



XG 1090 CASSETTE

The new SRAM RED Powerdome X™ is the most advanced cassette ever made. It is super light, deadly silent, and delivers an undeniable performance advantage. The eight cogs in the middle are machined from a single block of high grade tool steel, increasing stiffness while weighing even less than a titanium cassette. Between each cog in the block is a StealthRing™ elastomer to reduce vibration and noise. Cutouts on the rear cog further reduce weight and add stiffness. It is the final piece in the drivetrain puzzle, paired with the new SRAM RED Rear Derailleur. It delivers ultra-fast, ultra-quiet shifts that will always put you in the right gear.

- 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
- Aluminum cog: lighter, stiffer, stronger due to the choice of design, material and production process

KEY TECHNOLOGIES

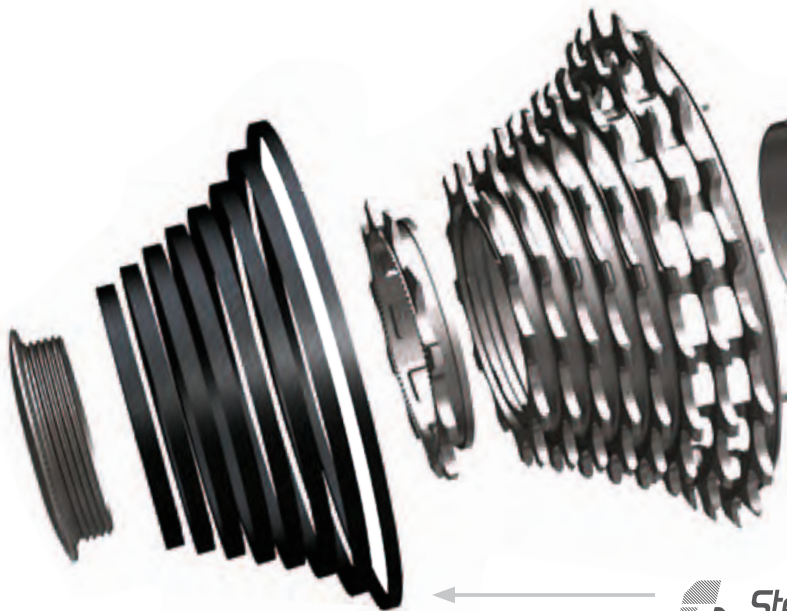




TECHNOLOGY

Powerdome X

- HOLLOW MACHINED STEEL CLUSTER
- HIGH GRADE TOOL STEEL / HEAT TREATED
- LIGHTER AND STIFFER THAN A TITANIUM CASSETTE



ALUMINUM COG
LIGHTER, STIFFER, STRONGER
DUE TO THE CHOICE OF DESIGN,
MATERIAL AND PRODUCTION PROCESS

X Glide

- PRECISE GEOMETRY OF THE COG TEETH
- THE ONE PIECE TOOL STEEL IS PRECISELY MACHINED AND HEAT TREATED FOR A STRONGER AND LIGHTER CASSETTE



StealthRing

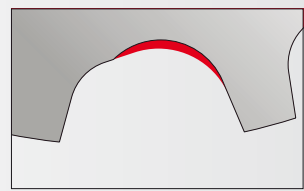
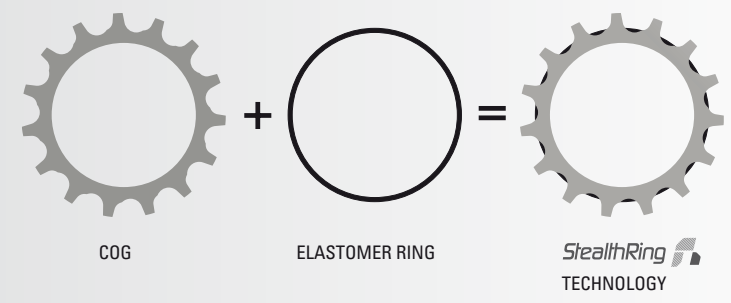
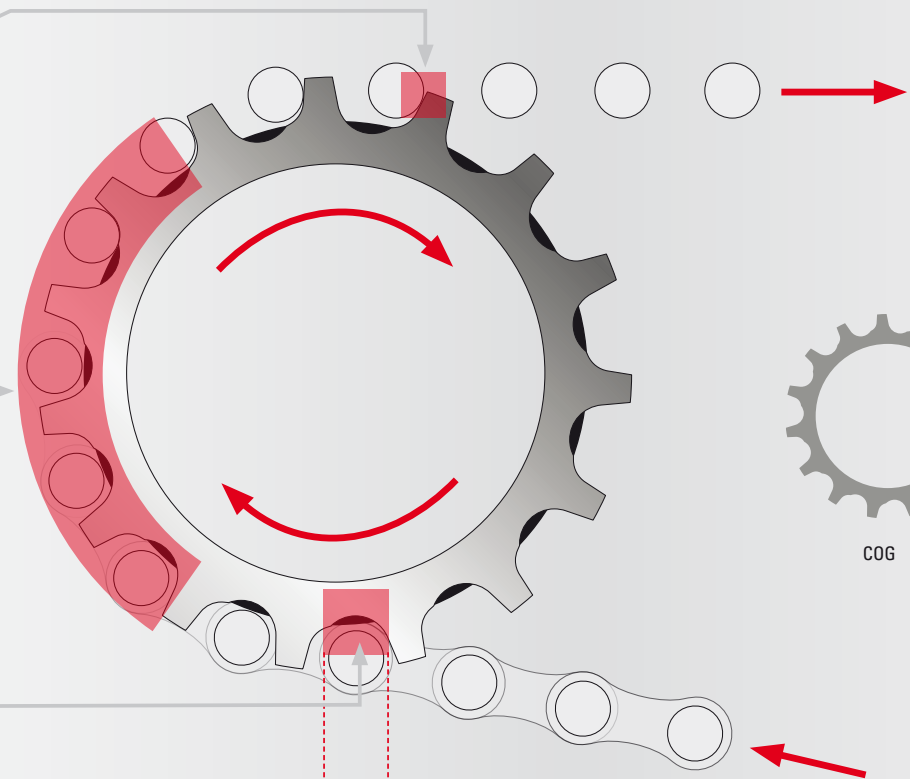
- ELASTOMERS AND 'SPECIAL' TOOTH PROFILE, TO ELIMINATE VIBRATION AND NOISE WHEN THE CHAIN ENGAGES THE COG, YET MAINTAINING LOSS-LESS POWER TRANSFER



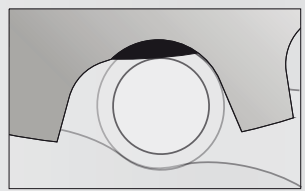
LOAD SIDE
CHAIN TRANSFERS
POWER ONTO COG

TRANSITION ZONE
CHAIN ROLLERS MOVE FROM
LANDING AREA TO LOAD SIDE

NON-LOAD SIDE
CHAIN ROLLERS MOVE INTO
LANDING AREA



TOOTH DETAIL
- MACHINED CUT-OUT FOR
NO IMPACT WITH CHAIN
- ALLOWS CHAIN TO ENGAGE WITH
ELASTOMER RING



ENGAGEMENT DETAIL
- INNER CHAIN PLATES ENGAGE ELASTOMER RING
- CHAIN ENGAGEMENT IMPACT IS DAMPED
- NOISE AND DEGREASING IS REDUCED



PC 1091R CHAIN

The newest PC 1091R chain features more heavily chamfered outer plates for improved shifting and quieter running. Other advancements include a new inner plate finish plus chrome hardened pin construction, both for longer chain life. The HollowPin™ construction of SRAM's 10 speed PowerChain™ provides smooth, precise shifting and weight savings without sacrificing strength.

- HollowPin™ technology equals strength, incredible shifting efficiency, and light weight
- 255 grams, 114 links
- PowerLock™ connector, easiest install in the world
- PowerLube™: High performance grease

