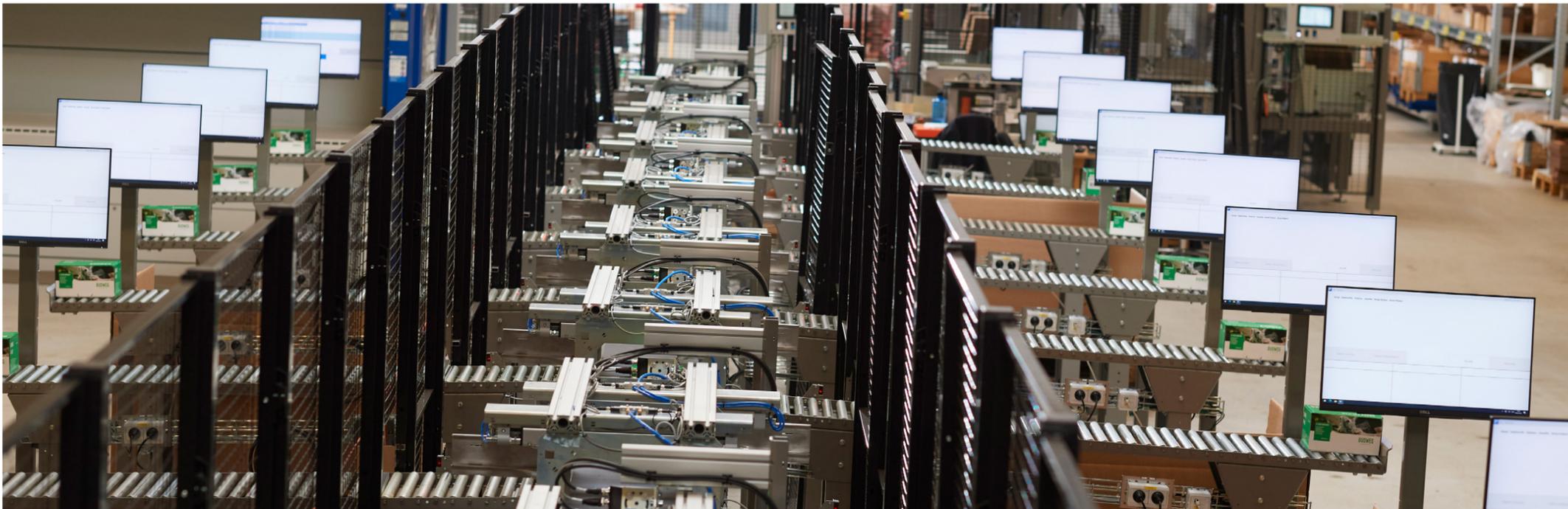


BUDWEG

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EUROPE'S BIGGEST SELECTION OF HIGH-QUALITY AFTERMARKET BRAKE CALIPERS AND SPARE PARTS

Budweg is well-known in the automotive after-market for the flawless product quality of the company's remanufactured brake calipers, and the same level of product quality and know-how is a cornerstone in the company's extensive spare-parts program as well.

Part of Budweg's core business is to provide spare parts reliably and swiftly, and currently we are able to supply calipers and spare parts expressly for 98% of the European car population, which includes more than 4,200 caliper models and 2,400 spare part numbers. Budweg's extensive catalogue and swift delivery is appreciated by its customers, but what adds lasting value to Budweg's products is the general level of product quality, as it is the level of quality that ensures that our customers don't have to handle unnecessary

claims and inconveniencing their customers. And there really is no secret to it; Budweg just insists on using top-tier materials and state-of-the-art processes to manufacture its products.

We put our name and reputation on the products

At Budweg, we insist on the highest level of quality, whether it be in our production processes, our customer support, or in the base materials we use. We do our best to ensure the market's highest and most consistent product quality, and that is the reason that you can always find the Budweg name on all rubbers for the caliper products where possible.

And we are very proud of our products. We take no shortcuts when it comes to quality and safety; we develop and produce our own tools, test stations, and quality standards that far exceed the quality that is otherwise sold on the aftermarket. But most importantly: our customers are satisfied, resulting in Budweg having one of the automotive aftermarkets lowest claims-rate, which consistently is below 0.3%.

Rubber is not just rubber

With a product like brake calipers, it is very easy to only focus on the metal parts of the product, which in all fairness do make up most of the physical bulk of the product. But without the rubber components, the mechanical parts would have a terribly hard time functioning. As such, one could say that our rubber parts are critical components, which is the reason that we go to great lengths to source the rubber used in our rubber-based components like gaskets and O-rings. And to be com-



The Budweg name stamped on all rubbers where possible gasket.



