

KFORCE
WE

WELCOME



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WE

KFORCE **WE**

WITH ROOTS IN THE HISTORY OF **FSA** AND REPRESENTING ITS FUTURE...

FSA'S first product range was FRAME COMPONENTS (headsets and cockpits). After that first success, DRIVETRAIN COMPONENTS (cranksets and BB's) were developed. Then, a triathlon / time trial MECHANICAL DRIVETRAIN was created under the VISION brand. Now finally,

FSA INTRODUCES A
COMPLETE ELECTRONIC DRIVETRAIN



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FULLSPEEDAHEAD.COM

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AFTER 5 YEARS OF DEVELOPMENT AND LAB TESTING
AND 2 YEARS OF TESTING ON THE ROAD...

WE IS READY



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CONTROL

CUSTOMIZABILITY

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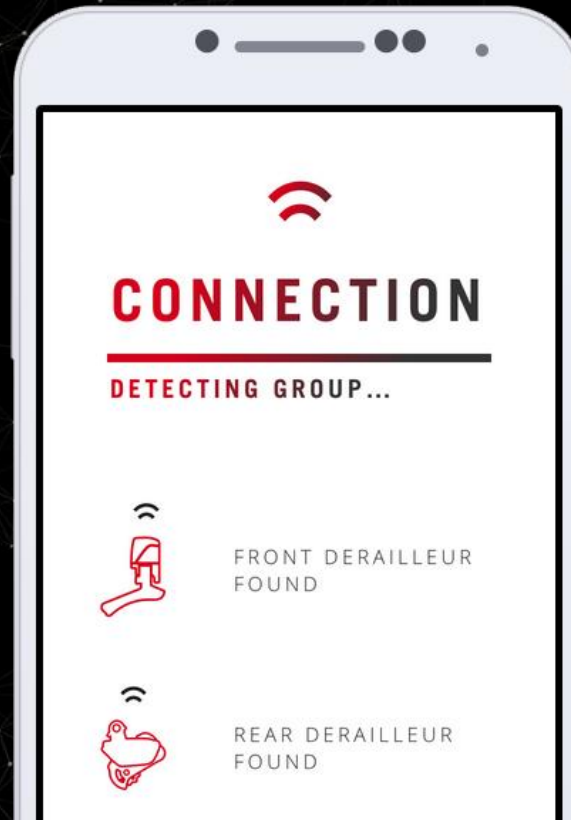
COMFORT
=
PERFORMANCE

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DEDICATED APP
WITH FULL
MONITORING

WIRELESS DESKTOP and SMARTPHONE
APPLICATIONS

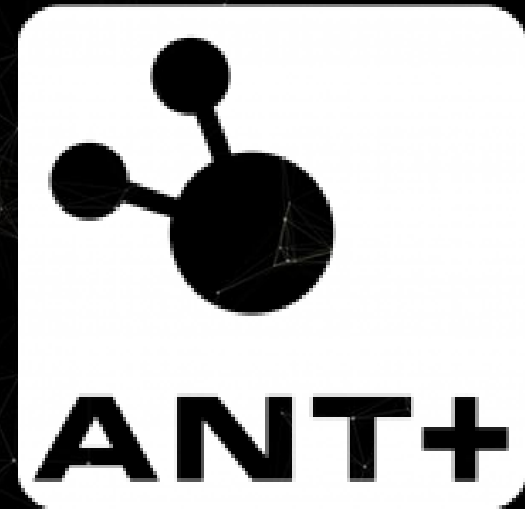


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SIGNALS ARE TRANSMITTED VIA ANT+



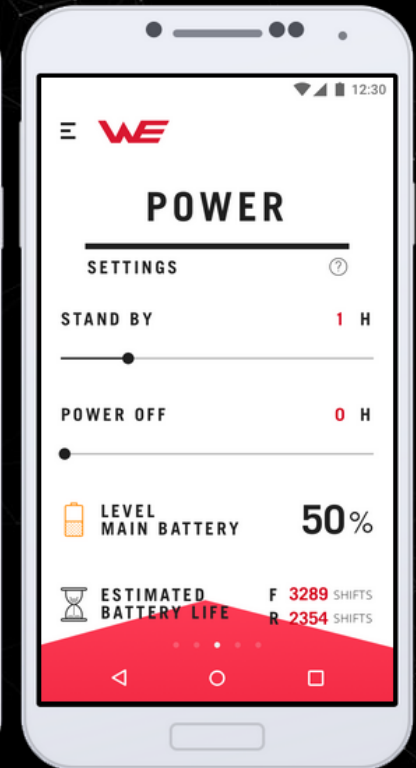
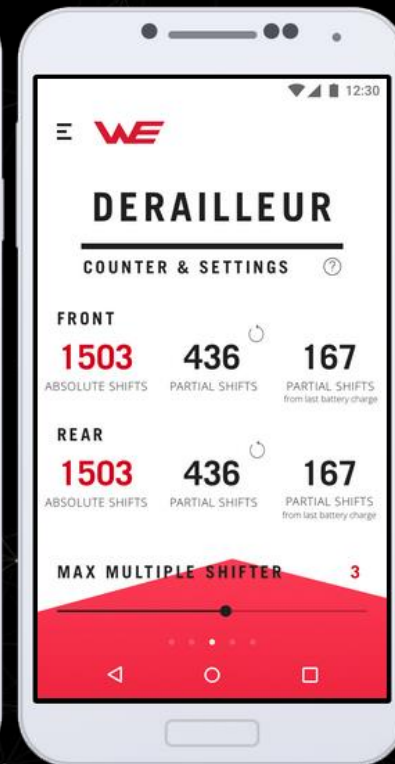
Enormous opportunities to record and share a world of data.

Compatible with many other ANT+ equipped bike computers.



