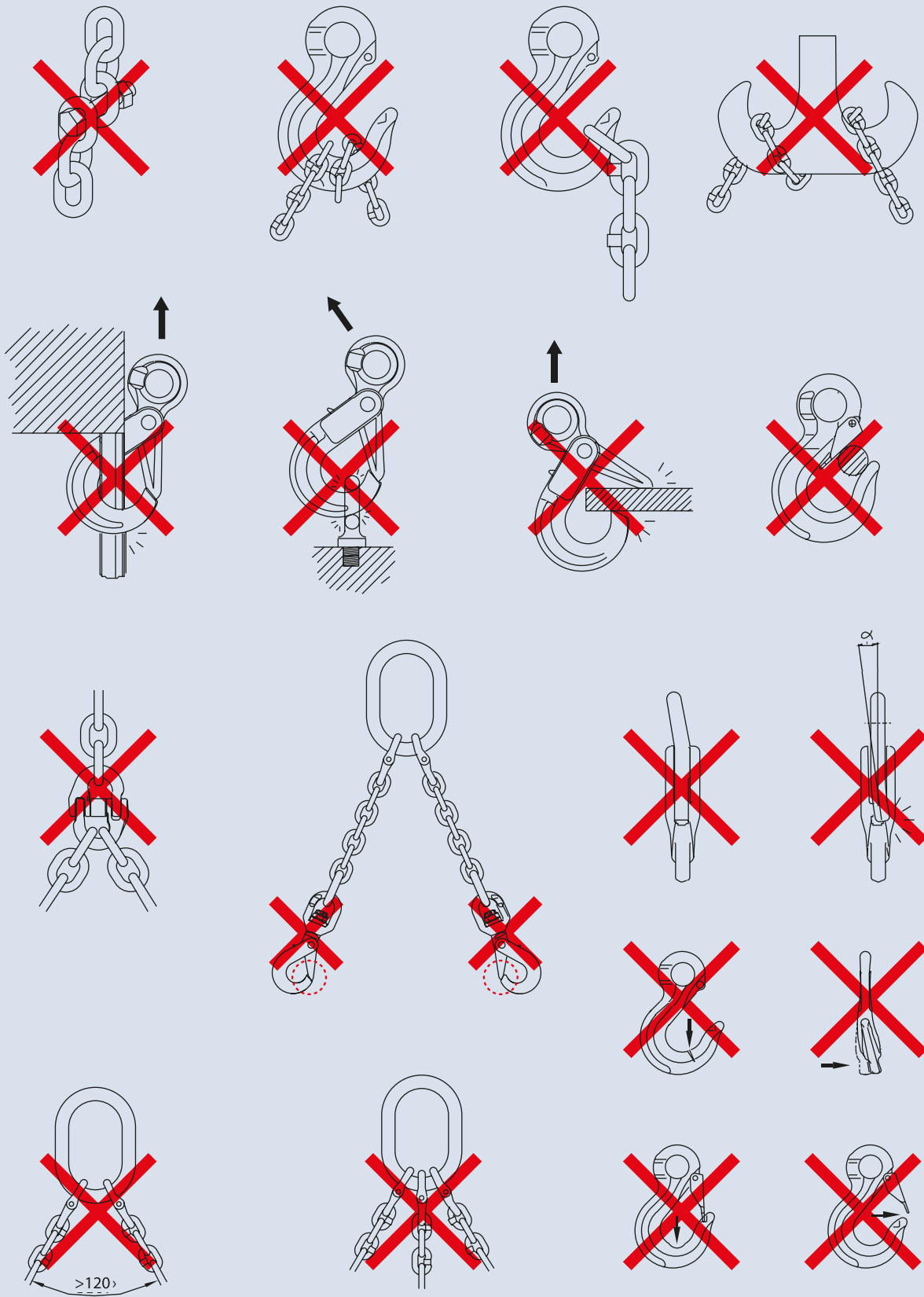


ES 4



ESS 4

INCORRECT USE





ASP The Specialist of High Tensile Grade 80,
Grade 100 Lifting Chain & Metal Component
in accordance with EN 818-2



DANGER : Overhead lifting presents a very real danger of severe injury or loss of Life if lifting equipment is not used properly. Please read and understand all of these Instructions prior to using any lifting sling or sling assembly. Sling should only be used By qualified persons who are responsible for the sling selection, inspection and use.



ASP
EN818-2

Grade 8 Working load limits / WLL in (t) acc. EN 818

Nominal size [mm]	1-leg		2-leg		3-/4-leg		Endless chain sling				
	Diagram	0°-45°	45°-60°	0°-45°	45°-60°	Diagram	Diagram	0°-45°	45°-60°	0°-45°	45°-60°
6		1,12	1,6	1,12	2,36	1,7	1,8	1,25	0,9	1,9	1,32
7		1,5	2,12	1,5	3,15	2,24	2,5	1,7	1,25	2,65	1,8
8		2	2,8	2	4,25	3	3,15	2,24	1,6	3,35	2,36
10		3,15	4,25	3,15	6,7	4,75	5	3,35	2,5	5,3	3,75
13		5,3	7,5	5,3	11,2	8	8,5	5,83	4,25	9	6,3
16		8	11,2	8	17	11,8	12,5	9	6,3	13,2	9,5
18		10	14	10	21,2	15	16	11,2	8	17	11,8
20		12,5	17	12,5	26,5	19	20	14	10	21,2	15
22		15	21,2	15	31,5	22,4	23,6	17	11,8	25	18
26		21,2	30	21,2	45	31,5	33,5	23,6	17	35,5	25
28		25	33,5	25	50	37,5	40	26,5	20	42,5	30
32		31,5	45	31,5	67	47,5	50	35,5	25	53	37,5
36		40	56	40	85	60	63	45	31,5	67	47,5
40		50	71	50	106	75	80	56	40	85	60
45		63	90	63	132	95	100	71	50	106	75

Factor	1-leg		2-leg		3-/4-leg		Endless chain sling				
symmetric	1	1,4	1	2,1	1,5	1,6	1,1 (1,4)*	0,8 (1)*	1,7 (2,1)*	1,2 (1,5)*	
unsymmetric	1	1	1	1,5	1	-	-	-	-	-	

* In the event of appropriate usage - not with choke hitch, the values of the corresponding chain of slings apply here.

The Entire Product range can be Found on The Internet www.asp-au.com



ASP
ENORM 100

ENORM Grade 10 Working load limits / WLL in (t) acc. EN 818 und PAS 1061

Nominal size [mm]	1-leg		2-leg		3-/4-leg		Endless chain sling				
	Diagram	0°-45°	45°-60°	0°-45°	45°-60°	Diagram	Diagram	0°-45°	45°-60°	0°-45°	45°-60°
6		1,4	2	1,4	3	2,12	2,24	1,6	1,12	2,3	1,7
8		2,5	3,55	2,5	5,3	3,75	4	2,8	2	4,2	3
10		4	5,6	4	8	6	6,3	4,25	3,2	6,7	4,75
13		6,7	9,5	6,7	14	10	10,6	7,5	5,3	11,2	8
16		10	14	10	21,2	15	16	11,2	8	17	11,8
20		16	22,4	16	33,6	24	25,6	17,6	12,8	27,2	19,2
22		19	26,5	19	40	28	30	21,2	15	31,5	22,4

Factor	1-leg		2-leg		3-/4-leg		Endless chain sling				
symmetric	1	1,4	1	2,1	1,5	1,6	1,1 (1,4)*	0,8 (1)*	1,7 (2,1)*	1,2 (1,5)*	
unsymmetric	1	1	1	1,5	1	-	-	-	-	-	

* In the event of appropriate usage - not with choke hitch, the values of the corresponding chain of slings apply here.

The Entire Product range can be Found on The Internet www.asp-au.com

The results are to be proud of

- Temperature use from -40°C to +400°C according to en 818
- Nominal voltage of 1000 N / mm corresponds to EN 818
- 25% consistently higher load capacity than good 8
- Compliance with all nominal quantities according to EN818

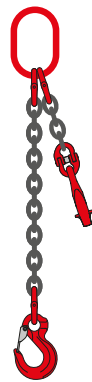
** Safety factory 4:1 Above limita are valid for standard use and equally loaded slings. Properly used and maintained your ASP chain slings will give long life and will enable you to carry out your lifting operations efficiently and safety.

