

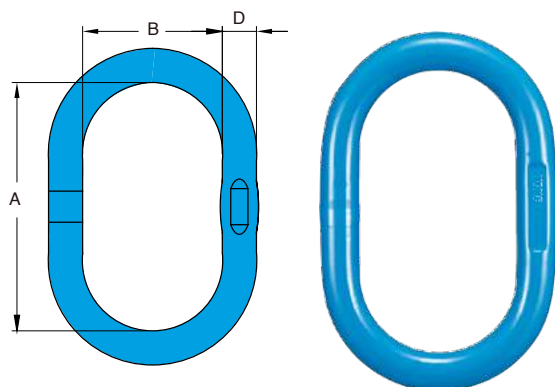
YOKE[®]

Safety is our first priority[™]

EXTREME-100



Catalog No. 8-2018 Extreme-100



- 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 traceability to raw materials.



X-001 Welded Master Link

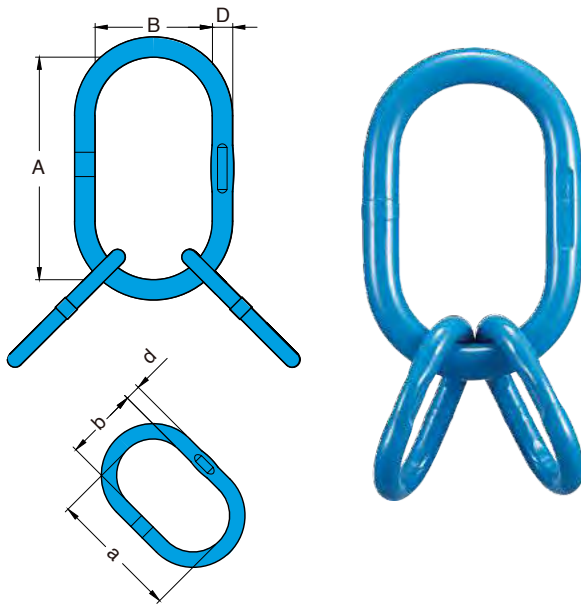
Item No.	Code No.	For Grade 100 Chain (mm)		WLL β 0-45° tonnes	Proof Load kN	Used to single hook according to DIN 15401 No.	Dimensions (mm)			N.W. kg
		1-leg	2-leg				D	A	B	
X-001-13	AD-13	6,7,8	6	2.8	69	2.5	13	120	60	0.4
X-001-16	AD-16	10	7,8	4	98	6	16	160	90	0.7
X-001-19	AD-19	13	10	6.7	164	6	19	160	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



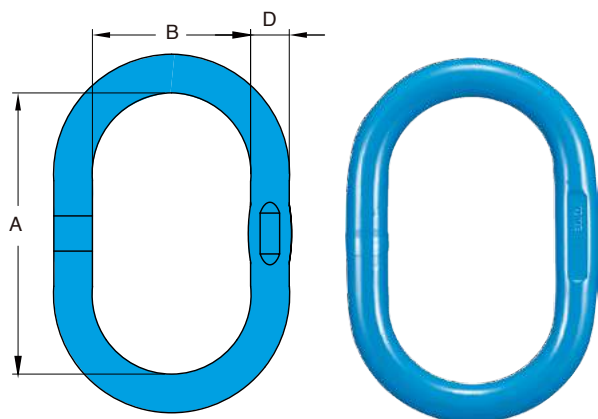
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Certified by DGUV GS-OA-15-05.
- Proof Load tested at 2.5 times the WLL 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 traceability 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.

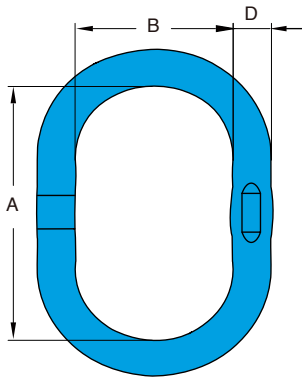


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch 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 traceability to raw materials.

