



CHAIN WEAR AND TO MEASURE IT

Worn Or Out of Pitch Chain Is The Primary Cause Of Sprocket Wear
(unless u race on a beach)

How to check chain condition

1. Place bike on centre stand .
2. Wipe chain plates clean on the lower run for about 300mm in front of rear sprocket .
3. Count the heads of 17 pins ie. 16 pitches and mark with felt tip or small zip tie.
4. Place some tension on the lower run by pulling the rear wheel in an anti clockwise direction with the bike in gear, (if the chain is on the left side of bike).
5. Have someone carefully measure the distance in a straight line between the centres of 17 pins.

On a new 5/8 P chain , ie. 520, 525, 530 the distance will be 254mm

At 255mm the chain is 25% worn.

At 256mm the chain is 50 % worn.

At 257mm it is 75 % and at 258mm it is now a greasy paperweight.

The corresponding measurements for 1/2" and 3/4" P chain are

420/428 new 203mm replace at 207mm

630 new 305mm replace at 309mm

I never do this but you could measure your before you start riding with it preferably straight from the packet whilst on the bench.

This is the only method for measuring chain wear

The dodgy method is waiting for the mileage to build up to some magical number or the pinch test over the rear sprocket.

From my notes and chain suppliers over the years don't blame me if your chain breaks and goes through the cases , if in doubt ask your mechanic