



SRAM RED 22: NO COMPROMISE

Twenty-two isn't just our cool new logo; it means you get use of every gear in any combination. True 22!

When we re-introduced SRAM RED in 2012 there was simply nothing more we could add to make it better. SRAM RED was all new, redesigned throughout, with innovations we've spent the past year touting and our athletes proving. It was loaded with features and benefits that matched the needs of professionals: fast, light, aerodynamic, ergonomic, near-silent, and, of course, trim-less, with ground breaking Yaw™ technology.

Adding two more gears to that combination was arguably the only improvement required. The added benefit is that now, without adding weight, we maintain a system that shifts incredibly fast upfront, and with the best and smoothest gear transitions in back. And, for the first time available anywhere for the majority of standard road frames, the system gives you twenty-two gears. **Welcome to SRAM RED 22.**

Commercial availability – July 2013

MSRP*: 2.328€/ \$2,618

* Based on: RED 22 Rear Derailleur, RED 22 Yaw Front Derailleur (Braze-on with Chain Spotter), RED 22 GXP crankset (BB GXP included), RED 22 XG-1190 cassette, RED 22 chain, RED 22 Mechanical Shift/Brake Lever Set and RED Mechanical Brakeset.

SRAM RED 22:

- > Completely rebuilt and redesigned throughout
- > 11-speed Yaw™ front derailleur – no trim, rub, or rasp – with chainpotter – and even lighter!
- > Hydraulic brake options: Hydraulic Road Rim braking (HRR) & Hydraulic Road Disc braking (HRD)
- > Maintains lightweight leadership

SRAM.RED
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SRAM RED 22 Shift Levers

- > ErgoFit textured body with reduced diameter: improve grip and finger wrap and provide better control.
- > Individual Reach Adjust™ of brake and shift lever
- > Larger carbon ErgoBlade lever improves shifting from the drops



SRAM RED 22 Rear Derailleur

- > Exact Actuation™ shifting provides fast, accurate shifts
- > More clearance with 28t cassettes thanks to a longer B-knuckle
- > New silent shifting with optimized Aeroglide Pulleys™, ceramic bearings



SRAM RED 22 Front Derailleur

- > Yaw™ cage rotates in line with chain: shifting speed and precision improvement and no trim
- > True 22 – twenty-two usable gears in all gear combinations with no rasp or rub
- > Integrated chain spotter

SRAM RED 22 Crankset

- > Exogram™ technology uses a large, hollow cross section all the way to the spider, minimizing weight while maximizing stiffness.
- > Stiffer X Glide R™ chainrings feature thicker construction, advanced shift timing pins and ramps, which are optimized for shifting with the Yaw™ Front Derailleur
- > Hidden bolt for increased strength and stiffness



SRAM RED Quarq 22 Power Meter

- > Power Balance™ and ANT+™ give you compatibility, flexibility and every available metric
- > ANT+™ ID is clearly visible to aid pairing and operation
- > OmniCal™: TT chainrings can be fitted without recalibration

SRAM XG-1190 Cassette

- > Hollow steel dome makes for the stiffest gear cluster ever at the lightest weight
- > Heat-treated, high-grade tool steel provide superlative durability and a beautiful finish
- > StealthRing™ elastomer and advanced tooth profiles eliminate vibration and noise for a smooth, silent ride



SRAM RED 22 Chain

- > HollowPin™ technology equals strength, incredible shifting efficiency, and light weight
- > 242 grams, 114 links
- > PowerLock™ silver connector, easiest install in the world

SRAM RED Brake Calipers

- > AeroLink™ arm amplifies braking power while reducing frontal area
- > Aero design extends to the shape of the indexed four-position quick release, the bladed barrel adjuster, low-profile pinch bolts, and recessed spring tension adjusters
- > Firecrest™ rim compatibility (27.4mm)



SRAM RED Hydraulic Disc Brake Calipers

- > Optimized power & modulation for road & cross/ 160mm for pavement, 140mm option for off-road
- > Road specific caliper and piston ratio
- > Allows for optimization of

SRAM RED Hydraulic Rim Brake Calipers

- > Optimized power & modulation for road
- > Tools-free contact point adjust
- > Tire clearance: 28c
- > Firecrest™ rim compatibility (27.4mm)



SRAM RED 22 Hydraulic Master Cylinder

- > All new master cylinder designed for road
- > RED 22 design and ergonomics including reach adjust
- > Fully sealed system/ Lower hand forces required
- > Standard & Moto options

