



## Sram guide rsc brake problems

Level Ultimate Designed to be the top end bike in this model lineup the Level Ultimate brake gets a carbon lever blade and a bearing in the lever pivot. These brakes also use the SRAM's 'Bleeding Edge' tech when it comes to bleeding the brakes which we really like. The brake has the Direct Link' lever design, Expandable bladder and Timing Port Closure as well as the stainless steel heat shield between the pad and the caliper to reduce caliper fluid temperature and therefore increase brake power. All similar features as the Level TLM brakes, the difference being the carbon lever blade and of course the rainbow Ti hardware. Recommended brake rotors are the Centreline CLX and the brakes will come with aluminium backed pads to help shave off a few more grams. This all weighs in at 318g per end (rotor not included). Four piston mountain bike brakes Guide T brakes are dubbed as a good upgrade from two to four piston brakes. The S4 caliper used with 14/16mm diameter pistons, is the same as the more expensive brake just compromises a bit in other areas such as adjustment with the Guide T's getting the same Allen key adjustable lever reach as the Level brakes and a bushing in the lever as per the Level TL and below. The brakes get SRAM's Bleeding Edge technology, and a Direct Link lever which SRAM says provides a sold positive feel to the lever. The lever gets the two-bolt Matchmaker split clamp so you can house your dropper and shifter on it too, making for a nice clean looking bar. The brakes have a claimed weight of 280g each and use Centreline rotors. Guide RE Probably our favourite brake in the lineup, the Guide RE's are a great price and offer superb stopping power, so much so that they are specced on lots of e-bikes. SRAM say they are designed to handle higher speeds and the more intense use that comes due to the increased weight of an e-bike. The brake combines the Guide R lever with a caliper from the older Code range of brakes. The Guide RE lever has an alloy lever blade, a bushing at the lever pivot rather than a bearing as per the Level T and Level brakes. It does, however, get a tool free reach adjust which is much more user-friendly than the fiddly Allen key reach adjust on the Guide T's. The caliper, its actually an old Code caliper, different to the 2019/2020 Code caliper that you might buy on Code RS or RSC's but still uber powerful, not surprising seeing as its an old 'downhill' caliper. Technology wise the Guide RE's get SRAM's Direct Link lever design, a Piggyback Reservoir in the lever to better manage brake fluid and also allows for ambidextrous lever placement—so you can switch your levers on the handlebar without hassle. They also get the Timing Port Closure system as described above in the Level TLM section. The brakes come with sintered pads, are used with Centreline rotors and has a Matchmaker X clamp to the lever, that's the hinged one found on the more expensive Guide and Level brakes. The claimed weight is 415g per end which isn't light but at £125 each for incredible stopping power we think you'll find the weight isn't an issue. Guide R Previously the cheapest form of Guide brakes until the Guide R's cost £125 at retail but you'll probably find them a lot cheaper. The lever gets a tool free reach adjust and the clamp here is Matchmaker X compatible meaning this one gets the hinge rather than the two bolt 'c' shaped design. There's the Direct Link lever design, the Timing Port Closure System, Piggyback Reservoir (described above) and the Pure Bladder which is basically a reshaped bladder to reduce air bubbles from the lever. There is also something SRAM call Power Reserve Geometry which refers to the arc that the brake lever moves in an arc which reduces the levers inward travel delivering more power. The caliper is the same S4 caliper as the Guide R's with included Heat Sheild and Bleeding Edge port technology. All together the lever and caliper weigh 392g. Guide RS The Guide RS gets all the features of the Guide R this is a new cam system which requires less lever throw to push the pads towards the rotor, it is used in replacement of the Direct Link lever. SRAM says that the new design does not come at the cost of less modulation either, they say the use of a special cam shape means that when the pads contact the rotor, power is modulated, avoiding that "on/off" brake feel, they reckon it's the perfect balance of power and precision. You also get that S4 caliper with its Heat Shield and of course, Bleeding Edge technology. A Guide RS brake weighs 384g per end. G2 RSC This is the new version of the Guide RSC, at the moment SRAM has only introduced this second generation of Guide brakes in the RSC and Ultimate versions and here "G2" replaces the Guide name. The new stopper gets a new caliper which SRAM says is stiffer and more powerful. The caliper pad pocket has narrowed and connection points around the body bolts have been made larger to result in less caliper flex and provide more direct power transfer. There are also no longer aluminium pistons, with them being replaced by with phenolic pistons (hard plastic that is strong and heat resistant) which eliminates the need for that heat shield we've been banging on about on the above brakes making the caliper lighter. Coupled with the new caliper is also a new brake pad compound called 'Power Organic' pad, SRAM says this offers a more aggressive bite and increased power during sustained braking. These pads will be available as replacement pads for current brakes too (£23). The brakes still using the same pad shape and hose connection as the previous generation Guide, meaning familiar installation, there's also bite point adjustment that you don't get on cheaper brakes meaning you can pick the position you want your fingers to be in when the brakes are engaged. Last things to mention are that the pivot bearing in the lever for a lighter, crisper feel and per end they weigh 255g. G2 Ultimate The top brake in the Guide (or G2) range, commands top dollar at £265 per end at full retail. SRAM says the new brake is their lightest 4-piston brake outfitted with every feature and material you've come to expect from something called Ultimate. SRAM also says their engineers built it to contain features they would want on the trail: power, modulation, silky-smooth lever feel and complete adjustability, with test riders dubbing the new design "mini-Code" for its Code-like performance. It gets the same new caliper as the G2 RSC, that new brake pad compound and pivot bearings in the lever too. Elsewhere there is a carbon fibre lever and titanium hardware helping the G2 Ultimate to weigh in at 242g. Code R The Code lineup of brakes, its not uncommon to see them on long travel trail bikes and electric ones too. The Code R is the cheapest in the line, it gest the Direct Link lever which is mated to an oversize four piston caliper, 15/16mm compared to 14/16mm in the Guide T, R and RS brakes. There's a tool free reach adjust even on this level of brake but the lever gets a bushing at the pivot rather than a bearing. The entry-level Code R also gets Bleeding Edge tech, the Expandable bladder. Timing Port Closure and Heat Shield all talked about earlier in this article. The Code brakes also get 30% more fluid compared to Guide brakes to reduce heat build up and deal with braking more consistently. The brake weighs in at 443g. Code RSC The top end gravity fed brake, is just like its cheaper sibling, the Code R seen on harder hitting trail, enduro and e-bikes as much as it is on downhill bikes. This one is in essence much the same as the Code R but it gets a Swing Link lever and pivot bearing rather than bushes. It also gets contact point adjustment and can come that titanium rainbow hardware that looks oh-so-good! The lever blade here stays alloy, presumably to prevent it snapping in a heavy crash, downhillers aren't on the whole as bothered about weight saving as trail riders using the G2 or Level Ultimate brakes for example. The Code RSC's weighs 443g, the same as the Code R's. You might also like: