



Safety is our first priority™



Quality Management System and Product Type Approval:



API Spec Q1
Registered
Q1 0467



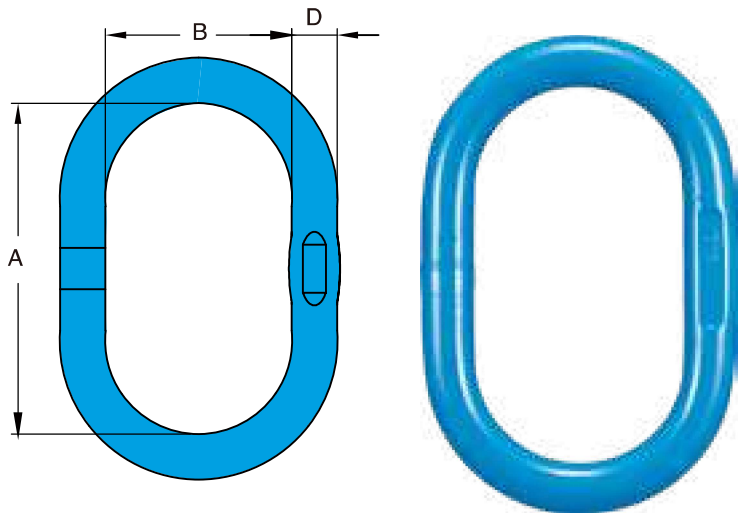
QMS 0726



Industrial Membership:



General Catalog No. 8-2023



- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 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 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.



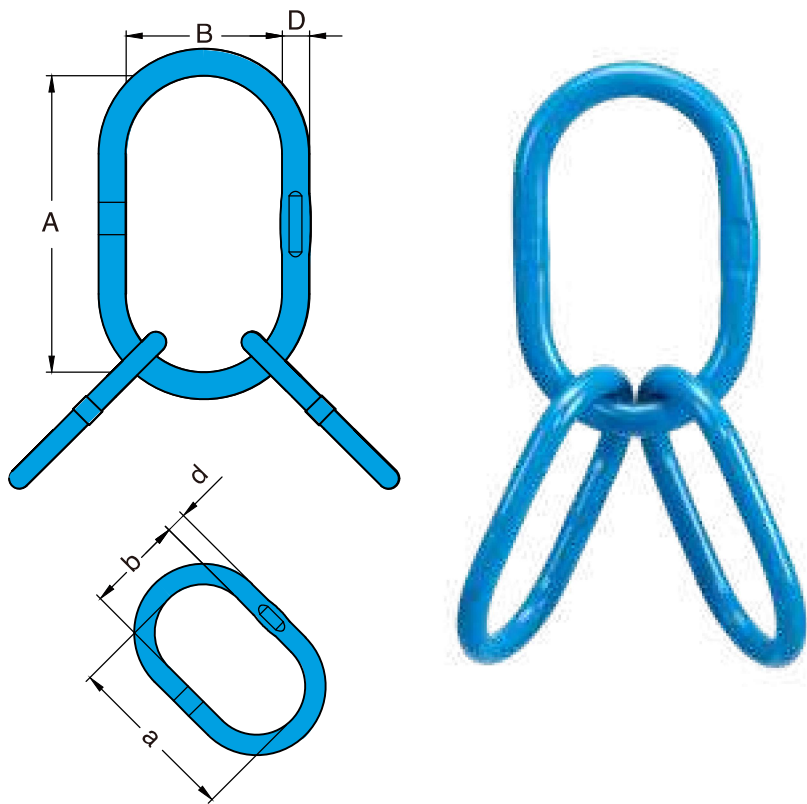
X-001 Welded Master Link

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	4.0	98	6.0	16	160	90	0.7
X-001-19	AD-19	13	10	6.7	164	6.0	19	160	90	1.1
X-001-22	AD-22	13	10	8.9	208	8.0	22	180	100	1.6
X-001-25	AD-25	16	13	11.5	282	10.0	25	210	115	2.4
X-001-251	AD-251	16	13	11.5	282	16.0	25	275	145	3.1
X-001-28	AD-28	16	13	13.0	319	16.0	28	275	145	3.9
X-001-281	AD-281	16	13	13.0	319	8.0	28	190	100	2.8
X-001-32	AD-32	20	16	17.1	417	16.0	32	275	145	5.1
X-001-36	AD-36	22	20	24.0	588	20.0	36	285	155	6.9
X-001-40	AD-40	26	22	28.1	688	20.0	40	300	160	8.9
X-001-45	AD-45	26	26	38.3	938	25.0	45	340	180	12.8
X-001-50	AD-50	32	26	45.0	1103	32.0	50	350	195	16.6

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

X-001-161	AD-161	10	7,8	4.0	98	-	16	140	70	0.6
X-001-361	AD-361	22	20	24.0	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	65.0	1593	-	60	410	220	27.9
X-001-701	AD-701	-	-	85.0	2083	-	70	400	200	37.7

★ Design factor 5:1 proof tested and certified.



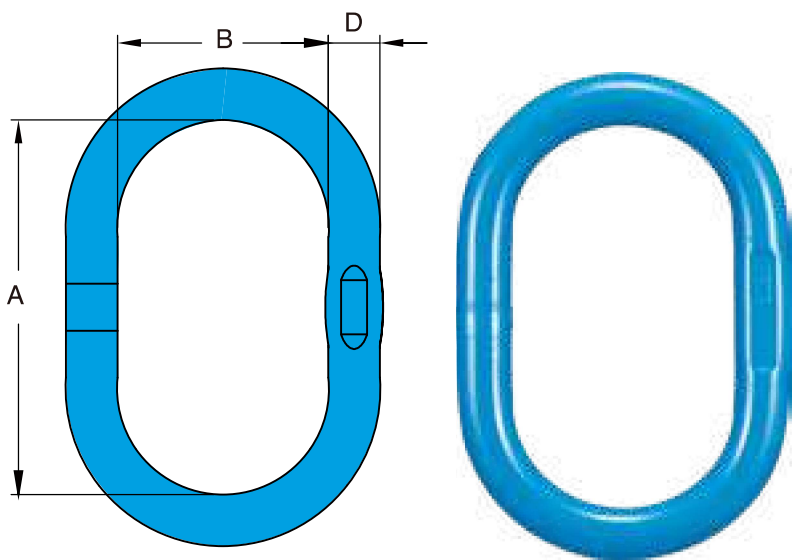
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184.
- Certified by DGUV GS-OA-15-05.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 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	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-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	17.0	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	45.0	1103	32	50	350	195	40	260	130	33.9

★ Design factor 5:1 proof tested and certified.

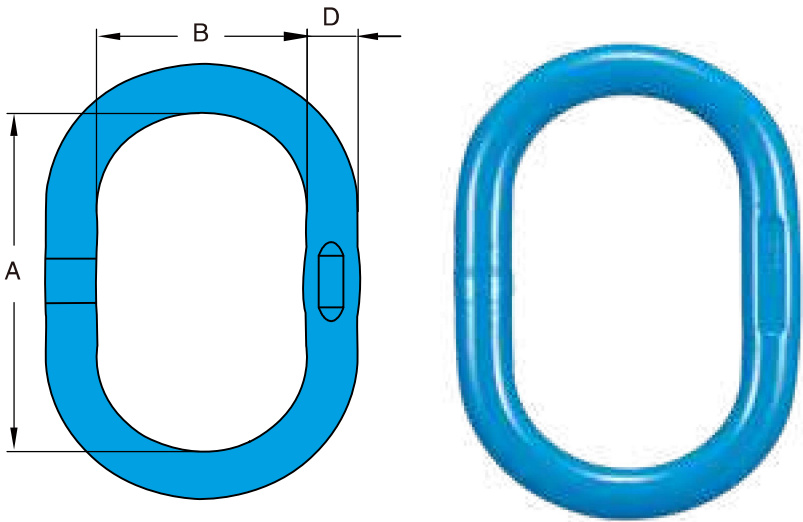


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 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	4.0	98	2.5	16	110	60	0.5
X-002-19	BD-19	13	10	6.7	164	5.0	19	135	75	0.9
X-002-22	BD-22	13	10	8.5	208	6.0	22	160	90	1.5
X-002-28	BD-28	16	13	11.5	282	8.0	28	180	100	2.7
X-002-32	BD-32	20	16	17.0	417	10.0	32	200	110	3.9
X-002-36	BD-36	22	20	25.1	615	16.0	36	260	140	6.3
X-002-45	BD-45	26	22	38.3	938	25.0	45	300	180	11.8
X-002-50	BD-50	32	26	45.0	1103	32.0	50	300	200	15.2

★ Design factor 4:1 proof tested and certified.