	SHIFTER	SHIFTER/ BRAKE HYDRO Rim	REAR DERAILLEUR	FRONT DERAILLEUR	CRANKSET
Technology	Yaw™/ Double-Tap™/ Zero-Loss™ on Front and Rear/ ErgoDynamics™ Fit/ Independent E-Z Access Shift/ Brake lever Reach Adjust™	Hydro ^R / Yaw™/ Double-Tap™/ Zero-Loss™ on Front and Rear/ ErgoDynamics™ Fit/ Independent E-Z Access Shift/ Brake lever Reach Adjust™	Exact Actuation™/ AeroGlide Pulleys™/ High Grade Ceramic bearings™ / WiFLi	Yaw™ Shifting/ Hybrid Cage/ Integrated Chain Spotter	Exogram™ Hollow Crank Arm and Spider w / X Glide R™ Chain- rings/ Hidden Bolt Spider Tab
Speeds	11 Rear/ 2 Front	11 Rear/ 2 Front	11	2	2
Weight	280g (Pair)	Weight included in the Hydraulic Rim and Disc Brakesets	145g	69g Braze-On, Chain Spotter with hardware 12g	557g (BB30 172.5mm 53x39 BB not included)/ 609g (GXP 172.5mm 53x39 BB not included)
Material // Finish	Carbon/ Titanium/ Textured Hood Covers	Carbon/ Titanium/ Textured Hood Covers	Carbon Cages/ Carbon Inner links/ Aero Designed Titanium Hardware // Falcon Grey & Black Anodized Finish	Aluminum Outer Cage/ Tool Steel Inner Cage/ Composite Tail // Falcon Grey & black Anodized Finish	Carbon Arms/ Machined Alloy Rings
Compatibility	SRAM RED 22 & Force 22 Yaw™ Front Derailleurs/ Exact Actuation™ Rear Derailleurs	SRAM RED 22 & Force 22 Yaw™ Front Derailleurs/ Exact Actuation™ Rear Derailleurs/ SRAM RED 22 HRR & HRD	SRAM RED 22 & Force 22 Rear Shift/Brake levers	SRAM RED 22 & Force 22 Front Shift/Brake levers	SRAM RED 22 & Force 22 Yaw™ Front Derailleurs/ SRAM RED 22 & PC1170 chains
MSRP	556€ /\$625 (Pair)	860€* /\$968 (Hydraulic Rim) 998€* /\$1,122 (Hydraulic Discs)	333 € /\$375 (short-cage)	128€ /\$144 (Chain spotter included)	GXP 420€ /\$472 BB30 460€ /\$517

* For the pair. Includes Shift/Brake hydraulic levers + Hose + Calipers

	POWER METER	BOTTOM BRACKET	BRAKESET	HYDRAULIC RIM BRAKESET	HYDRAULIC DISC BRAKESET	CASSETTE	CHAIN
Technology	Quarq™/ Power Balance™/ OmniCal™/ ANT+™/ X Glide R™ Chainrings	GXP/ Press-Fit GXP/ BB30/ Press-Fit 30	Aerolink™/ Aero QR/ Barrel Adjuster	Hydro ^R / Connect-amajig®	Hydro ^R / Connect-amajig®	Powerdome X™/ X Glide™ Cogs/ StealthRings™	PowerChain™/ PowerLube™/ PowerLock™/ HollowPin™/ Chrome Hardened Pins
Speeds	2	N/A	N/A	N/A	N/A	11	11
Weight	778g (GXP 172.5mm 53x39 BB not included)	53g (BB30)/ 105g (GXP)	240g (Pair)	387 grams per wheel (Lever, Caliper, Housing 600mm)	449 grams per wheel (Lever, Caliper, Hose and 160mm HSX rotor)	151g (11-25T)	242g (SRAM RED 22/ 114 links)
Material // Finish	Carbon Arms/ Machined Alloy Spider & Rings	CNC Alloy Cups / High Grade Ceramic Bearings	Cold-Forged Aluminum Arms/ Aero Designed Pinch Bolt/ SwissStop® Pad Compound // Falcon Grey & black Anodized Finish	Forged Aluminum Arms/ SwissStop® Pad Compound	Forged Aluminum Disc Caliper/ Stainless steel backed pads/ Titanium Hardware	High Grade Tool Steel Cog Cluster/ Heat Treatment Process/ Heat Treated Aluminum lowest Range Cog/ Elastomer Rings	Nickel Silver/ Silver Power-Lock™
Compatibility	SRAM RED 22 & Force 22 Yaw™ Front Derailleurs	GXP/ BB30 cranksets	SRAM Road Shift/Brake levers	SRAM RED 22 Hydraulic Shift/Brake levers	SRAM RED 22 Hydraulic Shift/Brake levers	SRAM RED 22 chain & SRAM PC-1170 chain	SRAM RED 22 & Force 22 Front & Rear derailleurs, Cranksets and cassettes
MSRP	GXP 1.845€/\$2,045 BB30 1.890€/\$2,095	GXP 196€ /\$220 BB30 196€ /\$220	327€ /\$368 (Pair)	Calipers included in the Shift/Brake Levers MSRP	Calipers included in the Shift/Brake Levers MSRP Rotor (160 or 140): 64€ /\$72 (single) Spacers (set): 18€/\$20	312 € /\$351	56 € /\$63