X-002 Welded Master Link

Item No.	Code No.	For Grade 100 Chain (mm)		WLL β 0-45° tonnes	Proof Load kN	Used to single hook according to DIN 15401 No.	Dimensions (mm)			N.W. kg
		1-leg	2-leg				D	A	B	
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.

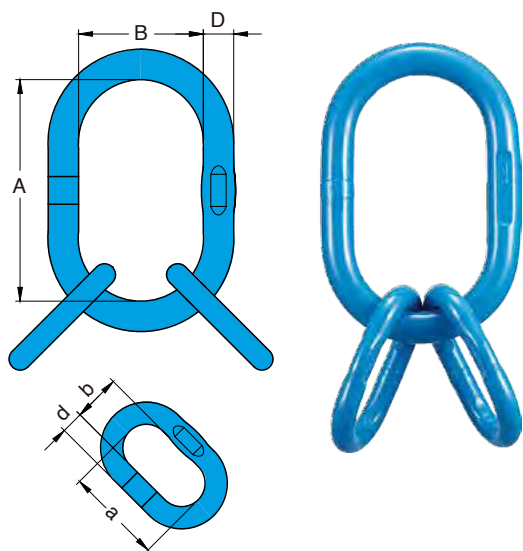


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch 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 traceability to raw materials.

X-002W Welded Master Link

Item No.	Code No.	For Grade 100 Chain (mm)		WLL β 0-45° tonnes	Proof Load kN	Used to single hook according to DIN 15401 No.	Dimensions (mm)			N.W. kg
		1-leg	2-leg				D	A	B	
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.

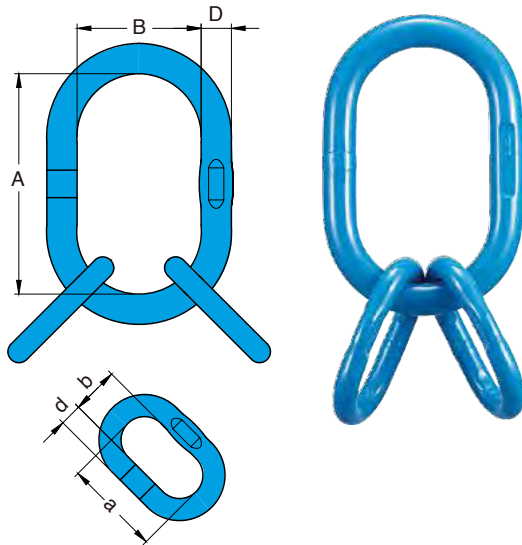


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch 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 traceability to raw materials.

X-006 Welded Master Link Assembly

Item No.	Assembled with	For	WLL	Proof Load	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W.
		Grade 100 Chain (mm)	β 0-45° tonnes			D	A	B	d	a	b	
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.

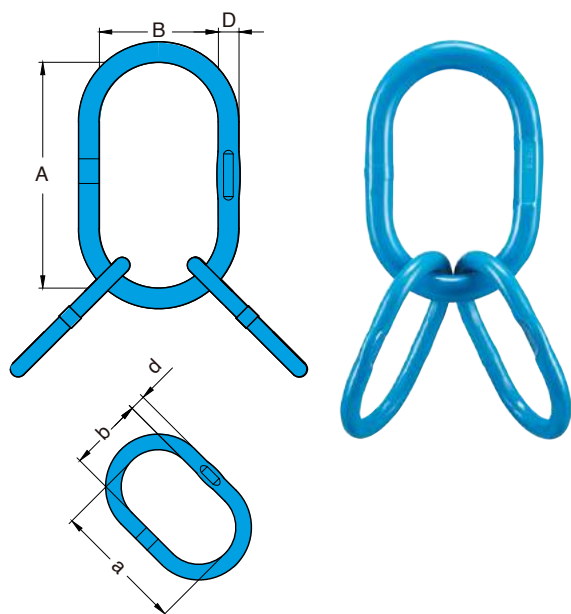


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch 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 traceability 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.

