

## HI SPEC “V1” SPOT Handbrake Caliper.



The Hi Spec “V1” Spot Handbrake caliper is the smallest & most lightweight handbrake caliper that we produce.

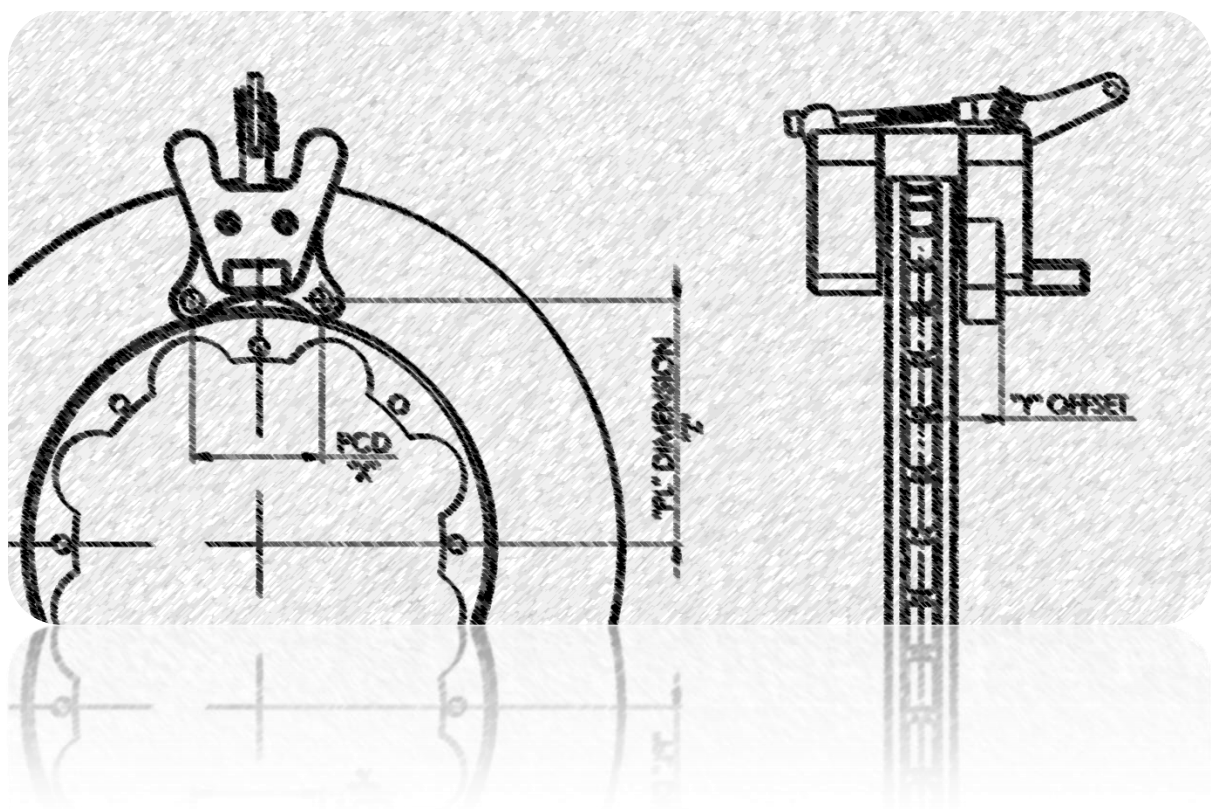
100% designed, manufactured, built & sold from the UK.

It is 100% mechanical, and is designed purely to provide the handbrake or parking brake facility while working in conjunction with another caliper which should provide the main braking function.

To fit these calipers 3 dimensions need to be taken into account, because it is a 3 dimensional world that we live in!

We will refer to these different dimensions as "X" "Y" & "Z"