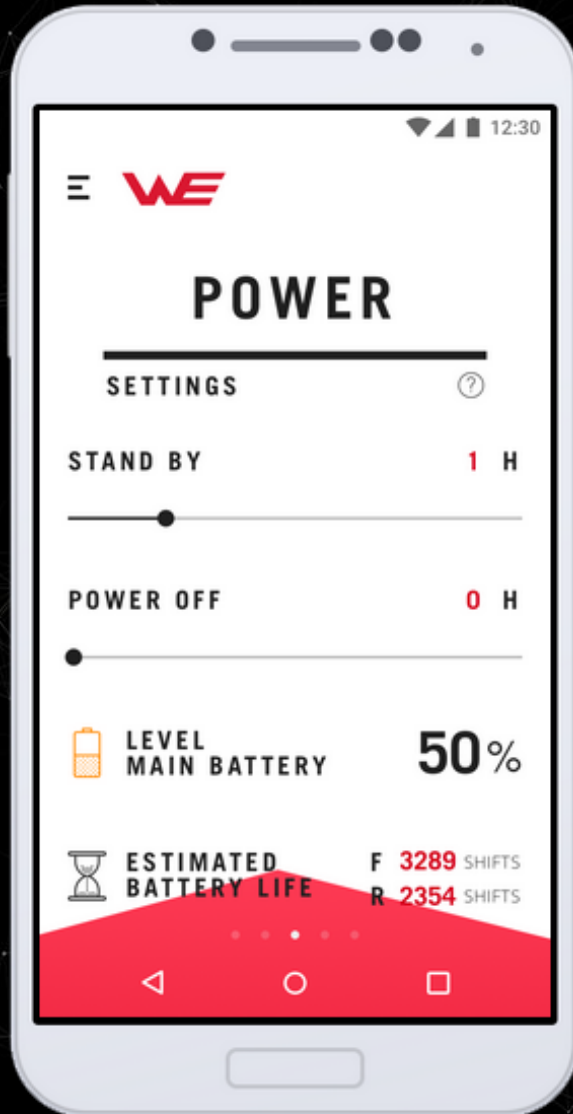
DEDICATED APPs
WITH FULL
MONITORING

Ability to **CUSTOMIZE** and perform **DIAGNOSTICS** on the entire system



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DEDICATED APP
WITH FULL
MONITORING



Calculates the remaining battery level

BASED ON THE USE OF THE BIKE

and

FRONT and REAR SHIFT COUNTS

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IS A COMPLETE WIRELESS ELECTRONIC GROUP FOR
ROAD BIKES INCLUDING:

- Wireless Electronic Shifter/Brake Levers
- Electronic Front Derailleur
- Electronic Rear Derailleur
- Battery
- Cables for connection of derailleurs to battery
- Battery Charger
- Cassette
- Crankset
- Chain
- Brakes



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ERGONOMICS

The shape of the housing and lever is ACCURATELY DESIGNED for OPTIMUM ERGONOMICS.

INNOVATIVE

TWO INTERCHANGEABLE LEVER SIZES:

standard and compact for different hand sizes

REACH ADJUSTMENT :

adjusts the distance of the levers to the
handlebar



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HYBRID
WIRELESS

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GEAR
OPTIONS

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HYBRID
WIRELESS

HYBRID WIRELESS DRIVETRAIN gives you more not less:

WIRELESS SHIFTERS

for

EASIER INSTALLATION

plus

DERAILLEURS connected with a cable

to a BIGGER BATTERY for

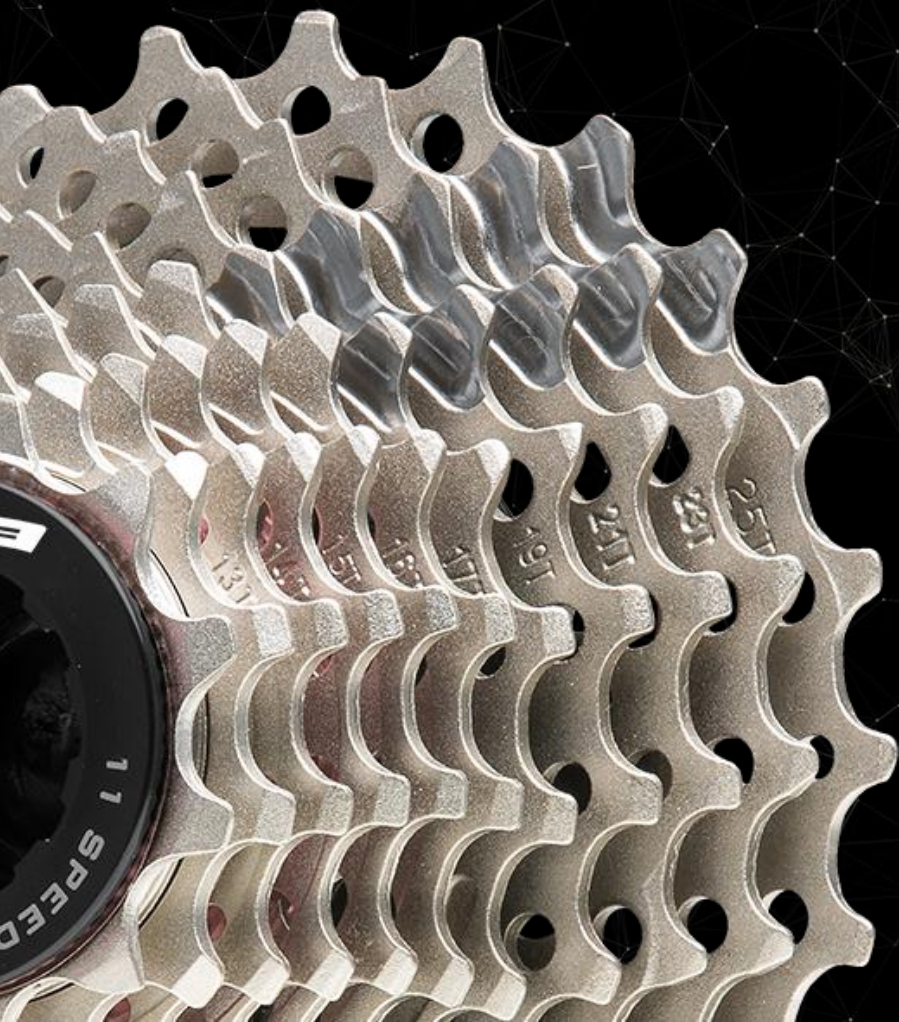
LONGER AUTONOMY



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GEAR OPTIONS

**WIDE GEAR
RANGE OPTIONS
(UP TO 11-32)**



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KFORCE CRANKSET

UD CARBON FINISH
Lighter weight

BB386EVO SPINDLE
Maximum frame compatibility

LENGTH AVAILABILITY
165, 170, 172.5, 175, 177.5, 180mm

CHAINRING COMBINATIONS
53/39T, 52/36T, 50/34T



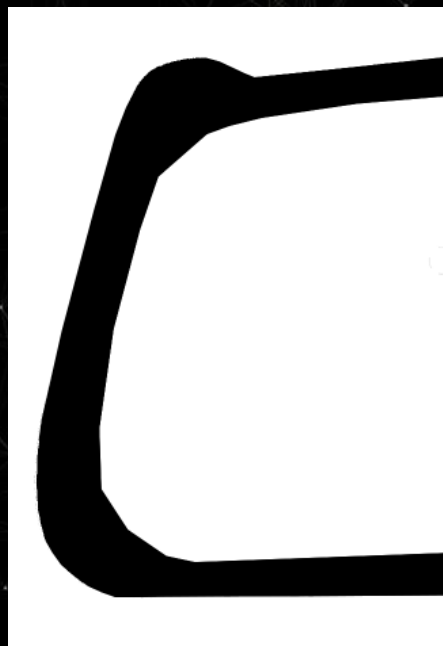
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KFORCE CRANKSET



