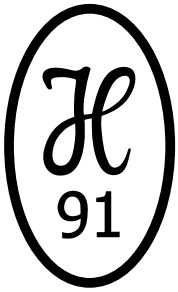
YOKE®

Safety is our first priority™

EXTREME-100

Catalog No. 8-2018 Extreme-100



Worldwide Quality Type Approval And Certificate:

http://www.yoke.net/thirdpartycertificate

Quality Control, Testing, and Detecting during manufacturing

YOKE runs a constant and strict production facility with quality control in every manufacturing stage from raw materials to the completed product. YOKE is an ISO 9001 certified company and has Type Approval by the major international authorities from SABS, ZU, ABS, API, and DNV. YOKE has achieved CNLA certification - Chinese National Laboratory Accreditation which ensures a quality research and development (R&D) department and unsurpassed product engineering.

Magnaflux Crack Detection:

All forged components, each individually magnaflux detected after heat treatment.

Proof Load Testing:

Chain and components are proof load tested at 2.5 times the Working Load Limits with resultant permanent deformation within 1%.

Dynamic Fatigue Testing:

Batch samples of chain and components are Dynamic Fatigue Tested at 1.5 times Working Load Limit for 20,000 cycles.

Ultimate Breaking Load Testing:

Batch samples are Break Load Tested in a static tensile testing machine to ultimate failure. The minimum ultimate force is equal to the Working Load Limit times the safety factor.

Spectrographic Analysis:

To assure of the proper metallurgy content of all raw materials.

Eddy Current Detection:

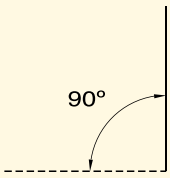
All load pins are 100% individually inspected after heat treatment.

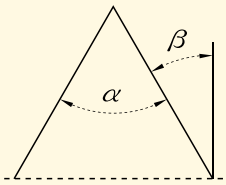
Test certificate

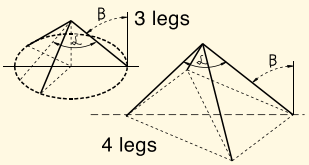
DANGER: Overhead lifting presents a very real danger of severe injury or loss of life if lifting equipment is not used properly.Please read and understand all of these instructions prior to using any lifting sling or sling assembly. Sling should only be used by qualified persons who are responsible for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

Grade 100 Chain Sling Components

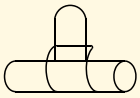
WORKING LOAD LIMITS IN TONNES acc. to PAS 1061







Choke endless sling



Load Factor	1	1.4	1	2.1	1.5	1.6
For Chain Size mm	**tonnes**	**β 0 - 45° α 0 - 90°**	**45° - 60° 90° - 120°**	**β 0 - 45° α 0 - 90°**	**45° - 60° 90° - 120°**	
6	1.4	2.0	1.4	2.9	2.1	2.2
7	1.9	2.7	1.9	4.0	2.9	3.0
8	2.5	3.5	2.5	5.3	3.8	4.0
10	4.0	5.6	4.0	8.4	6.0	6.4
13	6.7	9.4	6.7	14.1	10.1	10.7
16	10.0	14.0	10.0	21.0	15.0	16.0
20	16.0	22.4	16.0	33.6	24.0	25.6
22	19.0	26.5	19.0	39.9	28.5	30.4
26	26.5	37.1	26.5	55.7	39.8	42.4
32	40.0	56.0	40.0	84.0	60.0	64.0

**Safety factor 4:1 above limits are valid for standard use and equally loaded slings. Properly use and maintaince of your YOKE chain slings will give long life and enable you to carry out your lifting operations efficiently and safely.

Warning: Never exceed a vertical sling angle of 60°

SAFE USE

- Never load in excess of the rated capacity for the application.
- Keep a record of all slings in use.
- User should remove all twists from a chain leg before lifting and, should never knot a chain.
- Always use YOKE 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 snagging 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

- YOKE 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.

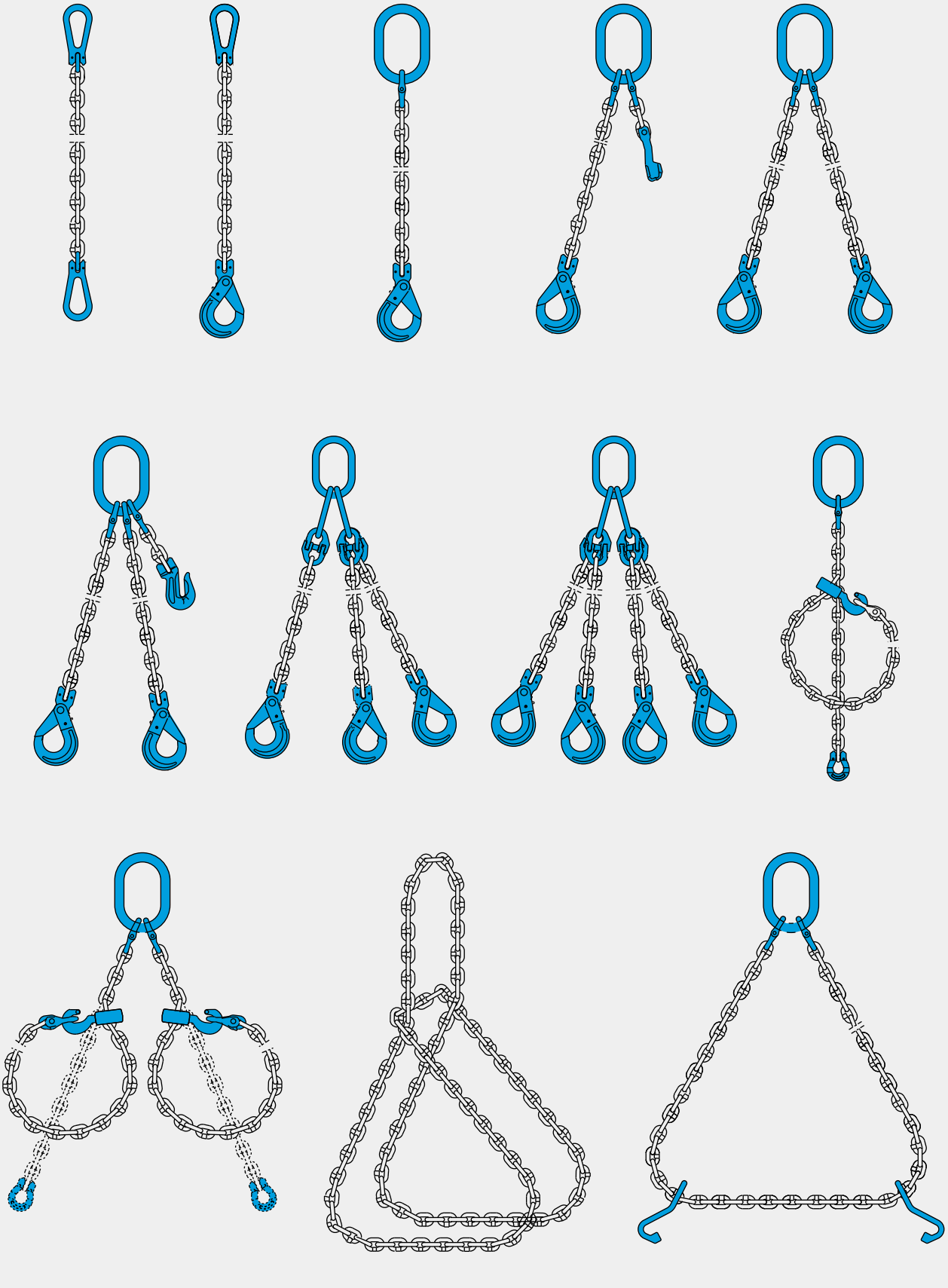
- YOKE slings must not be heat-treated, galvanized, plated, coated or subject to any process involving heating or pickling. Each of these processes can have dangerous effects and will invalidate the manufacturer certificate.

- YOKE slings may be used at temperatures between -40°C to 200°C with no reduction in the working load limit . The use of YOKE chain slings 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 form service immediately and returned to the distributor for thorough examination.

- When using YOKE 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.

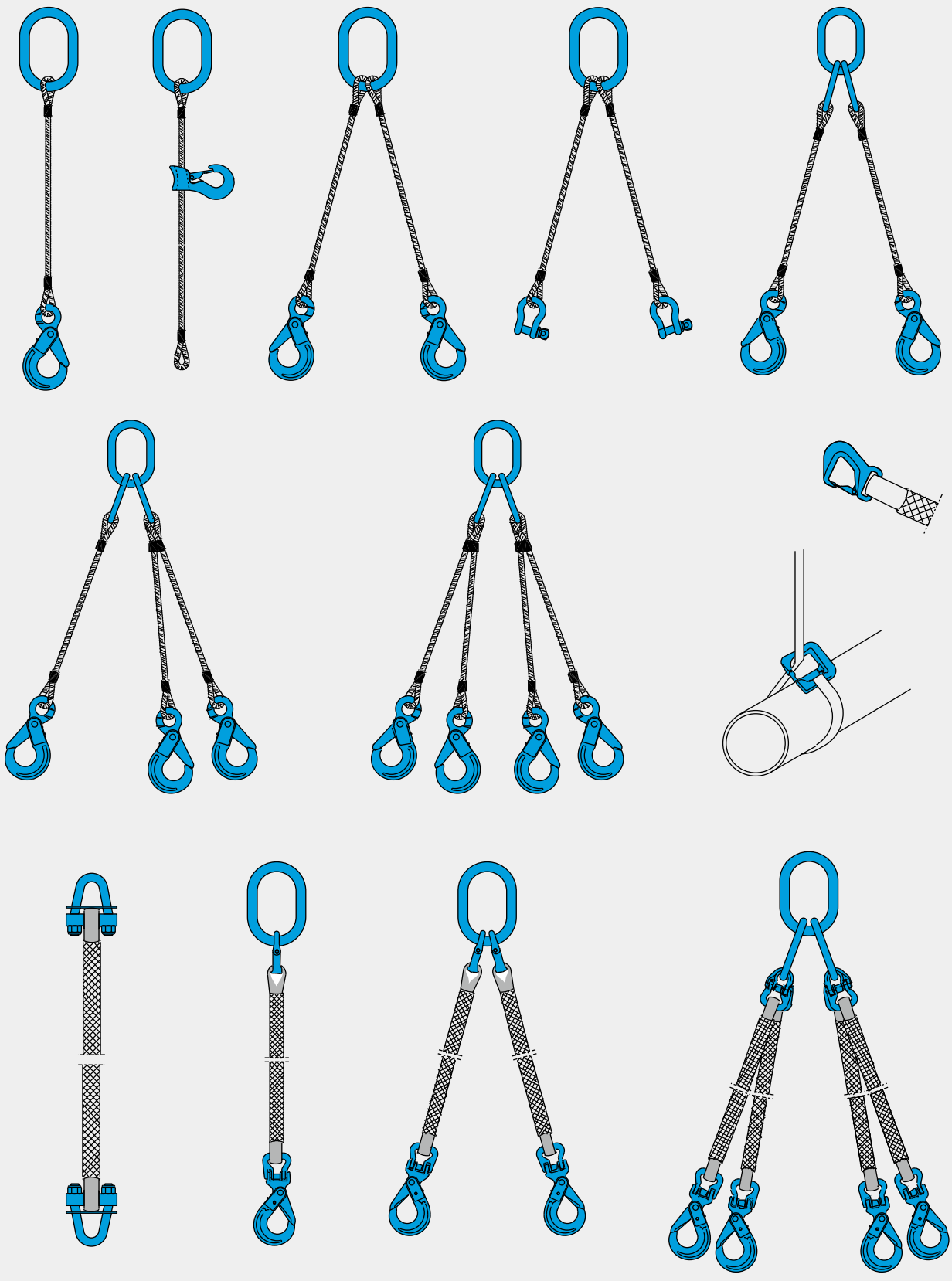
Sling temperature (F)	Sling temperature (C)	Reduction in Working Load Limit
−40℉ to 400℉	−40℃ to 200℃	None
400℉ to 550℉	200℃ to 300℃	10%
550℉ to 750℉	300℃ to 400℃	25%
Above 750℉	Above 400℃	Do not use.