KEY TECHNOLOGIES



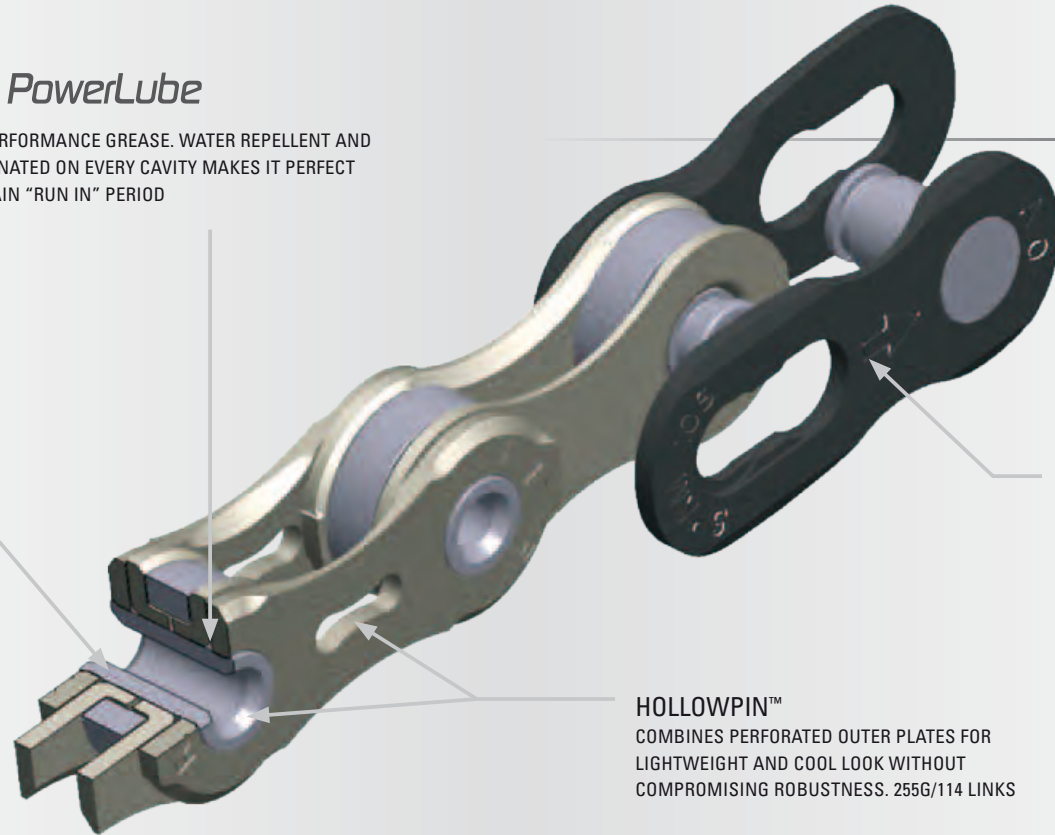


TECHNOLOGY

 **PowerLube**

HIGH PERFORMANCE GREASE. WATER REPELLENT AND IMPREGNATED ON EVERY CAVITY MAKES IT PERFECT FOR CHAIN "RUN IN" PERIOD

CHROME HARDENED PINS
CONSTRUCTION FOR REDUCTION OF CHAIN WEAR AND INCREASED CHAIN LIFE



 **PowerLock**

SRAM PATENTED DESIGN. THE SAFEST AND EASIEST TOOL-FREE CLOSING METHOD IN THE INDUSTRY!

HOLLOWPIN™
COMBINES PERFORATED OUTER PLATES FOR LIGHTWEIGHT AND COOL LOOK WITHOUT COMPROMISING ROBUSTNESS. 255G/114 LINKS

