

Grade 60 Working Load Limit Table

Cromox Grade 60 Ring and Hook-Ended slings similar DIN 5688 - 1*

	1 Leg		2 Leg				3 Leg	4 Leg
Chain size mm**	Direct 0°	Tied 0°	Direct 0°-45°	Choke 0°-45°	Direct 45°-60°	Choke 45°-60°	Direct 0°-45°	Direct 45°-60°
4	0.40	0.30	0.55	0.45	0.40	0.30	0.80	0.60
5	0.63	0.50	0.85	0.70	0.63	0.50	1.30	0.90
6	0.90	0.70	1.25	1.00	0.90	0.70	1.90	1.35
7	1.25	1.00	1.75	1.40	1.25	1.00	2.65	1.85
8	1.55	1.20	2.15	1.70	1.55	1.20	3.25	2.30
10	2.45	1.95	3.45	2.70	2.45	1.95	5.15	3.65
13	3.85	3.05	5.40	4.30	3.85	3.05	8.15	5.75
16 (G5)	5.00	4.00	7.00	5.60	5.00	4.00	10.50	7.50
18 (G5)	7.00	5.60	9.80	7.80	7.00	5.60	14.80	10.50

The above-mentioned working load limits correspond approximately to the following load factors:

1.00	0.80	1.40	1.12	1.00	0.80	2.10	1.50
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Cromox Grade 60 Endless Chain Slings

Chain size mm**	Direct 0° single	Direct 0° double	Tied 0° single	Tied 0° double
4	0.80	1.60	0.60	1.25
5	1.26	2.50	1.00	2.00
6	1.80	3.60	1.45	2.85
7	2.50	5.00	2.00	4.00
8	3.10	6.20	2.45	4.95
10	4.90	9.80	3.90	7.80
13	7.70	15.40	6.20	12.30
16 (G5)	10.00	20.00	8.00	16.00
18 (G5)	14.00	28.00	11.20	22.40

Cromox Grade 60 Basket Chain Sling with Master Link

	0°-45°	45°-60°	0°-45°	45°-60°
	0.45	0.30	0.65	0.45
	0.70	0.50	1.05	0.75
	1.00	0.70	1.50	1.05
	1.40	1.00	2.10	1.50
	1.70	1.20	2.60	1.85
	2.70	1.95	4.15	2.90
	4.30	3.05	6.50	4.60
	5.60	4.00	8.50	6.00
	7.80	5.60	11.90	8.40

The above-mentioned working load limits correspond approximately to the following load factors:

2.00	2 x 2	1.60	3.20	1.12	0.80	1.70	1.20
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WLL in tonnes dependent on chain type and method of lifting. The strain must be reduced to 50% of the WLL for unbalanced lifting.

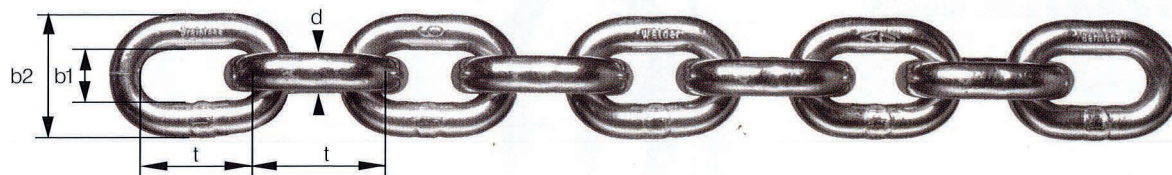
* complies with DIN 5688-1 other than material as Grade 6

** Normal chain thickness acc. to DIN 5687

Values are indicated as W.L.L. in tonnes

Grade 60 Lifting Chain

Cromox Grade 60 Lifting Chain similar DIN 5687*, AISI 316L



Part Code	Dimensions (mm)				W.L.L. (t)	Mass (Kg)
	d	t	b1 min	b2 max		
SS1.060.5	6.0	18.0	7.8	22.2	0.90	0.80
SS1.070.5	7.0	21.0	9.1	25.9	1.25	1.10
SS1.080.5	8.0	24.0	10.4	29.6	1.55	1.40
SS1.100.5	10.0	30.0	13.0	37.0	2.45	2.20
SS1.130.5	13.0	39.0	16.9	48.1	3.85	3.80
SS1.160.5	16.0	48.0	20.8	59.2	5.00	5.70
SS1.180.5	18.0	54.0	24.3	64.8	7.00	7.30