Examples Of Chain Slings

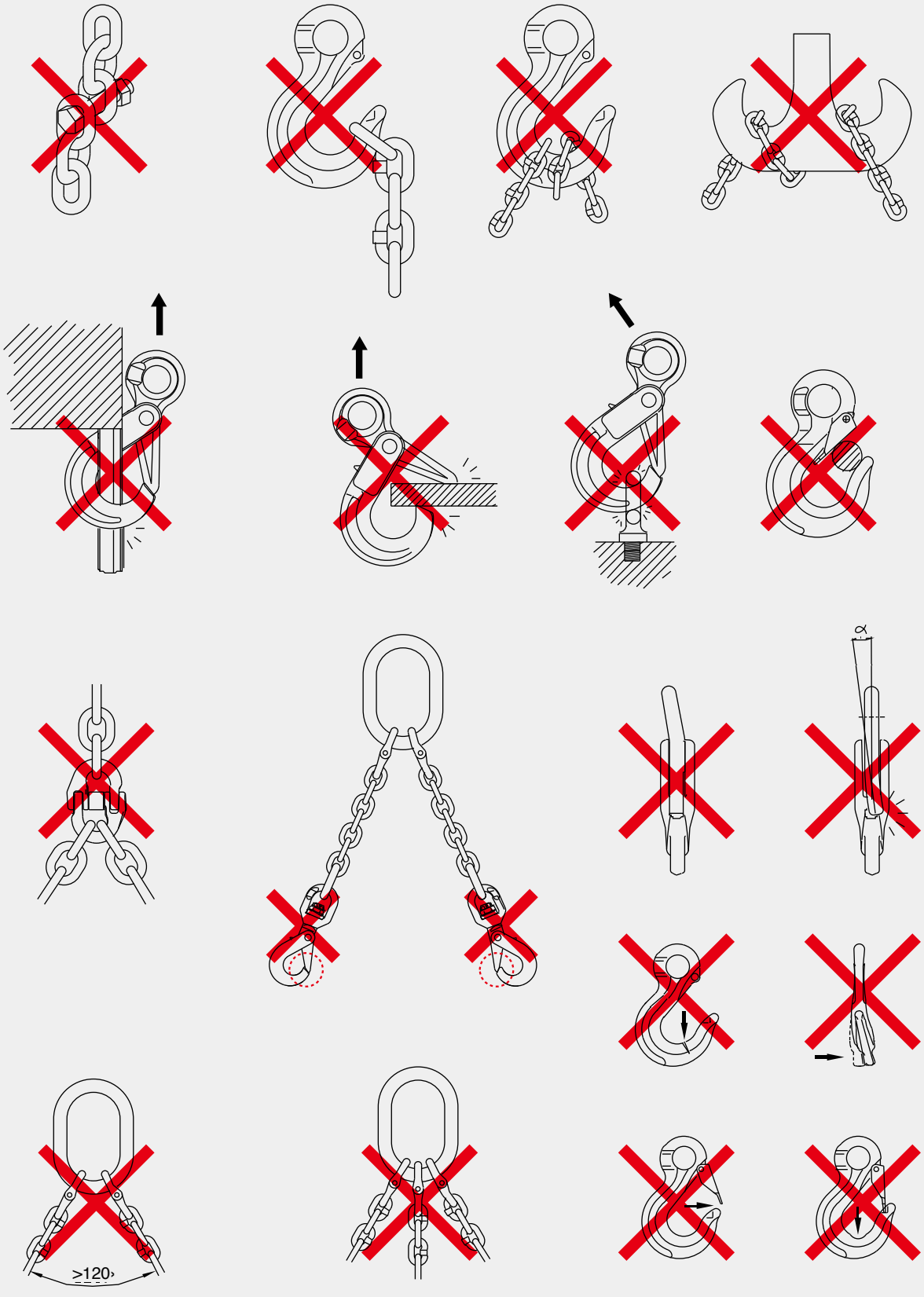


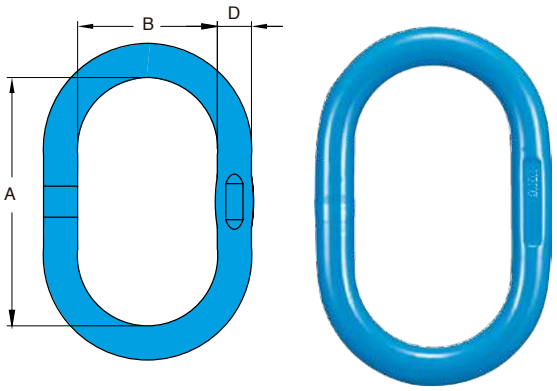
WARNING
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT

Examples Of Wire Rope Sling & Web Sling



Incorrect Use





- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Certified by DGUV GS-OA-15-05.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 5:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 1-2 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-001 Welded Master Link

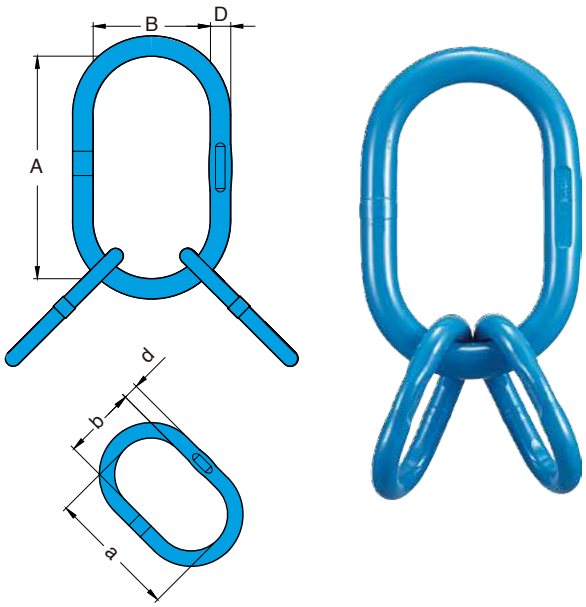
Item No.	Code No.	For Grade 100 Chain (mm)		WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)			N.W.
		1-leg	2-leg	tonnes	kN		D	A	B	kg
X-001-13	AD-13	6,7,8	6	2.8	69	2.5	13	120	60	0.4
X-001-16	AD-16	10	7,8	4	98	6	16	160	90	0.7
X-001-19	AD-19	13	10	6.7	164	6	19	160	90	1.1
X-001-22	AD-22	13	10	8.9	208	8	22	180	100	1.6
X-001-25	AD-25	16	13	11.5	282	10	25	210	115	2.4
X-001-251	AD-251	16	13	11.5	282	16	25	275	145	3.1
X-001-28	AD-28	16	13	13	319	16	28	275	145	3.9
X-001-281	AD-281	16	13	13	319	8	28	190	100	2.8
X-001-32	AD-32	20	16	17.1	417	16	32	275	145	5.1
X-001-36	AD-36	26	22	24	588	20	36	285	155	6.9
X-001-40	AD-40	26	22	28.1	688	20	40	300	160	8.9
X-001-45	AD-45	26	26	38.3	938	25	45	340	180	12.8
X-001-50	AD-50	32	26	45	1103	32	50	350	195	16.6
****X-001-60**	AD-60	-	-	65	1593	32	60	430	230	29.1
****X-001-70**	AD-70	-	-	85	2083	50	70	480	260	44.6
****X-001-90**	AD-90	-	-	150	3675	50	90	500	300	81.1

Sub-links SPEC for X-007.Items in grey area are not for sale individually.

X-001-161	AD-161	10	7,8	4	98	-	16	140	70	0.6
X-001-361	AD-361	22	20	24	588	-	36	275	145	6.6
X-001-401	AD-401	26	22	28.1	688	-	40	260	130	7.8
****X-001-601**	AD-601	32	32	65	1593	-	60	410	220	27.9
****X-001-701**	AD-701	-	-	85	2083	-	70	400	200	37.7

★ Design factor 5:1 proof tested and certified.

★★ Available from Q1, 2019

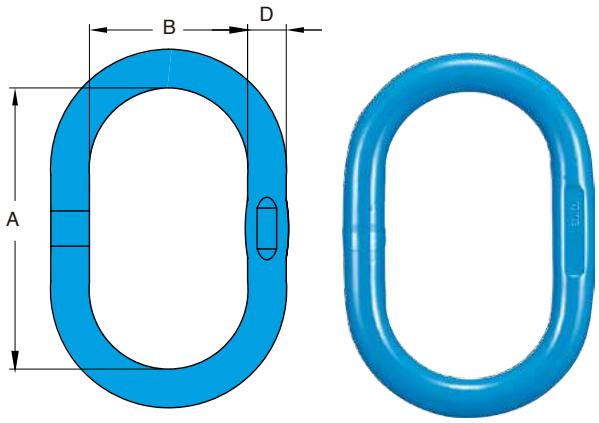


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Certified by DGUV GS-OA-15-05.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 5:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 3-4 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-007 Welded Master Link Assembly

Item No.	Assembled with	For Grade 100 Chain (mm)	WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W.
		3 and 4-leg	tonnes	kN		D	A	B	d	a	b	kg
X-007-19	AD-19 +2 AD-161	7,8	5.3	130	6	19	160	90	16	140	70	2.4
X-007-25	AD-251+2 AD-19	10	8.9	218	16	25	275	145	19	160	90	5.2
X-007-28	AD-28 +2 AD-22	10	12.9	316	16	28	275	145	22	180	100	7.1
X-007-32	AD-32 +2 AD-25	13	17	417	16	32	275	145	25	210	115	10.0
X-007-36	AD-361+2 AD-281	16	23.6	578	16	36	275	145	28	190	100	12.2
X-007-40	AD-40 +2 AD-32	16	28.1	688	20	40	300	160	32	275	145	19.2
X-007-45	AD-45 +2 AD-36	20	38.3	938	25	45	340	180	36	285	155	26.5
X-007-50	AD-50 +2 AD-401	22	45	1103	32	50	350	195	40	260	130	32.3
X-007-60	AD-60 +2 AD-50	26	65	1593	32	60	430	230	50	350	195	62.3
X-007-70	AD-70 +2 AD-601	32	85	2083	50	70	480	260	60	410	220	100.4
X-007-90	AD-90 +2 AD-701	-	150	3675	50	90	500	300	70	400	200	156.4

★ Design factor 5:1 proof tested and certified.