Warning: Never exceed a sling angle of 30°

ASP-LE1 SINGLE LEG SLING



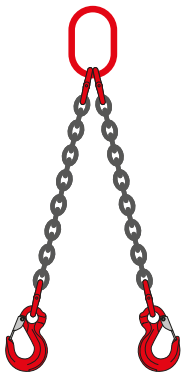
LE 1



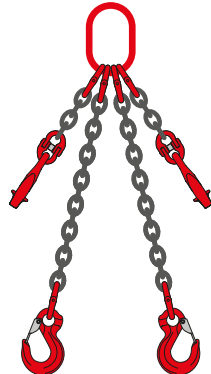
LE 1 S

Art No.	Chain Size mm	W.L.L. in tonne Straight 1	B.S. t
ASP-LE1-06	6	1.12	4.48
ASP-LE1-07	7	1.50	6.00
ASP-LE1-08	8	2.00	8.00
ASP-LE1-10	10	3.15	12.60
ASP-LE1-13	13	5.30	21.20
ASP-LE1-16	16	8.00	32.00
ASP-LE1-18	18	10.00	40.00
ASP-LE1-20	20	12.50	50.00
ASP-LE1-22	22	15.00	60.00
ASP-LE1-26	26	21.20	84.80
ASP-LE1-32	32	31.50	126.00

ASP-LE2 TWO LEG SLING



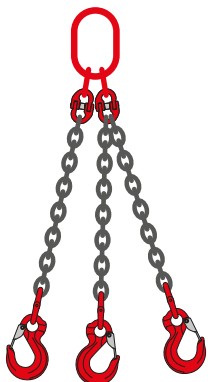
LE 2



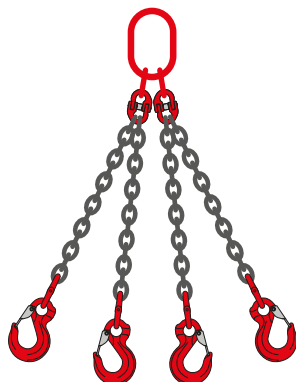
LE 2 S

Art No.	Chain Size mm	S.W.L. in tonne		B.S. / leg at straight t
		0 - 45° 1.4	45° - 60° 1	
ASP-LE2-06	6	1.56	1.12	4.48
ASP-LE2-07	7	2.10	1.50	6.00
ASP-LE2-08	8	2.80	2.00	8.00
ASP-LE2-10	10	4.41	3.15	12.60
ASP-LE2-13	13	7.42	5.30	21.20
ASP-LE2-16	16	11.20	8.00	32.00
ASP-LE2-18	18	14.00	10.00	40.00
ASP-LE2-20	20	17.50	12.50	50.00
ASP-LE2-22	22	21.00	15.00	60.00
ASP-LE2-26	26	29.68	21.20	84.80
ASP-LE2-32	32	44.10	31.50	126.00

ASP-LE4 FOUR LEG SLING, ASP-LE3 THREE LEG SLING



LE 3



LE 4

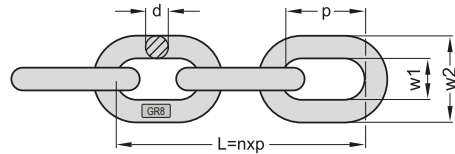
Art No.	Chain Size mm	S.W.L. in tonne		B.S. / leg at straight t
		0 - 45° 2.1	45° - 60° 1.5	
ASP-LE4-06	6	2.35	1.68	4.48
ASP-LE4-07	7	3.15	2.25	6.00
ASP-LE4-08	8	4.20	3.00	8.00
ASP-LE4-10	10	6.61	4.72	12.60
ASP-LE4-13	13	11.13	7.95	21.20
ASP-LE4-16	16	16.80	12.00	32.00
ASP-LE4-18	18	21.00	15.00	40.00
ASP-LE4-20	20	26.25	18.75	50.00
ASP-LE4-22	22	31.50	22.50	60.00
ASP-LE4-26	26	44.52	31.80	84.80
ASP-LE4-32	32	66.15	47.25	126.00

Lifting applications design for safety factor 4:1



ASP-G8 EN818-2 G80 ALLOY CHAIN

Application area : Lifting
 Material : High quality alloy steel
 Surface treatment : Self color, Polishing, Blackened, Painted, Plastic coating, Hot-dip galvanized, Electric galvanized, etc.
 Standard : EN818-2
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the working load limit

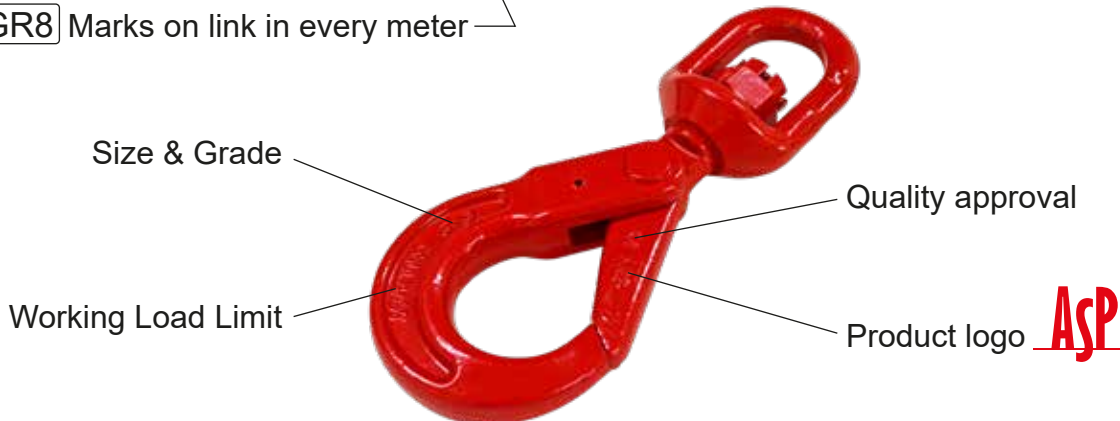


ASP-G80 EN818-2 ALLOY CHAIN

Art No.	Chain Size / mm. d x p	W.L.L. t	B.S. t	Dimension / mm		Weight kg
				w1	w2	
ASP-G8-06	6 x 18	1.10	4.40	7.80	22.20	0.80
ASP-G8-07	7 x 21	1.50	6.00	9.10	25.90	1.10
ASP-G8-08	8 x 24	2.00	8.00	10.40	29.60	1.39
ASP-G8-10	10 x 30	3.15	12.60	13.00	37.00	2.30
ASP-G8-13	13 x 39	5.30	21.20	16.90	48.10	3.90
ASP-G8-16	16 x 48	8.00	32.00	20.80	59.20	5.80
ASP-G8-18	18 x 54	10.00	40.00	23.40	66.60	7.00
ASP-G8-20	20 x 60	12.50	50.00	26.00	74.00	9.00
ASP-G8-22	22 x 66	15.00	60.00	28.60	81.40	10.70
ASP-G8-26	26 x 78	21.20	84.80	33.80	96.20	15.00
ASP-G8-28	28 x 84	25.00	100.00	36.40	104.00	18.00
ASP-G8-32	32 x 96	31.50	126.00	41.60	118.00	21.70
ASP-G8-36	36 x 108	40.00	160.00	46.80	133.00	27.90
ASP-G8-40	40 x 120	50.00	200.00	52.00	148.00	35.80
ASP-G8-45	45 x 135	63.00	252.00	58.50	167.00	45.20

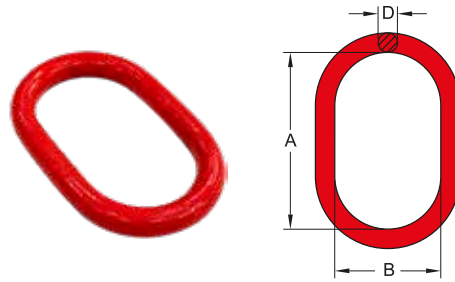


GR8 Marks on link in every meter



ASP-481 G80 MASTER LINK

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the link

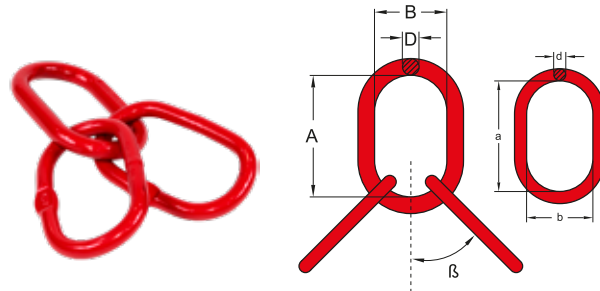


ASP-481 8004 MASTER LINK, for 1-2 legs
 ASP-482 8005 MASTER LINK WITH FLAT, for 1-2 legs

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm			Weight kg
				D	A	B	
ASP-481-0708	0708	3.20	12.80	14	120	70	0.44
ASP-481-1008	1008	4.00	16.00	17	140	80	0.76
ASP-481-0013	0013	6.30	25.20	19	150	90	1.03
ASP-481-1310	1310	8.00	32.00	22	160	95	1.50
ASP-481-0016	0016	11.50	46.00	25	180	110	2.17
ASP-481-1613	1613	15.00	60.00	28	190	105	2.84
ASP-481-0019	0019	17.00	68.00	30	200	120	3.50
ASP-481-2216	2216	20.00	80.00	34	240	140	5.32
ASP-481-0026	0026	25.00	100.00	38	250	150	7.04
ASP-481-2619	2619	30.00	120.00	40	250	150	7.86
ASP-481-3222	3222	37.00	148.00	45	300	180	11.82
ASP-481-3226	3226	43.00	172.00	50	300	200	15.20
ASP-481-3632	3632	56.00	224.00	55	350	200	20.54
ASP-481-4536	4536	70.00	280.00	60	375	210	26.15
ASP-481-90T	90T	90.00	360.00	70	450	250	42.45
ASP-481-100T	100T	100.00	400.00	80	450	260	57.14

ASP-484 G80 MASTER LINK ASSEMBLY

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the link

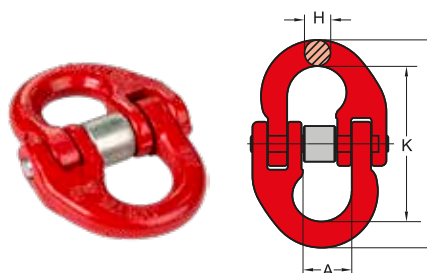


ASP-484 8007 MASTER LINK ASSEMBLY, for 3-4 legs

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm						Weight kg
				D	A	B	d	a	b	
ASP-484-0608	0608	4.25	17.00	20	160	88	14	100	60	1.90
ASP-484-0006	0006	4.60	18.40	16	120	61	14	120	60	1.43
ASP-484-0708	0708	8.60	34.40	22	162	90	20	140	70	3.65
ASP-484-0008	0008	11.25	45.00	28	270	140	22	160	90	6.70
ASP-484-0010	0010	14.50	58.00	28	200	110	22	140	70	5.53
ASP-484-1013	1013	17.00	68.00	32	270	140	25	180	100	9.20
ASP-484-0013	0013	23.10	92.40	36	270	140	28	185	90	11.92
ASP-484-0016	0016	29.00	116.00	40	280	155	32	200	110	16.42
ASP-484-1820	1820	36.50	146.00	45	320	175	36	225	125	23.50
ASP-484-0022	0022	45.20	180.80	50	350	195	40	260	130	32.30
ASP-484-0028	0028	59.90	239.60	58	410	220	50	350	195	59.30
ASP-484-0032	0032	84.70	338.80	70	490	265	58	410	220	97.40

