



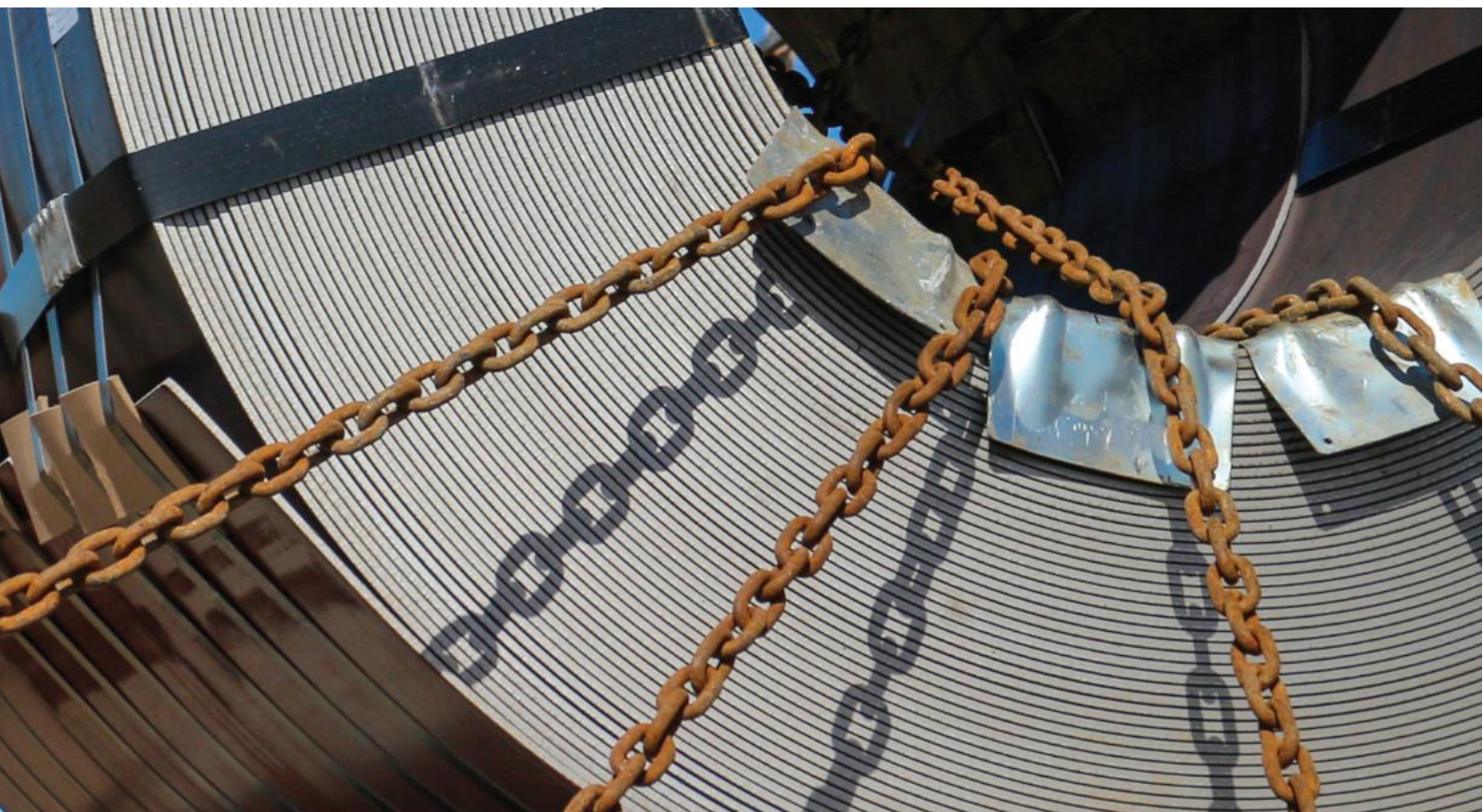
**CHAINPRO**  
**SOLUTIONS**  
CERTIFIED. SECURE. RELIABLE

**CTC ®**

## **CERTIFIED TRANSPORT CHAINS**

Certified Transport Chains are available in two diameters: 10mm and 13mm. Constructed from high-quality steel, these chains are designed to meet the demands of both simple and complex assemblies.

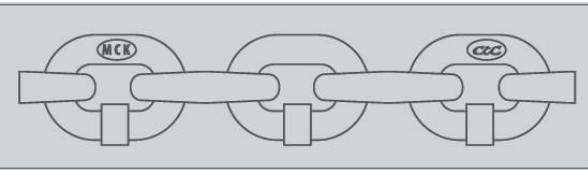
When paired with certified components, these transport chains form secure and reliable tie-down assemblies, ideal for safely securing loads during transportation between destinations.



# Minimum Breaking Strength

The minimum breaking strength represents the calculated value required to ensure a minimum mean stress at failure of 400 MPa. This value can be converted to a minimum kilonewton (kN) value or alternatively to a tonnage equivalent for 10mm or 13mm chain sizes.

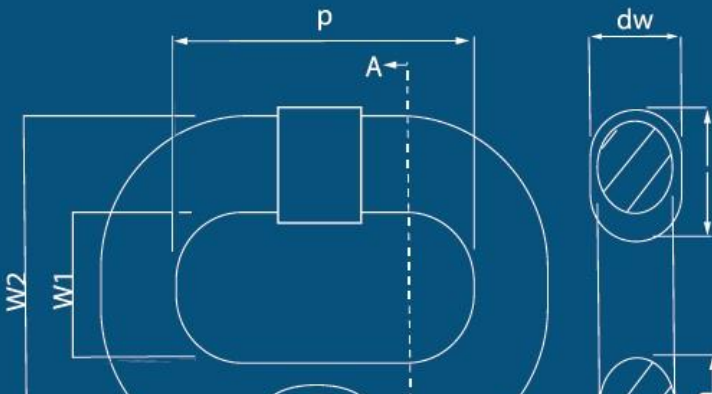
The specified minimum break force values, based on a safety factor of 4:1, are as follows:

	DIAMETER (MM)	WORKING LOAD	APPROX MASS KG/M	MINIMUM BREAK FORCE (T)
	10.0	1.6 TONS	2.21	6.4
	13.0	2.7 TONS	3.73	10.8
Factor of safety 4 to 1				

## Operating Precautions

- Ensure the total breaking strength of the binder chains used is at least 1.7 times the mass of the load carried.
- Inspect chains, tensioners, fittings, and anchoring points for any signs of damage or wear before use.
- Carefully position the tensioning device to avoid bending over corners or sharp edges, which can cause damage or fractures.
- Use wedges or chocks to prevent the load from shifting during transport.
- Check lashings both before starting the journey and after traveling a short distance to ensure the load remains secure.

CERTIFIED GRADE 4 SHORT LINK TRANSPORT CHAIN									
COMMODITY	DESCRIPTION	DIAMETER			PITCH (P)			FORCES	
		NOM (DN)	MIN	MAX	NOM	MIN	MAX	WLL TONNE	APPROX MASS KG/M
CTC100	10MM GRADE 4 CERTIFIED TRANSPORT CHAIN	10.0	9.6	10.4	30.0	29.1	30.9	1.60	2.21
CTC130	13MM GRADE 4 CERTIFIED TRANSPORT CHAIN	13.0	12.5	13.5	39.0	37.8	40.2	2.70	3.73



Manufactured to  
SANS 10187-1:2009  
"Load securement  
on vehicles".



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