* complies with DIN 5687 other than material as Grade 6

Cromox Grade 60 Endless Chain Sling

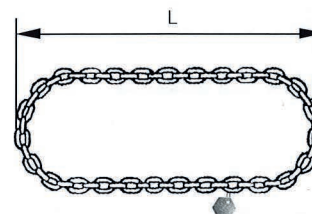
The process effects a metallurgical clean surface without defects.

The material's corrosion resistance is fully exploited.

L= length 1000mm ± Circumference 2000mm.

For unbalanced loads please follow table on page 10.

NOTE : Custom sizes and finishes upon request.



Part Code	W.L.L. Vertical (t)	W.L.L. (t)	W.L.L. (t)
			
SS-CELK-04	0.80	0.45	0.30
SS-CELK-05	1.26	0.70	0.50
SS-CELK-06	1.80	1.00	0.70
SS-CELK-07	2.50	1.20	1.00
SS-CELK-08	3.10	1.95	1.20
SS-CELK-10	4.90	3.05	1.95
SS-CELK-13	7.70	4.00	3.05
SS-CELK-16	10.00	5.60	4.00

Advantages of electropolishing

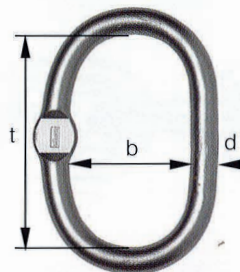
Electrolytic polishing is an electro-chemical process for surface treatment which causes ferritic ions to leave the material surface. The intended purpose is to reduce the microroughness. Therefore dirt or product remains are much more unlikely to stick to the chain. The cleanability is improved. Electrolytic polishing is also used for deburring, buffing or passivating.

Grade 60 Master Links and Sub-Assemblies

Cromox Grade 60 Master Links (CAGF/CBGF)

for 1- and 2-leg chain slings

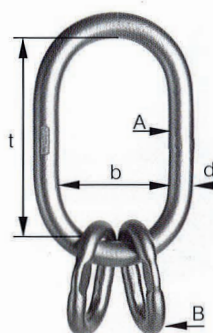
These master links have a flattened section to allow the use of clevis shackles type CGS.



Part Code	1 Leg	2 Leg	Dimensions (mm)			W.L.L. (t)	Mass (Kg)
			d	t	b		
SS-003-0504	5	4	10	80	50	0.63	0.15
SS-003-0806	6/7/8	5/6	13	110	60	1.55	0.34
SS-003-1008	10	7/8	16	110	60	2.45	0.53
SS-003-10	-	10	18	135	75	3.55	0.80
SS-003-1613	13/16	13	22	160	90	6.00	1.50
SS-003-1816	18	16	26	180	100	8.00	2.30
SS-003-2018	20	18	32	200	110	12.00	3.90
SS-003-2020	-	20	36	260	140	16.00	6.35
SS-CBGF-13	-	-	13	54	25	2.45	0.195
SS-CBGF-16	-	-	16	70	34	3.85	0.37
SS-CBGF-18	-	-	18	85	40	6.00	0.53
SS-CBGF-22	-	-	22	115	50	7.60	1.065
SS-CBGF-26	-	-	26	140	65	9.60	1.825

Cromox Grade 60 Sub-Assembly (CAKF)