ASP-074 G80 CONNECTING LINK

Material : High quality alloy steel and throughout swaged forging process
 Working load limit : 1.12 ton - 31.50 ton
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the link
 Used with chain, simply and firmly

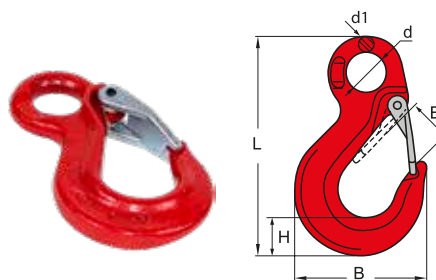


ASP-074 G80 EUROPEAN TYPE CONNECTING LINK

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm				Weight kg
				H	A	L	K	
ASP-074-06	6-8	1.12	4.48	7	15	58	42	0.08
ASP-074-07	7-8	1.50	6.00	8	19	72	55	0.14
ASP-074-0708	7/8-8	2.00	8.00	8	18	79	62	0.15
ASP-074-08	8-8	2.00	8.00	9	18	80	60	0.16
ASP-074-10	10-8	3.15	12.60	11	25	93	68	0.30
ASP-074-13	13-8	5.30	21.20	15	29	117	87	0.70
ASP-074-16	16-8	8.00	32.00	20	34	148	108	1.10
ASP-074-18	18-8	10.00	40.00	21	38	154	112	1.84
ASP-074-20	18/20-8	12.50	50.00	24	41	169	121	1.90
ASP-074-22	22-8	15.00	60.00	26	48	193	141	3.20
ASP-074-26	26-8	21.20	84.80	30	57	220	158	4.50
ASP-074-32	32-8	31.50	126.00	37	67	281	205	9.00

ASP-332 G80 EYE SLING HOOK WITH LATCH (protect latch)

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

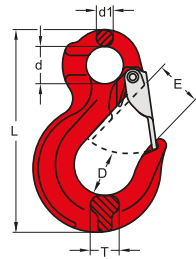


ASP-332 G80 EYE SLING HOOK WITH LATCH (protect latch)

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm					Weight kg
				d	d1	B	E	L	
ASP-332-0708	7/8-8	2.00	8.00	26	12	83	28	140	0.55
ASP-332-10	10-8	3.15	12.60	33	13	107	34	178	0.90
ASP-332-13	13-8	5.30	21.20	40	18	135	41	218	1.90
ASP-332-16	16-8	8.00	32.00	50	23	158	44	260	3.30
ASP-332-1820	18/20-8	12.50	50.00	60	27	190	52	310	5.50
ASP-332-22	22-8	15.00	60.00	68	31	240	60	375	9.20

ASP-013 G80 EYE SLING HOOK WITH CAST LATCH

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

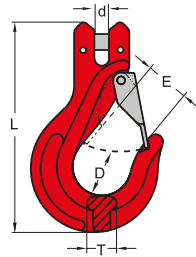


ASP-013 G80 EYE SLING HOOK WITH CAST LATCH

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm					Weight kg
				d	d1	D	E	L	
ASP-013-06	6-8	1.12	4.48	20	9	21	24	108	0.30
ASP-013-0708	7/8-8	2.00	8.00	25	11	26	30	133	0.40
ASP-013-10	10-8	3.15	12.60	38	15	39	34	167	0.90
ASP-013-13	13-8	5.30	21.20	43	19	54	39	213	1.70
ASP-013-16	16-8	8.00	32.00	50	23	64	46	255	3.20
ASP-013-20	20-8	12.50	50.00	62	24	80	40	305	5.80
ASP-013-22	22-8	15.00	60.00	62	32	80	71	348	8.50
ASP-013-26	26-8	21.20	84.80	64	35	82	81	394	13.00
ASP-013-32	32-8	31.50	126.00	88	37	112	102	480	17.00

ASP-329 G80 CLEVIS SLIP HOOK WITH CAST LATCH

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

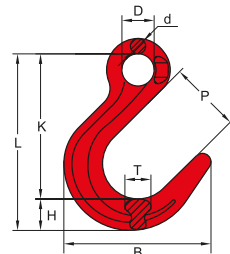


ASP-329 G80 CLEVIS SLIP HOOK

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm					Weight kg
				d	d1	D	E	L	
ASP-329-06	6-8	1.12	4.48	7	32	20	22	121	0.40
ASP-329-0708	7/8-8	2.00	8.00	9	36	24	25	137	0.52
ASP-329-10	10-8	3.15	12.60	12	46	35	34	175	0.95
ASP-329-13	13-8	5.30	21.20	15	59	50	41	210	1.97
ASP-329-16	16-8	8.00	32.00	17	70	60	46	248	3.45
ASP-329-1820	18/20-8	12.50	50.00	23	80	72	52	309	6.50
ASP-329-22	22-8	15.00	60.00	25	98	75	60	375	9.65

ASP-116 G80 Eye Foundry Hook. Code "YN"

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

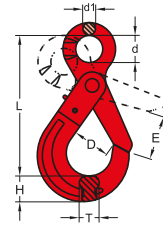


ASP-116 G80 Eye Foundry Hook. Code "YN"

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm							Weight kg
				D	B	K	P	d	T	H	
ASP-116-06	6-8	1.12	4.48	20	100	103	49	10	17	19	0.38
ASP-116-08	7/8-8	2.00	8.00	24	130	120	62	12	19	26	0.69
ASP-116-10	10-8	3.15	12.60	32	152	153	73	15	25	31	1.30
ASP-116-13	13-8	5.30	21.20	44	186	184	90	19	33	39	2.32
ASP-116-16	16-8	8.00	32.00	49	218	216	105	22	37	42	4.00
ASP-116-20	18-20	12.50	50.00	60	252	247	114	26	46	57	7.30

ASP-081 G80 EYE SELF LOCKING HOOK

Material : High quality alloy steel by forging process
 Strength grade : 8
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

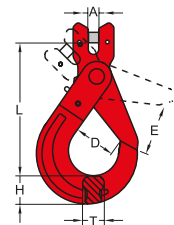


ASP-081 G80 EYE SELF LOCKING HOOK

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm						Weight kg
				d	d1	D	E	H	L	
ASP-081-06	6-8	1.12	4.48	22	10	34	28	19	110	0.50
ASP-081-0708	7/8-8	2.00	8.00	25	12	46	34	24	136	0.80
ASP-081-10	10-8	3.15	12.60	32	15	56	44	28	171	1.55
ASP-081-13	13-8	5.30	21.20	40	19	69	52	40	208	3.20
ASP-081-16	16-8	8.00	32.00	56	22	86	60	50	257	5.74
ASP-081-1820	18/20-8	12.50	50.00	64	27	100	81	55	275	8.50
ASP-081-22	22-8	15.00	60.00	70	30	98	82	67	320	13.00
ASP-081-26	26-8	21.20	84.80	80	34	110	110	75	363	18.00
ASP-081-32	32-8	31.50	126.00	105	45	166	168	97	472	44.50

ASP-082 G80 CLEVIS SELF LOCKING HOOK

Material : High quality alloy steel by forging process
 Strength grade : 8
 Safety factor : 4 times of the Working Load Limit
 Heat treatment

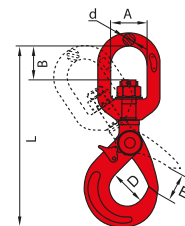


ASP-082 G80 CLEVIS SELF LOCKING HOOK

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm					Weight kg
				A	D	E	H	L	
ASP-082-06	6-8	1.12	4.48	8	34	29	19	95	0.50
ASP-082-0708	7/8-8	2.00	8.00	9	46	34	24	121	0.80
ASP-082-10	10-8	3.15	12.60	12	56	44	28	146	1.50
ASP-082-13	13-8	5.30	21.20	15	69	52	40	182	2.80
ASP-082-16	16-8	8.00	32.00	18	86	60	50	218	5.60
ASP-082-1820	18/20-8	12.50	50.00	25	100	83	55	240	7.50
ASP-082-22	22-8	15.00	60.00	25	98	88	67	276	11.50
ASP-082-26	26-8	21.20	84.80	30	110	95	75	310	18.50
ASP-082-32	32-8	31.50	126.00	36	166	160	97	411	49.10

ASP-083 G80 SWIVEL SELF LOCKING HOOK

Material : High quality alloy steel by forging process
 Strength grade : 8
 Safety factor : 4 times of the Working Load Limit
 Heat treatment