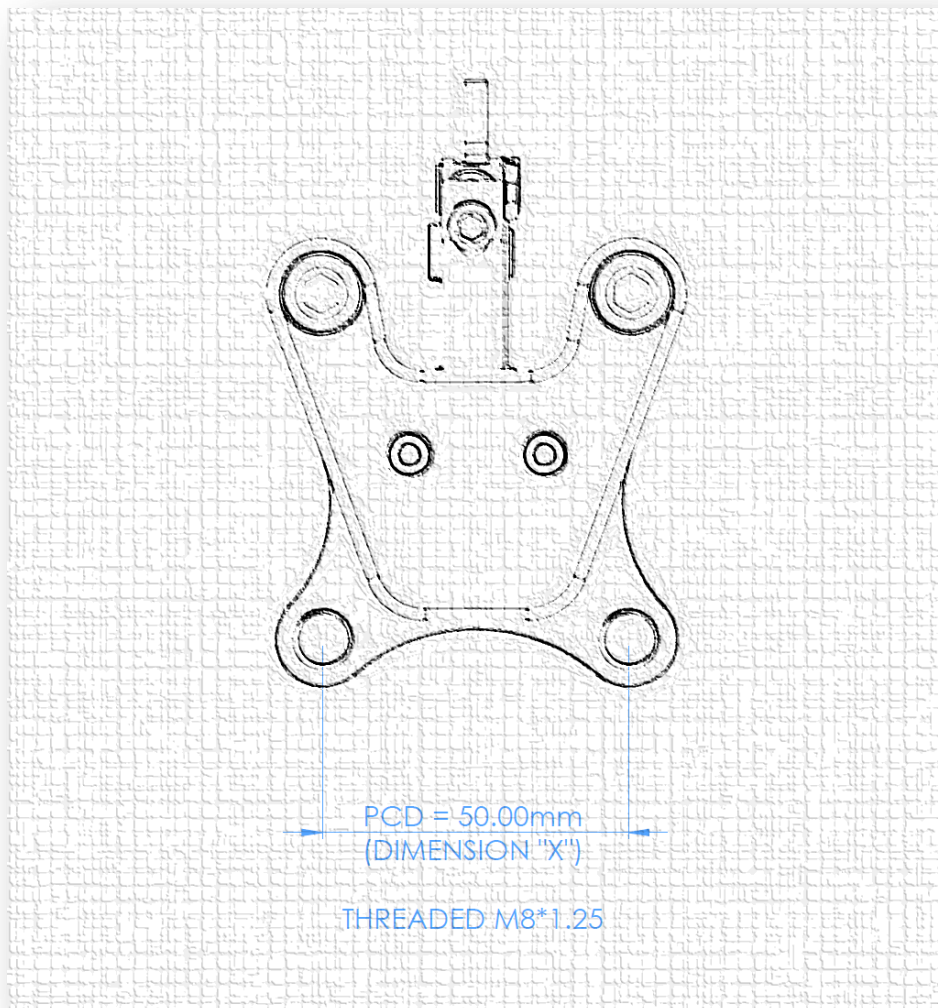
See below...



1<sup>st</sup> the “X” dimension

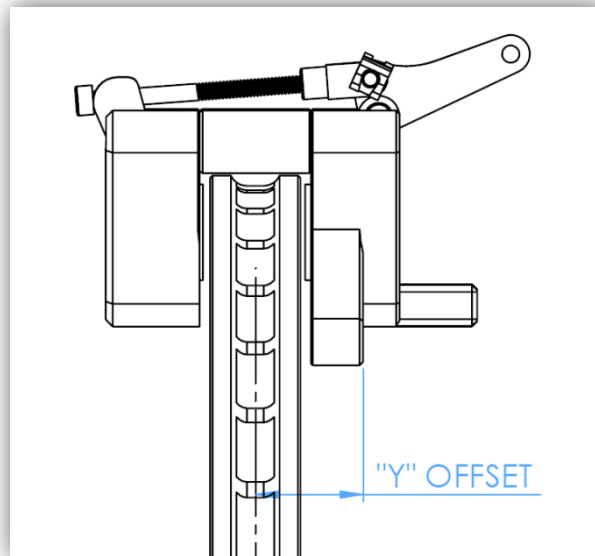
This is the simplest of the three; it is the spacing/distance between the two mounting holes in the caliper lugs. It is also known as the PCD.

The “V1” spot caliper is only currently available with one option which is 50mm.



The mounting lugs are threaded M8 \* 1.25mm

The “Y” dimension is the offset/distance from the centre of the rotor to the mounting face on the caliper lugs.



“Y” is a little more complicated because it is different depending on what thickness of rotor you are using.