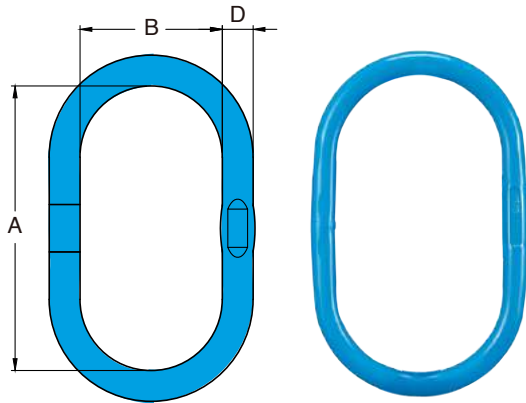


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch 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 traceability to raw materials.

X-006L Welded Master Link Assembly

Item No.	Assembled with	For	WLL β 0-45° tonnes	Proof Load kN	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W. kg
		Grade 100 Chain (mm) 3 and 4-leg				D	A	B	d	a	b	
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.

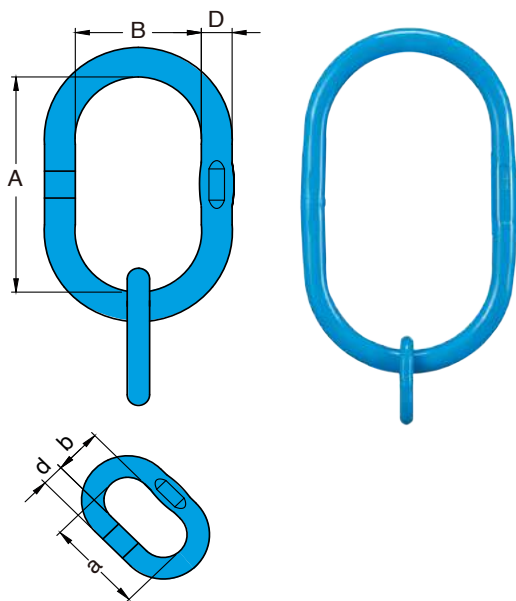


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch 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 traceability 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.

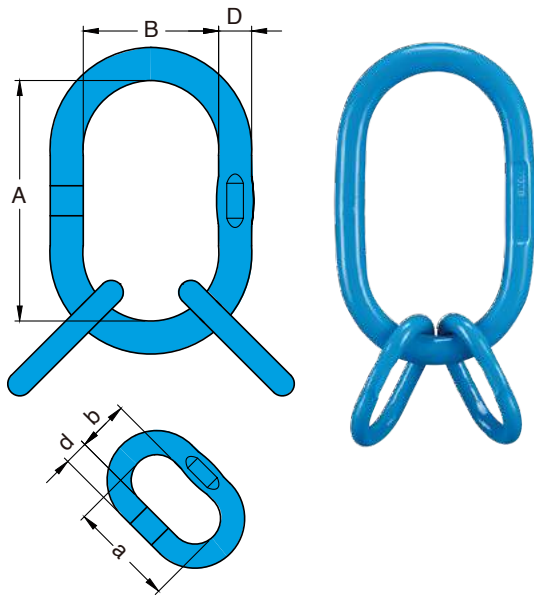


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch 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 traceability 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.