HOLLOW CARBON CRANKSET

Reduced weight
Excellent stiffness



VARIABLE THICKNESS

- Reinforced at critical stressed areas
- Reduced in other areas for lighter weight
- Innovative design for a better ride

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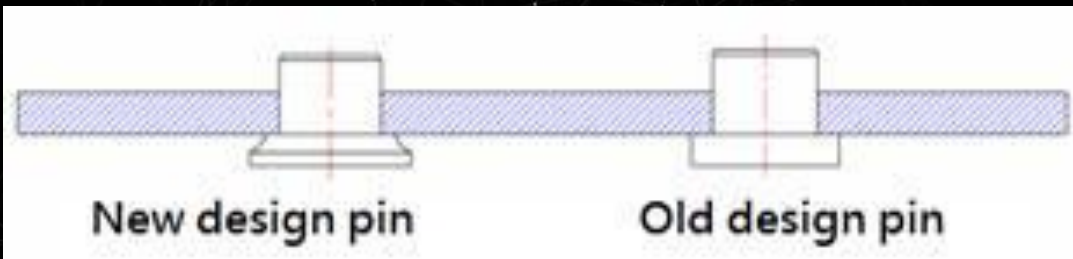


NEW CHAINRING PIN DESIGN

AL7075 forged then 100% CNC 3D machining.

Outer chainring stiffness 120% increased.

More efficient up-shift pin design for full-power performance.



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KFORCE WE SHIFTERS

ANT WIRELESS TECHNOLOGY
to communicate with the derailleurs

2 INTERCHANGEABLE LEVER SIZES
for best ergonomics

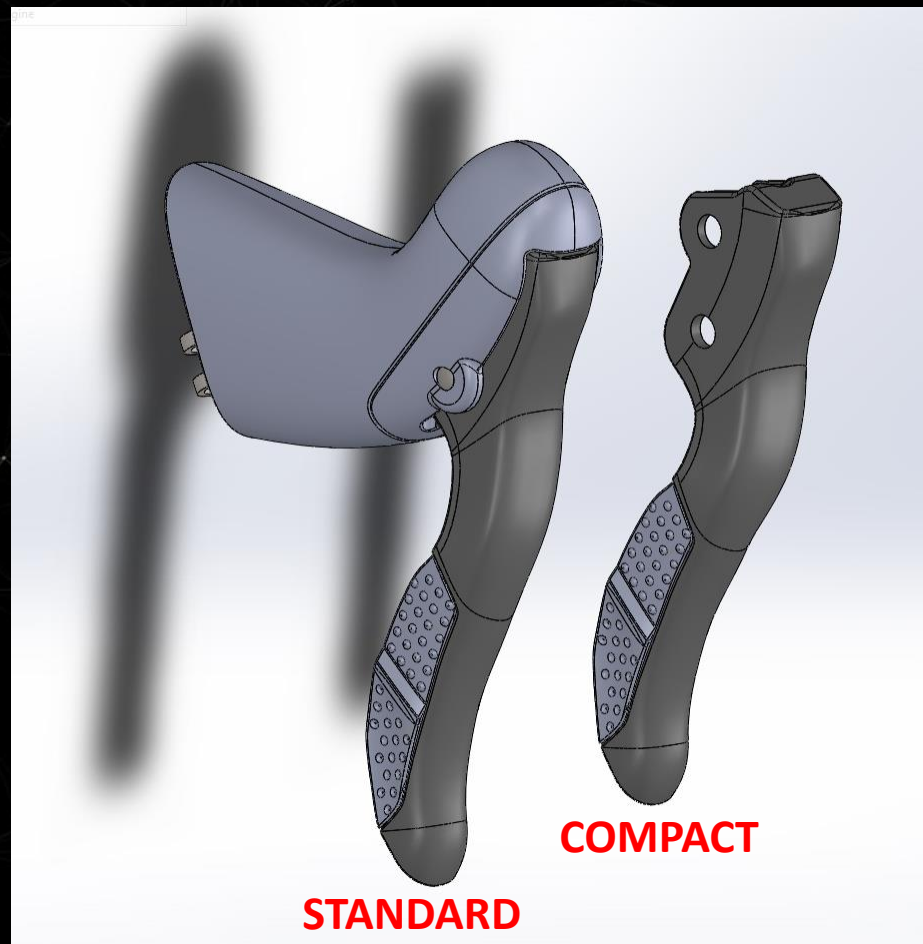
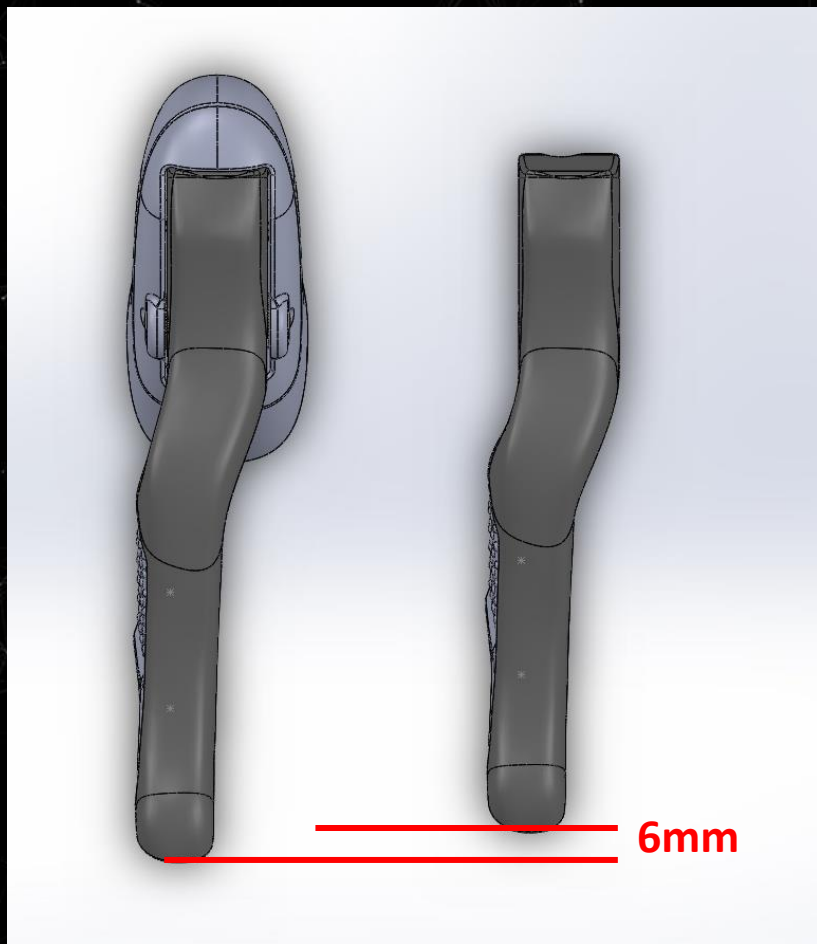
ADJUSTABLE REACH
to adjust the lever distance to the
rider's hands