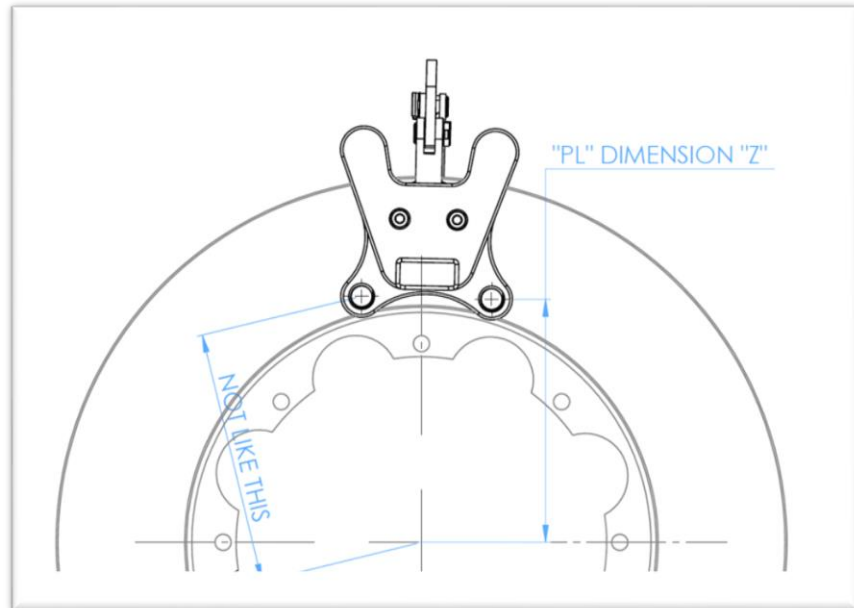
See the table below...

Disc Thickness	Spacer Size	"Y" mounting offset
6	12	24.5
8	14	25.5
10	16	26.5
12	18	27.5
13	19	28.0
14	20	28.5
16	22	29.5
18	24	30.5
20	26	31.5
22	28	32.5
24	30	33.5
26	32	34.5
28	34	35.5
30	36	36.5
32	38	37.5
34	40	38.5
36	42	39.5

Finally - "Z".

"Z" is also known as the "PL" dimension.

It is measured straight from the centre of the rotor to the centre of the caliper mounting holes.



Be careful not to measure diagonally, an easy mistake.

<u>Disc Diameter</u>	<u>"Z" / "PL" Dimension</u>
(mm)	(mm)
240	73.2
245	75.9
250	78.4
255	81
260	82.5
265	86.1
270	88.6
275	91.1
280	93.7
285	96.2
290	98.8
295	101.2
300	103.8
305	106.3
310	108.8
315	111.4
320	113.9
325	116.4
330	118.9
335	121.5
340	124

This measurement also changes depending on the size of the rotor that you decide to use.

See the table to the left...

## Pads

Pads (or replacement pads) are available to order straight from our website. However please be aware that this caliper comes with a set of pads pre-installed by us when you purchase them.

Home Contact Us About Us Guides & Advice

**HiSPEC**  
BRAKES

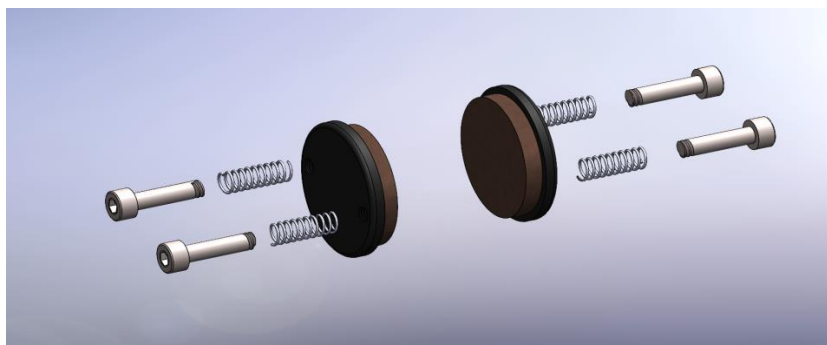
Tel: 01322 286 850  
Email: sales@hispemotorsport.co.uk  
Keep up to date with our products and offers on facebook