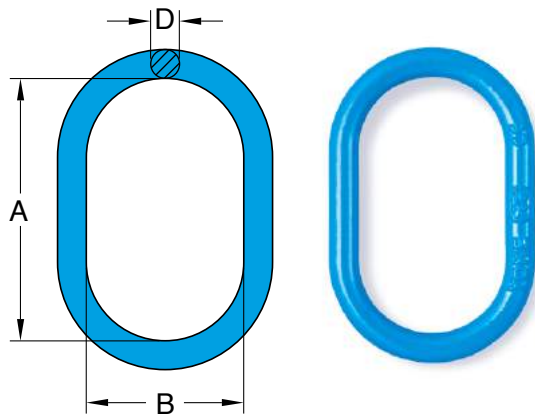


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch 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 traceability to raw materials.

X-0082 Welded Master Link Assembly

Item No.	Assembled with	For Grade 100 Chain (mm)		WLL β 0-45° tonnes	Proof Load kN	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W. kg
		2-leg	4-leg				D	A	B	d	a	b	
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.



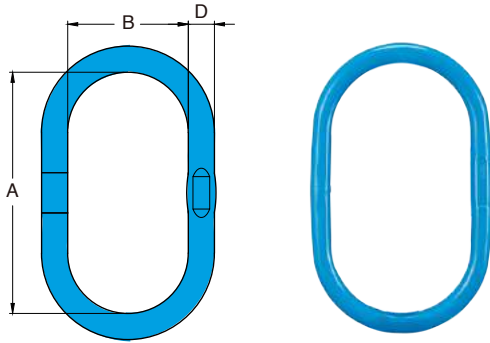
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A906/A906M, ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184, DIN PAS1061.
- Proof Load tested at 2.5 times the WLL with certification for each batch 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 traceability to raw materials.

Forged

G-100 Forged Oblong Master Link

Item No.	For Grade 100 Chain (mm)		WLL β 0-45° tonnes	Proof Load kN	Used to single hook according to DIN 15401 No.	Dimensions (mm)			N.W. kg
	1-leg	2-leg				D	A/W	B	
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 traceability 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° tonnes	Proof Load kN	Dimensions (mm)			N.W. kg
		1-leg	2-leg			D	A	B	
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.

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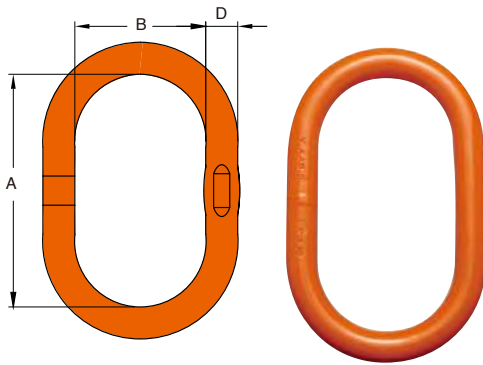
DA™
Offshore Lifting

DNV 2.7-1 TYPE APPROVAL

Offshore Container Lifting Operation



Catalog No. 8-2018 Offshore



- Forged alloy steel, quenched and tempered.
- Tested and manufactured in accordance with DNV 2.7-1, EN 1677-4, ASME B30.26.
- Certified by DNV 2.7-1.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit (WLL).
- Charpy tested in accordance with DNV 2.7-1.
- Proof Load tested to 2.5 times the Working Load Limit (WLL).
- Design factor 5:1.
- Charpy test of 42 joules (31ft. lbs.) at -40°C (-40°F) for normal section.
- Charpy test of 27 joules (20ft. lbs.) at -40°C (-40°F) for welded section.

-40°C

DA Master Link

DNV 2.7-1
(Offshore Containers-Lifting Appliance)