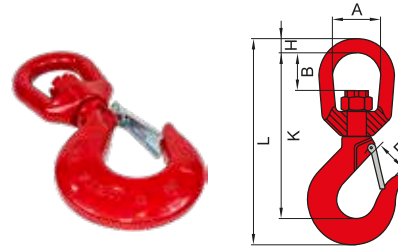


ASP-083 G80 SWIVEL SELF LOCKING HOOK

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm						Weight kg
				A	B	E	D	d	L	
ASP-083-06	6-8	1.12	4.48	33	22	29	34	11	170	0.71
ASP-083-0708	7/8-8	2.00	8.00	36	26	34	46	12	210	1.10
ASP-083-10	10-8	3.15	12.60	42	34	44	56	15	247	2.00
ASP-083-13	13-8	5.30	21.20	50	39	52	69	16	302	4.00
ASP-083-16	16-8	8.00	32.00	61	55	60	86	22	383	7.30
ASP-083-20	20-8	12.50	50.00	72	61	83	100	26	418	11.70
ASP-083-22	22-8	15.00	60.00	95	95	88	98	33	527	16.00
ASP-083-26	26-8	21.20	84.80	122	115	96	110	42	610	21.50
ASP-083-32	32-8	31.50	126.00	140	146	150	166	52	778	79.00

ASP-040 G80 SWIVEL HOOK

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

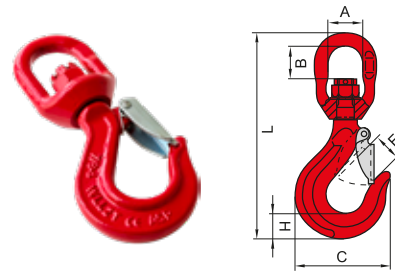


ASP-040 G80 SWIVEL HOOK

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm						Weight kg
				A	B	E	H	K	L	
ASP-040-06	6-8	1.12	4.48	32	23	22	9	112	140	0.34
ASP-040-08	8-8	2.00	8.00	44	35	26	16	150	190	1.02
ASP-040-10	10-8	3.15	12.60	44	35	28	16	162	206	1.24
ASP-040-13	13-8	5.30	21.20	50	39	35	18	190	242	2.25
ASP-040-16	16-8	8.00	32.00	64	53	43	25	246	316	4.66
ASP-040-20	20-8	12.50	50.00	70	52	55	28	282	369	7.40
ASP-040-22	22-8	15.00	60.00	79	58	61	32	332	430	10.60
ASP-040-26	26-8	21.20	84.80	105	100	80	40	430	547	21.40
ASP-040-32	32-8	31.50	126.00	105	90	82	40	472	602	32.00

ASP-268 G80 SWIVEL HOOK

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

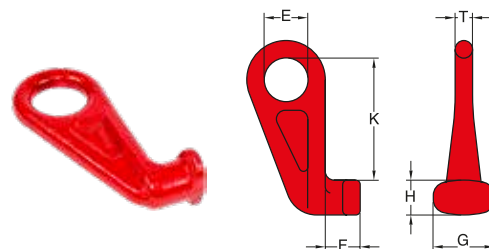


ASP-268 G80 SWIVEL HOOK

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm						Weight kg
				A	B	E	C	H	L	
ASP-268-0708	7/8-8	2.00	8.00	36	26	27	88	24	190	0.85
ASP-268-10	10-8	3.15	12.60	42	34	32	105	30	233	1.54
ASP-268-13	13-8	5.30	21.20	49	40	40	135	38	292	3.04
ASP-268-16	16-8	8.00	32.00	60	53	45	162	45	352	5.36

ASP-633 G80 Eye Container Hook

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

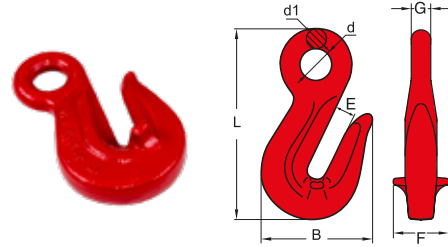


ASP-633 G80 Eye Container Hook

Art No.	Size	W.L.L. t	Dimension / mm						Weight kg
			E	F	G	H	K	T	
ASP-633-STR	Straight	12.50	70	45	75	48	192	25	3.90
ASP-633-45LT	Left 45°	12.50	70	45	75	48	192	25	3.90
ASP-633-45RH	Right 45°	12.50	70	45	75	48	192	25	3.90

ASP-331 G80 EYE SHORTENING HOOK

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

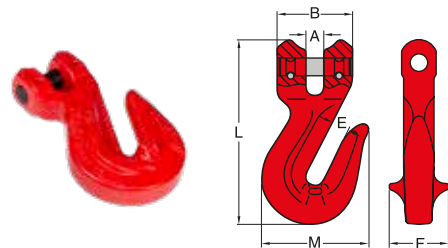


ASP-331 G80 EYE SHORTENING HOOK

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm					Weight kg
				d	d1	B	E	L	
ASP-331-06	6-8	1.12	4.48	13	8	45	8	77	0.25
ASP-331-0708	7/8-8	2.00	8.00	16	9	63	11	106	0.40
ASP-331-10	10-8	3.15	12.60	20	12	79	13	126	0.60
ASP-331-13	13-8	5.30	21.20	25	15	100	16	156	1.20
ASP-331-16	16-8	8.00	32.00	28	19	122	20	193	2.70
ASP-331-1820	18/20-8	12.50	50.00	36	20	150	25	226	4.30
ASP-331-22	22-8	15.00	60.00	42	27	170	26	270	6.40

ASP-338 G80 CLEVIS SHORTENING HOOK

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook

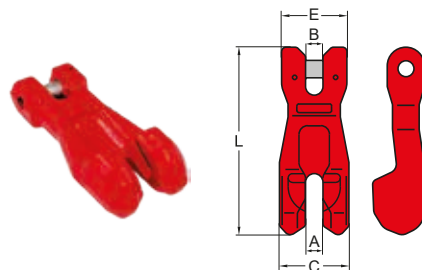


ASP-338 G80 CLEVIS SHORTENING HOOK

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm					Weight kg
				A	B	M	E	L	
ASP-338-06	6-8	1.12	4.48	7	32	45	8	78	0.28
ASP-338-0708	7/8-8	2.00	8.00	9	36	63	11	108	0.30
ASP-338-10	10-8	3.15	12.60	12	46	79	13	127	0.95
ASP-338-13	13-8	5.30	21.20	15	59	100	16	163	1.97
ASP-338-16	16-8	8.00	32.00	17	70	122	20	204	3.45
ASP-338-1820	18/20-8	12.50	50.00	23	80	150	23	243	5.30
ASP-338-22	22-8	15.00	60.00	25	98	170	26	280	7.80

ASP-073 G80 CLEVIS SHORTENING CLUTCH

Material : High quality alloy steel by forging process
 Strength grade : 8
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Heat treatment
 There are signs such as Working Load Limit mark on the hook



ASP-073 G80 CLEVIS SHORTENING CLUTCH

Art No.	Size	W.L.L. t	Dimension / mm					Weight kg
			A	B	C	E	L	
ASP-073-06	6	1.12	7.7	7.7	33.5	31.0	72.5	0.17
ASP-073-0708	7/8	2.00	9.5	9.5	45.0	36.0	100.5	0.40
ASP-073-10	10	3.15	13.0	13.0	55.0	48.0	137.0	0.97
ASP-073-13	13	5.30	16.0	16.0	75.0	59.0	177.0	1.85
ASP-073-16	16	8.00	21.0	21.0	91.0	73.0	218.0	3.68
ASP-073-20	20	12.50	23.0	23.0	100.0	80.0	235.0	4.43
ASP-073-22	22	15.00	25.5	25.5	118.0	98.0	294.0	8.50

NACM96 TRANSPORT CHAIN



NACM96 TRANSPORT CHAIN

ASP
NACM96



with LEVER LOAD BINDER



with RATCHET LOAD BINDER

ASP-G70 TRANSPORT CHAIN NACM96 (70)

Application area : Transport
 Material : High quality alloy steel
 Surface treatment : Self color, Blackened, Yellow Zincked, Polishing, Electric galvanized, etc.
 Standard : NACM96
 Strength grade : 7
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the working load limit

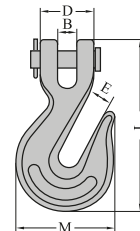


ASP-G70 NACM96 TRANSPORT CHAIN

Art No.	Normal Size (d)		W.L.L. t	B.S. t	Dimension / mm		Working Length
	mm.	inch			w	p	
ASP-G7-07	7.0	1/4"	1.45	5.80	9.8	31.8	6M, 8M, 10M
ASP-G7-08	8.7	5/16"	2.15	8.60	11.2	32.8	6M, 8M, 10M
ASP-G7-10	10.0	3/8"	3.00	12.00	14.0	35.0	6M, 8M, 10M
ASP-G7-13	13.0	1/2"	5.20	20.80	20.0	58.0	6M, 8M, 10M

ASP-123 ALLOY STEEL CLEVIS GRAB HOOK

Material : High quality alloy steel
 Safety factor : 4 times of the working load limit



ASP-G123 ALLOY STEEL CLEVIS GRAB HOOK

Art No.	W.L.L. t	B.S. t	B	D	E	L	Working kg.
ASP-G123-08	2.00	8.00	8.5	25	9.2	78	0.20
ASP-G123-10	3.15	12.60	13.0	35	12.7	114	0.50
ASP-G123-13	5.30	21.20	19.0	47	17.0	144	1.00

ASP-LL LEVER LOAD BINDER

Application area : Transport
 Material : Forged Steel - Quenched and Tempered
 Bender toggles away from the load
 Safety Factor : 3.5 times of the Working Load Limit



ASP-LL LEVER LOAD BINDER WITH HOOK

Art No.	Min-Max Chain Size		W.L.L. t	B.S. t	Dimension / mm		Weight kg
	mm.	inch			closed	open	
ASP-LL-0810	8-10	5/16"-3/8"	2.50	8.75	450	560	3.00
ASP-LL-1013	10-13	3/8"-1/2"	4.00	14.00	540	654	5.20
ASP-LL-1316	13-16	1/2"-5/8"	6.00	21.00	635	755	8.50