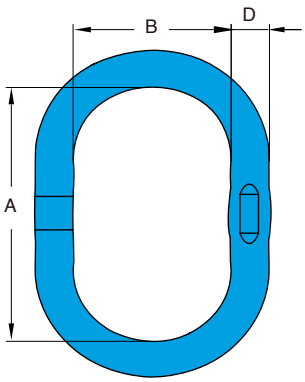


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 1-2 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-002 Welded Master Link

Item No.	Code No.	For Grade 100 Chain (mm)		WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)			N.W.
		1-leg	2-leg	tonnes	kN		D	A	B	kg
X-002-13	BD-13	7,8	6	2.8	69	2.5	13	110	60	0.3
X-002-16	BD-16	10	7,8	4	98	2.5	16	110	60	0.5
X-002-19	BD-19	13	10	6.7	164	5	19	135	75	0.9
X-002-22	BD-22	13	10	8.5	208	6	22	160	90	1.5
X-002-28	BD-28	16	13	11.5	282	8	28	180	100	2.7
X-002-32	BD-32	20	16	17	417	10	32	200	110	3.9
X-002-36	BD-36	22	20	25.1	615	16	36	260	140	6.3
X-002-45	BD-45	26	22	38.3	938	25	45	300	180	11.8
X-002-50	BD-50	32	26	45	1103	32	50	300	200	15.2
X-002-60	BD-60	-	32	64	1568	32	60	400	200	27.0
X-002-70	BD-70	-	-	85	2083	50	70	460	250	43.0

★ Design factor 4:1 proof tested and certified.

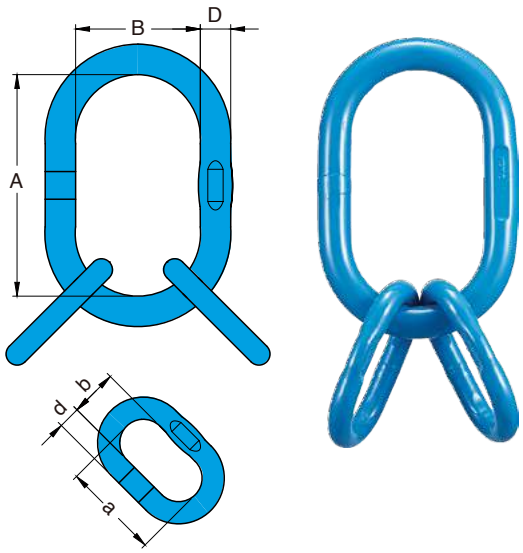


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26,EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 1-2 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-002W Welded Master Link

Item No.	Code No.	For Grade 100 Chain (mm)		WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)			N.W.
		1-leg	2-leg	tonnes	kN		D	A	B	kg
X-002W-13	CD-13	7,8	6	2.8	69	4	13	120	70	0.4
X-002W-16	CD-16	10	7,8	4	98	5	16	140	80	0.7
X-002W-19	CD-19	13	10	6.7	164	6	19	160	95	1.1
X-002W-22	CD-22	13	10	8.5	208	10	22	170	105	1.6
X-002W-28	CD-28	16	13	11.5	282	10	28	190	110	2.9
X-002W-32	CD-32	20	16	17	417	12	32	230	130	4.5
X-002W-36	CD-36	22	20	25.1	615	20	36	275	150	6.7
X-002W-60	CD-60	-	32	64	1568	50	60	350	250	26.0

★ Design factor 4:1 proof tested and certified.

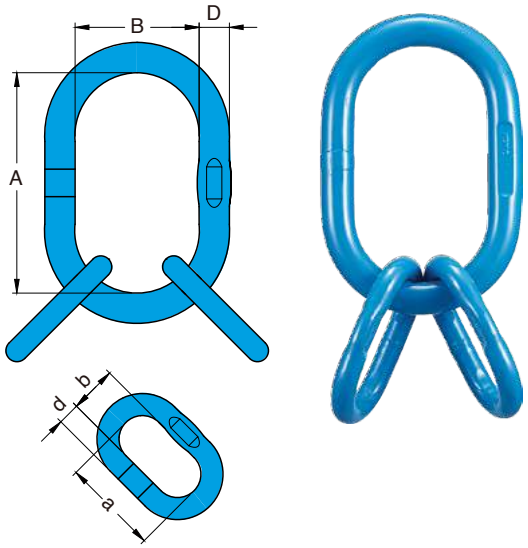


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 3-4 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-006 Welded Master Link Assembly

Item No.	Assembled with	For Grade 100 Chain (mm)	WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W.
		3 and 4-leg	tonnes	kN		D	A	B	d	a	b	kg
X-006-19	BD-19 +2 DD-13	6	4.2	103	5	19	135	75	13	54	25	1.3
X-006-22	BD-22 +2 DD-16	7,8	8.2	201	6	22	160	90	16	70	34	2.2
X-006-28	BD-28 +2 DD-19	10	10.7	262	8	28	180	100	19	85	40	3.9
X-006-32	BD-32 +2 DD-22	13	15.7	385	10	32	200	110	22	115	50	6.1
X-006-36	BD-36 +2 DD-28	16	22.2	544	16	36	260	140	28	140	65	10.6
X-006-50	BD-50 +2 DD-32	20	34.1	835	32	50	300	200	32	150	70	21.2
X-006-501	BD-50 +2 DD-36	22	40	980	32	50	300	200	36	170	75	23.8
X-006-60	BD-60 +2 DD-45	26	56	1372	32	60	400	200	45	170	80	41.3
X-006-70	BD-70 +2 DD-50	32	85	2083	50	70	460	250	50	200	100	63.7

★ Design factor 4:1 proof tested and certified.

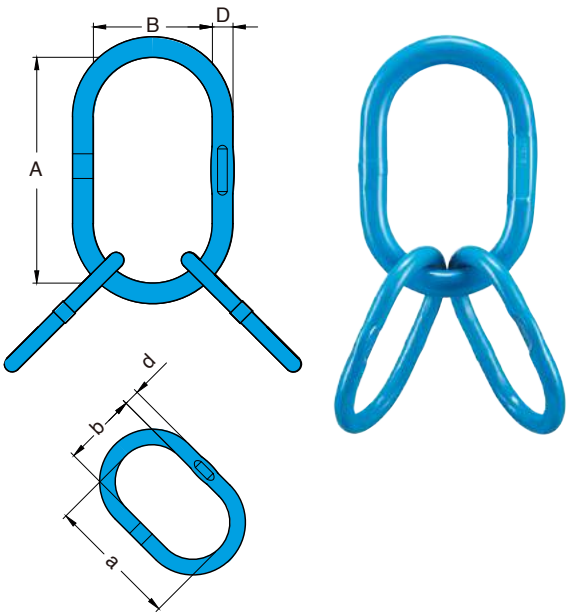


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 3-4 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-006W Welded Master Link Assembly

Item No.	Assembled with	For Grade 100 Chain (mm)	WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W.
		3 and 4-leg	tonnes	kN		D	A	B	d	a	b	kg
X-006W-19	CD-19 +2 DD-13	6	4.2	103	6	19	160	95	13	54	25	1.5
X-006W-22	CD-22 +2 DD-16	7,8	8.2	201	10	22	170	105	16	70	34	2.3
X-006W-28	CD-28 +2 DD-19	10	10.7	262	10	28	190	110	19	85	40	4.1
X-006W-32	CD-32 +2 DD-22	13	15.7	385	12	32	230	130	22	115	50	6.6
X-006W-36	CD-36 +2 DD-28	16	22.2	544	20	36	275	150	28	140	65	10.9
X-006W-60	CD-60 +2 DD-32	20	34.1	835	50	60	350	250	32	150	70	32.1
X-006W-601	CD-60 +2 DD-36	22	40	980	50	60	350	250	36	170	75	34.6

★ Design factor 4:1 proof tested and certified.



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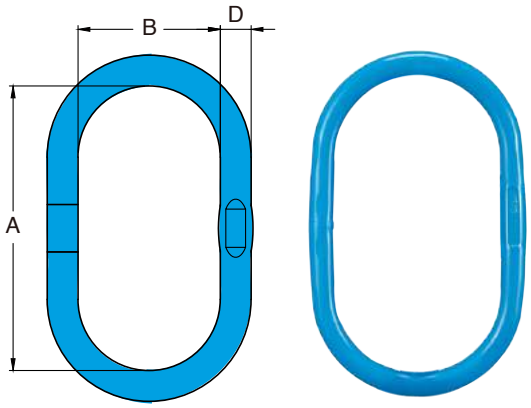
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 3-4 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-006L Welded Master Link Assembly

Item No.	Assembled with	For Grade 100 Chain (mm)	WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W.
		3 and 4-leg	tonnes	kN		D	A	B	d	a	b	kg
X-006L-19	BD-19 +2 BD-13	6	4.2	103	5	19	135	75	13	110	60	1.6
X-006L-22	BD-22 +2 BD-16	7,8	8.2	201	6	22	160	90	16	110	60	2.5
X-006L-32	BD-32 +2 BD-22	10	10.7	262	10	32	200	110	22	160	90	6.9
X-006L-36	BD-36 +2 BD-28	13	15.7	385	16	36	260	140	28	180	100	11.8
X-006L-45	BD-45 +2 BD-32	16	22.2	544	25	45	300	180	32	200	110	19.7

★ Design factor 4:1 proof tested and certified.