UD CARBON LEVERS
for lighter weight



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KFORCE **WE** INTERCHANGEABLE
SHIFT LEVERS



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KFORCE WE REAR DERAILLEUR

11- SPEED SYSTEM

30T total capacity, maximum cog size 32T

COMPOSITE PULLEYS

low friction / energy saving

SINGLE ARM CONSTRUCTION

with timing gear

**UNIQUE ELECTRONICALLY-DRIVEN GEARBOX MOVES
THE CAGE PRECISELY**

for superior shifting accuracy

COMPACT DESIGN

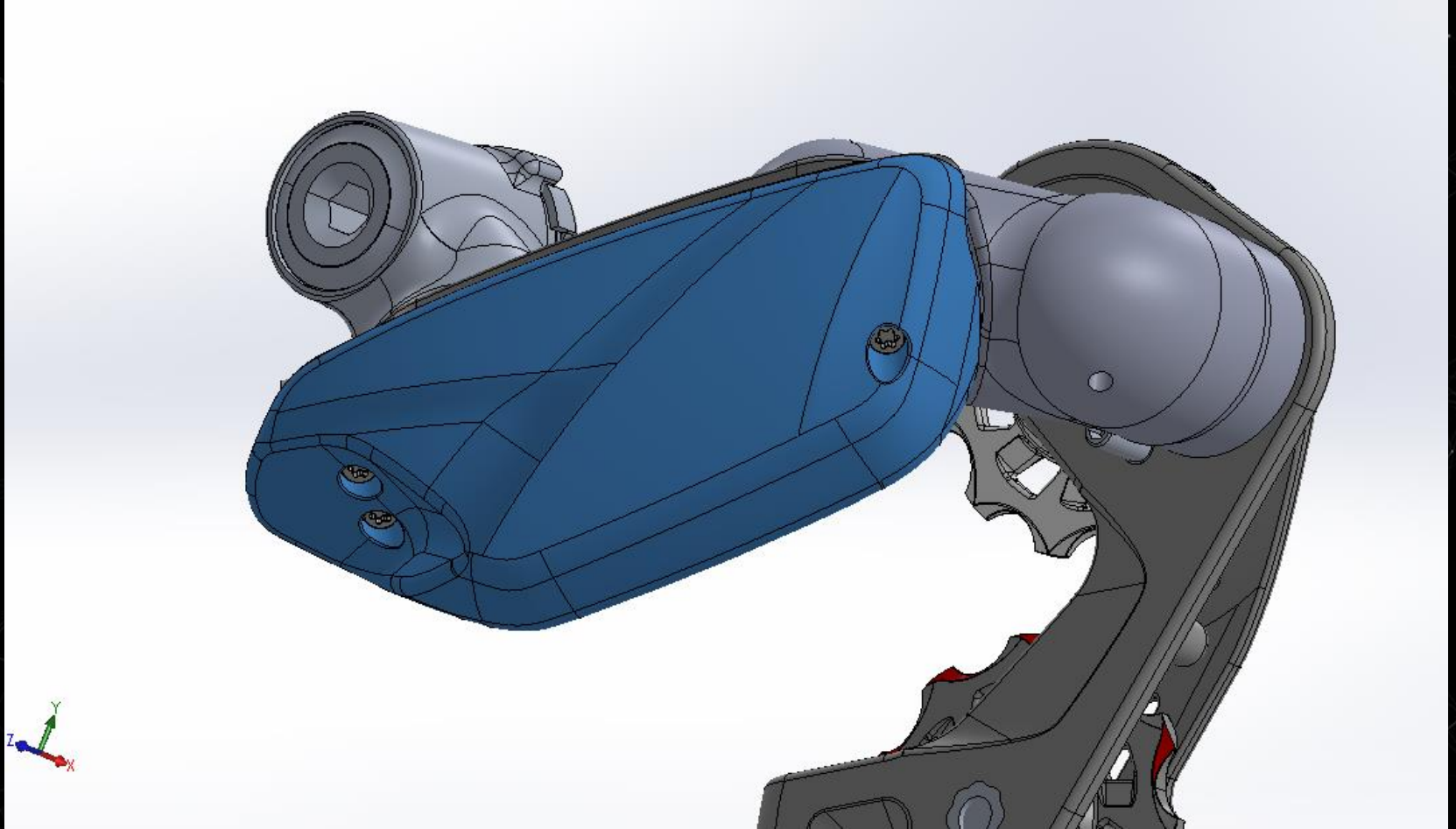
with lightweight composite cage

**ALL FEATURES WORK TOGETHER TO MAINTAIN
PRECISE SHIFTING ACCURACY**



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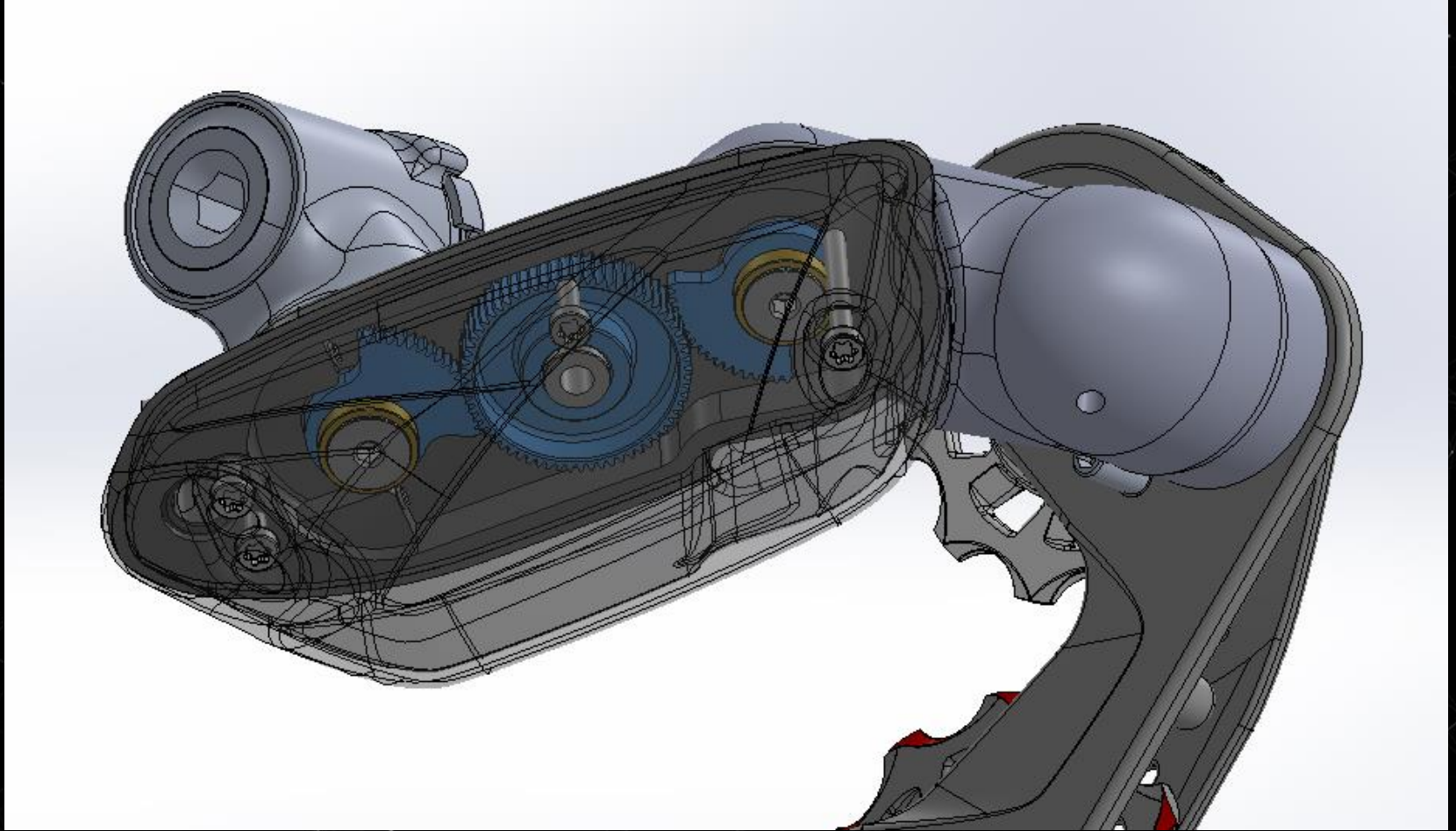
KFORCE **WE** REAR DERAILLEUR



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KFORCE **WE** REAR DERAILLEUR