Conversions Rotors & Discs Callpers Accessories & Hardware Uprights

Ultralite 2 SVA	Part Number	Price excl. VAT	
EBC Standard Road	PADDP106	£16.80	<a href="#">Add To Cart</a>
EBC Green Stuff	PADDP2106	£37.45	<a href="#">Add To Cart</a>
Ferodo DS2500	PADFCP810H	£88.01	<a href="#">Add To Cart</a>
Ferodo DS3000	PADFCP810R	£107.09	<a href="#">Add To Cart</a>
Mintex 1144	PADMBS3344	£43.88	<a href="#">Add To Cart</a>
Mintex 1155	PADMBS3355	£57.47	<a href="#">Add To Cart</a>
Carbon Lorraine RC5	PAD5002W48T14-RC5	Call for price	
Carbon Lorraine RC6	PAD5002W48T14-RC6	Call for price	

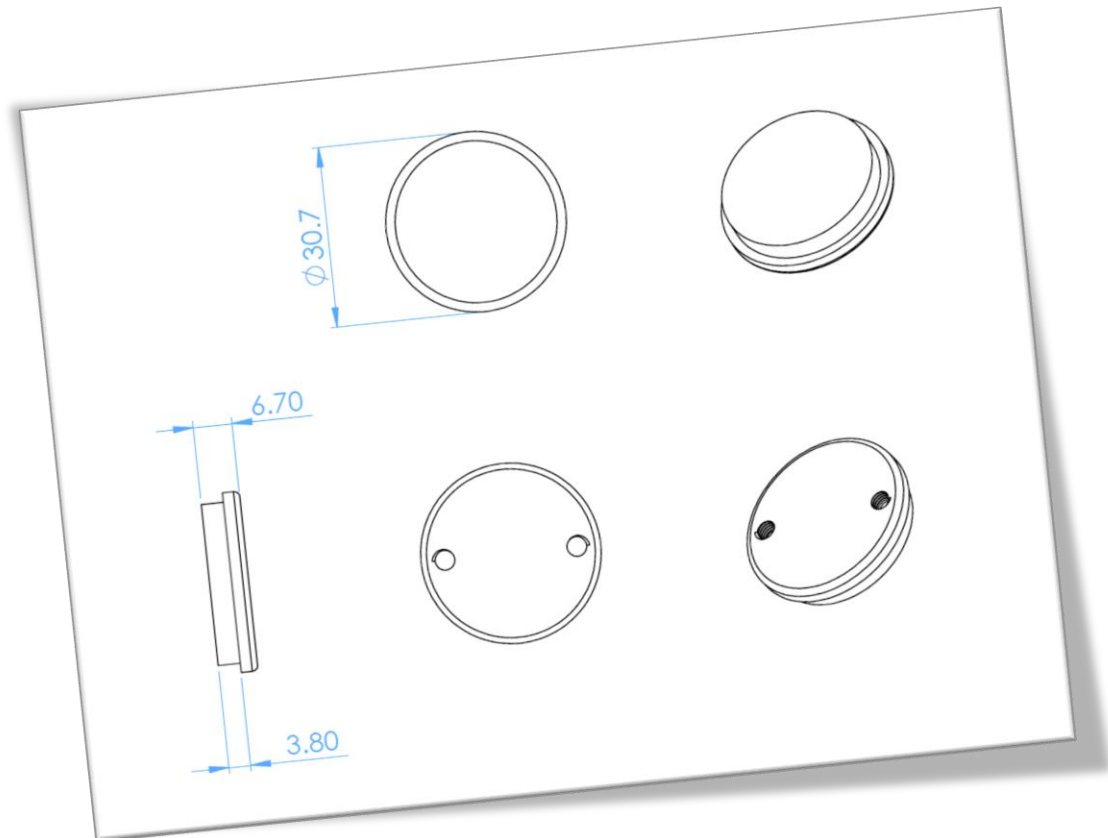
Spot SVA	Part Number	Price excl. VAT	
EBC Standard Road (SVA spot V1 AND ALL SVA handbrake callipers)	PADDP177M1	£22.00	<a href="#">Add To Cart</a>
<del>EBC Standard Road (SVA spot V2 ONLY)</del>	<del>PADDP177M2</del>	<del>£22.00</del>	<del><a href="#">Add To Cart</a></del>

When ordering new pads you are actually ordering a “kit” which includes replacement retaining screw and replacement springs.



These are small pads, and that is because we wanted a small & light weight caliper.

They work well as “parking brake pads” which is what they are designed to be, but, they are not suitable for handbrake turns or slowing the vehicle down in anyway, except for in an emergency. This is because their small size means that they will wear out relatively fast.