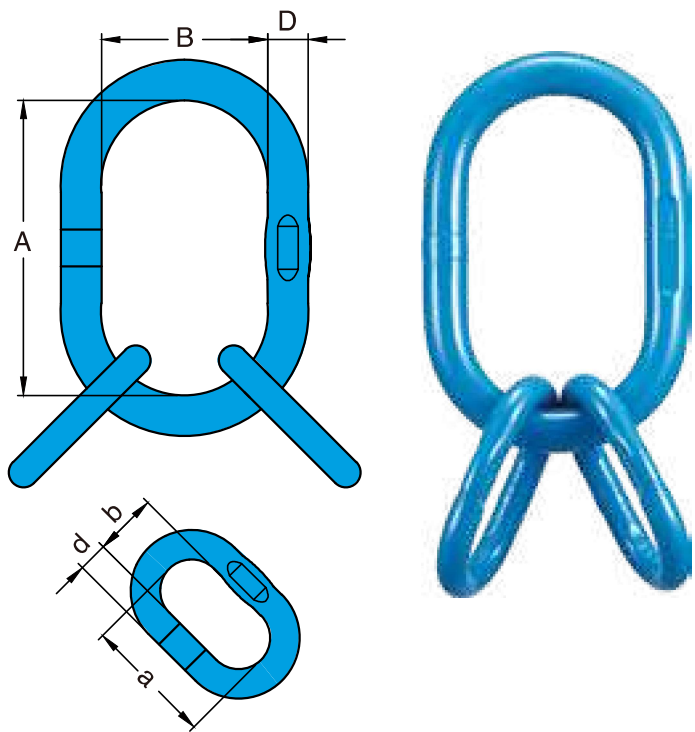


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26,EN 1677-4 and OSHA 1910.184.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 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	4.0	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	17.0	417	12	32	230	130	4.5
X-002W-36	CD-36	22	20	25.1	615	20	36	275	150	6.7

★ Design factor 4:1 proof tested and certified.

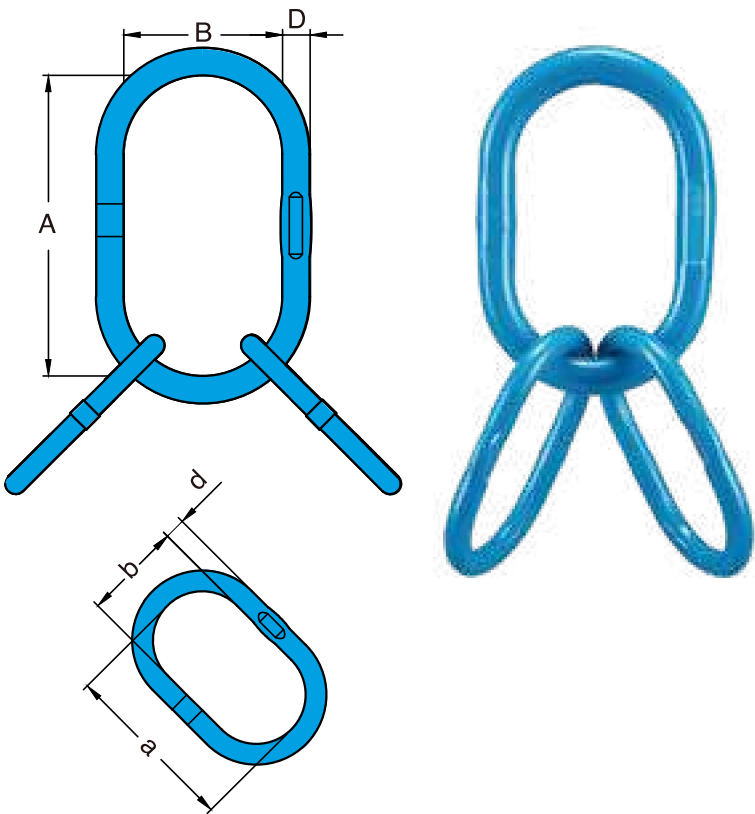


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 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 Grade 100 Chain (mm)	WLL β 0-45°	Proof Load kN	Used to single hook according to DIN 15401 No.	Dimensions (mm)						N.W. kg
		3 and 4-leg	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	40.0	980	32	50	300	200	36	170	75	23.8

★ Design factor 4:1 proof tested and certified.