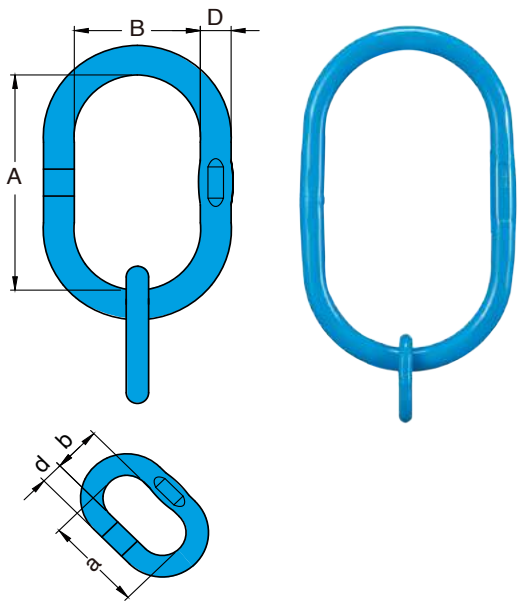


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 1 leg Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-0080 Welded Master Link

Item No.	Code No.	For Grade 100 Chain (mm)	WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)			N.W.
		1-leg	tonnes	kN		D	A	B	kg
X-0080-28	ED-28	13	6.7	164	25	28	340	180	4.7
X-0080-32	ED-32	16	10	245	25	32	340	180	6.2
X-0080-40	ED-40	20,22	19	466	25	40	340	180	10.0

★ Design factor 4:1 proof tested and certified.

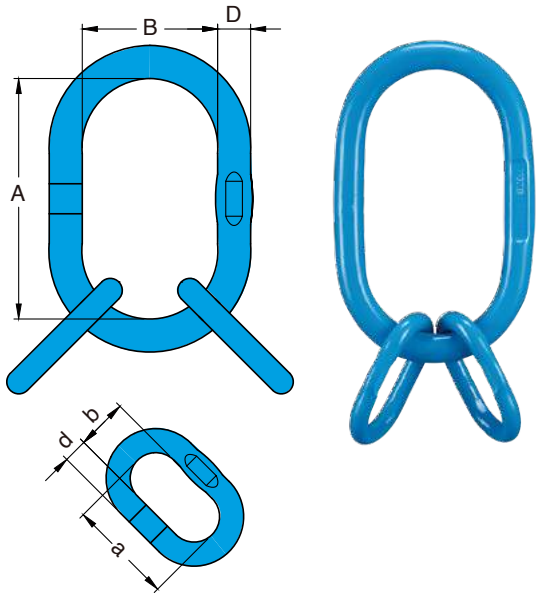


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 1 leg Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-0081 Welded Master Link Assembly

Item No.	Assembled with	For Grade 100 Chain (mm)	WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W.
		1-leg	tonnes	kN		D	A	B	d	a	b	kg
X-0081-22	ED-22 +1 DD-13	6,7,8	2.5	61	25	22	340	180	13	54	25	3.2
X-0081-28	ED-28 +1 DD-16	10	4	98	25	28	340	180	16	70	34	5.4

★ Design factor 4:1 proof tested and certified.

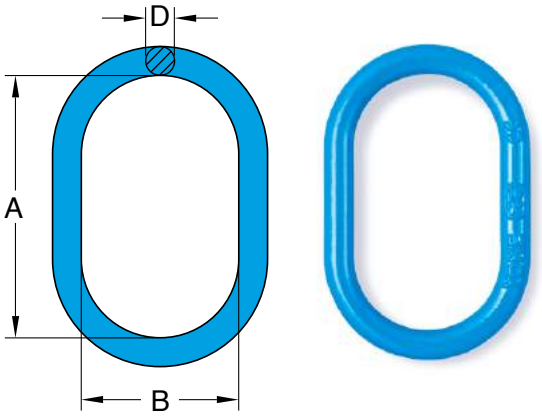


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 3-4 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

X-0082 Welded Master Link Assembly

Item No.	Assembled with	For Grade 100 Chain (mm)		WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W.
		2-leg	4-leg	tonnes	kN		D	A	B	d	a	b	kg
X-0082-22	ED-22 + 2 DD-13	6,7,8	6	3.55	87	25	22	340	180	13	54	25	3.2
X-0082-28	ED-28 + 2 DD-16	10	7,8	5.6	137	25	28	340	180	16	70	34	5.4
X-0082-32	ED-32 + 2 DD-19	13	10	9.5	233	25	32	340	180	19	85	40	7.4
X-0082-40	ED-40 + 2 DD-22	16	13	14.1	343	25	40	340	180	22	115	50	12.1
X-0082-401	ED-40 + 2 DD-25	20	16	21.2	519	25	40	340	180	25	140	65	14.2

★ Design factor 4:1 proof tested and certified.



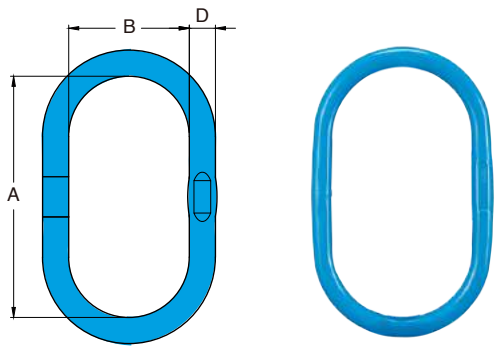
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Designed for 1-2 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

Forged

G-100 Forged Oblong Master Link

Item No.	For Grade 100 Chain (mm)		WLL β 0-45°	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)			N.W.
	1-leg	2-leg	tonnes	kN		D	A/W	B	kg
X-003-06	6	-	1.4	34	2.5	11	100	60	0.2
X-003-0806	7,8	6	2.9	71	4	14	120	70	0.5
X-003-1008	10	7, 8	5.3	130	5	17	140	80	0.7
X-003-13	13	-	6.7	164	6	19	150	90	1.1
X-003-1310	13	10	8.4	206	6	22	160	95	1.5
X-003-16	16	-	10.0	245	10	25	190	110	2.3
X-003-1613	16	13	14.1	345	8	28	180	105	2.7
X-003-19	19,20	-	16.0	392	10	30	200	120	3.5
X-003-2216	22	16	21.0	515	16	34	240	140	5.3
X-003-26	26	-	26.5	649	16	38	250	150	7.4
X-003-2619	26	19, 20	33.6	823	16	40	250	150	8.3
X-003-3222	32	22	39.9	978	25	45	300	180	12.3

★ Design factor 4:1 proof tested and certified.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26 ,EN 1677-4,and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Welded Master Link designed for 1-2 legs Chain, Wire Rope and Webbing Slings.
- Each link is marked with batch number that links to the test certificate with full tracebility to raw materials.

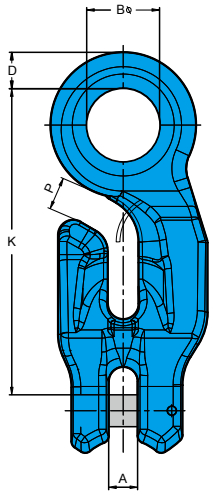
X-004 Welded Master Link

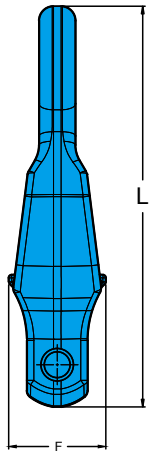
Sub-links SPEC for X-0081, X-0082, X-006W. Items in grey area are not for sale individually.

Item No.	Code No.	For Grade 100 Chain (mm)		WLL β 0-45°	Proof Load	Dimensions (mm)			N.W.
		1-leg	2-leg	tonnes	kN	D	A	B	kg
X-004-13	DD-13	10	6	4	98	13	54	25	0.2
X-004-16	DD-16	13	7,8	6.7	164	16	70	34	0.4
X-004-19	DD-19	16	10	10	245	19	85	40	0.6
X-004-22	DD-22	20	13	14	343	22	115	50	1.1
X-004-28	DD-28	22	16	19	466	28	140	65	2.1
X-004-32	DD-32	26	20	26.5	649	32	150	70	3.0
X-004-36	DD-36	-	22	31	760	36	170	75	4.3
X-004-40	DD-40	32	-	40.4	990	40	170	80	5.5
X-004-45	DD-45	-	26	42.4	1039	45	170	80	7.1
X-004-50	DD-50	-	32	64	1568	50	200	100	10.3

★ Design factor 4:1 proof tested and certified.

CHAIN SLING





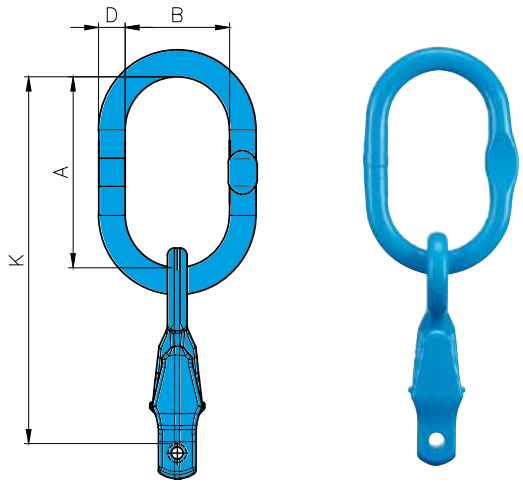
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with DIN EN 1677-1 and DIN 5692.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Each hook is marked with batch number that links to the test certificate with full traceability to raw materials.

G-100 GrabEX Eye Grab Hook

Item No.	WLL	For Grade 100 Chain	Dimensions (mm)							N.W.
	tonnes	mm	A	B	D	F	K	L	P	kg
X-079-06	1.4	5, 6	8	18	9	24	76	99	12	0.24
X-079-08	2.5	7, 8	10	24	13	32	102	134	12	0.54
X-079-10	4	10	12	31	14	40	125	163	15	1.03
X-079-13	6.7	13	16	37	18	51	158	208	20	2.18
X-079-16	10	16	19	48	24	64	202	264	21	4.39

★ Design factor 4:1 proof tested and certified.

CHAIN SLING



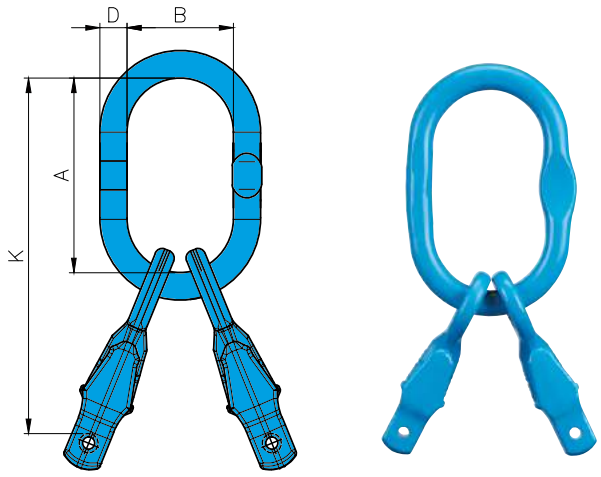
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with DIN PAS 1061,EN 1677 and ASTM A952/ A 952M.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Each link is marked with batch number that links to the test certificate with full traceability to raw materials.
- Fully integrated shortening clutch and master link.
- No reduction in WLL when shortening chain.
- Speedy assembly.
- Light weight system.
- Cost effective compared to slings which use multiple components.