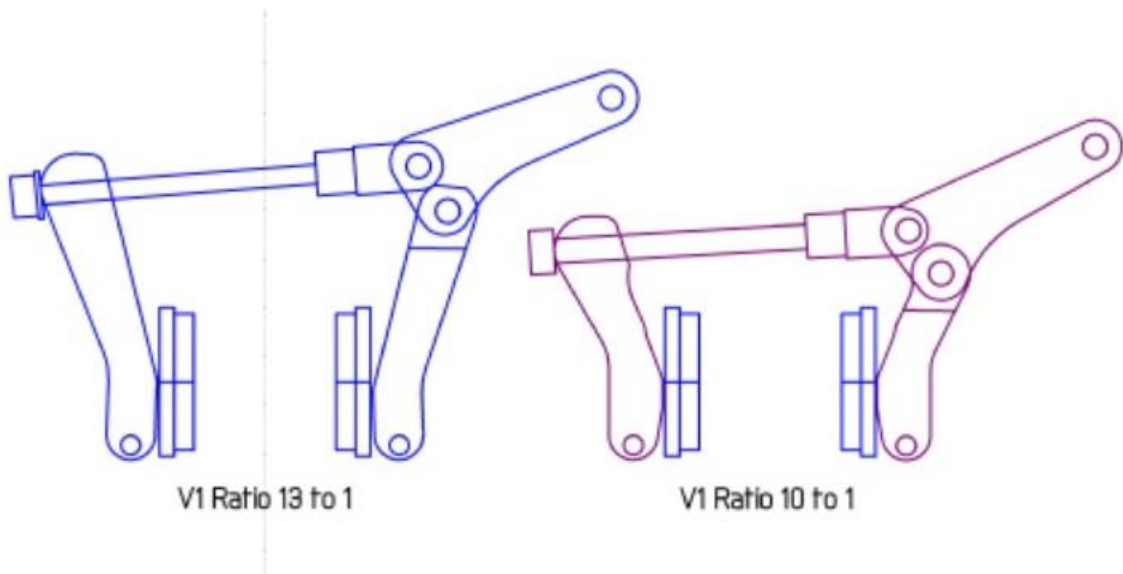


These calipers can work very well indeed when adjusted correctly, but the flip side to that is that they can perform quite poorly when adjusted incorrectly.

We have a separate guide to help you set up/adjust your calipers for optimal performance. Look in the “Ultralite SVA” section on our website.

And that leads us onto the arms & levers...

The arms and levers in this caliper are critical to set up correctly for optimum performance (see the guide mentioned on the last page) but for further control over the performance, two different sets of arms & lever are available in different ratios.



These are available to purchase and retro fit into existing calipers if required.

The higher ratio set is the more powerful, but as with everything in life there is a compromise....

They are also worse for wheel clearance & also there will be a little more travel at the handbrake lever.

The smaller ratio set is usually more than enough for most applications.

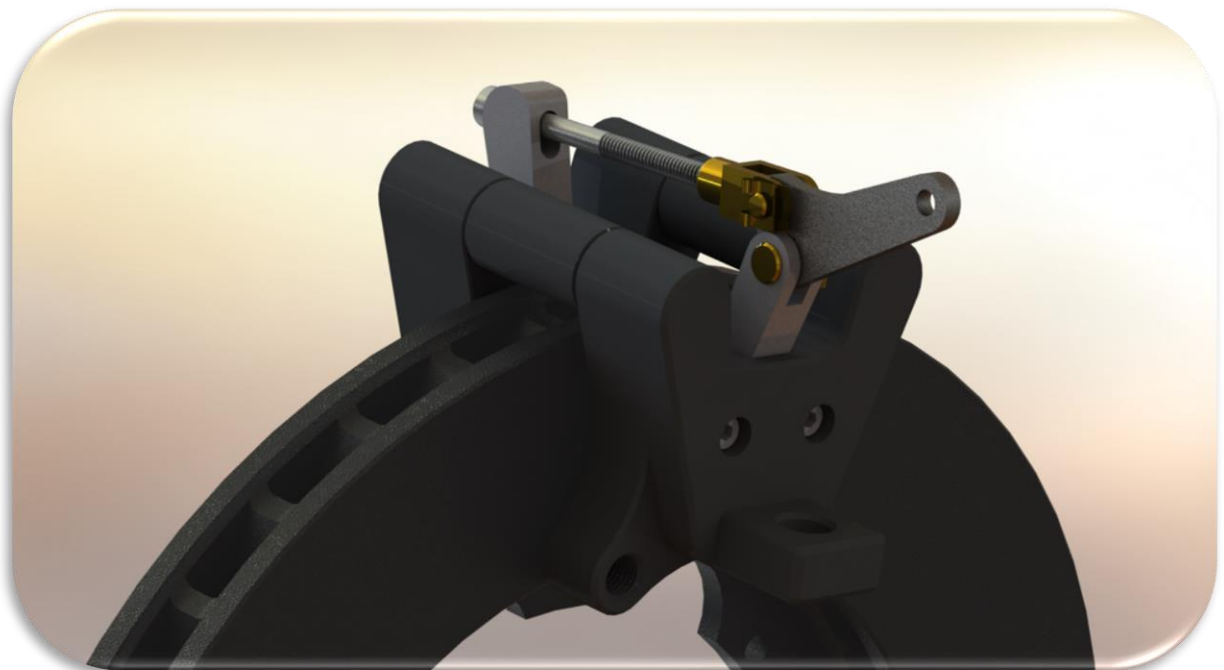
If you are concerned about the power we would recommend you look into our "V2" or "V3" option Spot Handbrake Calipers.