ASP-RL RATCHET LOAD BINDER

Application area : Transport
 Continuous take-up feature, infinite adjustment, get the last half of chain.
 One piece assembly, no bolts or nuts to loosen.
 Ratchet spring rust proofed.
 All load bearing or holding parts forged.
 Easy operating positive ratchet.
 Safety Factor : 3.5 times of the Working Load Limit

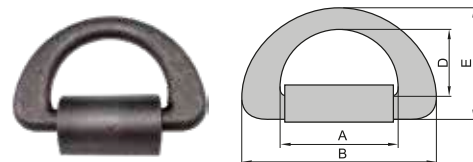


ASP-RL RATCHET LOAD BINDER WITH HOOK

Art No.	Min-Max Chain Size		W.L.L. t	B.S. t	Dimension / mm		Weight kg
	mm.	inch			closed	open	
ASP-RL-0810	8-10	5/16"-3/8"	2.50	8.75	580	785	4.75
ASP-RL-1013	10-13	3/8"-1/2"	4.00	14.00	640	845	5.80
ASP-RL-1316	13-16	1/2"-5/8"	6.00	21.00	670	870	6.50

ASP-310 "D" RING

Application area : Transport
 Material : Forged Steel - Quenched and Tempered
 Bender toggles away from the load
 Safety Factor : 5 times of the Working Load Limit



ASP-310 "D" RING

Art No.	W.L.L. t	B.S. t	A	B	D	E	Weight kg
ASP-310-02	2	10	90	137	50	87	1.00
ASP-310-05	5	25	118	165	70	100	1.70
ASP-310-07	7	36	105	165	70	110	2.30
ASP-310-10	10	50	154	242	90	142	4.48

ASP-L8 LASHING CHAIN

Application area : Lashing
 Material : High quality alloy steel
 Hook : Alloy, Forged
 Surface treatment : Painted
 Strength grade : 8
 Safety factor : 4 times of the working load limit



ASP-L8 LASHING CHAIN WITH CLEVIS HOOK

Art No.	Nominal Size (d)		W.L.L. t	B.S. t	Working Length
	mm.	inch			
ASP-L8-09	9	3/8"	2.50	10.00	3M, 5M, 6M
ASP-L8-11	11	7/16"	3.75	15.00	3M, 5M, 6M
ASP-L8-13	13	1/2"	5.00	20.00	3M, 5M, 6M

ASP-TL TENSION LEVER

Application area : Lashing
 Material : Forged Steel
 Lashing lever, Lashing chain and Clevis hook and S-hook
 Safety factor : 4 times of the working load limit

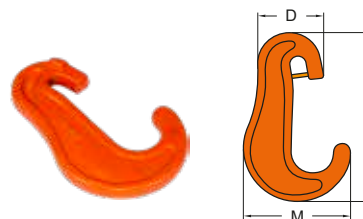


ASP-TL TENSION LEVER WITH HOOK

Art No.	Nominal Size (d)		W.L.L. t	B.S. t
	mm.	inch		
ASP-TL-09	9	3/8"	2.50	10.00
ASP-TL-11	11	7/16"	3.75	15.00
ASP-TL-13	13	1/2"	5.00	20.00

ASP-071 CLEVIS HOOK

Material : Forged Steel
 Strength grade : 8
 Safety factor : 4 times of the working load limit



ASP-071 CLEVIS HOOK

Art No.	W.L.L. t	B.S. t	Nominal Size (d)		Weight kg
			mm.	inch	
ASP-071-09	2.50	10.00	90.00	143.00	0.50
ASP-071-11	3.75	15.00	109.00	177.00	0.85
ASP-071-13	5.40	21.60	129.00	205.00	1.38

ENORM 100





DANGER : Overhead lifting presents a very real danger of severe injury or loss of Life if lifting equipment is not used properly. Please read and understand all of these Instructions prior to using any lifting sling or sling assembly. Sling should only be used By qualified persons who are responsible for the sling selection, inspection and use.



ASP
EN818-2

Grade 8 Working load limits / WLL in (t) acc. EN 818

Nominal size [mm]	1-leg		2-leg		3-/4-leg		Endless chain sling			
	90°	0°-45°	45°-60°	0°-45°	45°-60°	0°-45°	45°-60°	0°-45°	45°-60°	
6	1,12	1,6	1,12	2,36	1,7	1,8	1,25	0,9	1,9	1,32
7	1,5	2,12	1,5	3,15	2,24	2,5	1,7	1,25	2,65	1,8
8	2	2,8	2	4,25	3	3,15	2,24	1,6	3,35	2,36
10	3,15	4,25	3,15	6,7	4,75	5	3,35	2,5	5,3	3,75
13	5,3	7,5	5,3	11,2	8	8,5	5,83	4,25	9	6,3
16	8	11,2	8	17	11,8	12,5	9	6,3	13,2	9,5
18	10	14	10	21,2	15	16	11,2	8	17	11,8
20	12,5	17	12,5	26,5	19	20	14	10	21,2	15
22	15	21,2	15	31,5	22,4	23,6	17	11,8	25	18
26	21,2	30	21,2	45	31,5	33,5	23,6	17	35,5	25
28	25	33,5	25	50	37,5	40	26,5	20	42,5	30
32	31,5	45	31,5	67	47,5	50	35,5	25	53	37,5
36	40	56	40	85	60	63	45	31,5	67	47,5
40	50	71	50	106	75	80	56	40	85	60
45	63	90	63	132	95	100	71	50	106	75

Factor	1-leg		2-leg		3-/4-leg		Endless chain sling			
symmetric	1	1,4	1	2,1	1,5	1,6	1,1 (1,4)*	0,8 (1)*	1,7 (2,1)*	1,2 (1,5)*
unsymmetric	1	1	1	1,5	1	-	-	-	-	-

* In the event of appropriate usage - not with choke hitch, the values of the corresponding chain of slings apply here.

The Entire Product range can be Found on The Internet www.asp-au.com



ASP
ENORM 100

ENORM Grade 10 Working load limits / WLL in (t) acc. EN 818 und PAS 1061

Nominal size [mm]	1-leg		2-leg		3-/4-leg		Endless chain sling			
	90°	0°-45°	45°-60°	0°-45°	45°-60°	0°-45°	45°-60°	0°-45°	45°-60°	
6	1,4	2	1,4	3	2,12	2,24	1,6	1,12	2,3	1,7
8	2,5	3,55	2,5	5,3	3,75	4	2,8	2	4,2	3
10	4	5,6	4	8	6	6,3	4,25	3,2	6,7	4,75
13	6,7	9,5	6,7	14	10	10,6	7,5	5,3	11,2	8
16	10	14	10	21,2	15	16	11,2	8	17	11,8
20	12,5	18	12,5	26,5	19	20	14	10	21,2	15
22	19	26,5	19	40	28	30	21,2	15	31,5	22,4

Factor	1-leg		2-leg		3-/4-leg		Endless chain sling			
symmetric	1	1,4	1	2,1	1,5	1,6	1,1 (1,4)*	0,8 (1)*	1,7 (2,1)*	1,2 (1,5)*
unsymmetric	1	1	1	1,5	1	-	-	-	-	-

* In the event of appropriate usage - not with choke hitch, the values of the corresponding chain of slings apply here.

The Entire Product range can be Found on The Internet www.asp-au.com

The results are to be proud of

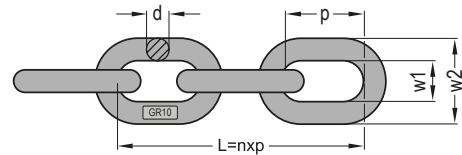
- Temperature use from -40°C to +400°C according to en 818
- Nominal voltage of 1000 N / mm corresponds to EN 818
- 25% consistently higher load capacity than good 8
- Compliance with all nominal quantities according to EN818

** Safety factory 4:1 Above limita are valid for standard use and equally loaded slings. Properly used and maintained your ASP chain slings will give long life and will enable you to carry out your lifting operations efficiently and safety.

Warning: Never exceed a sling angle of 30°

ASP-G10 ENORM100, G100 ALLOY CHAIN

- Application area : Lifting
- Material : High quality alloy steel
- Surface treatment : Self color, Black Electrophoresis, Painted, Plastic coating, Hot-dip galvanized, Electric galvanized, etc.
- Standard : ENORM 100
- Strength grade : 10
- Proof loaded : 2 times of the Working Load Limit
- Safety factor : 4 times of the working load limit



ASP-G100 ALLOY CHAIN

Art No.	Chain Size / mm. d x p	W.L.L. t	B.S. t	Dimension / mm		Weight kg
				w1	w2	
ASP-G10-06	6 x 18	1.40	5.60	7.8	22.2	0.8
ASP-G10-08	8 x 24	2.50	10.00	10.40	29.60	1.40
ASP-G10-10	10 x 30	4.00	16.00	13.00	37.00	2.20
ASP-G10-13	13 x 39	6.70	26.80	16.90	48.10	3.80
ASP-G10-16	16 x 48	10.00	40.00	20.80	59.20	5.70
ASP-G10-20	20 x 60	16.00	64.00	26.00	74.00	9.00
ASP-G10-22	22 x 66	19.00	76.00	28.60	81.40	10.90

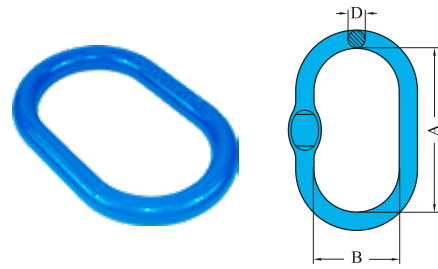


GR10 Marks on link in every meter



ASP-1013 G100 Forged Master Link

- Super alloy steel-Quenched and Tempered.
- Suitable for G100 chain.
- 25% stronger than G80.
- Individually proof test at 2 times Working Load Limit.
- Fatigue tested at 1.5 times Working Load Limit for 20000 cycles
- 100% magnaflux crack detection.

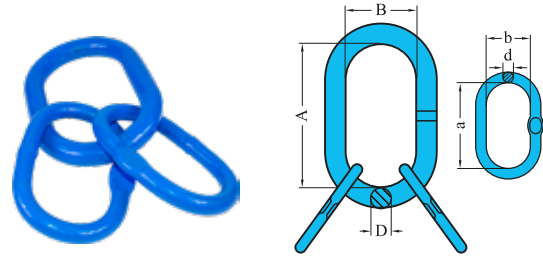


ASP-1013 G100 Forged Master Link

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm			Weight kg
				A	B	D	
ASP-1013-86	0608	2.50	10.00	120.00	70.00	14.00	0.40
ASP-1013-108	1008	4.00	16.00	140.00	80.00	17.00	0.80
ASP-1013-1310	0013	7.50	30.00	160.00	95.00	22.00	1.50
ASP-1013-1613	1310	10.00	40.00	190.00	110.00	28.00	2.50
ASP-1013-2016	19/20	17.00	68.00	240.00	140.00	34.00	5.20
ASP-1013-2220	22/26	28.00	100.00	250.00	150.00	42.00	7.70

ASP-1015 G100 Master Link Assembly

- Super alloy steel-Quenched and Tempered.
- Suitable for G100 chain.
- 25% stronger than G80
- Safety factor : 4 times of the working load limit

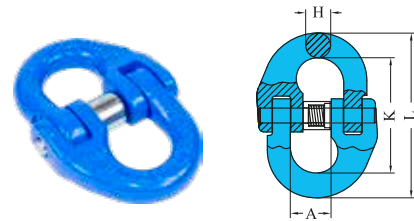


ASP-1015 G100 Master Link Assembly

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm						Weight kg
				A	B	D	a	b	d	
ASP-1015-06	0006	3.50	14.00	150.00	90.00	19.00	120.00	70.00	14.00	1.80
ASP-1015-08	0708	5.00	20.00	160.00	95.00	22.00	140.00	80.00	17.00	3.00
ASP-1015-10	0010	11.50	46.00	200.00	120.00	30.00	160.00	95.00	22.00	6.50
ASP-1015-13	0013	17.00	68.00	250.00	150.00	40.00	200.00	120.00	30.00	15.00
ASP-1015-16	0016	28.00	112.00	300.00	200.00	50.00	200.00	120.00	32.00	23.00

ASP-1001 G100 Connecting Link

- Forged super alloy steel-Quenched and Tempered.
- Suitable for G100 chain.
- 25% stronger than G80.
- Fatigue tested at 1.5 times Working Load Limit for 20000 cycles
- 100% magnaflux crack detection.
- Surface finish : Powder plastified



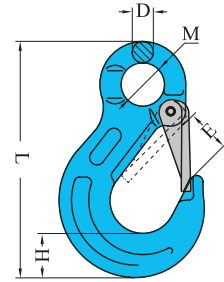
ASP-1001 G100 Connecting Link

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm				Weight kg
				H	A	K	L	
ASP-1001-06	6-10	1.40	5.60	7.60	14.00	44.50	60.00	0.08
ASP-1001-08	8-10	2.50	10.00	10.00	18.50	61.50	84.50	0.18
ASP-1001-10	10-10	4.00	16.00	12.60	23.00	72.00	97.20	0.34
ASP-1001-13	13-10	6.70	26.80	16.80	27.50	89.00	127.00	0.68
ASP-1001-16	16-10	10.00	40.00	21.00	33.50	103.00	145.00	1.22
ASP-1001-20	20-10	16.00	64.00	24.50	42.00	116.00	175.00	2.13
ASP-1001-22	22-10	19.00	76.00	27.00	48.00	135.00	193.00	3.00
ASP-1001-26	26-10	26.50	106.00	32.00	61.00	164.00	228.00	5.15
ASP-1001-32	32-10	39.30	157.20	40.00	80.00	194.00	274.00	9.50

Ultimate load is 4 times the Working Load Limit

ASP-1003 G100 Eye Sling Hook with Cast Latch

- Forged super alloy steel-Quenched and Tempered.
- Suitable for G100 chain.
- 25% stronger than G80.
- Individually proof test at 2.5 times Working Load Limit.
- Fatigue tested at 1.5 times Working Load Limit for 20000 cycles
- Breakage test
- 100% magnaflux crack detection.
- Surface finish : Powder plastified
- Colour code : Blue RAL5015
- With cast latch.
- With pressed flat suitable for SLR1027-G100 Omega link.

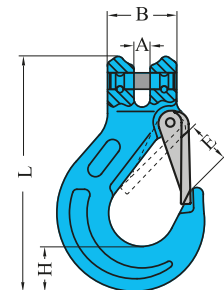


ASP-1003 G100 Eye Sling Hook with Cast Latch

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm					Weight kg
				D	E	H	M	L	
ASP-1003-06	6-10	1.40	5.60	10.00	18.50	21.00	20.50	111.00	0.32
ASP-1003-08	8-10	2.50	10.00	11.00	25.00	27.50	25.00	137.50	0.60
ASP-1003-10	10-10	4.00	16.00	16.00	28.00	33.50	34.00	171.50	1.20
ASP-1003-13	13-10	6.70	26.80	19.00	38.00	43.50	43.00	219.00	2.20
ASP-1003-16	16-10	10.00	40.00	24.50	44.00	50.00	50.00	260.00	3.50
ASP-1003-20	20-10	16.00	64.00	27.00	52.00	56.00	55.00	298.00	7.15
ASP-1003-22	22-10	19.00	76.00	29.00	66.00	62.00	60.00	330.00	11.50
ASP-1003-26	26-10	26.50	106.00	35.00	73.00	75.00	70.00	376.00	12.20
ASP-1003-32	32-10	39.30	157.20	39.00	87.00	89.00	81.50	458.00	17.50

ASP-1004 G100 Clevis Sling Hook with Cast Latch

- Forged super alloy steel-Quenched and Tempered.
- Suitable for G100 chain.
- 25% stronger than G80.
- Individually proof test at 2.5 times Working Load Limit.
- Fatigue tested at 1.5 times Working Load Limit for 20000 cycles
- Breakage test
- 100% magnaflux crack detection.
- All load pins are 100% individually inspected and tested
- Surface finish : Powder plastified
- Colour code : Blue RAL5015
- With cast latch.

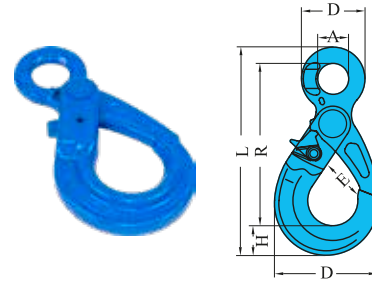


ASP-1004 G100 Clevis Sling Hook with Cast Latch

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm						Weight kg
				A	B	E	H	M	L	
ASP-1004-06	6-10	1.40	5.60	7.50	32.00	18.50	21.00	68.50	109.00	0.30
ASP-1004-08	8-10	2.50	10.00	9.50	37.00	25.00	27.50	88.00	134.00	0.70
ASP-1004-10	10-10	4.00	16.00	12.00	48.00	28.00	33.50	105.50	161.50	1.30
ASP-1004-13	13-10	6.70	26.80	15.00	59.00	38.00	42.00	134.00	203.00	2.30
ASP-1004-16	16-10	10.00	40.00	17.50	70.00	44.00	50.00	160.50	248.00	3.60
ASP-1004-20	20-10	16.00	64.00	25.00	85.00	52.00	56.00	190.50	297.00	7.30
ASP-1004-22	22-10	19.00	76.00	27.00	100.00	66.00	62.00	214.50	326.00	12.10

ASP-1005 G100 Eye Self lock Hook

- Forged super alloy steel-Quenched and Tempered.
- Suitable for G100 chain.
- 100% magnaflux crack detection.
- Surface finish : Powder plastified
- Safety factor : 4 Times

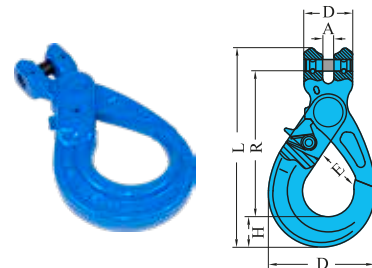


ASP-1005 G100 Eye Selflock Hook

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm							Weight kg
				A	D	E	H	R	M	L	
ASP-1005-06	6-10	1.40	5.60	21.00	43.00	28.00	20.00	110.00	70.00	141.00	0.50
ASP-1005-08	8-10	2.50	10.00	27.00	51.00	35.50	26.00	137.00	90.00	175.00	0.90
ASP-1005-10	10-10	4.00	16.00	34.50	64.30	45.00	30.00	169.00	108.00	212.50	1.50
ASP-1005-13	13-10	6.70	26.80	40.00	80.00	53.50	40.50	209.00	138.50	270.00	2.70
ASP-1005-16	16-10	10.00	40.00	50.00	104.00	62.00	50.50	254.00	170.50	331.00	5.70
ASP-1005-20	20-10	16.00	64.00	60.00	120.00	76.50	62.00	277.00	192.50	369.00	7.90
ASP-1005-22	22-10	19.00	76.00	70.00	134.00	80.00	66.00	319.50	205.00	417.00	11.20