G100 GrabEX 1 Single Leg Assembly

Item No.	Code No.	WLL	For Grade 100 Chain	Can be used on single hook Acc. To DIN15401 No.	Dimensions (mm)				N.W.
		tonnes	mm		D	A	B	K	kg
X-A04-06	XAF-06	1.4	6	4	13	120	70	196	0.7
X-A04-08	XAF-08	2.5	7,8	5	16	140	80	242	1.2
X-A04-10	XAF-10	4	10	6	19	160	95	285	2.1
X-A04-13	XAF-13	6.7	13	10	22	170	105	328	3.9
X-A04-16	XAF-16	10	16	10	28	190	110	392	7.0

★ Design factor 4:1 proof tested and certified.

CHAIN SLING



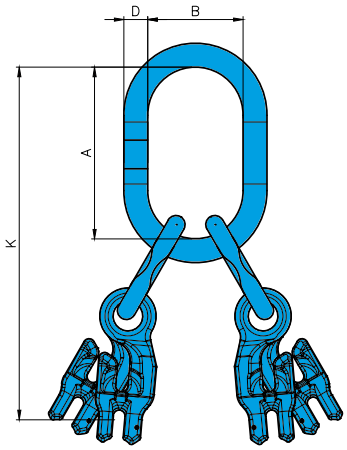
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with DIN PAS 1061,EN 1677 and ASTM A952/ A 952M.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Each link is marked with batch number that links to the test certificate with full traceability to raw materials.
- Fully integrated shortening clutch and master link.
- No reduction in WLL when shortening chain.
- Speedy assembly.
- Light weight system.
- Cost effective compared to slings which use multiple components.

G100 GrabEX 2 Leg Assembly

Item No.	Code No.	WLL	For Grade 100 Chain	Can be used on single hook Acc. To DIN15401 No.	Dimensions (mm)				N.W.
		tonnes	mm		D	A	B	K	kg
X-A05-06	XAG-06	2	6	4	13	120	70	196	0.9
X-A05-08	XAG-08	3.5	7,8	6	19	160	95	262	2.2
X-A05-10	XAG-10	5.6	10	10	22	170	105	295	3.8
X-A05-13	XAG-13	9.4	13	10	28	190	110	348	7.0
X-A05-16	XAG-16	14	16	12	32	230	130	432	13.6

★ Design factor 4:1 proof tested and certified.

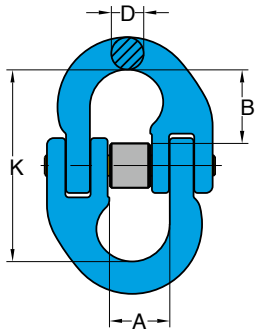
CHAIN SLING



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with DIN PAS 1061,EN 1677 and ASTM A952/ A 952M.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature at a minimum of 400°C.
- Each link is marked with batch number that links to the test certificate with full traceability to raw materials.
- Fully integrated shortening clutch and master link.
- No reduction in WLL when shortening chain.
- Speedy assembly.
- Light weight system.
- Cost effective compared to slings which use multiple components

G100 GrabEX 4 Leg Assembly

Item No.	Code No.	WLL	For Grade 100 Chain	Can be used on single hook Acc. To DIN15401 No.	Dimensions (mm)				N.W.
		tonnes	mm		D	A	B	K	kg
X-A06-06	XAH-06	2.9	6	6	19	160	95	261	2.4
X-A06-08	XAH-08	5.3	7,8	10	22	170	105	306	4.6
X-A06-10	XAH-10	8.4	10	10	28	190	110	355	8.1
X-A06-13	XAH-13	14.1	13	12	32	230	130	438	15.8
X-A06-16	XAH-16	21	16	20	38	275	150	542	28.9



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 1 and ASTM A952/ A952M.
- Certified by DGUV GS-OA-15-05
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Suitable for use with both Grade 80 and Grade 100 chain.

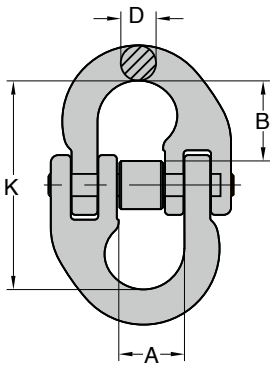

X-P015

Repair kit available for maintenance.

G-100 Connecting Link

Item No.	For Grade 100 Chain	WLL		Dimensions (mm)			N.W.
	mm	tonnes*	A	B	D	K	kg
X-015-06	6	1.4	15	18	7	45	0.08
X-015-07	7, 8	2.5	18	25	9	59	0.2
X-015-10	10	4.0	25	28	11	69	0.3
X-015-13	13	6.7	30	38	16	92	0.7
X-015-16	16	10.0	36	41	19	101	1.2
X-015-20	20	16.0	42	50	23	122	2.1
X-015-22	22	19.0	49	63	24	152	3.5
X-015-26	26	26.5	55	66	30	162	4.8
X-015-32	32	40.0	69	85	36	203	9.0

★ Design factor 4:1 proof tested and certified.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 1 and ASTM A952/ A952M.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Suitable for use with both Grade 80 and Grade 100 chain.
- Dacromet surface finish for enhanced corrosion resistance.


X-PM015

Special pin and sleeve designed for maintenance purpose.

G-100 Connecting Link

Dacromet® surface finish**

Item No.	For Grade 100 Chain	WLL		Dimensions (mm)			N.W.
	mm	tonnes*	A	B	D	K	kg
X-M015-06	6	1.4	15	18	7	45	0.1
X-M015-07	7, 8	2.5	18	25	9	59	0.2
X-M015-10	10	4.0	25	28	11	69	0.3
X-M015-13	13	6.7	30	38	16	92	0.7
X-M015-16	16	10.0	36	41	19	101	1.2
X-M015-20	20	16.0	42	50	23	122	2.1
X-M015-22	22	19.0	49	63	24	152	3.5
X-M015-26	26	26.5	55	66	30	162	4.8
X-M015-32	32	40.0	69	85	36	203	9.0

★ Design factor 4:1 proof tested and certified.

YOKE®

Safety is our first priority™

New!

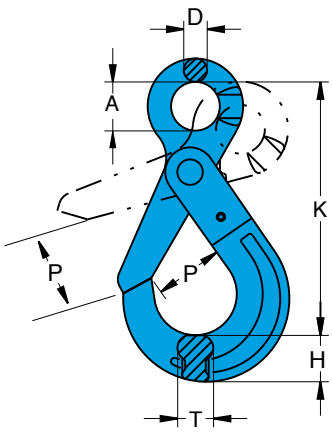
Safety Triggers

Quality approval by:

API Spec Q1 Registered
Q1 0467

QMS REGISTERED
QMS 0726

QUALITY SYSTEM CERTIFICATION ISO 9001:2008 DNV



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 3 and ASME B30.26, ASME B30.10.
- Certified by DGUV GS-OA-15-05 & DGUV GS-MO-15-05
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

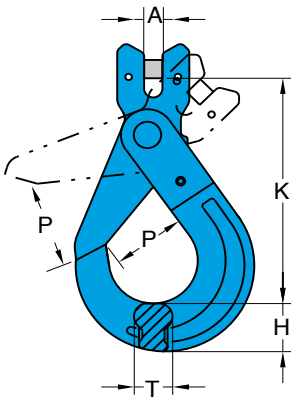
8-P025
For most sizes

8-P025T
For 26mm

G-100 Eye Self Locking Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)						N.W.
	mm	tonnes*	A	D	H	K	P	T	kg
X-025-06	6	1.4	21	10	19	110	28	15	0.5
X-025-07	7,8	2.5	25	11	24	136	34	20	0.8
X-025-10	10	4.0	32	13	30	167	44	26	1.5
X-025-13	13	6.7	40	16	39	207	51	30	3.0
X-025-16	16	10.0	50	21	49	252	60	36	5.8
X-025-20	20	16.0	60	23	65	290	70	53	10.0
X-025-22	22	19.0	70	24	63	319	80	49	12.5
X-025-26	26	26.5	80	25	69	343	99	56	15.0

★ Design factor 4:1 proof tested and certified.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 3 and ASME B30.26, ASME B30.10, PAS1061.
- Certified by DGUV GS-MO-15-05
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

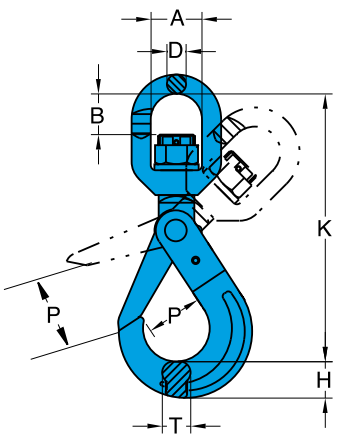
X-P026
For load pin replacement

8-P025T
For trigger replacement

G-100 Clevis Self Locking Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)					N.W.
	mm	tonnes*	A	H	K	P	T	kg
X-026-06	6	1.4	6	19	93	28	15	0.4
X-026-07	7,8	2.5	9	24	119	34	20	0.9
X-026-10	10	4.0	11	30	142	44	26	1.4
X-026-13	13	6.7	14	39	178	51	30	3.0
X-026-16	16	10.0	18	49	213	60	36	5.0
X-026-20	20	16.0	21	65	244	70	53	11.0
X-026-22	22	19.0	24	63	273	80	49	13.5

★ Design factor 4:1 proof tested and certified.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 3 and ASME B30.26, ASME B30.10, PAS1061.
- Certified by DGUV GS-OA-15-05 & DGUV GS-MO-15-05.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

8-P025T

For trigger

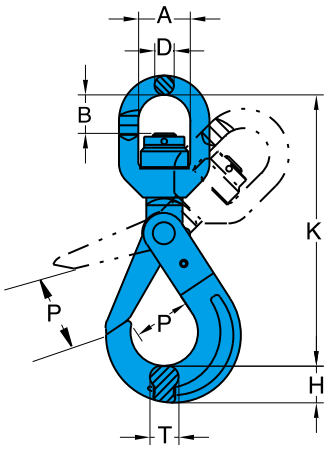
G-100 Swivel Self Locking Hook

With Brass Bushing

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)							N.W.
	mm	tonnes*	A	B	D	H	K	P	T	kg
X-027-06	6	1.4	32	22	12	19	149	28	15	0.7
X-027-07	7,8	2.5	36	29	13	24	186	34	20	1.2
X-027-10	10	4.0	41	34	16	30	218	44	26	2.0
X-027-13	13	6.7	46	43	21	39	276	51	30	4.1
X-027-16	16	10.0	61	50	23	49	329	60	36	7.2
X-027-20	20	16.0	74	82	25	65	387	70	53	13.0
X-027-22	22	19.0	97	95	33	63	457	80	49	20.0
X-027-26	26	26.5	123	115	42	69	535	99	56	33.0

★ Design factor 4:1 proof tested and certified.