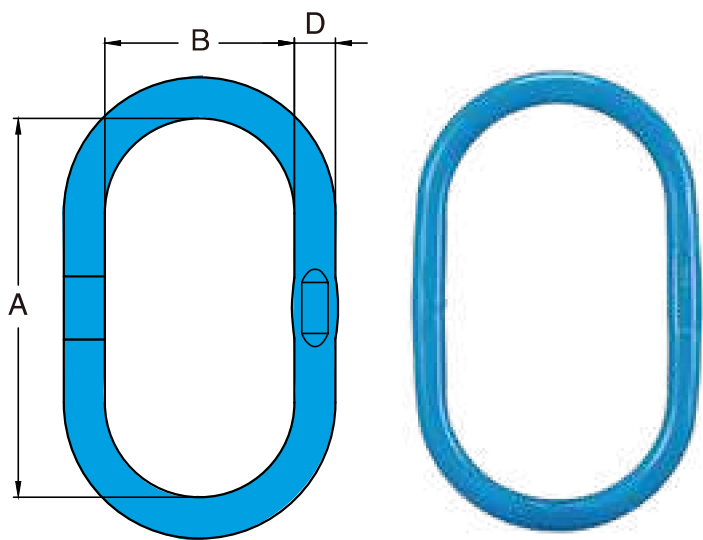


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor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

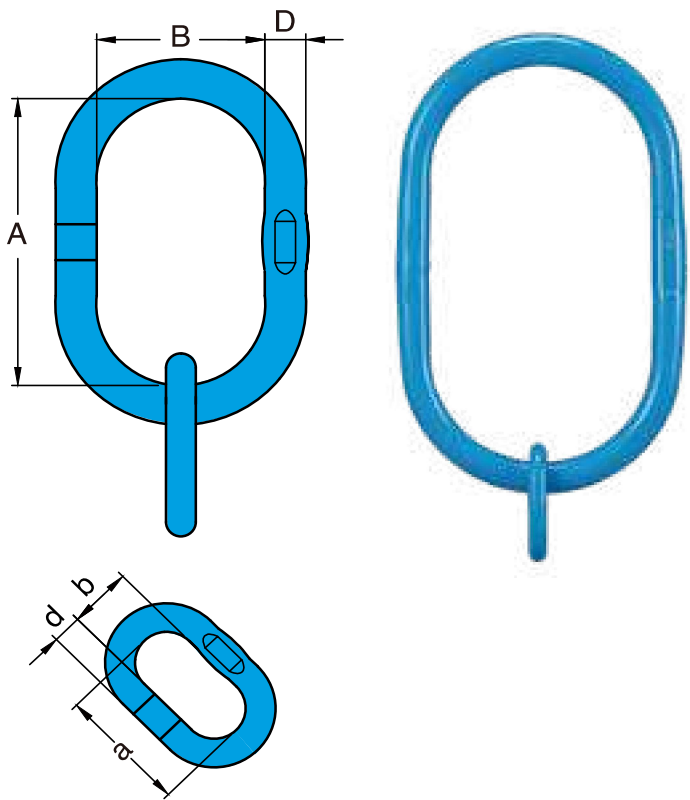


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 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	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) 1-leg				D	A	B	
X-0080-28	ED-28	13	6.7	164	25	28	340	180	4.7
X-0080-32	ED-32	16	10.0	245	25	32	340	180	6.2
X-0080-40	ED-40	20,22	19.0	466	25	40	340	180	10.0

★ Design factor 4:1 proof tested and certified.

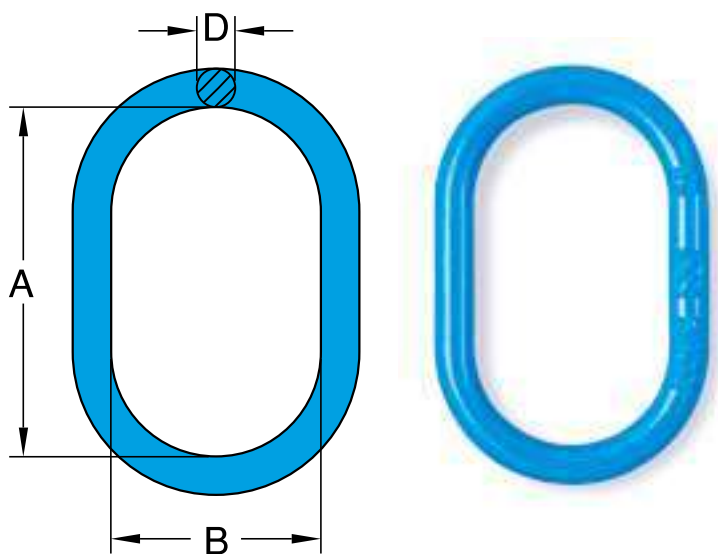


- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 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	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) 1-leg				D	A	B	d	a	b	
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	4.0	98	25	28	340	180	16	70	34	5.4

★ Design factor 4:1 proof tested and certified.



