

TIBUS

OFFROAD ENGINEERING

TIBUS Bolt-on portals

Extraordinary clearance for extraordinary adventures

Portal axles create unique ground clearance by virtue of the axle tube and the differential housing being situated above the wheel center. This technology is the only way to properly achieve proper ground clearance that doesn't just affect the car's body.

TIBUS Bolt-on portals will give your vehicle a „lift“ of about four to five inches (100 to 125 mm). Naturally, by using larger wheels you'll be able to augment your ground clearance even further.

TIBUS Bolt-on portals are available for Land Rover, Mercedes Benz G-wagon and UAZ as well as for some Jeep and various Toyota models. Also for Suzuki Jimny and Polaris UTV. Portals for other vehicles will follow soon.



TIBUS Offroad Ltd. & Co. KG

Roffhausener Landstrasse 25

26419 Schortens / Germany

Tel.: +49 (0) 4421 70 69 1

Fax: +49 (0) 4421 70 19 10

info@tibus-offroad.com

www.tibus-offroad.com



Whatever you want, wherever you go...

Extraordinary clearance for extraordinary adventures

The bolt-on solution developed by TIBUS Offroad Engineering is an unrivaled way of maintaining the modified car to use as your daily driver.

You can get a lift of up to 8" keeping the stock suspension, maintain use of the OEM electronic damping, ABS, traction control and other electronics (if equipped) without any error codes or warning lights activating.

In order to drive larger wheels no further modifications have to be made to the suspension. The entire axle and steering geometry is also maintained. TIBUS Bolt-on portals are installed on the existing axles, with their special design maintaining their rotating direction. The portal reduction guides the power to the wheels, while the portal gear ratio reduces the load on the complete drive train since the torque acts only on the wheel.

The gear ratio of the TIBUS Bolt-on portals is between 1.16 - 1 to 1.6 - 1 depending on the type of vehicle and it's intended use.

The overall axle ratio changes corresponding to the respective factor, which makes it possible to drive large wheels without having to adjust the gear ratio of the differentials.



LAND ROVER DEFENDER



MERCEDES BENZ G



JEEP



TOYOTA



UAZ



SUZUKI JIMNY