



## In the frame

### Litelok X3

£249.99, [litolok.com](http://litolok.com)

Litelok says the X3 is four times more grinder resistant than the cheaper X1. The internal space is only fractionally smaller than the skinnier X1 but the Abloy Sentry locking mechanism and chunkier build makes it almost 500g heavier. It's still fairly light for the level of protection, which includes a Diamond Sold Secure rating for bike and motorbike.

The rubber coating makes it bike-frame friendly, and while the reflective detailing is 'stealth' it's quite obvious at night. A neoprene pouch and two keys are supplied. Frame mounts are available as extras, as per the X1.

Litelok say the Barronium composite construction uses a 'hardened fine-grain, high-tensile steel core'. While I made some initial progress, it soon slowed to effectively nothing. A lot of heat was generated as the rubber coating melted and sparks flew from the glowing metal. Yet after five minutes I was only a quarter of the way through.

**Weight:** 2,222g. **Shackle size:**

195x99mm. **Overall cut time:** 300 secs to get 25% through one side.

🌟 **Don't let the skinny locks deceive you: this lock is a seriously tough thief-beater**



### 🌟 Verdict

The Litelok X3, Hiplok D1000 and Abus Granit Super Extreme 2500 all casually resisted my attempts to cut through them. Most thieves would likely give up.

Yet the most secure award has to go to the Kryptonite New York Diamond Standard



### Kryptonite New York Lock Diamond Standard

£269.99, [kryptonitelock.com](http://kryptonitelock.com)

This beefy lock lives up to its name as Kryptonite for bike thieves. A thick body and generously sized shackle make it the heaviest on test, and it's the only one to come with anti-theft insurance (£3,000 in the UK). It's Diamond rated, there's a five-year warranty, you get three keys, and the lock mechanism is hidden behind a little sliding door to keep it clean. Rubber coating protects your bike, and a frame mount is included.

Despite an enthusiastic shower of sparks as the disc cut through the outer steel layer, it was soon obvious that the grinder had met its match. The discs couldn't get through the secondary 'diamond layer' over the steel core. The first evaporated to the point where the grinder knuckled out in 22 seconds. The second was dust in 36 seconds without getting noticeably further. Another disc, another 30 seconds, and I was still less than a millimetre deeper. **Weight:** 2,418g. **Shackle size:** 204x95mm. **Overall cut time:** 300 secs +3 discs to get 10% through one side.

🌟 **Comically casual grinder denial makes this Kryptonite lock the test's security superhero**

### Abus Granit Super Extreme 2500

£270, [abus.com](http://abus.com)

The Abus Granit is the biggest lock on test in terms of inner dimensions, depth of cladding and the 31 x 28mm thickness of the carbide steel core. It comes with a substantial multi-position bike mount as standard. 'XPlus' and 'Power Cell' locking tech ensure a Diamond Sold Secure rating.

You get two keys as standard, and as well as the usual fast replacement scheme, Abus also offers 'keyed alike' synching. Every lock in your arsenal – including Abus's e-bike battery or frame locks – can use the same key, which is super convenient and unique to the German brand.

The hard plastic casing makes the lock slipperier and harder to pin down for attack. The thick coating not only hides progress and gums up the disc, it means the grinder knuckles out earlier so you have to switch the disc sooner. Five minutes, including a second disc, got me 25–30% through, but that would equate to 40 minutes to cut through both sides. **Weight:** 2,187g. **Shackle size:** 223x105mm. **Overall cut time:** 300 secs + 2 discs to get 25% through one side.

🌟 **Big but not overly heavy, with keyed-alike convenience and great, multi-layer grinder resistance**



lock. It evaporated discs with barely a scratch to its 'diamond' inner layer, and the well-deserved reputation of its yellow colouring might stop thieves even trying.

In terms of the 'failures', the Litelok X1 would still take a thief more than five

minutes to cut through enough to take your bike. While I managed to cut the OnGuard quickly, I've seen other tests where the coating was enough to toast the cutting disc without any lock damage, so you might be lucky there, too.