for 3- and 4-leg chain slings

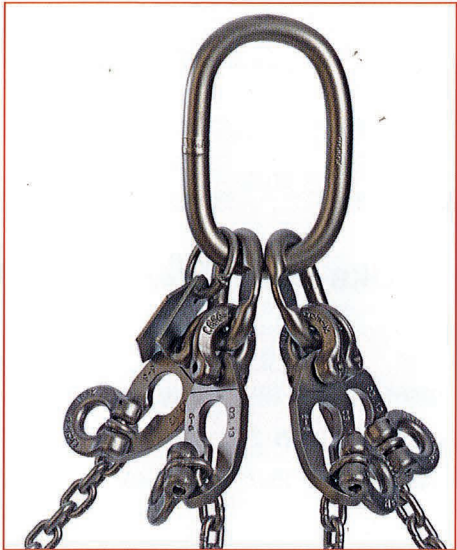


Part Code	For Chain	Dimensions (mm)			W.L.L. (t) $\beta = 45^\circ$	W.L.L. (t) $\beta = 60^\circ$	Mass (Kg)
		d	t	b			
SS-007-05	5	A13 B10	110 44	60 25	1.30	0.90	0.52
SS-007-06	6	A16 B13	110 54	60 25	2.65	1.85	0.97
SS-007-08	7/8	A18 B16	135 70	75 34	3.25	2.30	1.60
SS-007-10	10	A22 B18	160 85	90 40	5.15	3.65	2.76
SS-007-13	13	A26 B22	180 115	100 50	8.15	5.75	4.45
SS-007-16	16	A32 B26	200 140	110 65	10.50	7.50	7.55

Sub-Assembly with Drop Forged Shorteners

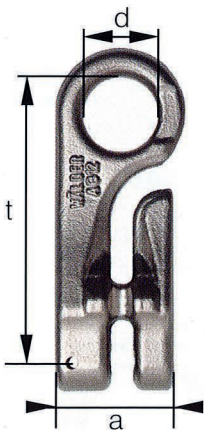
Standard Combination

Quad link sub assembly with standard shorteners and clevis shackles.



Cromox Grade 60 Drop Forged Shortener (CVE) blasted

cromox shorteners can be built into a chain strand at any position in combination with clevis shackle CGS. With long chain slings this enables a efficient and ergonomic workflow.



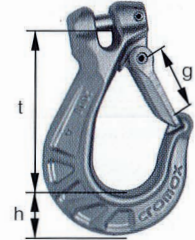
Part Code	Dimensions (mm)			W.L.L. (t)	Mass (Kg)
	d	t	a		
SS-CVE-05	25	85.50	39.80	0.63	0.30
SS-CVE-06	25	92.00	40.00	0.90	0.37
SS-CVE-07	32	113.00	50.50	1.25	0.70
SS-CVE-08	32	119.00	50.50	1.55	0.77
SS-CVE-10	38	149.00	61.00	2.45	1.39



Clevis Hooks, Eye Hooks and Swivel Load Hooks

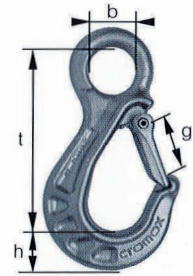
Cromox Grade 60 Clevis Sling Hooks (CGHF) with safety latch

Part Code	Dimensions (mm)			W.L.L. (t)	Mass (Kg)
	t	g	h		
SS-CGHF-05	79	25	22	0.63	0.40
SS-CGHF-06	78	25	22	0.90	0.40
SS-CGHF-07	97	32	28	1.25	0.76
SS-CGHF-08	97	32	28	1.55	0.76
SS-CGHF-10	121	40	34	2.45	1.44



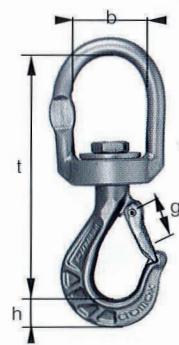
Cromox Grade 60 Eye Sling Hooks (COHF) with safety latch

Part Code	Dimensions (mm)				W.L.L. (t)	Mass (Kg)
	t	g	b	h		
SS-COHF-04	75	20	17	17	0.40	0.185
SS-COHF-06	100	25	25	22	0.90	0.35
SS-COHF-08	126	32	27	28	1.55	0.79
SS-COHF-10	160	40	37	34	2.45	1.37
SS-COHF-13	190	51	48	45	3.85	3.00
SS-COHF-16	230	66	55	51	5.00	4.80
SS-COHF-18	230	66	55	51	7.00	4.80



Cromox Grade 60 Swivel Sling Load Hooks with eyelet (CWHB)