Item No.	Code NO.	WLL β 0-45°	Proof Load	"can be used to single hook according to DIN 15401 NO."	Dimensions (inch)			N.W.
		tonnes	kN		D	A	B	lbs
DA-001-13	FD-13	2.8	69	2.5	0.51	4.72	2.36	0.8
DA-001-16	FD-16	4	98	6	0.63	6.30	3.54	1.6
DA-001-19	FD-19	6.7	164	6	0.75	6.30	3.54	2.4
DA-001-22	FD-22	8.9	218	8	0.87	7.09	3.94	3.6
DA-001-223	FD-223	6.3	142	16	0.87	10.63	5.51	5.0
DA-001-25	FD-25	11.5	282	10	0.98	8.27	4.53	5.3
DA-001-251	FD-251	11.5	282	16	0.98	10.83	5.71	6.7
DA-001-28	FD-28	13	319	16	1.10	10.83	5.71	8.5
DA-001-32	FD-32	17.1	417	16	1.26	10.83	5.71	11.3
DA-001-36	FD-36	24	588	20	1.42	11.22	6.10	15.1
DA-001-40	FD-40	28.1	688	20	1.57	11.81	6.30	19.7
DA-001-45	FD-45	38.3	938	25	1.77	13.39	7.09	28.2
DA-001-50	FD-50	45	1103	32	1.97	13.78	7.68	36.6

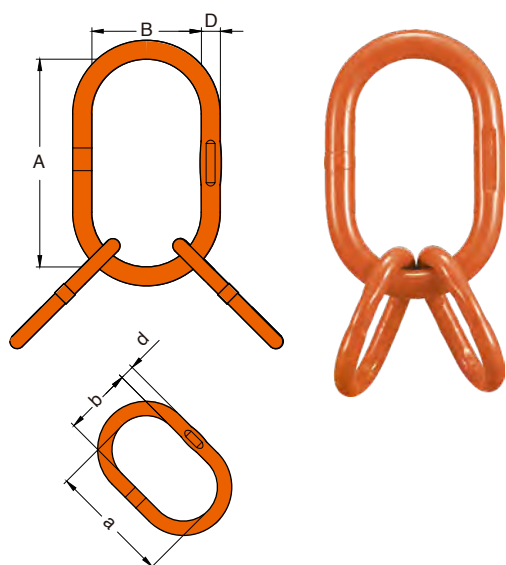
*Welded Master Link *Design Factor 5:1 *Proof tested at 2.5 times the WLL

Item No.	Code NO.	WLL β 0-45°	Proof Load	"can be used to single hook according to DIN 15401 NO."	Dimensions (mm)			N.W.
		tonnes	kN		D	A	B	kg
DA-001-13	FD-13	2.8	69	2.5	13	120	60	0.4
DA-001-16	FD-16	4	98	6	16	160	90	0.7
DA-001-19	FD-19	6.7	164	6	19	160	90	1.1
DA-001-22	FD-22	8.9	218	8	22	180	100	1.6
DA-001-223	FD-223	6.3	142	16	22	270	140	2.3
DA-001-25	FD-25	11.5	282	10	25	210	115	2.4
DA-001-251	FD-251	11.5	282	16	25	275	145	3.1
DA-001-28	FD-28	13	319	16	28	275	145	3.9
DA-001-32	FD-32	17.1	417	16	32	275	145	5.1
DA-001-36	FD-36	24	588	20	36	285	155	6.9
DA-001-40	FD-40	28.1	688	20	40	300	160	8.9
DA-001-45	FD-45	38.3	938	25	45	340	180	12.8
DA-001-50	FD-50	45	1103	32	50	350	195	16.6

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

DA-001-131	FD-131	2.8	69	-	13	90	50	0.3
DA-001-161	FD-161	4	98	-	16	140	70	0.6
DA-001-191	FD-191	6.7	164	-	19	140	70	0.9
DA-001-222	FD-222	8.9	218	-	22	162	90	1.5
DA-001-281	FD-281	13	319	-	28	190	100	2.8
DA-001-282	FD-282	14.5	355	-	28	200	110	3.0
DA-001-361	FD-361	24	588	-	36	275	145	6.6
DA-001-401	FD-401	28.1	688	-	40	260	130	7.8





- Forged alloy steel, quenched and tempered.
- Tested and manufactured in accordance with DNV 2.7-1, EN 1677-4, ASME B30.26.
- Certified by DNV 2.7-1.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit (WLL).
- Charpy tested in accordance with DNV 2.7-1.
- Proof Load tested to 2.5 times the Working Load Limit (WLL).
- Design factor 5:1.
- Charpy test of 42 joules (31ft. lbs.) at -40°C (-40°F) for normal section.
- Charpy test of 27 joules (20ft. lbs.) at -40°C (-40°F) for welded section.