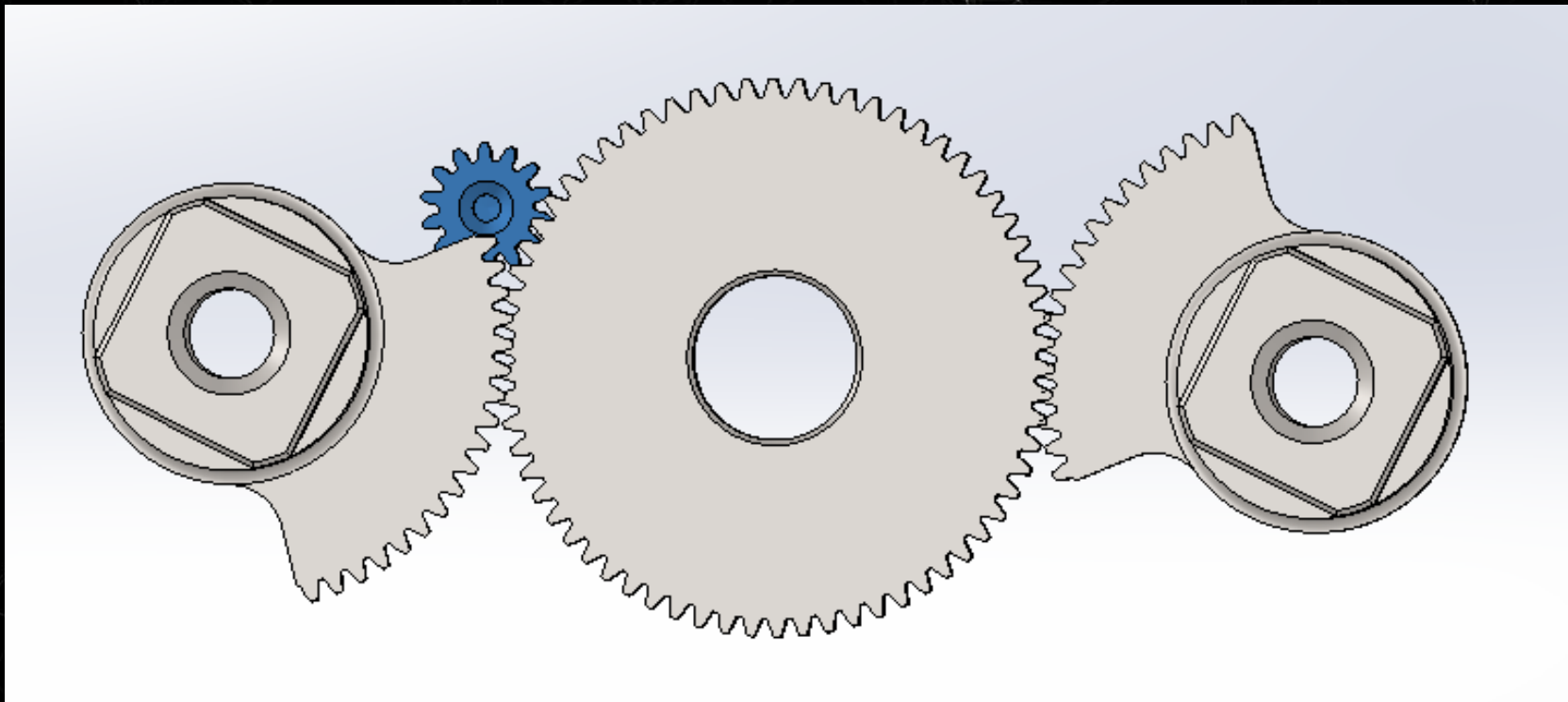


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REAR DERAILLEUR
GEARBOX



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KFORCE WE FRONT DERAILLEUR



ANT/ANT+ COMPATIBLE
for a perfect connection

16T MAX CHAINRING DIFFERENTIAL
compatible with most chainring combinations

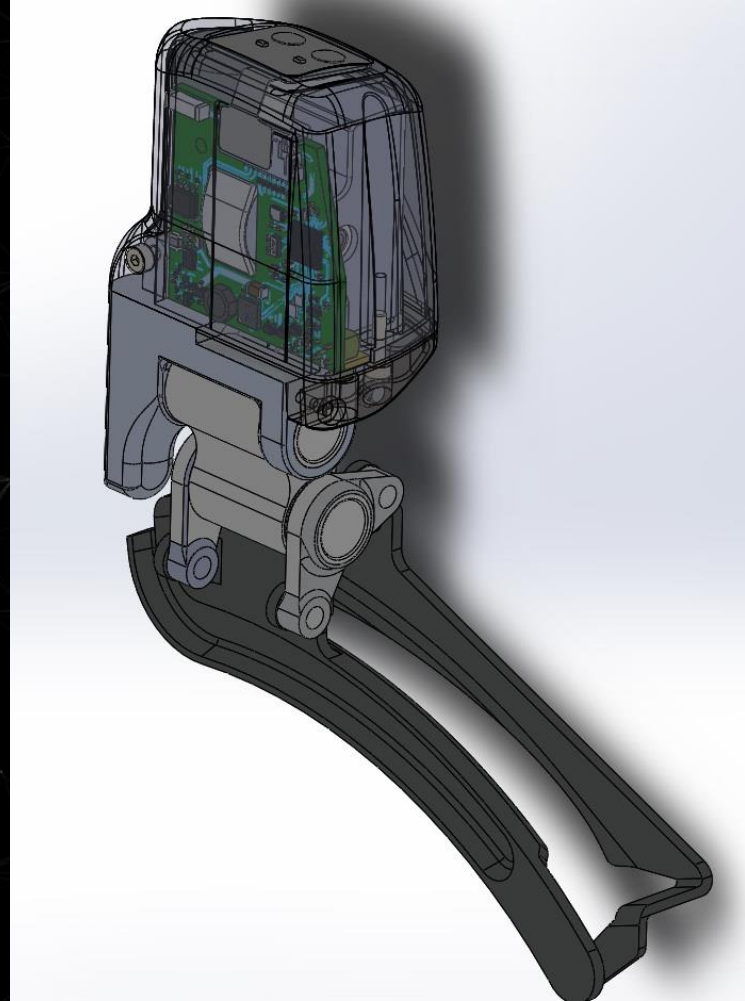
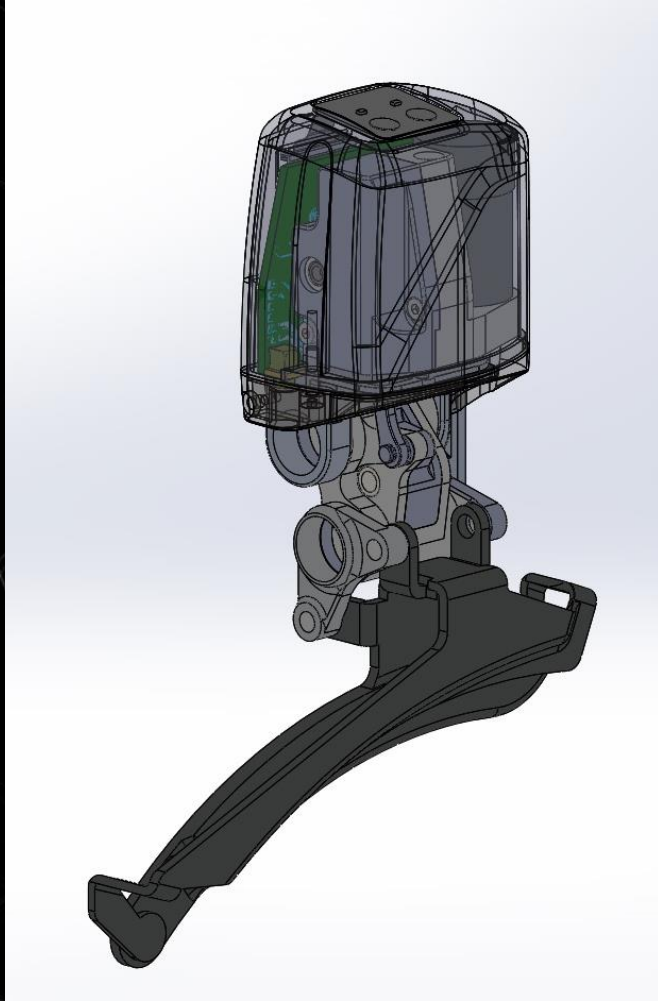
RACK AND PINION MECHANICAL MOVEMENT
for precise, predictable, quiet and near-
instantaneous shifting