Part Code	Dimensions (mm)				W.L.L. (t)	Mass (Kg)
	t	g	b	h		
SS-CWHB-0405	120	20	40	16.0	0.63	0.65
SS-CWHB-0607	165	25	49	21.0	1.25	0.988
SS-CWHB-0810	235	40	64	33.0	2.50	2.710



Advantages:

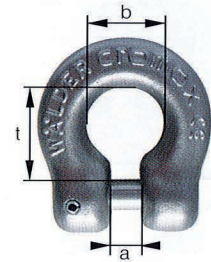
- Duplex material 1.4462 (AISI 318LN) ensures superior corrosion resistance
- Ball bearings allow easy rotation even under full load
- Flattened section on the eyelet enables combination with cromox Clevis Shackles CGS



Connecting Links and Shackles

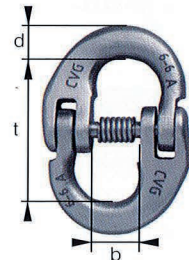
Cromox Grade 60 Clevis Shackles (CGS)

Part Code	Dimensions (mm)			W.L.L. (t)	Mass (Kg)
	t	b	a		
SS-CGS-06	26	20	7	0.90	0.160
SS-CGS-07	30	23	9	1.25	0.230
SS-CGS-08	30	23	9	1.55	0.230
SS-CGS-10	40	28	11	2.45	0.460
SS-CGS-13	48	38	14	3.85	0.675
SS-CGS-16	50	44	17	5.00	1.130



Cromox Grade 60 Connecting Links (CVG)

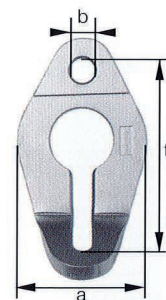
Part Code	Dimensions (mm)			W.L.L. (t)	Mass (Kg)
	t	b	d		
SS-CVG-06	42	15	7.5	0.90	0.085
SS-CVG-07	42	15	9.5	1.25	0.090
SS-CVG-08	55	18	11.5	1.55	0.150
SS-CVG-10	90	28	18.0	2.45	0.310



Shorteners and Identification Tags

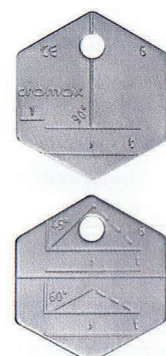
Cromox Grade 60 Standard Shorteners (CV)

Part Code	Dimensions (mm)			W.L.L. (t)	Mass (Kg)
	a	b	t		
SS-CV-06	47	10	81	0.90	0.18
SS-CV-08	70	12	94	1.55	0.38
SS-CV-10	80	15	120	2.45	0.71
SS-CV-13	91	20	150	3.85	1.18
SS-CV-16	100	21	175	5.00	2.30



Stainless Steel Identification Tags (CA) Combination tag for single-leg & multi-leg slings, neutral, bright polished

Part Code		Mass (Kg)
SS-CALO	Without rope and ferrule, without W.L.L. marking	0.10



Spare Parts

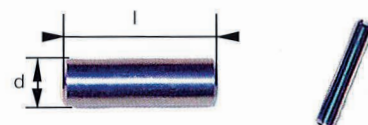
cromox Safety Latch Assembly (CSG) for CGHF

Part Code	Mass (Kg)
SS-CSG-04	0.026
SS-CSG-06	0.030
SS-CSG-08	0.050
SS-CSG-10	0.095
SS-CSG-13	0.150
SS-CSG-18	0.250



cromox Bolts and Pins (CBP) for CGHF and CGS

Part Code	d/l mm	Mass (Kg)
SS-CBP-05	6 x 28	0.007
SS-CBP-06	8 x 28	0.010
SS-CBP-07	8 x 32	0.013
SS-CBP-08	10 x 32	0.020
SS-CBP-10	13 x 40	0.045
SS-CBP-13	16 x 45	0.070
SS-CBP-16	20 x 55	0.140



Bolts and Pins (CVGE) for CVG

Part Code	Dimensions (mm)		Mass (Kg)
	d	l	
SS-CVGE-06	5	45	0.010
SS-CVGE-07	5	45	0.010
SS-CVGE-08	6	52	0.016
SS-CVGE-10	8	64	0.034