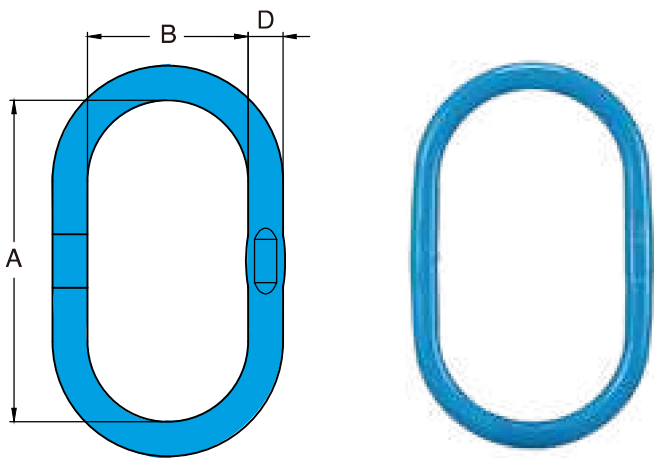
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26, EN 1677-4 and OSHA 1910.184.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 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	B	
X-003-06	6	-	1.4	34	2.5	11	100	60	0.2
X-003-0806	7,8	6	2.9	71	4.0	14	120	70	0.5
X-003-1008	10	7, 8	5.3	130	5.0	17	140	80	0.7
X-003-13	13	-	6.7	164	6.0	19	150	90	1.1
X-003-1310	13	10	8.4	206	6.0	22	160	95	1.5
X-003-16	16	-	10.0	245	10.0	25	190	110	2.3
X-003-1613	16	13	14.1	345	8.0	28	180	105	2.7
X-003-19	19,20	-	16.0	392	10.0	30	200	120	3.5
X-003-2216	22	16	21.0	515	16.0	34	240	140	5.3
X-003-26	26	-	26.5	649	16.0	38	250	150	7.4
X-003-2619	26	19, 20	33.6	823	16.0	40	250	150	8.3
X-003-3222	32	22	39.9	978	25.0	45	300	180	12.3

★ Design factor 4:1 proof tested and certified.



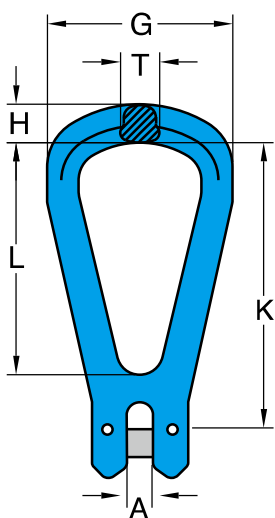
- Quenched and Tempered Alloy Steel.
- At least 25% greater WLL than traditional G80 products.
- Manufactured in accordance with ASTM A952/A952M, ASME B30.9, ASME B30.26 ,EN 1677-4,and OSHA 1910.184.
- Proof Load tested at 2.5 times the WLL with certification for each batch manufactured.
- Design Factor 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 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	4.0	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	10.0	245	19	85	40	0.6
X-004-22	DD-22	20	13	14.0	343	22	115	50	1.1
X-004-28	DD-28	22	16	19.0	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	31.0	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	64.0	1568	50	200	100	10.3

★ 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 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.

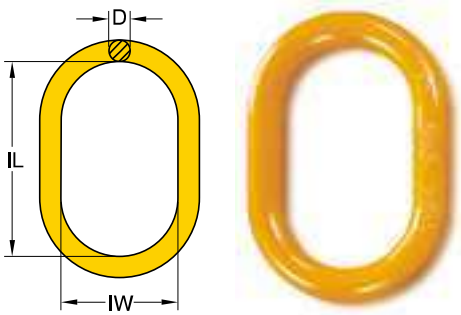
G-100 Single leg Clevis Master Link

Item No.	For Grade 100 Chain	WLL tonnes*	Dimensions (mm)						N.W.
	mm		A	G	H	K	L	T	kg
X-059-07	7,8	2.5	10	65	15	103	83	19	0.4
X-059-10	10	4.0	11	96	19	133	108	19	0.8
X-059-13	13	6.7	15	108	22	168	136	25	1.5
X-059-16	16	10.0	18	124	26	203	165	27	2.4

★ Design factor 4:1 proof tested and certified

Oblong Master Link.

Connected to Chain with "YA" connecting link.



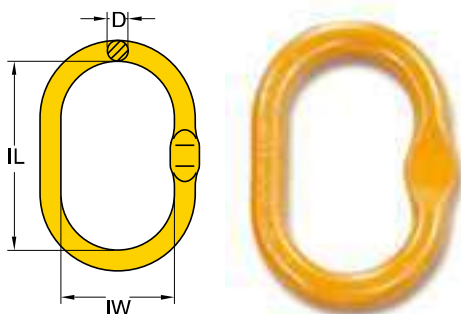
Extra width inside
allows better works
on large crane hooks.