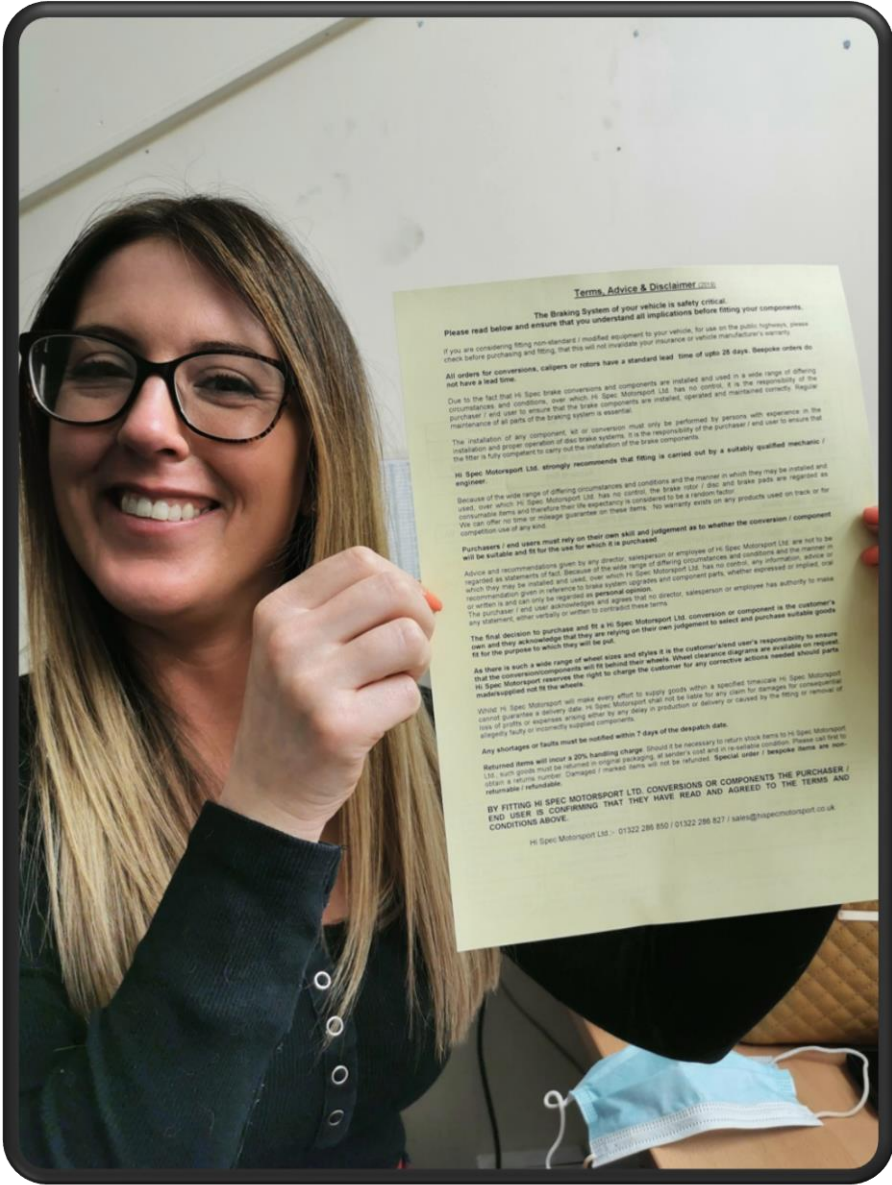


As it is not possible to produce these to be compatible with every design of handbrake cable available, we have designed a simple & reliable “universal” design.

