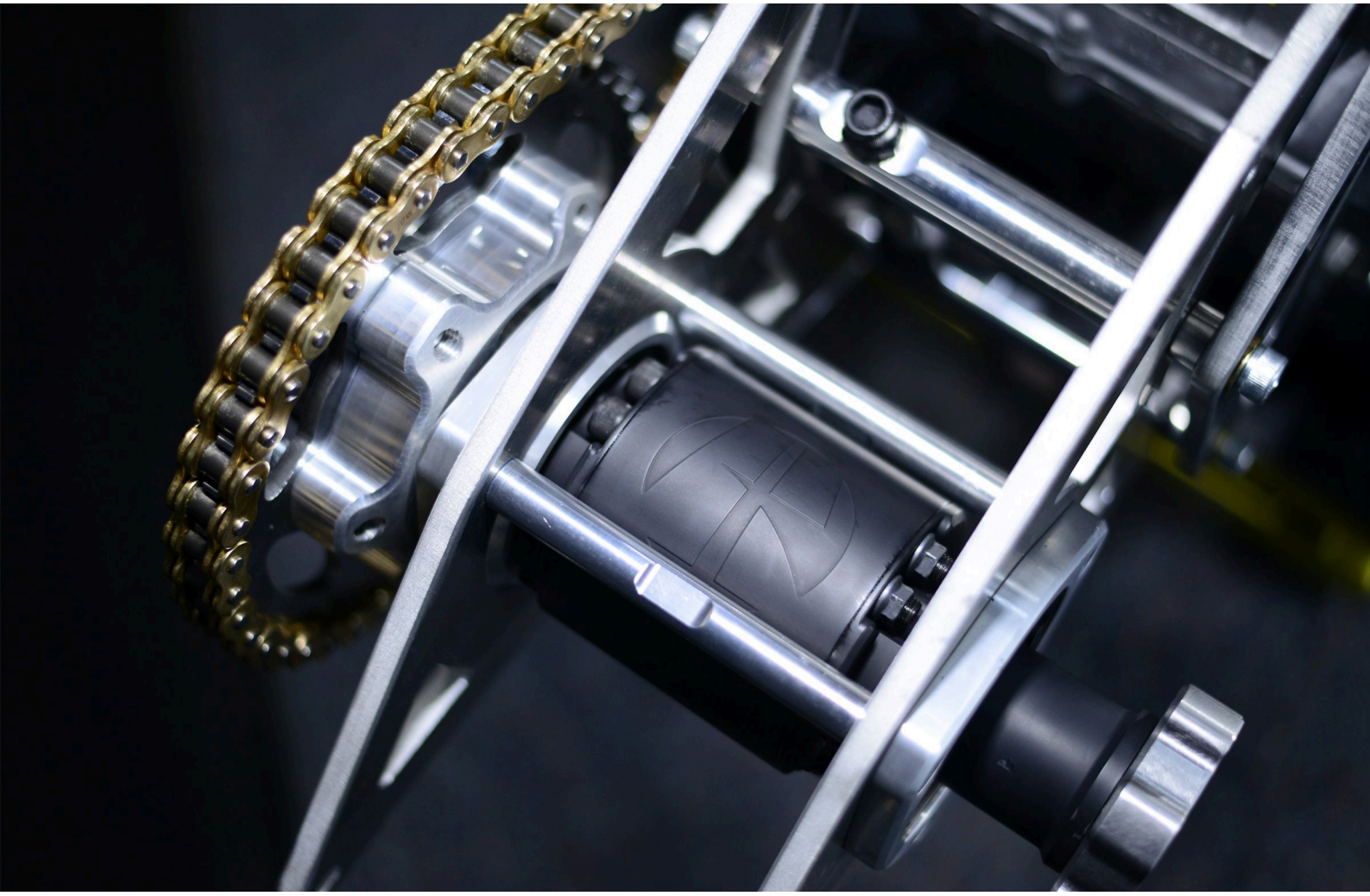


01 DRIVELINE

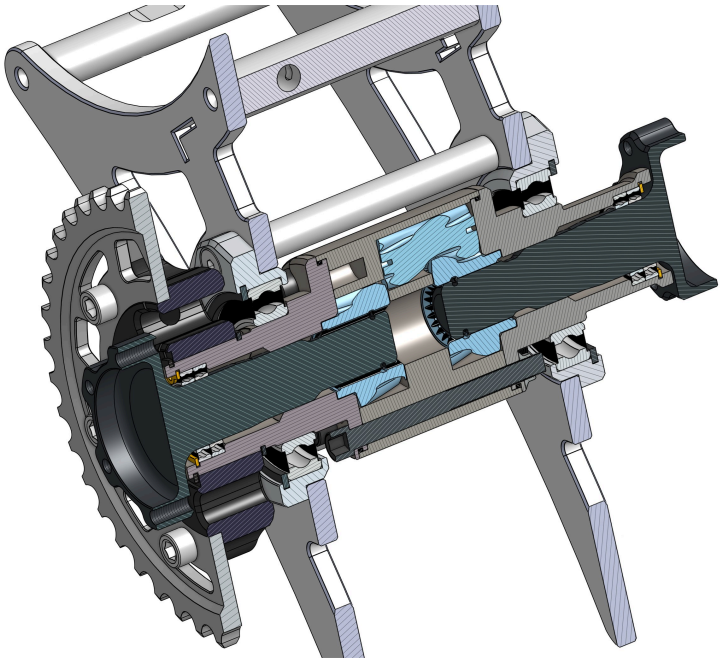
CHAIN DRIVEN ATB LIMITED SLIP DIFFERENTIAL

A one of a kind chain driven, auto torque biasing limited slip differential. We designed it for the Hyper Racer X1, and it's now available for your own build.

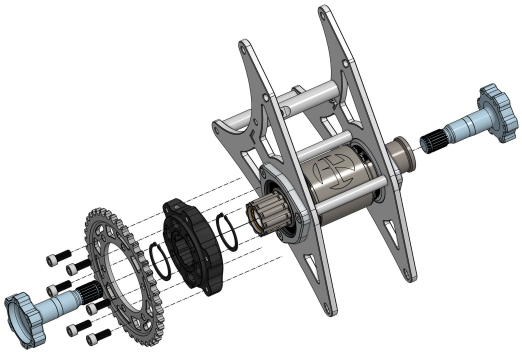
When both rear wheels have similar grip, the drive is split evenly between them. When one starts to slip, on a wet patch or as the inside wheel goes light, an open differential sends most of the torque to the wheel that's spinning. Ours sends it to the wheel that can use it. Under load, the helical gears thrust against the housing, and that adds resistance on the faster turning side, biasing torque toward the wheel with more grip.

We developed our own gear set for it, tuning how strongly it biases so the car turns in cleanly on corner entry and puts its power down on exit.

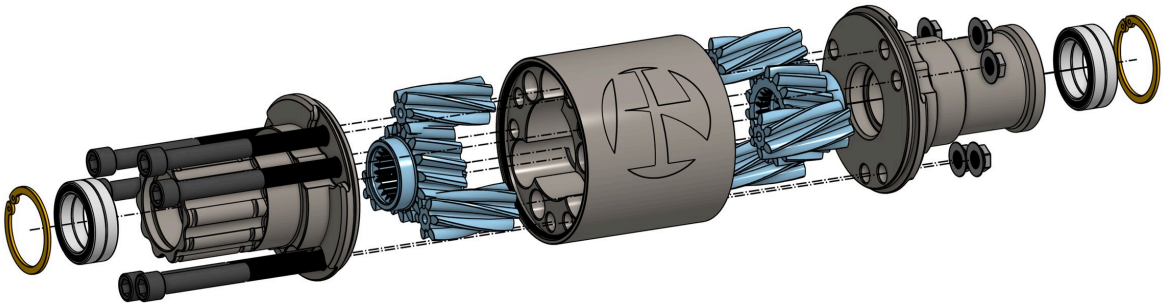
It comes with its bearings, bearing carriers and sprocket carrier, ready to mount to plates of your own design, or add the Hyper Racer mounting plates and build around them. Drive leaves through a 6 bolt drive flange, so you can design axles to suit your build.



— Section view through the differential and bearing carriers, in the Hyper Racer mounting plates



— Drive flanges and sprocket, with the optional mounting plates



— The differential, exploded

IN THE KIT

- Chain driven ATB limited slip differential
- Sprocket carrier
- Bearings and bearing carriers
- 6 bolt drive flange
- Mounting hardware

OPTION

- Hyper Racer mounting plates

WHY FIT IT

- Drives the wheel with grip, not the one spinning
- Gears tuned for corner entry and exit
- Mounts to plates of your own design
- Design your axles around the flange

ENQUIRE ABOUT THIS PART

Tell us about your build and we will come back to you with pricing, availability and fitment.

ONLINE
hyperracer.com/parts

EMAIL
service@hyperracer.com

SCAN FOR THIS PART