-40°C

DA Master Link Assembly

DNV 2.7-1
(Offshore Containers-Lifting Appliance)



Item No.	Assembled with.	WLL β 0-45°	Proof Load	"can be used to single hook according to DIN 15401 NO."	Dimensions (inch)						N.W.
		tonnes	kN		D	A	B	d	a	b	lbs
DA-007-16	FD-161 +2 FD-131	4.1	100	4	0.63	5.51	2.76	0.51	3.54	1.97	2.7
DA-007-22	FD-222 +2 FD-191	8.9	218	6	0.87	6.38	3.54	0.75	5.51	2.76	7.4
DA-007-221	FD-223 +2 FD-161	6.3	154	16	0.87	10.63	5.51	0.63	5.51	2.76	7.9
DA-007-25	FD-251 +2 FD-19	8.9	218	16	0.98	10.83	5.71	0.75	6.30	3.54	11.5
DA-007-28	FD-28 +2 FD-22	12.9	316	16	1.10	10.83	5.71	0.87	7.09	3.94	15.7
DA-007-281	FD-282 +2 FD-223	14.5	355	10	1.10	7.87	4.33	0.87	5.51	2.76	12.2
DA-007-32	FD-32 +2 FD-25	17	417	16	1.26	10.83	5.71	0.98	8.27	4.53	22.0
DA-007-36	FD-361 +2 FD-281	23.6	578	16	1.42	10.83	5.71	1.10	7.48	3.94	26.9
DA-007-40	FD-40 +2 FD-32	28.1	688	20	1.57	11.81	6.30	1.26	10.83	5.71	42.4
DA-007-45	FD-45 +2 FD-36	38.3	938	25	1.77	13.39	7.09	1.42	11.22	6.10	58.4
DA-007-50	FD-50 +2 FD-401	45	1103	32	1.97	13.78	7.68	1.57	10.24	5.12	71.1

*Welded Master Link

*Design Factor 5:1

*Proof tested at 2.5 times the WLL

Item No.	Assembled with.	WLL β 0-45°	Proof Load	"can be used to single hook according to DIN 15401 NO."	Dimensions (mm)						N.W.
		tonnes	kN		D	A	B	d	a	b	kg
DA-007-16	FD-161 +2 FD131	4.1	100	4	16	140	70	13	90	50	1.2
DA-007-22	FD-222 +2 FD191	8.9	216	6	22	162	90	19	140	70	3.3
DA-007-221	FD-223 +2 FD161	6.3	154	16	22	270	140	16	140	70	3.6
DA-007-25	FD-251 +2 FD-19	8.9	218	16	25	275	145	19	160	90	5.2
DA-007-28	FD-28 +2 FD-22	12.9	316	16	28	275	145	22	180	100	7.1
DA-007-281	FD-282 +2 FD-223	14.5	355	10	28	200	110	22	140	70	5.5
DA-007-32	FD-32 +2 FD-25	17	417	16	32	275	145	25	210	115	10.0
DA-007-36	FD-361 +2 FD-281	23.6	578	16	36	275	145	28	190	100	12.2
DA-007-40	FD-40 +2 FD-32	28.1	688	20	40	300	160	32	275	145	19.2
DA-007-45	FD-45 +2 FD-36	38.3	938	25	45	340	180	36	285	155	26.5
DA-007-50	FD-50 +2 FD-401	45	1103	32	50	350	195	40	260	130	32.3

*Welded Master Link

*Design Factor 5:1

*Proof tested at 2.5 times the WLL



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