ASP-1006 G100 Clevis Self lock Hook

- Forged super alloy steel-Quenched and Tempered.
- Suitable for G100 chain.
- 100% magnaflux crack detection.
- Surface finish : Powder plastified
- Safety factor : 4 Times

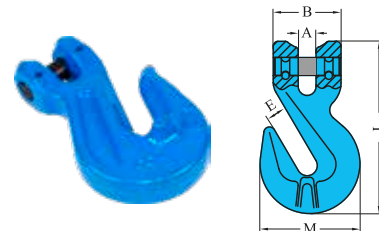


ASP-1006 G100 Clevis Selflock Hook

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm							Weight kg
				A	B	E	H	R	M	L	
ASP-1006-06	6-10	1.40	5.60	7.50	32.00	28.00	20.00	96.00	70.00	131.00	0.50
ASP-1006-08	8-10	2.50	10.00	9.50	36.00	35.50	26.00	123.00	90.00	166.00	0.90
ASP-1006-10	10-10	4.00	16.00	12.00	46.00	45.00	30.00	144.00	109.00	196.50	1.60
ASP-1006-13	13-10	6.70	26.80	15.00	59.00	53.50	40.50	182.00	138.50	251.00	2.90
ASP-1006-16	16-10	10.00	40.00	17.50	70.00	62.00	50.50	217.00	170.50	303.00	5.80
ASP-1006-20	20-10	16.00	64.00	25.00	85.00	76.50	62.00	235.00	192.50	337.50	8.60
ASP-1006-22	22-10	19.00	76.00	25.50	98.00	80.00	66.00	276.50	205.00	391.00	12.10

ASP-1009 G100 Clevis Shortening Grab Hook

- Forged super alloy steel-Quenched and Tempered.
- Suitable for G100 chain.
- 100% magnaflux crack detection.
- Surface finish : Powder plastified
- Safety factor : 4 Times

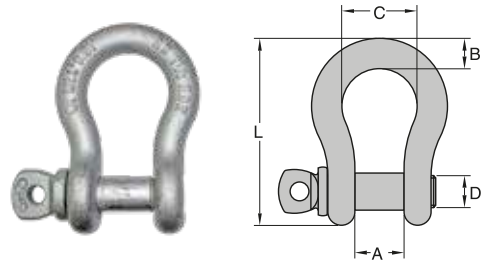


ASP-1009 G100 Clevis Shortening Grab Hook

Art No.	Size	W.L.L. t	B.S. t	Dimension / mm					Weight kg
				A	B	E	M	L	
ASP-1009-06	6-10	1.40	5.60	7.50	32.00	8.00	43.50	75.00	0.22
ASP-1009-08	8-10	2.50	10.00	9.00	36.00	10.80	53.00	91.50	0.34
ASP-1009-10	10-10	4.00	16.00	12.50	46.00	13.50	72.00	126.00	0.82
ASP-1009-13	13-10	6.70	26.80	15.00	59.00	16.50	96.00	163.50	1.75
ASP-1009-16	16-10	10.00	40.00	17.50	70.00	19.20	112.50	183.50	2.88
ASP-1009-20	20-10	16.00	64.00	24.00	85.00	24.00	143.00	224.00	4.84
ASP-1009-22	22-10	19.00	76.00	27.00	100.00	27.00	160.50	262.00	8.30

ASPS-364 G209 HIGH STRENGTH BOW SHACKLE, SCREW PIN

Material : Forged carbon steel with alloy pin
 Working load limit : 0.33 ton - 55 ton
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 6 times of the Working Load Limit
 Size and Working Load Limit permanently show on each shackle
 100% Magnaflux crack detection during manufacturing

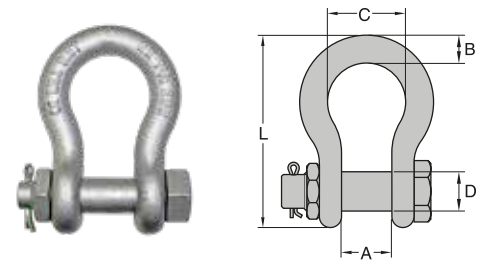


ASPS-364 HIGH STRENGTH BOW SHACKLE, SCREW PIN

Art No.	Size inch	W.L.L. t	M.B.S. t	Dimension / mm					Weight kg
				D	B	A	C	L	
ASPS-364-05	3/16"	0.33	1.98	6.0	4.8	9.65	15.3	37.5	0.06
ASPS-364-06	1/4"	0.50	3.00	7.5	6.4	12.00	19.8	468.0	0.10
ASPS-364-08	5/16"	0.75	4.50	9.5	8.0	13.50	21.4	53.0	0.19
ASPS-364-10	3/8"	1.00	6.00	11.5	9.7	16.80	26.2	63.0	0.31
ASPS-364-11	7/16"	1.50	9.00	13.4	11.2	19.10	29.5	78.0	0.38
ASPS-364-13	1/2"	2.00	12.50	15.5	12.7	20.60	33.3	83.0	0.73
ASPS-364-16	5/8"	3.25	19.50	19.5	16.0	27.00	42.9	106.0	1.37
ASPS-364-19	3/4"	4.75	28.50	21.2	20.6	32.00	50.8	126.0	2.36
ASPS-364-22	7/8"	6.50	39.00	24.0	24.6	36.60	58.0	148.0	3.62
ASPS-364-26	1"	8.50	51.00	26.5	27.0	43.00	68.4	167.0	5.03
ASPS-364-28	1-1/8"	9.50	57.00	29.5	31.8	46.00	74.0	190.0	7.41
ASPS-364-32	1-1/4"	12.00	72.00	35.7	35.0	51.60	82.6	210.0	9.50
ASPS-364-36	1-3/8"	13.50	81.00	39.0	38.1	57.20	92.2	232.0	13.53
ASPS-364-38	1-1/2"	17.00	102.00	39.0	41.0	60.50	98.6	254.0	17.20
ASPS-364-45	1-3/4"	25.00	150.00	48.0	57.0	73.20	127.0	314.0	27.78
ASPS-364-50	2"	35.00	210.00	56.0	61.0	82.60	146.0	347.0	45.00
ASPS-364-64	2-1/2"	55.00	330.00	67.5	79.5	105.00	184.2	453.0	85.75

ASPS-362 G2130 HIGH STRENGTH BOW SHACKLE WITH BOLT PIN

Material : Forged carbon steel with alloy pin
 Working load limit : 0.33 ton - 150 ton
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 6 times of the Working Load Limit
 Size and Working Load Limit permanently show on each shackle
 100% Magnaflux crack detection during manufacturing

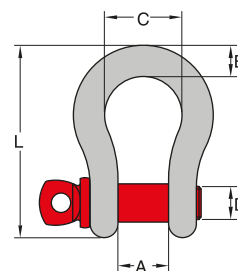


ASPS-362 HIGH STRENGTH BOW SHACKLE WITH BOLT PIN

Art No.	Size inch	W.L.L. t	M.B.S. t	Dimension / mm					Weight kg
				D	B	A	C	L	
ASPS-362-10	3/8"	1.00	6.00	3.3	9.70	16.8	26.2	58	0.33
ASPS-362-11	7/16"	1.50	9.00	78.0	11.20	19.0	29.5	65	0.49
ASPS-362-13	1/2"	2.00	12.00	83.3	12.70	20.6	33.3	74	1.01
ASPS-362-16	5/8"	3.25	19.50	106.5	17.50	27.0	42.9	94	1.60
ASPS-362-19	3/4"	4.75	28.50	126.5	20.60	32.0	50.8	108	2.42
ASPS-362-22	7/8"	6.50	39.00	148.1	24.60	36.6	58.0	128	3.95
ASPS-362-26	1"	8.50	51.00	166.6	27.00	43.0	68.4	145	5.66
ASPS-362-28	1-1/8"	9.50	57.00	190.0	31.75	46.0	74.0	160	8.27
ASPS-362-32	1-1/4"	12.00	72.00	209.6	35.00	51.6	82.6	181	11.71
ASPS-362-36	1-3/8"	13.50	81.00	232.7	38.10	57.2	92.2	188	15.83
ASPS-362-38	1-1/2"	17.00	102.00	254.0	41.20	60.5	98.6	211	20.80
ASPS-362-45	1-3/4"	25.00	150.00	313.5	57.20	73.2	127.0	281	33.91
ASPS-362-50	2"	35.00	210.00	347.5	61.00	82.5	146.0	311	52.25
ASPS-362-64	2-1/2"	55.00	330.00	453.2	79.50	105.0	184.2	403	98.25

ASP-364 G209 ANCHOR SHACKLE, WITH SCREW PIN

Material : Forged carbon steel with alloy pin
 Working load limit : 0.33 ton - 55 ton
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Size and Working Load Limit permanently show on each shackle
 100% Magnaflux crack detection during manufacturing

