

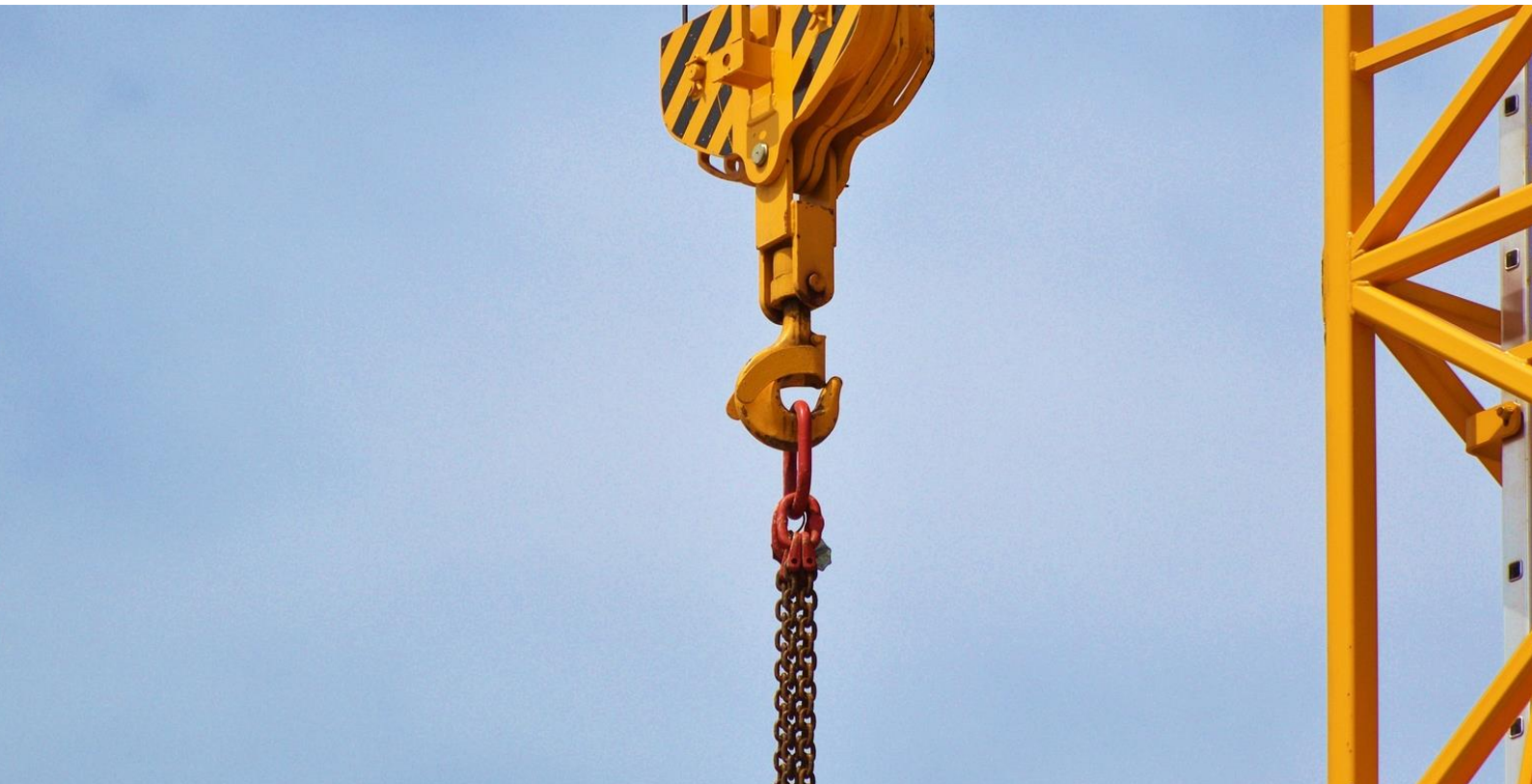


CHAINPRO SOLUTIONS

CERTIFIED. SECURE. RELIABLE

MAX-ALLOY®

ChainPro Solutions proudly offers the complete Max-Alloy chain range, expertly manufactured in South Africa with a strong commitment to quality and reliability. Our chains cover diameters from 7mm to 32mm, available in both Grade 8 and Grade 10, with larger sizes from 36mm to 50mm provided in Grade 8. Each chain is crafted using locally sourced steel, strictly meeting national and international standards for short-link lifting applications. Max-Alloy® steel is specially heat-treated and refined to produce a fine-grain structure, making it the optimal choice for durable, high-performance chain slings. Trust ChainPro Solutions to provide robust, dependable chains for all your heavy-lifting needs.