⚠ WARNING INFORMATION : This hook is a positioning device and is not intended to rotate under load. For swivel hooks designed to rotate under load, see X-027N.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 3 and ASME B30.26, ASME B30.10, PAS1061.
- Certified by DGUV GS-OA-15-05 & DGUV GS-MO-15-05
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.
- Built with ball bearing and enables full swivel feature under load.

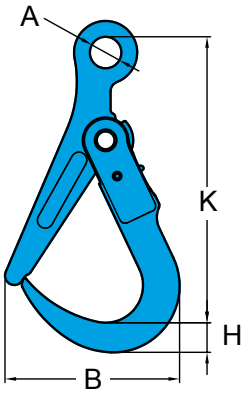
8-P025T
For trigger

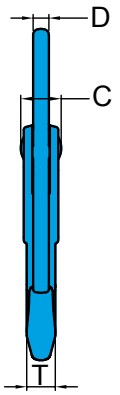
G-100 Swivel Self Locking Hook

with Ball Bearing, which performs full swivel under load.

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)							N.W.
	mm	tonnes*	A	B	D	H	K	P	T	kg
X-027N-06	6	1.4	32	22	12	19	149	28	15	0.7
X-027N-07	7,8	2.5	36	29	13	24	186	34	20	1.2
X-027N-10	10	4.0	41	34	16	30	218	44	26	2.0
X-027N-13	13	6.7	46	43	21	39	276	51	30	4.1
X-027N-16	16	10.0	61	50	23	49	329	60	36	7.2
X-027N-20	20	16.0	74	82	25	65	387	70	53	13.0
X-027N-22	22	19.0	97	95	33	63	457	80	49	20.0
X-027N-26	26	26.5	123	115	42	69	535	99	56	33.0

★ Design factor 4:1 proof tested and certified.





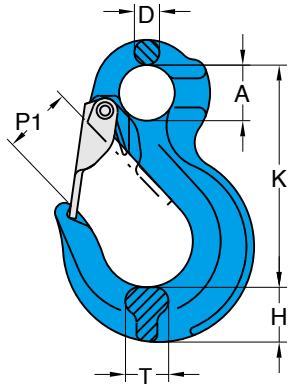
- Quenched and Tempered Alloy Steel.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 5:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

G-100 Super Lock Hook

Item No.	WLL	Dimensions (mm)								N.W.
	tonnes*	A	B	C	D	H	K	P	T	kg
X-019-02	2.0	32	177	41	16	30	290	108	29	3.5
X-019-03	3.0	32	177	41	16	30	290	108	29	3.5

★ Design factor 5:1 proof tested and certified.

WARNING
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 2 and ASME B30.26, ASME B30.10, PAS1061.
- Certified by DGUV GS-OA-15-05 & DGUV GS-MO-15-05
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

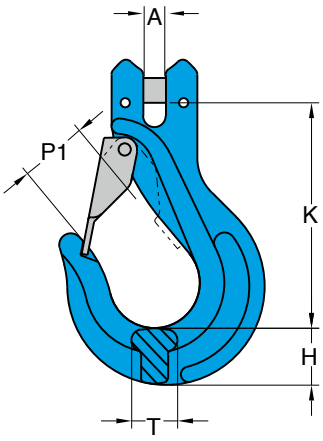
8-P044
Repair kit available

G-100 Eye Sling Hook

with Latch

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)						N.W.
	mm	tonnes*	A	D	H	K	P1	T	kg
X-044/S-06	6	1.4	20	10	19	80	23	17	0.3
X-044/S-07	7,8	2.5	25	12	23	98	28	20	0.5
X-044/S-10	10	4.0	32	15	31	121	36	23	1.0
X-044/S-13	13	6.7	40	18	38	152	40	27	1.8
X-044/S-16	16	10.0	50	22	45	185	44	32	3.4
X-044/S-20	20	16.0	61	27	64	230	54	48	7.3
X-044/S-22	22	19.0	51	31	63	245	76	52	9.3
X-044/S-26	26	26.5	65	35	80	279	77	60	13.5
X-044/S-32	32	40.0	88	40	86	352	114	65	22.0

★ Design factor 4:1 proof tested and certified.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 2 and ASME B30.26, ASME B30.10, PAS1061.
- Certified by DGUV GS-OA-15-05 & DGUV GS-MO-15-05
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

X-P026
For load pin replacement

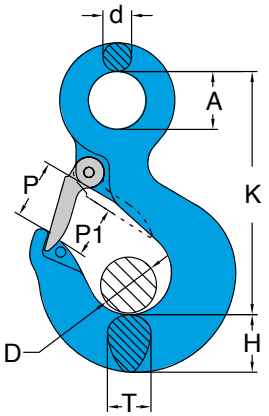
8-P044
For latch replacement

G-100 Clevis Sling Hook

with Latch

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)					N.W.
	mm	tonnes*	A	H	K	P1	T	kg
X-043/S-06	6	1.4	6	23	97	23	15	0.3
X-043/S-07	7,8	2.5	9	22	98	27	18	0.6
X-043/S-10	10	4.0	11	30	122	34	24	1.1
X-043/S-13	13	6.7	14	37	147	44	30	2.3
X-043/S-16	16	10.0	17	42	166	48	39	3.8
X-043/S-20	20	16.0	24	64	207	57	48	8.7
X-043/S-22	22	19.0	25	61	217	73	52	9.5

★ Design factor 4:1 proof tested and certified.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 2 and ASME B30.26.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.


8-P801 For latch replacement

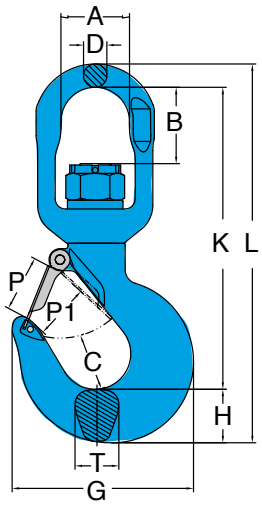
G-100 Alloy Eye Hoist Hook

with Latch

Item No.	Hook Feature Code	For Grade 100 Chain	WLL	Dimensions (mm)								N.W.
		mm	tonnes*	A	D	d	H	K	P	P1	T	kg
8-173-015	BB	6	1.4	23	19	11	21	95	23	19	17	0.4
8-173-02	CC	7,8	2.5	29	20	13	26	106	25	20	21	0.7
8-173-03	DD	10	4.0	32	25	15	29	122	28	25	24	0.9
8-173-05	EE	13	6.7	40	31	18	37	149	36	31	31	2.0
8-173-07	FF	16	10.0	51	38	24	47	192	45	39	37	4.0
8-173-11	GG	20	16.0	62	57	28	58	232	61	67	48	7.0
8-173-15	HH	22	19.0	72	62	32	66	256	68	62	56	9.4
8-173-22	JJ	26	26.5	90	81	40	76	318	92	81	68	18.7

★ Design factor 4:1 proof tested and certified.

⚠
When using hoist hook with grade 100 chain,
YOKE hoist hook is recommended to be grinded the WLL (which is for a safety factor 5:1) off the hook.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 2 and ASME B30.26.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

G-100 Alloy Swivel Hoist Hook

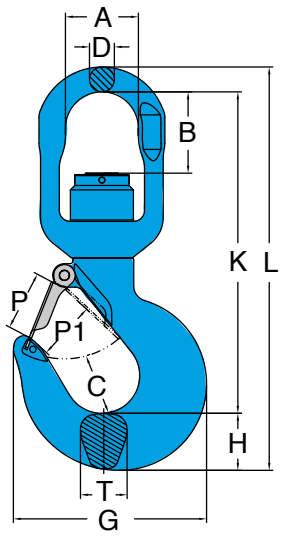
with Brass Washer

Item No.	Hook Feature Code	For Grade 100 Chain	WLL	Dimensions (mm)											N.W.
		mm	tonnes*	A	B	C	D	G	H	K	L	P	P1	T	kg
8-175-015	BB	6	1.4	32	23	25	12	60	21	126	158	24	19	18	0.7
8-175-02	CC	7.8	2.5	35	29	26	13	91	25	143	181	24	20	22	0.9
8-175-03	DD	10	4.0	41	35	29	16	102	29	172	217	28	25	24	1.5
8-175-05	EE	13	6.7	46	44	38	21	130	36	211	288	35	31	31	3.2
8-175-07	FF	16	10.0	61	51	49	23	166	46	258	328	43	39	42	5.7
8-175-11	GG	20	16.0	74	82	62	25	196	56	326	409	61	57	48	9.5
8-175-15	HH	22	19.0	97	96	65	33	221	64	372	471	72	62	56	16.5

★ Design factor 4:1 proof tested and certified.

⚠
When using hoist hook with grade 100 chain, YOKE hoist hook is recommended to be grinded the WLL (which is for a safety factor 5:1) off the hook.

⚠ WARNING INFORMATION:This hook is a positioning device and is not intended to rotate under load. For swivel hooks designed to rotate under load, see 8-175N.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 2 and ASME B30.26.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.
- Built with ball bearing and enables full swivel feature under load.

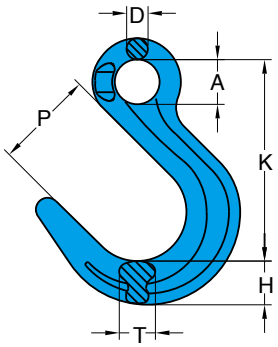
G-100 Alloy Swivel Bearing Hoist Hook

with Ball Bearing, which performs full swivel under load.

Item No.	Hook Feature Code	For Grade 100 Chain	WLL	Dimensions (mm)											N.W.
		mm	tonnes*	A	B	C	D	G	H	K	L	P	P1	T	kg
8-175N-015	BB	6	1.4	32	23	25	12	80	21	126	158	24	19	18	0.7
8-175N-02	CC	7,8	2.5	36	29	26	13	91	25	143	181	24	20	22	0.9
8-175N-03	DD	10	4.0	41	35	29	16	102	29	172	217	28	25	24	1.6
8-175N-05	EE	13	6.7	46	44	38	21	130	36	211	269	35	31	31	3.2
8-175N-07	FF	16	10.0	61	51	49	23	166	46	258	328	43	39	42	5.7
8-175N-11	GG	20	16.0	74	82	62	25	196	58	326	409	61	57	48	9.5
8-175N-15	HH	22	19.0	97	96	65	33	221	64	372	471	72	62	56	16.0

★ Design factor 4:1 proof tested and certified.

⚠
When using hoist hook with grade 100 chain, YOKE hoist hook is recommended to be grinded the WLL (which is for a safety factor 5:1) off the hook.

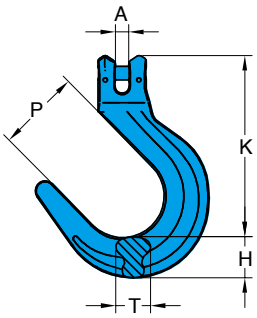


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with DIN PAS 1061 and ASTM A952/A 952M,EN 1677- 1.
- Certified by DGUV GS-OA-15-05 & DGUV GS-MO-15-05
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Not used for general chain sling applications, rather for use where a large throat opening is necessary.
- Before using the hook, check whether hooks without safety latches are allowed to be used for the particular application.

G-100 Eye Foundry Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)						N.W.
	mm	tonnes*	A	D	H	K	P	T	kg
X-047-07	7,8	2.5	24	12	27	123	62	19	0.8
X-047-10	10	4.0	32	15	32	149	74	23	1.6
X-047-13	13	6.7	40	19	39	180	88	32	2.6
X-047-16	16	10.0	50	25	47	213	98	41	4.5
X-047-20	20	16.0	60	26	57	248	113	46	9.3

★ Design factor 4:1 proof tested and certified.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with DIN PAS 1061 and ASTM A952/A 952M,EN 1677- 1.
- Certified by DGUV GS-OA-15-05
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Designed for the assembly of chain slings where wide throat openings are necessary.
- Before using the hook, check whether hooks without safety latches are allowed to be used for the particular application.

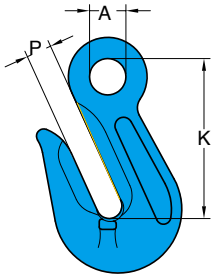
X-P026

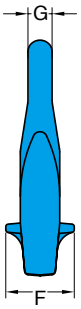
For load pin replacement

G-100 Clevis Foundry Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)					N.W.
	mm	tonnes*	A	H	K	P	T	kg
X-046-07	7,8	2.5	9	27	133	62	19	0.95
X-046-10	10	4.0	11	32	163	74	23	1.8
X-046-13	13	6.7	14	39	200	88	32	3.6
X-046-16	16	10.0	18	47	239	98	41	6.4
X-046-20	20	16.0	21	62	305	113	46	11.2

★ Design factor 4:1 proof tested and certified.



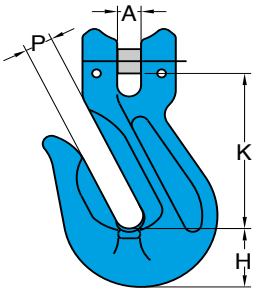


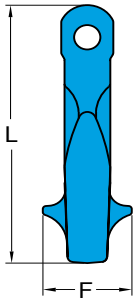
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with DIN 5692, EN 1677-1 and ASTM A952/A 952M.
- Certified by DGUV GS-MO-15-05.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Not for use with Omega Link
- Enables full WLL while in use, thanks to supporting wings which prevent chain link deformation.

G-100 Eye Grab Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)					N.W.
	mm	tonnes*	A	F	G	K	P	kg
X-041-06	6	1.4	13	26	8	50	8	0.2
X-041-07	7,8	2.5	16	30	9	62	10	0.3
X-041-10	10	4.0	20	40	13	82	13	0.6
X-041-13	13	6.7	26	52	16	107	17	1.4
X-041-16	16	10.0	30	57	20	132	21	2.4
X-041-20	20	16.0	40	73	24	147	23	4.0
X-041-22	22	19.0	42	70	26	164	26	5.0
X-041-26	26	26.5	50	100	32	207	33	10.1

★ Design factor 4:1 proof tested and certified.





- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with DIN PAS 1061, EN 1677-1 and ASTM A952/A 952M.
- Certified by DGUV GS-MO-15-05.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Not for use with Omega Link
- Enables full WLL while in use, thanks to supporting wings which prevent chain link deformation.

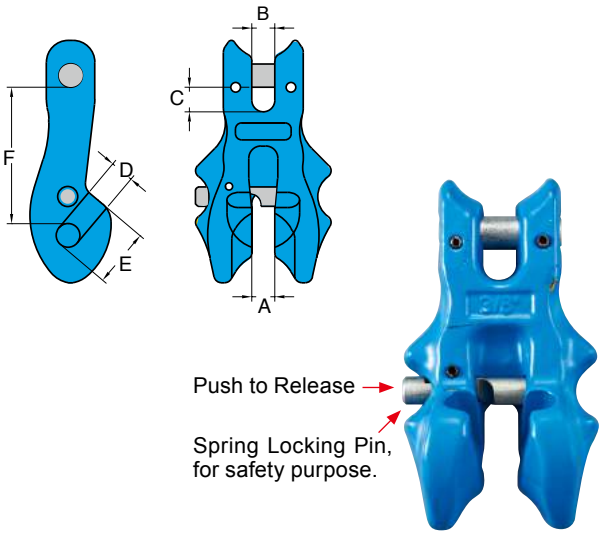
X-P026

For load pin replacement

G-100 Clevis Grab Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)						N.W.
	mm	tonnes*	A	F	H	K	L	P	kg
X-042-06	6	1.4	7	25	18	47	79	8	0.2
X-042-07	7,8	2.5	10	30	22	54	93	10	0.4
X-042-10	10	4.0	11	41	29	77	128	13	0.8
X-042-13	13	6.7	15	52	38	99	165	17	1.6
X-042-16	16	10.0	18	57	45	114	195	21	2.7
X-042-20	20	16.0	22	73	52	130	222	23	4.8
X-042-22	22	19.0	24	70	56	139	247	26	6.4

★ Design factor 4:1 proof tested and certified.

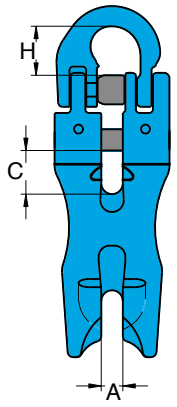


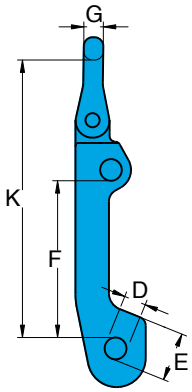
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 1 and ASME B30.26.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- The use of Clevis Clutch still allows 100% of the chain sling capacity.
- With the locking system and spring locking pin design to enhance security and prevent the chains from disengaging.

G-100 Clevis Clutch - Locking Type

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)						N.W.
	mm	tonnes	A	B	C	D	E	F	kg
X-061-06	6	1.4	7	7	10	7	18	50	0.3
X-061-07	7, 8	2.5	10	10	10	10	24	56	0.5
X-061-10	10	4.0	12	12	12	12	28	66	0.9
X-061-13	13	6.7	15	15	16	16	39	88	2.2
X-061-16	16	10.0	18	21	19	19	48	103	3.7
X-061-20	20	16.0	22	23	23	21	55	132	5.8

★ Design factor 4:1 proof tested and certified.





- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 1 and ASME B30.26.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Dual locking pins that provide safer locking mechanism.
- Simple assembling and disassembling without special tool required.

G-100 Shortening Clutch

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)								N.W.
	mm	tonnes	A	C	D	E	F	H	G	K	kg
X-078-07	7, 8	2.5	12	20	10	23	70	22	9	128	0.7
X-078-10	10	4	13	26	12	29	87	26	11	154	1.3
X-078-13	13	6.7	15	33	16	37	115	36	15	203	2.8
X-078-16	16	10	21	39	19	46	143	39	19	248	5.3

★ Design factor 4:1 proof tested and certified.

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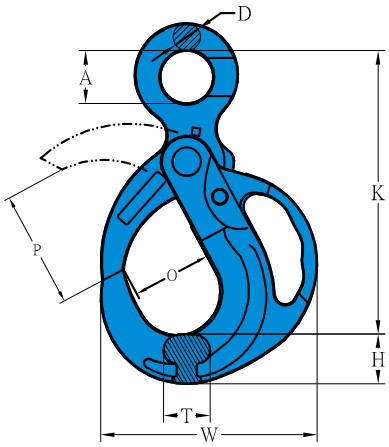
Quality approval by:

TS 0279

Q1 0467

QMS 0726



- Quenched and Tempered Alloy Steel.
- Manufactured in accordance with EN 1677- 1.
- Manufactured in accordance with ASTM A952/A952M, DIN PAS 1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

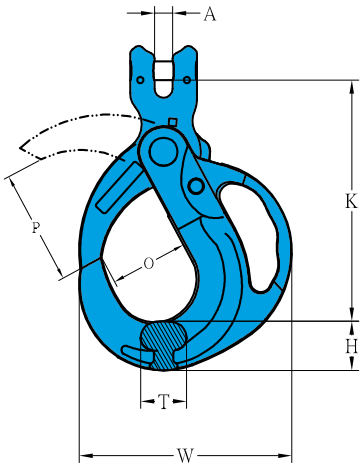
» American Patent

8-P950
For push lock replacement

G-100 Eye Grip Safe Locking Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)								N.W.
	mm	tonnes*	A	D	H	K	O	P	T	W	kg
X-950-10	10	4.0	32	13	31	175	49	71	27	139	1.9
X-950-13	13	6.7	40	16	39	227	57	80	34	174	3.0
X-950-16	16	10.0	50	21	47	277	78	114	39	212	6.3
X-950-20	20	16.0	60	23	56	329	91	127	54	250	11.7
X-950-22	22	19.0	70	24	59	350	105	151	56	260	14.5

★ Design factor 4:1 proof tested and certified



- Quenched and Tempered Alloy Steel.
- Manufactured in accordance with EN 1677- 1.
- Manufactured in accordance with ASTM A952/A952M, DIN PAS 1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

» American Patent

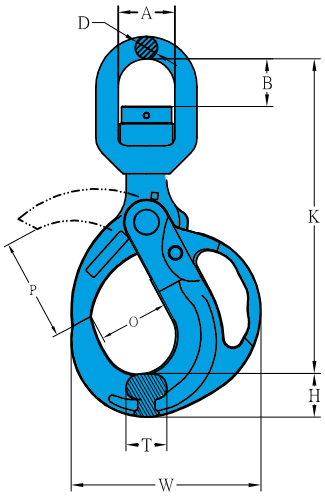
8-P950

For push lock replacement

G-100 Clevis Grip Safe Locking Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)							N.W.
	mm	tonnes*	A	H	K	O	P	T	W	kg
X-951-10	10	4.0	11	31	153	49	71	27	139	1.9
X-951-13	13	6.7	14	39	206	57	80	34	174	4.1
X-951-16	16	10.0	18	47	243	78	114	39	212	6.4
X-951-20	20	16.0	21	56	310	91	127	54	250	12.7
X-951-22	22	19.0	24	59	300	105	151	56	260	14.1

★ Design factor 4:1 proof tested and certified



- Quenched and Tempered Alloy Steel.
- Manufactured in accordance with EN 1677- 1.
- Manufactured in accordance with ASTM A952/A952M, DIN PAS 1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.
- Built with ball bearing and enables full swivel feature under load.