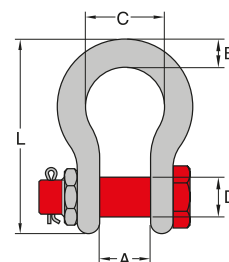


ASP-364 G209 FORGED ANCHOR SHACKLE WITH SCREW PIN

Art No.	Size inch	W.L.L. t	M.B.S. t	Dimension / mm					Weight kg
				D	B	A	C	L	
ASP-364-05	3/16"	0.33	1.32	6	5	10	15	37	0.03
ASP-364-06	1/4"	0.50	2.00	8	6	12	20	47	0.05
ASP-364-08	5/16"	0.75	3.00	9	8	13	21	54	0.10
ASP-364-10	3/8"	1.00	4.00	11	10	16	26	65	0.14
ASP-364-11	7/16"	1.50	6.00	13	11	19	30	75	0.20
ASP-364-13	1/2"	2.00	8.00	16	13	20	33	85	0.30
ASP-364-16	5/8"	3.25	13.00	19	16	27	43	106	0.60
ASP-364-19	3/4"	4.75	19.00	22	19	33	50	126	1.10
ASP-364-22	7/8"	6.50	26.00	26	22	38	58	148	1.60
ASP-364-26	1"	8.50	34.00	28	26	44	69	166	2.30
ASP-364-28	1-1/8"	9.50	38.00	32	28	46	74	190	3.20
ASP-364-32	1-1/4"	12.00	48.00	36	32	54	84	210	4.50
ASP-364-36	1-3/8"	13.50	54.00	38	36	59	92	232	6.30
ASP-364-38	1-1/2"	17.00	68.00	42	38	60	99	254	7.90
ASP-364-45	1-3/4"	25.00	100.00	51	47	73	127	313	16.40
ASP-364-50	2"	35.00	140.00	58	53	83	146	347	21.00
ASP-364-64	2-1/2"	55.00	220.00	70	79	105	184	453	39.00

ASP-362 G2130 ANCHOR SHACKLE, WITH BOLT PIN

Material : Forged carbon steel with alloy pin
 Working load limit : 0.33 ton - 150 ton
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Size and Working Load Limit permanently show on each shackle
 100% Magnaflux crack detection during manufacturing

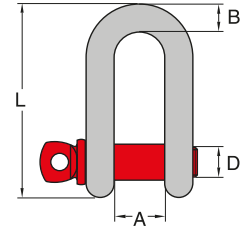


ASP-362 G2130 FORGED ANCHOR SHACKLE WITH BOLT PIN

Art No.	Size inch	W.L.L. t	M.B.S. t	Dimension / mm					Weight kg
				D	B	A	C	L	
ASP-362-05	3/16"	0.33	1.32	6.35	5	9.65	15.3	37.5	0.03
ASP-362-06	1/4"	0.50	2.00	8	6.5	12	20	47	0.05
ASP-362-08	5/16"	0.75	3.00	9.5	8	13.5	21	54	0.10
ASP-362-10	3/8"	1.00	4.00	11	10	16	26	65	0.15
ASP-362-11	7/16"	1.50	6.00	13	11	19	30	75	0.22
ASP-362-13	1/2"	2.00	8.00	16	13	20	33	85	0.46
ASP-362-16	5/8"	3.25	13.00	19	16	27	43	106	0.72
ASP-362-19	3/4"	4.75	19.00	22	19	33	50	126	1.20
ASP-362-22	7/8"	6.50	26.00	26	22	38	58	148	1.80
ASP-362-26	1"	8.50	34.00	28	26	44	69	166	2.57
ASP-362-28	1-1/8"	9.50	38.00	32	28	46	74	190	3.75
ASP-362-32	1-1/4"	12.00	48.00	36	32	54	84	210	5.32
ASP-362-36	1-3/8"	13.50	54.00	38	36	59	92	232	7.18
ASP-362-38	1-1/2"	17.00	68.00	42	38	60	99	254	9.45
ASP-362-45	1-3/4"	25.00	100.00	51	47	73	127	313	15.40
ASP-362-50	2"	35.00	140.00	58	53	83	146	347	23.75
ASP-362-64	2-1/2"	55.00	220.00	70	79	105	184	453	44.65
ASP-362-75	3"	85.00	340.00	90	92	127	200	546	70.00
ASP-362-89	3-1/2"	120.00	480.00	102	104	133	228	625	120.00
ASP-362-100	4"	150.00	600.00	111	115	140	254	652	153.50

ASP-365 G210 CHAIN SHACKLE, WITH SCREW PIN

Material : Forged carbon steel with alloy pin
 Working load limit : 0.5 ton - 55 ton
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Size and Working Load Limit permanently show on each shackle
 100% Magnaflux crack detection during manufacturing

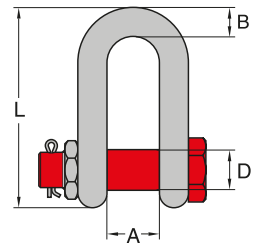


ASP-365 G210 FORGED CHAIN SHACKLE WITH SCREW PIN

Art No.	Size inch	W.L.L. t	M.B.S. t	Dimension / mm				Weight kg
				D	B	A	L	
ASP-365-06	1/4"	0.50	2.00	8	6	12	40	0.05
ASP-365-08	5/16"	0.75	3.00	9	8	13	48	0.08
ASP-365-10	3/8"	1.00	4.00	11	10	16	58	0.13
ASP-365-11	7/16"	1.50	6.00	13	11	19	68	0.19
ASP-365-13	1/2"	2.00	8.00	16	13	20	77	0.26
ASP-365-16	5/8"	3.25	13.00	19	16	27	95	0.56
ASP-365-19	3/4"	4.75	19.00	22	19	33	117	1.20
ASP-365-22	7/8"	6.50	26.00	26	22	38	135	1.43
ASP-365-26	1"	8.50	34.00	28	26	44	151	2.15
ASP-365-28	1-1/8"	9.50	38.00	32	28	46	172	3.06
ASP-365-32	1-1/4"	12.00	48.00	36	32	52	190	4.10
ASP-365-36	1-3/8"	13.50	54.00	38	36	57	210	5.28
ASP-365-38	1-1/2"	17.00	68.00	42	40	60	230	7.25
ASP-365-45	1-3/4"	25.00	100.00	51	53	73	277	12.15
ASP-365-50	2"	35.00	140.00	58	59	82	312	19.23
ASP-365-64	2-1/2"	55.00	220.00	70	66	105	377	32.60

ASP-363 G2150 CHAIN SHACKLE, WITH BOLT PIN

Material : Forged carbon steel with alloy pin
 Working load limit : 0.5 ton - 85 ton
 Proof loaded : 2 times of the Working Load Limit
 Safety factor : 4 times of the Working Load Limit
 Size and Working Load Limit permanently show on each shackle
 100% Magnaflux crack detection during manufacturing



ASP-363 G2150 FORGED CHAIN SHACKLE WITH BOLT PIN

Art No.	Size inch	W.L.L. t	M.B.S. t	Dimension / mm				Weight kg
				D	B	A	L	
ASP-363-06	1/4"	0.50	2.00	8	6	12	40	0.06
ASP-363-08	5/16"	0.75	3.00	9	8	13	48	0.10
ASP-363-10	3/8"	1.00	4.00	11	10	16	58	0.15
ASP-363-11	7/16"	1.50	6.00	13	11	19	68	0.22
ASP-363-13	1/2"	2.00	8.00	16	13	20	77	0.34
ASP-363-16	5/8"	3.25	13.00	19	16	27	95	0.66
ASP-363-19	3/4"	4.75	19.00	22	19	33	112	1.14
ASP-363-22	7/8"	6.50	26.00	26	22	38	135	1.75
ASP-363-26	1"	8.50	34.00	28	26	44	151	2.52
ASP-363-28	1-1/8"	9.50	38.00	32	28	46	172	3.45
ASP-363-32	1-1/4"	12.00	48.00	36	32	52	190	4.90
ASP-363-36	1-3/8"	13.50	54.00	38	36	57	210	6.25
ASP-363-38	1-1/2"	17.00	68.00	42	40	60	230	8.40
ASP-363-45	1-3/4"	25.00	100.00	51	53	73	279	14.20
ASP-363-50	2"	35.00	140.00	58	59	82	312	21.25
ASP-363-64	2-1/2"	55.00	220.00	70	66	105	377	38.60
ASP-363-75	3"	85.00	340.00	90	90	127	428	56.50

Product Range by LiftAll Group



Lifting & Lashing Equipment



Ratchet Strap, Heavy Duty



RIBBONS
High Tenacity Polyester Webbing



Round Sling Polyester



Webbing Sling Polyester



Logistic Lashing



Lifting Sling, Wide-Type



1, 2, 3, 4 Legged Slings

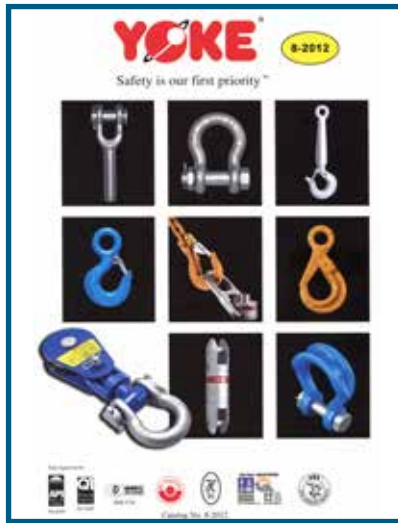


One-Way Lashing

Product Range by LiftAll Group



JDT Germany
Swivels Eye Bolt



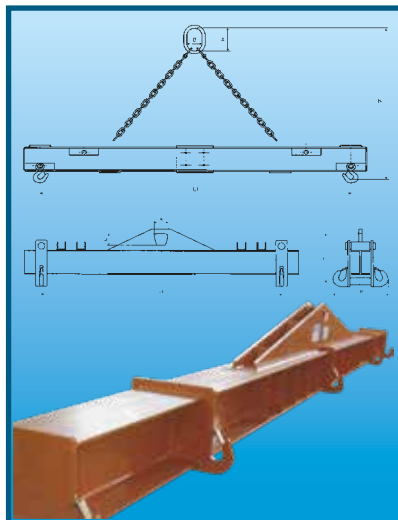
YOKE Products
Lifting Accessory



Chain Block, Lever Block



JDT Germany
Grade 100 Alloy Chain & Accessory



Lifting Beam 2-100 Ton



Lifting Clamp, Beam Clamp



Wire Rope Slings



Nacm96 Transport Chain



Safety Harness

ASP

EN818-2



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