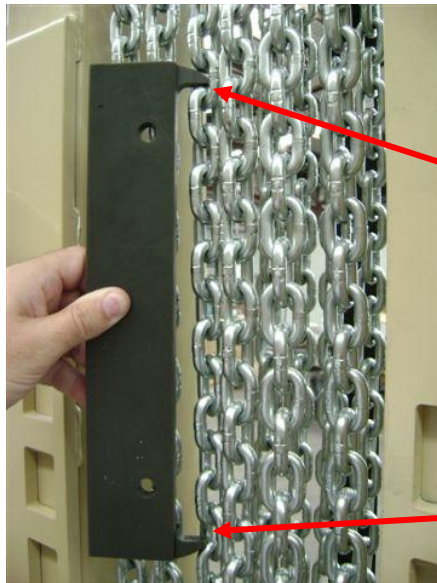


Measuring Chain Wear on Portalift Hoists



Measure over 11 links.
 From the top of the first link to the bottom of the 11th link.

Rest the top of the on top of the first link.

Look at this end of the gauge for wear.



Bottom of the 11th link.

The other end of the gauge must fit around the bottom of the 11th link.

On this chain, there is **8.3mm** of space. This chain has no wear.

If the gauge does not fit over the 11 links the chain is out of specification and needs to be replaced.

The chain must be measured in at least three places. Starting from the right hand side, measure the second strand in two places, and then measure the third strand. These strands receive the most wear.

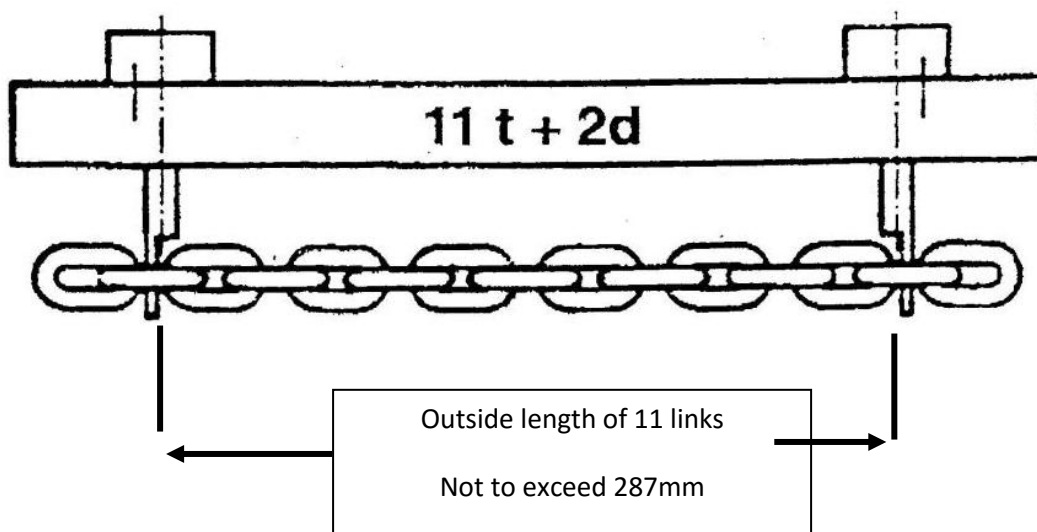
	Age of Chain	Measurement between bottom of 11 th link and inside end of chain gauge	Percentage Worn	Wear Rate Per Year	Expected Years of Life left in Chain
Example 1	5 Yrs	4mm	50%	0.8 mm	5 Yrs
Example 2	10 Yrs	4mm	50%	0.4 mm	10 Yrs
Example 3	10 Yrs	2mm	75%	0.6 mm	3.3 Yrs
Example 4	15 Yrs	1mm	88%	0.46 mm	2 Yrs

The assumption is the chain will receive the same treatment for the remaining time as it has previously.

The chain must also be inspected for other signs of wear or damage.

USING THE CHAIN GAUGE.

CHAIN DIMENSION	NEW CHAIN	WORN CHAIN
11 links – outside length	278.7mm	287.0mm



If the chain gauge does not fit over the 11 links then the chain is worn beyond manufacturer's safety limits and should be replaced.

The chains used on Portalift hoists are a **T81 Calibrated Hoisting Chain**.

Endurequip Hoists only recommend RUD calibrated chains, as the chain link is matched to the drive sprocket and guaranteed to be suitable for use on Portalift Hoists.

Do NOT use a "lifting chain".

Lifting chains are NOT suited for use on Portalift Hoists and will void all warranty.

If you have any questions or wish to purchase a chain gauge contact the Service Manager at Endurequip Services: service@endurequipservices.com.au