Max-Alloy® is a premium heat-treated alloy steel chain, meticulously engineered for demanding lifting applications. With enhanced material strength and superior mechanical properties, it provides exceptional reliability and safety, making it ideal for critical lifting operations across diverse industrial uses.





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Manufacturing, Testing & Inspection

- Every Max-Alloy® product undergoes 100% proof testing at 2.5 times its working load limit (WLL), ensuring weld integrity and full compliance with both national and international standards.
- A rigorous quality control plan is in place, ensuring each product meets a 4:1 safety factor and is fit for purpose.
- All measuring and testing equipment is meticulously maintained and calibrated at specified intervals to guarantee consistent and reliable results.
- Max-Alloy® products feature full traceability, from steelmaking through to the final product.

Product Type Approvals & Management Systems

- Grade 8 short link chains compliant with SANS 189
- Grade 8 welded chain slings per SANS 4778 / EN 818-4
- Grade 8 mechanically assembled chain slings to SANS/ISO 4778 / SANS 50818-4 / EN 818-4
- Certified to ISO 9001:2015 Quality Management System
- Grade 8 short link chains per EN 818-2
- Grade 8 master links and assemblies compliant with EN 1677-4 / SANS/ISO 16798
- Grade 8 chain sling assemblies to EN 818-4
- Grade 8 short link chains meeting EN 818-2 standards



GRADE 8 VS GRADE 10: PROS AND CONS

What to consider when choosing between Grade 8 and 10?

Generally, a Grade 10 chain, while smaller than a Grade 8 chain of the same size, can still lift the same weight. This means that using a Grade 10 chain can significantly reduce the overall weight of the sling without sacrificing strength.

Extreme Heat Conditions

High temperatures can weaken all chain slings, reducing their strength. Special care should be taken when using these chains in hot conditions. When temperatures exceed 200°C, the chain's working load limit (WLL) needs to be adjusted downward, following specific reduction guidelines.

Important: Grade 10 chains should not be used in temperatures above 200°C.

	GRADE 8	GRADE 10
STRENGTH (WLL)	GOOD	20 % STRONGER
WEIGHT	GOOD	LIGHTER CHAIN CAN BE USED
MAX TEMP	400°	200°
ON-SHORE INDUSTRIAL	EXCELLENT	EXCELLENT
CORROSIVE *	NOT ADVISIBLE	NOT ADVISIBLE
SIZE RANGES	8MM - 45MM	8MM - 32MM

	TEMPERATURE OF CHAIN	WLL REDUCTION WHILE HEATED	PERMANENT WLL REDUCTION
GRADE 8	40° - 200°	NONE	NONE
	OVER 200°C - 300°C	10%	NONE
	OVER 300°C - 400°C	25%	NONE
GRADE 10	- 20°C - 200°C	NONE	NONE
	OVER 200°C	DO NOT USE	DO NOT USE

* 6mm - 7mm, grade 8 and grade 10 are available on enquiry.

Heat Treatment

Max-Alloy® Grade 8 chains and fittings are built to maintain their durability without requiring periodic heat treatment and should never be reheated by anyone other than authorized professionals.

Surface Coating

Max-Alloy® Grade 8 products should not be galvanized or coated with any finish without prior approval. For specific recommendations on coatings, please contact ChainPro, and we will confirm details with the manufacturer to ensure safe use.

Corrosive Conditions

Max-Alloy® chains and attachments should not be used in acidic or corrosive environments, as these conditions can weaken the chain and reduce its safety and performance.