Item No.		WLL β 0-45° tonnes*	For Grade 80 Chain(mm)		Dimensions (mm)			N.W. kg
			1 Leg	2 Leg	D	IL	IW	
8-003-06	※	1.25	6	--	11	100	60	0.2
8-003-0806	※	2.5	7, 8	6	14	120	70	0.4
8-003-1008	※	4.0	10	7, 8	17	140	80	0.7
8-003-13	※	5.4	13	--	19	150	90	1.1
8-003-1310	※	7.5	13	10	22	160	95	1.5
8-003-16	※	10.0	16	--	25	190	110	2.2
8-003-1613	※	10.0	16	13	28	180	105	2.8
8-003-19	※	12.0	19, 20	--	30	200	120	3.8
8-003-2216	※	17.0	22	16	34	240	140	5.5
8-003-26	※	25.0	26	--	38	250	150	7.0
8-003-2619	※	28.0	26	19, 20	40	250	150	8.0
8-003-3222	※	37.0	32	22	45	300	180	12.7

※ Forged Oblong Master Links.
Design factor 4:1 proof tested and certified Tested acc. to EN 1677

Oblong Master Link with Flat.

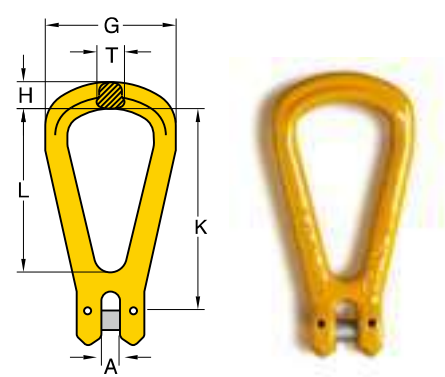
Connected to Chain with "YO" Omega Link.



Item No.		WLL β 0-45° tonnes*	For Grade 80 Chain(mm)		Dimensions (mm)			N.W. kg
			1 Leg	2 Leg	D	IL	IW	
8-003F-06	※	1.25	6	--	11	100	60	0.2
8-003F-0806	※	2.5	7, 8	6	14	120	70	0.4
8-003F-1008	※	4.0	10	7, 8	17	140	80	0.7
8-003F-1310	※	7.5	13	10	22	160	95	1.5
8-003F-1613	※	10.0	16	13	28	184	105	2.8
8-003F-2216	※	17.0	20	16	34	245	140	5.3
8-003F-2619	※	25.0	--	19, 20	40	250	150	8.0

※ Forged Oblong Master Links.
★ Design factor 4:1 Proof tested and certified
WLL=Working Load Limit Tested acc. to EN 1677

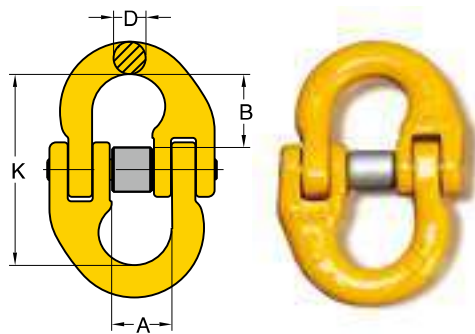
Clevis Master Link.



Item No.	Working Load Limit tonnes*	For Grade 80 Chain	Dimensions (mm)						N.W.
		mm	A	G	H	K	L	T	kg
8-059-07	2.0	7, 8	10	65	15	103	83	19	0.4
8-059-10	3.15	10	11	96	19	133	108	19	0.8
8-059-13	5.3	13	15	108	22	168	136	25	1.5
8-059-16	8.0	16	18	124	26	203	165	27	2.4