Budweg's O-rings have been tested and qualified at the Danish Technological Institute.

pletely certain that we only use rubber with adequate properties, we have had our rubber O-rings tested at the Danish Technological Institute.

The tests were performed with both unprepared O-rings and O-rings aged in brake-fluid at a temperature of 150 degrees Celsius for 70 hours prior to the test, and both the aged and non-aged sample showed remarkably positive properties concerning hardness, tensile strength, elongation and compression.

So, why is this rubber so important?

The rubber is important, not only because of the general durability and longevity of the complete

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Budweg's hard chrome piston

caliper, but the quality of the rubber is also tied to the functionality of the brakes - especially in relation to the O-rings that are used for the pistons.

The O-ring used for the piston in the caliper is a type of square O-ring with very specific deformation properties, which allows the piston to "roll-back", that is, to pull back into its resting position after braking. A significant part of a smooth roll-back function is based on just the right level of grip between the O-ring and cylinder surface, allowing the piston to retain its sealing properties while moving effortlessly.

” *The square O-ring is in so many ways the most important part in a brake-caliper and it is of the greatest importance that it has the right properties,* explains Bertel Ravn, CTO at Budweg.

It goes without saying that Budweg has invested a lot of time and effort into fine-tuning the rubber parts, which is why the Budweg logo is stamped on the rubber gaskets for the calipers and the repair kits, so that our customers can always be sure that their calipers use rubber parts of the highest quality with the right functionality.



The indispensable square O-ring for the caliper piston.

Spare parts designed towards durability

Budweg's dedication to hold itself to a higher standard is of course not limited to just the rubber parts. In combination with a high-quality surface treatment, such as the hard Chrome used for most of Budweg's pistons, and a healthy helping of silicone grease and silicone lubricants, one can expect reduced friction and maintenance costs over time.

But a mechanism is not stronger than the weakest part, which is the reason that we apply a hermitically closed surface treatment of chemical nickel to the critical guide bushings, thus preventing potential corrosion from travelling from a minor to a major part.

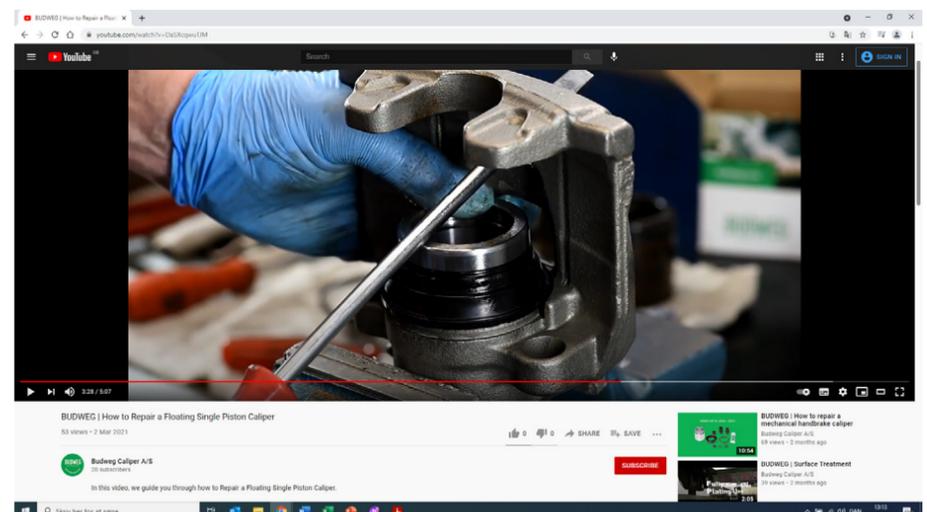
Easy-to-follow best practice videos and guides
Quality spare parts are surely a solid step on the road towards unproblematic and safe brake calipers for many years, but a proper installation of the caliper and its parts are just as important for reliable brake-functionality over time. And we know that the hard-working mechanics who perform the caliper maintenance have a lot of details to keep track of. To offer a helping hand, we have documented some of the most common maintenance procedures and made them available on Budweg's youtube channel, so the best practice is never further away than your phone.

Follow Budweg on social media!

On Budweg's social media channels you can always watch the latest Budweg news, support videos and practical guides, and of course about our products.



www.budweg.com



Caliper maintenance video on YouTube