Please pay attention to the lever attachment point, if needed compatible handbrake cables are available from us.



We wish you many years of enjoyment from your new caliper, but don't forget as our cheerful legal department says "always read the small print"



**Terms, Advice & Disclaimer**

The Braking System of your vehicle is safety critical.

Please read below and ensure that you understand all implications before fitting your components. If you are considering fitting non-standard / modified equipment to your vehicle, for use on the public highway, please check before purchasing and fitting, that this will not invalidate your insurance or vehicle manufacturer's warranty.

All orders for conversions, calipers or rotors have a standard lead time of up to 28 days. Bespoke orders do not have a lead time.

Due to the fact that Hi Spec brake conversions and components are installed and used in a wide range of differing circumstances and conditions, one which Hi Spec Motorsport Ltd has no control, it is the responsibility of the purchaser / end user to ensure that the brake components are installed, operated and maintained correctly. Regular maintenance of all parts of the braking system is essential.

The installation of any component, kit or conversion must only be performed by persons with experience in the installation and proper operation of disc brake systems. It is the responsibility of the purchaser / end user to ensure that the fit is fully compliant to carry out the installation of the brake components.

Hi Spec Motorsport Ltd, strongly recommends that fitting is carried out by a suitably qualified mechanic / engineer.

Because of the wide range of differing circumstances and conditions and the manner in which they may be installed and used, user which Hi Spec Motorsport Ltd has no control, the Brake rotor / disc and brake pads are regarded as consumable items and therefore that the warranty is considered to be a random factor.

We can offer no time or mileage guarantee on these items. No warranty exists on any products used on track or for competition use of any kind.

Purchasers / end users must rely on their own skill and judgement as to whether the conversion / component will be suitable and fit for the use for which it is purchased.

Advice and recommendations given by any director, salesperson or employee of Hi Spec Motorsport Ltd are not to be regarded as statements of fact. Because of the wide range of differing circumstances and conditions and the manner in which they may be installed and used, user which Hi Spec Motorsport Ltd has no control, any information, advice or recommendation given in reference to brake system upgrades and component parts, whether expressed or implied, oral or written is and can only be regarded as personal opinion.

The purchaser / end user acknowledges and agrees that no director, salesperson or employee has authority to make any statement, either verbally or written to contradict these terms.

The final decision to purchase and fit a Hi Spec Motorsport Ltd conversion or component is the customer's responsibility and they acknowledge that they are relying on their own judgement to select and purchase suitable goods fit for the purpose for which they will be used.

As there is such a wide range of wheel sizes and styles it is the customer's responsibility to ensure that the conversion/component will fit behind their wheels. Wheel clearance diagrams are available on request. Hi Spec Motorsport reserves the right to charge the customer for any corrective actions needed should parts manufactured not fit the wheels.

Whilst Hi Spec Motorsport will make every effort to supply goods within a specified timeframe Hi Spec Motorsport cannot guarantee a delivery date. Hi Spec Motorsport shall not be liable for any claim for damages for consequential loss of profits or expenses arising either in any delay in production or delivery or caused by the fitting or removal of illegally faulty or non-compliant components.

Any shortages or faults must be notified within 7 days of the despatch date.

Returned items will incur a 20% handling charge. Items not to be returned to Hi Spec Motorsport Ltd. Items that are returned must be returned in original packaging, at sender's cost and in re-saleable condition. Please call free to 01222 286 850 for more information. Damaged / missing items will not be refunded. Special order / bespoke items are non-refundable.

BY FITTING HI SPEC MOTORSPORT LTD. CONVERSIONS OR COMPONENTS THE PURCHASER / END USER IS CONFIRMING THAT THEY HAVE READ AND AGREED TO THE TERMS AND CONDITIONS ABOVE.

Hi Spec Motorsport Ltd - 01222 286 850 / 01222 286 827 / sales@hispemotorsport.co.uk