★ Design factor 4:1 proof tested and certified
Tested acc. to EN 1677

Connecting Link

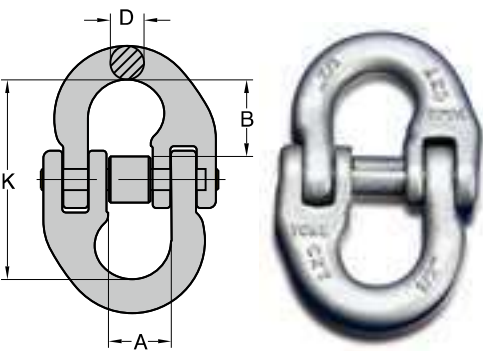


Item No.	Working Load Limit tonnes*	For Grade 80 Chain	Dimensions (mm)				N.W.
		mm	A	B	D	K	kg
8-015-06	1.12	6	15	17	7	45	0.1
8-015-07	2.0	7, 8	18	22	9	58	0.2
8-015-10	3.15	10	26	27	11	69	0.3
8-015-13	5.3	13	30	37	15	91	0.7
8-015-16	8.0	16	36	39	19	101	1.1
8-015-20	12.5	18, 20	42	46	22	122	1.9
8-015-22	15.0	22	49	59	24	152	3.0
8-015-26	21.2	26	55	63	30	164	5.0
8-015-32	31.5	32	69	79	36	203	9.0

★ Design factor 4:1 proof tested and certified
Tested acc. to EN 1677

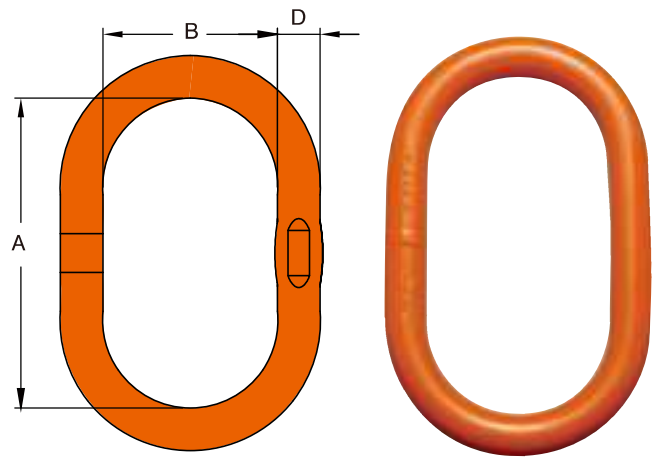
Connecting Link

Dacromet® Surface Finish.**



Item No.	Working Load Limit tonnes*	For Grade 80 Chain	Dimensions (mm)				N.W.
		mm	A	B	D	K	kg
8-M015-06	1.12	6	15	17	7	45	0.1
8-M015-07	2.0	7, 8	18	24	9	58	0.16
8-M015-10	3.15	10	26	28	11	69	0.3
8-M015-13	5.3	13	30	38	15	91	0.7
8-M015-16	8.0	16	36	41	19	101	1.2
8-M015-20	12.5	18, 20	42	50	22	122	1.9
8-M015-22	15.0	22	49	63	24	152	3.0
8-M015-26	21.2	26	55	66	30	164	4.6
8-M015-32	31.5	32	69	85	36	203	8.5

★ Design factor 4:1 proof tested and certified
Tested acc. to EN 1677



- Welded alloy steel, quenched and tempered.
- Tested and manufactured in accordance with DNV GL ST-2.7-1, EN 1677-4, ASME B30.26.
- Certified by DNV GL ST-2.7-1.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit (WLL).
- Charpy tested in accordance with DNV GL ST-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.

DA Master Link

DNV GL ST-2.7-1
(Offshore Containers)



