



HIGHEST PERFORMANCE
LUXURY
PURE RACING DESIGN

Prototype shown.
Final specs may vary.

ALSO AVAILABLE IN
CONCEPT

EUROPEAN
CHAMPION

BOB

1/8 LUXURY OFF-ROAD BUGGY

DIRECT SHAFT CONNECTION™

GENUINE XRAY
INNOVATION



To allow direct transfer of power without any kinetic losses, the central drive shafts are directly connected to the pinion gears. The connecting pin sits in a ball-bearing to guarantee that the connecting pin will never fall out.



CNC-machined **high-grade graphite** radio plate with centrally positioned electronics



All **new suspension geometry** features Zero King-pin suspension concept



New **narrow servo saver** and steering system with ultra short graphite steering plate



Front & rear **racing optimized** suspension geometry

HIGH-PERFORMANCE PARTS

High-grade **graphite** shock towers and radio plate



Composite suspension holders with preset geometry

Composite steering block with moulded-in steel bushing

Super-smooth, no-slip, high-durability gear differentials (front, center, rear)

All-new suspension arms and all-new suspension geometry

Diff outdrives made from **Hudy Spring Steel™ Swiss 7075 T6** CNC-machined hardcoated 3mm chassis

ENGINE NOT INCLUDED



All-new, world's lightest, most durable CVD driveshafts hand made from famous **Hudy Spring Steel™**

Laser-cut, precision flat-ground ventilated steel brake disks

New lighter high-speed ball-bearings & **extra-large** clutch bearings

Hardcoated **Swiss 7075 T6** wheel axles and wheel nuts

All-new **ultra strong** suspension pivot pins

All-new adjustable turnbuckles from **Hudy Spring Steel™**

All-new **big-bore** alu shocks

• premium high-competition off-road buggy • very easy assembly/disassembly and maintenance • efficient Zero King-pin suspension • lightweight strong molded steering blocks with molded-in steel bushings • ultra-low CG, all parts centralized in chassis • optimized front/rear and left/right weight balance for perfect jumping • **pure racing design**, highest performance and long life, ultra-durable parts • fully independent, fully-adjustable suspension with full-time 4WD • ultra-lightweight high-tensile transmission parts hand made from special world-renowned top-secret self-developed **Hudy Spring Steel™** • drivetrain includes **22 high-speed** rubber-sealed bearings for maximum efficiency and speed • ultra-precision front/rear and center diffs with **Hudy Spring Steel™** outdrives • pinions, spurs, crown gears and clutchbell manufactured by **HUDY®** • optimized multiple upper and lower shock mounting locations for front and rear • laser-cut, precision-ground steel brake disks for ultra-efficient fade-free braking • high-grip **Ferodo®** brake pads • exclusive adjustable turnbuckles from **Hudy Spring Steel™**

ALL-NEW 808 SPECS

- **all-new XRAY** racing buggy platform
- pure racing design focused on ultra-low weight and superior handling
- considerably lower weight than previous versions, as light as the lightest buggies in the market
- new narrower chassis with improved weight distribution makes the car much more stable and easier to drive
- new racing Zero King-Pin suspension and all-new suspension geometry for increased steering and traction
- new front & rear suspension arms
- new **Hudy Spring Steel™** CVD drive shafts
- suspension arms ready for easy mud protector assembly
- new steering blocks with molded-in steel bushings and new caster blocks
- new suspension holders with integrated preset optimal suspension geometry
- new longer **Swiss 7075 T6** hard anodized chassis
- new ultra-strong suspension pivot pins inboard and outboard
- new front upper suspension mounting
- new front and rear optimized roll center positions on shocktowers
- new lighter rear uprights with new lighter ball-bearings in uprights and steering blocks
- new **Direct Shaft Connection™** to the pinion gear
- new longer steering rods to prevent suspension geometry changes during suspension compression
- new relief rear ball-joints
- new anti-roll bars
- new **Hudy Spring Steel™** turnbuckles
- more centralized engine positioning
- new narrow servo saver and steering system
- new ultra-short graphite steering plate
- new one-piece graphite radio plate
- new rear flexible composite brace
- new drivetrain with super-efficient gear ratios
- new gear boxes with **Labyrinth Dust Covers™**
- new lower central differential stands with central diff placed lower
- new larger, stronger, more reliable clutch bearings
- new clutchbell with over-sized clutch bearings
- new ratio with smaller spur gear and larger clutchbell for reduced rotating weight
- new longer wheelbase for higher stability and improved balance when jumping
- new 4mm extra-thick front and 3.5mm rear **premium-grade graphite** shocktowers
- all-new big-bore oversized shocks for improved handling on bumpy tracks and big jumps
- new threaded **big-bore** hard-anodized shock bodies
- new shock design allows for super-easy building and servicing
- new 1-piece aluminum hard-anodized shock cap
- new big-bore shock pistons with precision-round shape for perfect movement inside the shock body
- new big-bore shock membranes for precision dampening
- lower shock assembly includes internal foam dust-protector
- **XRAY Premium Shock Oils** for perfect consistency
- new lower shock mounting assembly minimizes oil leakage
- new ultra-low profile racing body from high-quality Lexan®