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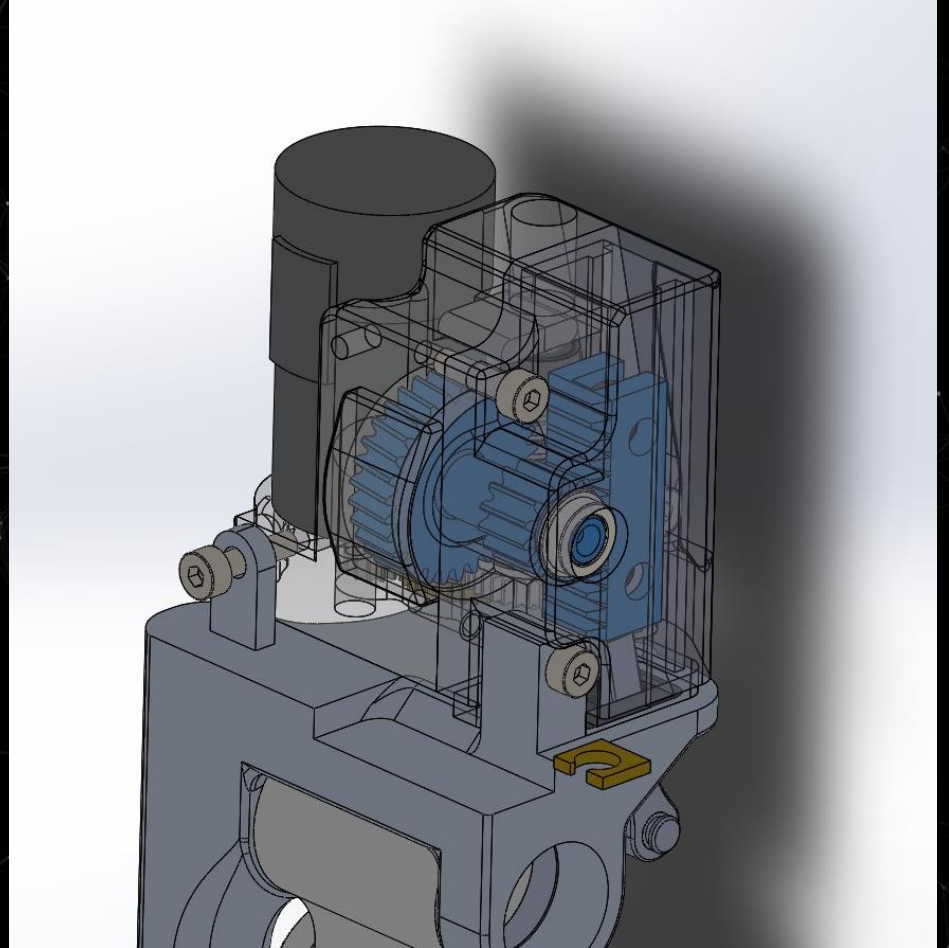
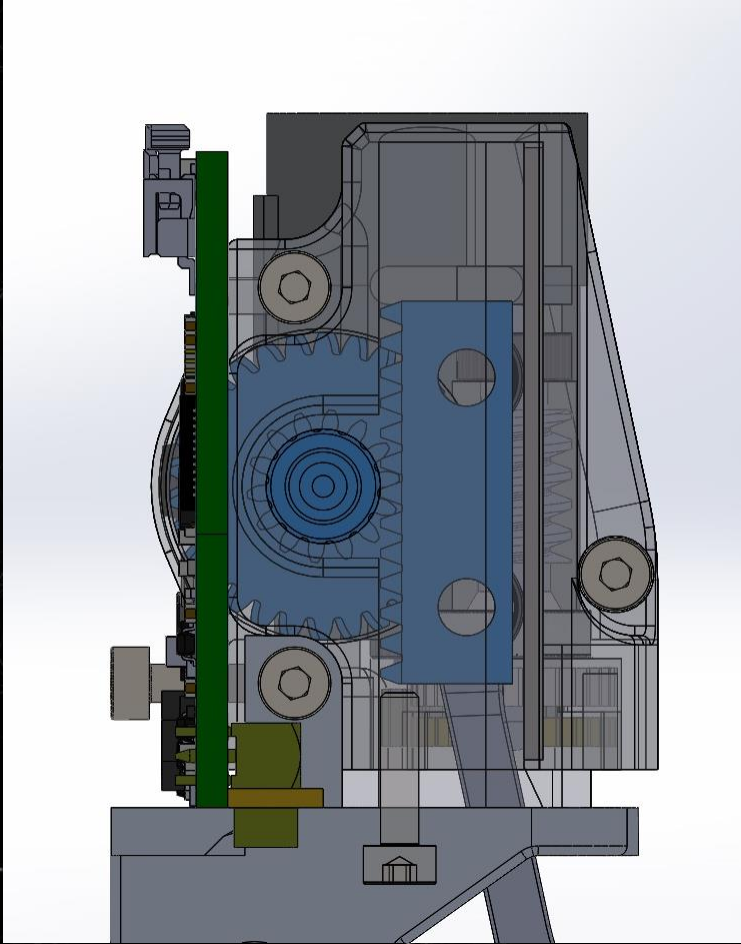
KFORCE **WE** FRONT DERAILLEUR



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KFORCE **WE** FRONT DERAILLEUR



