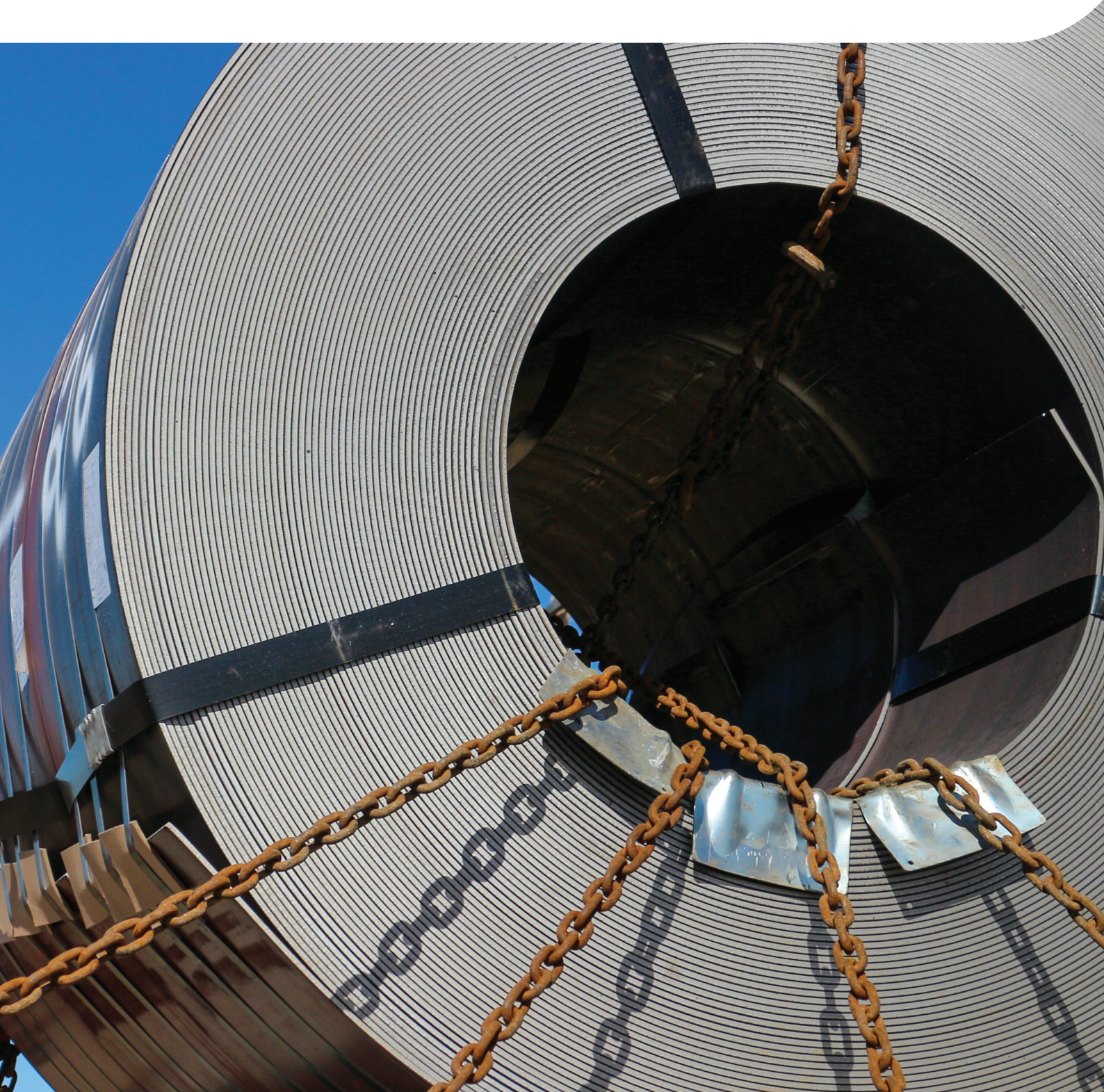


# CTC<sup>®</sup>

Certified Transport Chain is available in two sizes, that being 10mm & 13mm diameter. The chains are manufactured from quality steel, thus making it suitable for simple and complex assemblies. Certified Transport Chains and components are combined to make secure assemblies typically used to tie-down loads transported from one destination to the next.



# McKinnon Chain





### MINIMUM BREAKING STRENGTH

THIS IS THE CALCULATED VALUE THAT WILL ENSURE A MINIMUM MEAN STRESS AT A FAILURE OF 400 MPA. THIS VALUE CAN BE CONVERTED TO A MINIMUM KN (KILONEWTON) OR ALTERNATIVELY TO A TON VALUE FOR SIZES 10 OR 13MM. THE MINIMUM SPECIFIED BREAKFORCE VALUES AT A FACTOR OF SAFETY 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

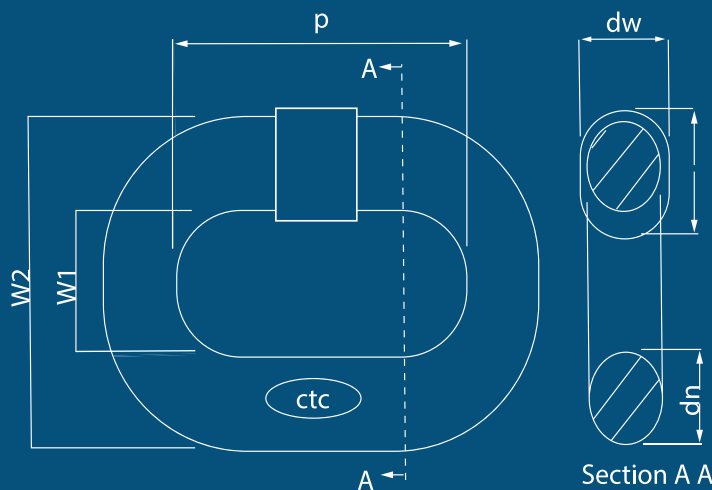
Factor of safety 4 to 1

### OPERATING PRECAUTIONS

- We strongly recommend that you familiarise yourself with SABS 10187: 2009.
- It is advisable that the total breaking strength of the Binder Chains used must at least be equal to 1.7 times the mass of the load carried.
- Inspect chains, tentioners, fittings and anchoring points for any sign of damage or wear.
- Remove twists, kinks or knots from chain before use.
- Do not use "Cheater Bars" for additional leverage when tentioning binders.
- Position tentioning device carefully to avoid bending action over corners or sharp edges as this not only causes damage but can result in the fracture of the chain or fittings.
- Identify the areas in the load where mass is concentrated and apply the binding chains accordingly to avoid unbalanced binding.
- Make use of wedges or chocks so that your load cannot move.
- Match chain to fittings, all fittings must at least have the minimum breaking strength of the chain used.
- Protect from unnecessary exposure to the weather during storage.
- Check your lashings before moving off and, also, after you have travelled a few kilometers.

### 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".