» American Patent

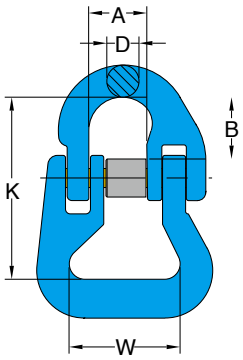
8-P950

For push lock replacement

G-100 Swivel Grip Safe Locking Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)									N.W.
	mm	tonnes*	A	B	D	H	K	O	P	T	W	kg
X-952N-10	10	4.0	41	34	16	31	225	49	71	27	139	2.4
X-952N-13	13	6.7	46	44	21	39	285	57	80	34	174	5.2
X-952N-16	16	10.0	61	50	23	47	345	78	114	39	212	8.4
X-952N-20	20	16.0	74	82	25	56	433	91	127	54	250	14.5
X-952N-22	22	19.0	97	95	33	59	475	105	151	56	260	19.9

★ Design factor 4:1 proof tested and certified

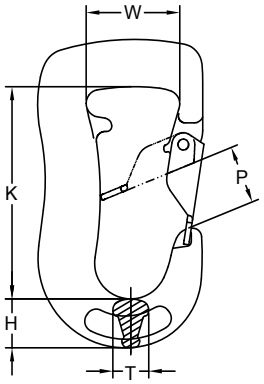


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 1, PAS1061 and ASME B30.26.
- Certified by DGUV GS-OA-15-05.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

G-100 Web Sling Connector

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)					N.W.
	mm	tonnes*	A	B	D	K	W	kg
X-016-06	6	1.4	15	17	7	55	38	0.2
X-016-07	7,8	2.5	18	22	9	62	40	0.3
X-016-10	10	4.0	25	26	11	78	47	0.6
X-016-13	13	6.7	30	35	16	95	53	1.1
X-016-16	16	10.0	36	38	19	115	67	2.0
X-016-20	20	16.0	42	46	22	132	80	3.2
X-016-22	22	19.0	49	59	24	187	125	7.7

★ Design factor 4:1 proof tested and certified.



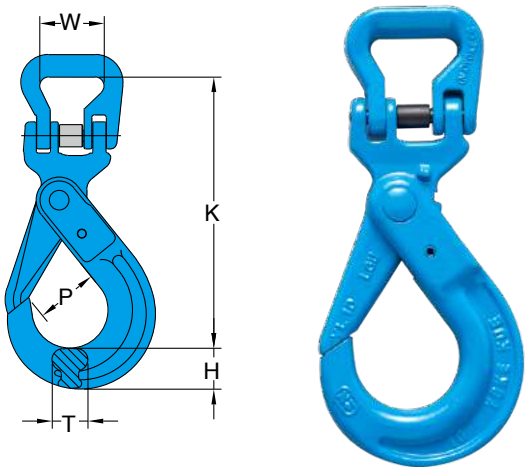
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 1, PAS1061 and ASME B30.26.
- Certified by DGUV GS-OA-15-05.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

1 ton 2 ton 3 ton 5 ton

G-100 Web Sling Hook

Item No.	Color	WLL	Dimensions (mm)					N.W.
		tonnes*	H	K	P	T	W	kg
X-032-01	Violet	1	20	89	25	15	43	0.7
X-032-02	Green	2	27	116	30	20	53	1.5
X-032-03	Yellow	3	32	119	32	26	64	2.4
X-032-05	Red	5	44	145	45	38	61	3.5

★ Design factor 4:1 proof tested and certified.



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 3, PAS1061, ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.10, ASME B30.26 and OHSA 1910.184.
- Certified by DGUV GS-OA-15-05.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

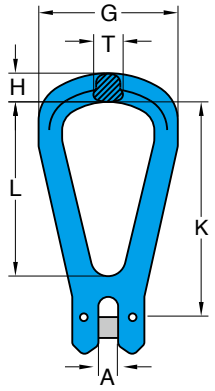
8-P025T

for trigger

G-100 Round Sling Self Locking Hook

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)					N.W.
	mm	tonnes*	H	K	P	T	W	kg
X-028-06	6	1.4	19	138	29	15	38	0.6
X-028-07	7,8	2.5	24	169	34	20	40	1.1
X-028-10	10	4.0	30	196	44	26	47	1.8
X-028-13	13	6.7	39	253	52	30	53	3.9
X-028-16	16	10.0	49	305	60	36	67	6.9
X-028-20	20	16.0	62	328	90	48	80	12.0
X-028-22	22	19.0	63	416	80	49	125	18.6

★ Design factor 4:1 proof tested and certified.

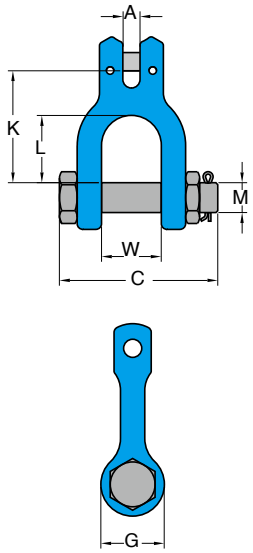


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 1 and ASME B30.26.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

G-100 Clevis Master Link

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)						N.W.
	mm	tonnes*	A	G	H	K	L	T	kg
X-059-07	7,8	2.5	9	65	15	99	80	15	0.4
X-059-10	10	4.0	11	80	18	125	100	19	0.8
X-059-13	13	6.7	14	108	22	168	136	25	1.5
X-059-16	16	10.0	18	124	26	198	158	27	2.4

★ Design factor 4:1 proof tested and certified



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with EN 1677- 1 and ASME B30.26.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 4:1.
- Fatigue rated to 20,000 cycles at 1.5 times the WLL.
- Tempering temperature minimum 400°C
- Magnaflux crack detection is performed 100% on each batch.

G-100 Clevis Shackle

Item No.	For Grade 100 Chain	WLL	Dimensions (mm)							N.W.
	mm	tonnes*	A	C	G	K	L	M	W	kg
X-066-07	7,8	2.5	9	79	34	59	35	16	33	0.4
X-066-10	10	4.0	11	93	40	78	48	20	37	0.8
X-066-13	13	6.7	14	118	44	98	64	22	49	1.4
X-066-16	16	10.0	18	141	54	112	69	28	60	2.5

★ Design factor 4:1 proof tested and certified

G-100 Coupling Pin & Sleeve Set.

for X–015

Item No.	Size		Working Load Limit
	inch	mm	tonnes*
X-P015-06	7/32	6	1.4
X-P015-07	1/4 - 5/16	7	2.5
X-P015-10	3/8	10	4.0
X-P015-13	1/2	13	6.7
X-P015-16	5/8	16	10.0
X-P015-20	3/4	18,20	16.0
X-P015-22	7/8	22	19.0
X-P015-26	1	26	26.5
X-P015-32	1 1/4	32	40.0

Latch Kits.

for 8–044, 8–043, X–044, X–043

Item No.	Size	
	inch	mm
8-P044-06	7/32	6
8-P044-07	1/4 - 5/16	7
8-P044-10	3/8	10
8-P044-13	1/2	13
8-P044-16	5/8	16.0
8-P044-20	3/4	18, 20
8-P044-22	7/8	22
8-P044-26	1	26
8-P044-32	1 1/4	32

G-100 Coupling Pin & C-Sleeve Set.

for X–M015

Item No.	Size		Working Load Limit
	inch	mm	tonnes*
X-PM015-06	7/32	6	1.4
X-PM015-07	1/4 - 5/16	7	2.5
X-PM015-10	3/8	10	4.0
X-PM015-13	1/2	13	6.7
X-PM015-16	5/8	16	10.0
X-PM015-20	3/4	18, 20	16.0
X-PM015-22	7/8	22	19.0
X-PM015-26	1	26	26.5
X-PM015-32	1-1/4	32	40.0

Trigger Kits For Grip Self Locking Hooks

For X–950, X–951, X–952N

Item No.	Size		Working Load Limit
	inch	mm	tonnes*
8-P950-10	3/8	10	4.0
8-P950-13	1/2	13	6.7
8-P950-16	5/8	16	10.0
8-P950-20	3/4	20,22	16.0

G-100 Load Pin Kits

for X–026 , X–042 , X–043 , X–046

Item No.	Size		Working Load Limit
	inch	mm	tonnes*
X-P026-06	7/32	6	1.4
X-P026-07	1/4 - 5/16	7	1.5
X-P026-10	3/8	10	4.0
X-P026-13	1/2	13	6.7
X-P026-16	5/8	16	10.0
X-P026-20	3/4	18, 20	16.0
X-P026-22	7/8	22	19.0

Trigger Kits For Grip Self Locking Hooks

For X–950, X–951, X–952N

Item No.	Size		Working Load Limit
	inch	mm	tonnes*
8-P950-10	3/8	10	4.0
8-P950-13	1/2	13	6.7
8-P950-16	5/8	16	10.0
8-P950-20	3/4	20,22	16.0

Trigger Kits for G80 and G100 Self Locking Hooks

Item No.	Size	
	inch	mm
8-P025-06	7/32	6
8-P025-07	1/4-5/16	7
8-P025-10	3/8	10
8-P025-13	1/2	13
8-P025-16	5/8	16
8-P025-20	3/4	18,20
8-P025-22	7/8	22
8-P025-26	1	26
8-P025-28	1-1/1/8	28

**For G100 size 20mm: X-P025-20

Index by Part No.

Product No.	Repair Kits No.
X-025-06	8-P025-06
X-025-07	8-P025-07
X-025-10	8-P025-10
X-025-13	8-P025-13
X-025-16	8-P025-16
X-025-20	X-P025-20
X-025-22	8-P025-22
X-025-26	8-P025T-26
X-025-28	8-P025-28
8-025-06	8-P025-06
8-025-07	8-P025-07
8-025-10	8-P025-10
8-025-13	8-P025-13
8-025-16	8-P025-16
8-025-20	8-P025T-20
8-025-22	8-P025-22
8-025-26	8-P025T-26
8-025-28	8-P025T-28

New Trigger Kits for Self Locking Hooks size 20mm, 26mm, and 28mm after design change

G80 size 20mm		
Item No.	**Size**	
	inch	mm
8-P025T-20	**3/4**	**18,20**
G80 and G100 size 26mm		
Item No.	**Size**	
	inch	mm
8-P025T-26	1	26
G80 size 28mm		
Item No.	**Size**	
	inch	mm
8-P025T-28	1-1/8	28

DISCOVERY VIDEO

INDEX

By Item. Number

By Product Name

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YOKE INDUSTRIAL CORP.

#39, 33rd Road,

Taichung Industrial Park,

Taichung 407,

TAIWAN

Tel : +886-4-2350-8088

Fax : +886-4-2350-1001

E-mail : info@mail.yoke.net

www.yoke.net

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