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KFORCE CASSETTE

11-SPEED CASSETTE

**TITANIUM AND HEAT-TREATED CARBON STEEL
COGS**
for durability

LARGE CASSETTE CONTACT AREA
prevents notching of alloy freehub bodies

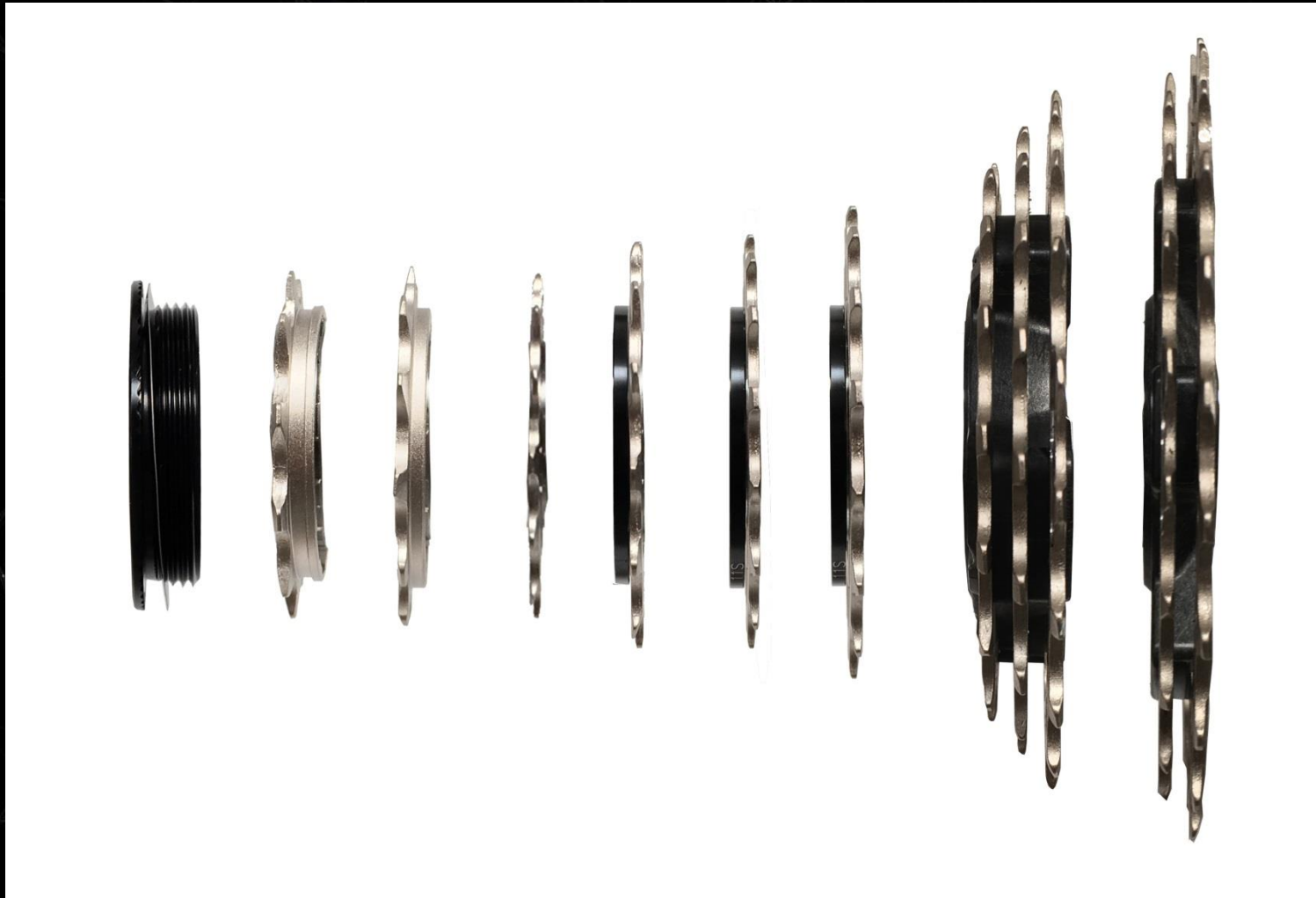
HIGH PERFORMANCE
fast shifting

AVAILABLE COMBINATIONS
11-25, 11-28, 11-32

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KFORCE CASSETTE



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KFORCE BATTERY

EASILY AND SECURELY MOUNTED INSIDE SEATPOST
well protected from water or salt intrusion

FIT AND FORGET

no need to remove for recharging

LOCATED CENTRALLY ON THE BIKE

no adverse handling characteristics

POWER CABLES RUN INSIDE THE SEAT-TUBE TO THE FRONT DERAILLEUR AND THROUGH THE CHAINSTAY TO THE REAR DERAILLEUR

Long-term performance reliability with almost no weight penalty.

7.4V LI-ION BATTERY

Around 4,000 to 6,000km charge life (depending on riding and shifting style)



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KFORCE BRAKESET



DUAL-PIVOT DESIGN

Newest and most advanced

GREATEST POWER, MODULATION, AND FEEDBACK