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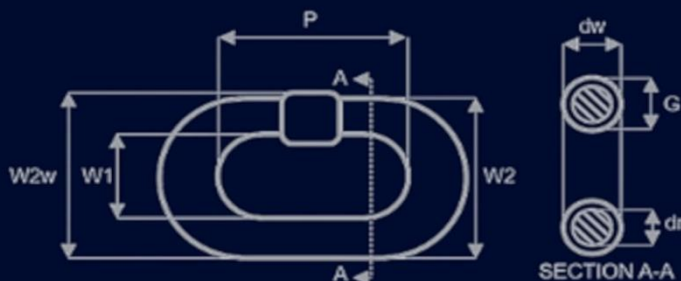


MAX-ALLOY® GRADE 8 SHORTLINK SMOOTH WELD CHAIN

MAX ALLOY GRADE 8 SHORT LINK SMOOTH WELD					
PRODUCT CODE	DIMENSIONS			FORCES	
	DIAMETER	PITCH (P)	W1	BF	WLL
	(DN) NOM	NOM	MIN	KN	TONNE
MA-G8-08-SLS	8,0	24,0	10,40	80,50	2,00
MA-G8-10-SLS	10,0	30,0	13,00	126,00	3,20
MA-G8-13-SLS	13,0	39,0	16,90	213,00	5,40
MA-G8-16-SLS	16,0	48,0	20,80	322,00	8,20
MA-G8-20-SLS	20,0	60,0	26,00	503,00	12,80
MA-G8-22-SLS	22,0	66,0	28,60	609,00	15,50
MA-G8-26-SLS	26,0	78,0	33,80	850,00	21,60
MA-G8-32-SLS	32,0	96,0	41,60	1290,00	32,80

Markings (Traceability)

- 17A: Year and month of manufacture
- 34: Chain manufacturing machine number
- 01: Batch sequence number
- H46: DGUV EN818-2 mark number
- MA8: Manufacturer code & Grade (Max-Alloy® Grade 8)



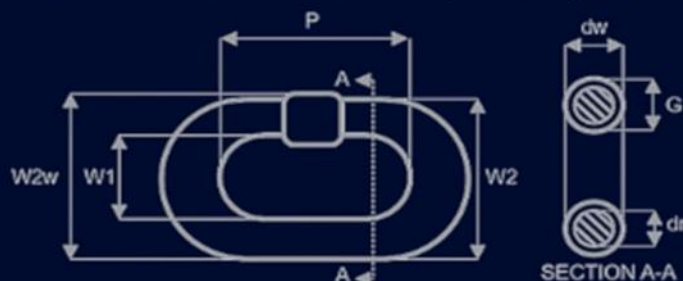


MAX-ALLOY® GRADE 10 SHORTLINK SMOOTH WELD CHAIN

MAX ALLOY GRADE 10 SHORT LINK SMOOTH WELD					
PRODUCT CODE	DIMENSIONS			FORCES	
	DIAMETER	PITCH (P)	W1	BF	WLL
	(DN) NOM	NOM	MIN	KN	TONNE
MA-G10-08-SLS	8,24	24,00	10,40	101,00	2,50
MA-G10-10-SLS	10,30	30,00	13,00	157,00	4,00
MA-G10-13-SLS	13,40	39,00	16,90	265,00	6,70
MA-G10-16-SLS	16,40	48,00	20,80	402,00	10,00
MA-G10-20-SLS	21,00	60,00	26,00	628,00	16,00
MA-G10-22-SLS	23,00	66,00	28,60	760,00	19,00
MA-G10-26-SLS	27,00	78,00	33,80	1062,00	27,00
MA-G10-32-SLS	33,50	96,00	41,60	1610,00	41,00

Markings (Traceability)

- 17A: Year and month of manufacture
- 34: Chain manufacturing machine number
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- MA8: Manufacturer code & Grade (Max-Alloy® Grade 8)





MAX-LINK / MINING CHAIN

Max-Link encompasses Grade 3 and Grade 5 Long Link and Extra Long Link chains, specifically engineered for use in underground mining operations.

These chains are ideally suited for the suspension of pipes and equipment within the shaft mining sector, ensuring reliable and robust performance in demanding underground environments.

MILD STEEL CHAIN

GR3 LONG LINK CHAIN TO SANS 251

MILD STEEL CHAIN - GR3 LONG LINK CHAINS							
CODE	Chain Size (mm)	Working Load Limit	DN-NOM (mm)	Nominal Pitch (mm)	Maximum Outside Width (mm)	Links per Meter	Approx mass (kg/m)
MLC-01	6.3	0.38	6.3	25.2	22.1	39.7	0.78
MLC-02	7.1	0.48	7.1	28.4	24.9	35.2	0.99
MLC-03	9.0	0.78	9.0	36.0	31.5	27.8	1.60
MLC-04	10.0	1.00	10.0	40.0	35.0	25.0	1.96
MLC-05	11.2	1.20	11.2	44.8	39.2	22.3	2.45
MLC-06	13.0	1.60	13.0	52.0	45.5	19.2	3.30
MLC-07	14.0	1.90	14.0	56.0	49.0	17.9	3.84
MLC-08	16.0	2.50	16.0	64.0	56.0	15.6	5.01
MLC-09	20.0	3.80	20.0	80.0	70.0	12.5	7.83
MLC-10	26.0	6.50	26.0	104.0	91.0	9.6	13.23

Sizes up to 50.00mm - Factor of Safety. 5 to 1

GR3 EXTRA LONG LINK (ELL) CHAIN TO SANS 251

ELL Chain was originally designed by industrial chain manufacturers for use in underground mining. However, its innovative "passing-through" design now provides enhanced versatility, enabling quick and efficient on-site coupling and repairs.

MILD STEEL CHAIN - GR3 EXTRA LONG LINK CHAINS							
CODE	Chain Size (mm)	Working Load Limit	DN-NOM (mm)	Nominal Pitch (mm)	Maximum Outside Width (mm)	Links per Meter	Approx mass (kg/m)
MLC-11	7,1	0,48	7,1	42,6	28,4	23,5	0,89
MLC-12	10,0	1,00	10,0	60,00	42,00	16,7	1,77
MLC-13	16,0	2,50	16,0	96,00	64,00	10,4	4,53



GR5 SHORT LINK CHAIN TO SANS 189

Special Short Link Chain is a premium-quality carbon steel chain designed for versatile general-purpose applications.

GR5 SHORT LINK CHAINS							
CODE	Chain Size (mm)	Working Load Limit	DN-NOM (mm)	Nominal Pitch (mm)	Maximum Outside Width (mm)	Links per Meter	Approx mass (kg/m)
MLC-G5-01	7.0	0.98	7.0	21.0	25.6	47.6	1.09
MLC-G5-02	8.0	1.28	8.0	24.0	29.2	41.7	1.43
MLC-G5-03	10.0	2.00	10.0	30.0	36.5	33.3	2.23
MLC-G5-04	11.2	2.51	11.2	33.6	40.9	29.8	2.79
MLC-G5-05	13.0	3.39	13.0	39.0	47.5	25.6	3.77
MLC-G5-06	14.0	3.93	14.0	42.0	54.1	23.8	4.36
MLC-G5-07	16.0	5.13	16.0	48.0	58.4	20.8	5.71
MLC-G5-08	20.0	8.01	20.0	60.0	73.0	16.7	8.92
MLC-G5-09	22.0	9.69	22.0	66.0	80.3	15.2	10.80
MLC-G5-10	26.0	13.5	26.0	78.0	94.9	12.8	15.10

GRADE 5 LONG LINK CHAIN TO SANS 251

MAX LINK - GR5 LONG LINK CHAIN						
CODE	Chain Description	Diameter DN-NOM	Pitch NOM	Inside Width MIN	WLL TONNE	Approx Mass (kg/m)
MLC-G5-11	10.0 mm Grade 5 Long Link Chain	10.00	40.0	14.00	2.00	2.12
MLC-G5-12	13.0 mm Grade 5 Long Link Chain	13.00	52.0	18.20	3.40	3.32
MLC-G5-13	16.0 mm Grade 5 Long Link Chain	16.00	64.0	22.40	5.10	5.02
MLC-G5-14	20.0mm Grade 5 Long Link Chain	20.00	79.0	28.00	8.00	7.15

GRADE 5 EXTRA LONG LINK TO SANS 251

MAX LINK - GR5 EXTRA LONG LINK CHAIN						
CODE	Chain Description	Diameter DN-NOM	Pitch NOM	Inside Width MIN	WLL TONNE	Approx Mass (kg/m)
MLC-G5-15	10.0 mm Grade 5 Extra Long Link Chain	10.0	6.00	20.50	2.00	1.79
MLC-G5-16	16.0 mm Grade 5 Extra Long Link Chain	16.0	96.00	25.00	5.10	4.45



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