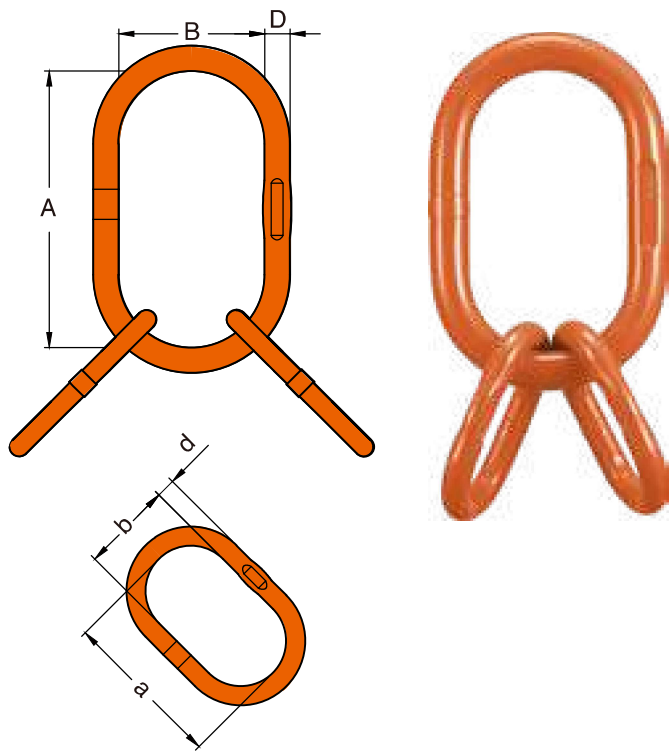
Item No.	Code NO.	WLL	Proof Load	"can be used to single hook according to DIN 15401 NO."	Dimensions (inch)			N.W.
		β 0-45° tonnes			D	A	B	lbs
DA-001-13	FD-13	2.8	69	2.5	0.51	4.72	2.36	0.8
DA-001-16	FD-16	4.0	98	6.0	0.63	6.30	3.54	1.6
DA-001-19	FD-19	6.7	164	6.0	0.75	6.30	3.54	2.4
DA-001-22	FD-22	8.9	218	8.0	0.87	7.09	3.94	3.6
DA-001-223	FD-223	6.3	154	16.0	0.87	10.63	5.51	5.0
DA-001-25	FD-25	11.5	282	10.0	0.98	8.27	4.53	5.3
DA-001-251	FD-251	11.5	282	16.0	0.98	10.83	5.71	6.7
DA-001-28	FD-28	13.0	319	16.0	1.10	10.83	5.71	8.5
DA-001-32	FD-32	17.1	419	16.0	1.26	10.83	5.71	11.3
DA-001-36	FD-36	24.0	588	20.0	1.42	11.22	6.10	15.1
DA-001-40	FD-40	28.1	688	20.0	1.57	11.81	6.30	19.7
DA-001-45	FD-45	38.3	938	25.0	1.77	13.39	7.09	28.2
DA-001-50	FD-50	45.0	1103	32.0	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	Proof Load	"can be used to single hook according to DIN 15401 NO."	Dimensions (mm)			N.W.
		β 0-45° tonnes			D	A	B	kg
DA-001-13	FD-13	2.8	69	2.5	13	120	60	0.4
DA-001-16	FD-16	4.0	98	6.0	16	160	90	0.7
DA-001-19	FD-19	6.7	164	6.0	19	160	90	1.1
DA-001-22	FD-22	8.9	218	8.0	22	180	100	1.6
DA-001-223	FD-223	6.3	154	16.0	22	270	140	2.3
DA-001-25	FD-25	11.5	282	10.0	25	210	115	2.4
DA-001-251	FD-251	11.5	282	16.0	25	275	145	3.1
DA-001-28	FD-28	13.0	319	16.0	28	275	145	3.9
DA-001-32	FD-32	17.1	419	16.0	32	275	145	5.1
DA-001-36	FD-36	24.0	588	20.0	36	285	155	6.9
DA-001-40	FD-40	28.1	688	20.0	40	300	160	8.9
DA-001-45	FD-45	38.3	938	25.0	45	340	180	12.8
DA-001-50	FD-50	45.0	1103	32.0	50	350	195	16.6

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

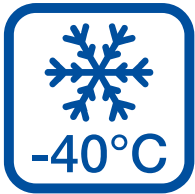
DA-001-131	FD-131	2.8	69	1.6	13	90	50	0.3
DA-001-161	FD-161	4.0	98	4.0	16	140	70	0.6
DA-001-191	FD-191	6.7	164	4.0	19	140	70	0.9
DA-001-221	FD-221	8.9	218	6.0	22	140	70	1.3
DA-001-222	FD-222	8.9	218	6.0	22	162	90	1.5
DA-001-281	FD-281	13.0	319	8.0	28	190	100	2.8
DA-001-282	FD-282	14.5	355	10.0	28	200	110	3.0
DA-001-361	FD-361	24.0	588	16.0	36	275	145	6.6
DA-001-401	FD-401	28.1	688	12.0	40	260	130	7.8



- Welded alloy steel, quenched and tempered.
- Tested and manufactured in accordance with DNV GL ST-2.7-1, EN 1677-4, ASME B30.26.
- Certified by DNV GL ST-2.7-1.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit (WLL).
- Charpy tested in accordance with DNV GL ST-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.

DA Master Link Assembly

DNV GL ST-2.7-1
(Offshore Containers)



Item No.	Assembled with.	WLL β 0-45° tonnes	Proof Load kN	"can be used to single hook according to DIN 15401 NO."	Dimensions (inch)						N.W. lbs
					D	A	B	d	a	b	
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-221	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	17.0	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	45.0	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° tonnes	Proof Load kN	"can be used to single hook according to DIN 15401 NO."	Dimensions (mm)						N.W. kg
					D	A	B	d	a	b	
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	218	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-221	14.5	355	10	28	200	110	22	140	70	5.5
DA-007-32	FD-32 +2 FD-25	17.0	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	45.0	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