fits modern wide-rims

LOW-PROFILE SILHOUETTE
for superior aerodynamics

SCULPTED BOX-SECTION BRAKE ARMS
High stiffness with a positive feel

SIZES

Reach - 40-50mm

Rim capacity - 18-28mm

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KFORCE CHAIN



QUIET AND EFFICIENT PERFORMANCE

SUPERIOR DURABILITY

LIGHTWEIGHT DESIGN with HOLLOW PIN

5.6MM WIDTH

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ROLLER

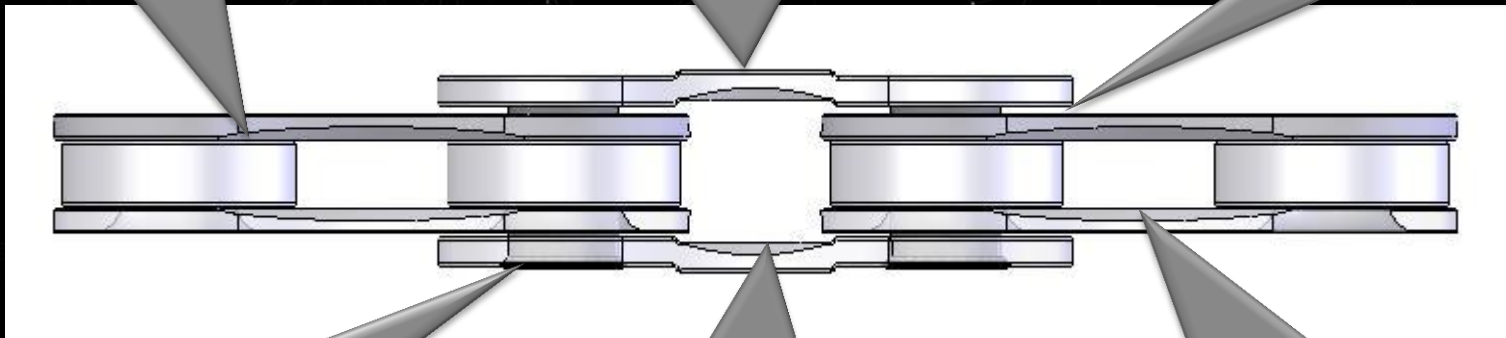
- + engagement
- noise/vibration

SIDE PLATE

- shift noise
- contact

CLEARANCE

- shift noise
- + precise shift



PIN

- wear
- transmission loss

CHAMFER

- sprocket wear
- + precise shift

CHAMFER

- sprocket wear
- engagement noise

PRESS FIT

CHAMFERING

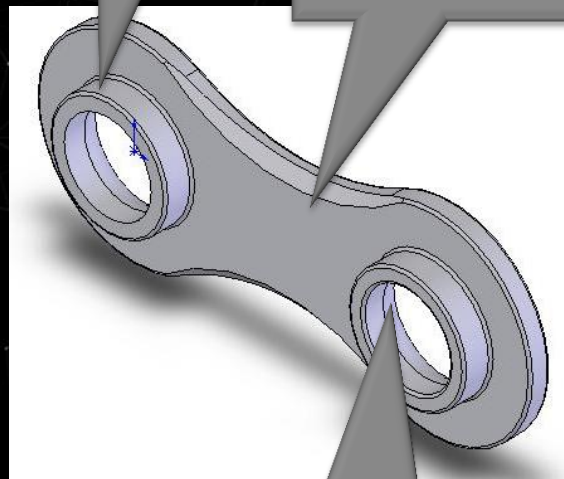
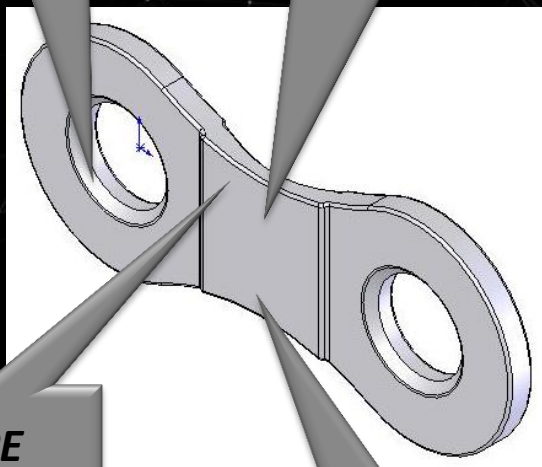
SHAPE

HARDNESS

HARDNESS

CHAMFERING

WEAR RESISTANCE



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TOTAL WEIGHT
2,090 gr

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in 2017 will be used by





THANKS FOR YOUR ATTENTION!

For more information, please contact

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