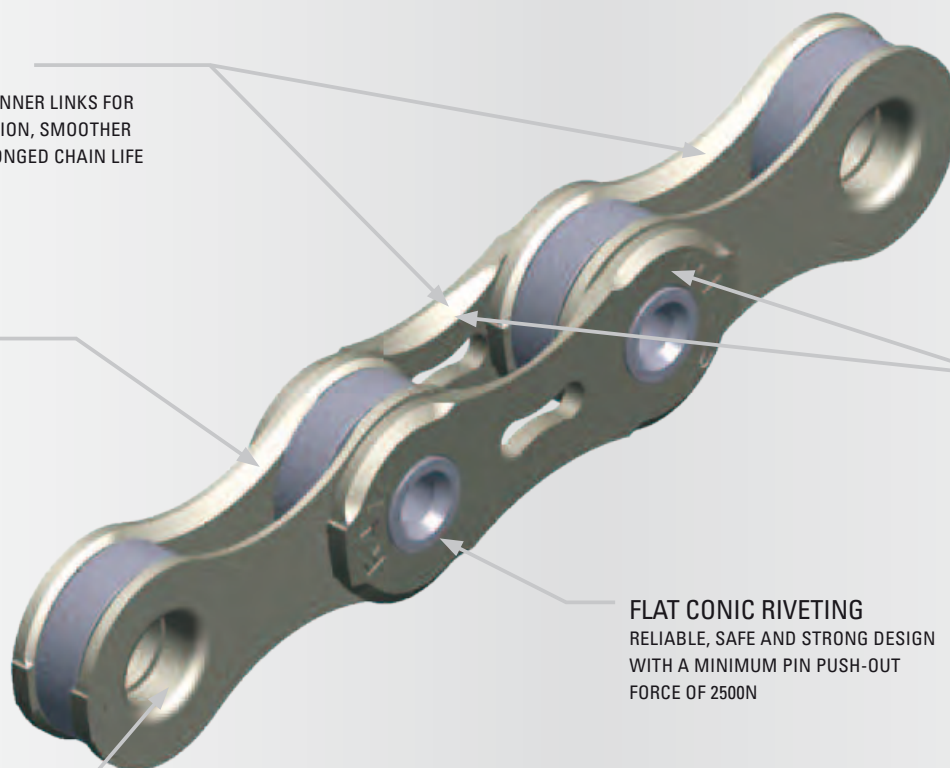


PowerChain

NICKEL COATED
COATED OUTER AND INNER LINKS FOR
CORROSION PROTECTION, SMOOTHER
RUNNING AND PROLONGED CHAIN LIFE

INNER PLATE CHAMFERS
PRECISELY DESIGNED CHAMFERS FOR
SMOOTHER RUNNING AND SHIFTING

INNER PLATE MATERIAL
NEWLY DEVELOPED INNER LINK
MATERIAL FOR REDUCED CHAIN WEAR



FLAT CONIC RIVETING
RELIABLE, SAFE AND STRONG DESIGN
WITH A MINIMUM PIN PUSH-OUT
FORCE OF 2500N

OUTER PLATE CHAMFERS
- PRECISELY DESIGNED CHAMFERS FOR
SMOOTHER SHIFTING AND GEAR
ADJUSTABILITY
- OPTIMIZED FOR SRAM XG TECHNOLOGY



COMPATIBILITY

ONLY NEW SRAM RED COMPATIBLE:



FRONT DERAILLEUR



SHIFTERS



CRANKSET



POWER METER



ALL SRAM ROAD GROUPSETS COMPATIBLE:



BRAKESSET



REAR DERAILLEUR



CASSETTE



CHAIN





S P E C I F I C A T I O N S



	SHIFTER	REAR DERAILLEUR	FRONT DERAILLEUR	CRANKSET	POWER METER	BOTTOM BRACKET	BRAKESSET	CASSETTE	CHAIN
Technology	Yaw™ (Front) / 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™	Yaw™ Shifting / Hybrid Cage / Integrated Chain Spotter	Exogram™ Hollow Crank Arm and Spider w / X Glide R™ Chainrings / Hidden Bolt Spider Tab	Quarq™ / Power Balance™ / OmniCal™ / ANT+™ / X Glide R™ Chainrings	GXP / Press-Fit GXP / BB30 / Press-Fit 30	AeroLink™ / Aero QR / Barrel Adjuster	Powerdome X™ / X Glide™ Cogs / StealthRings™	PowerChain™ / PowerLube™ / PowerLock™ / HollowPin™ / Chrome Hardened Pins
Speeds	10 Rear / 2 Front	10	2	2	2	N/A	N/A	10	10
Weight	280g (Pair)	145g	74g Braze-On, Chain Spotter with Hardware 12g	557g (BB30 172.5mm 53x39 BB not included) / 609g (GXP 172.5mm 53x39 BB not included)	778g (GXP 172.5mm 53x39 BB not included)	53g (BB30) / 105g (GXP)	240g (Pair)	135g (11-23T)	255g (PC 1091 R / 114 links)
Material // finish	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	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	High Grade Tool Steel Cog Cluster / Heat Treatment Process / Heat Treated Aluminum Lowest Range Cog / Elastomer Rings	Nickel Silver
Compatibility	Yaw™ FD / Exact Actuation™	SRAM RED-2012 / RED Rear Shifter	SRAM RED-2012 / RED Front Shifter	Yaw™ FD	Yaw™ FD	GXP / BB-30	SRAM Road Shifters	SRAM 10 Speed	SRAM 10 Speed



SOCIAL MEDIA



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<http://www.theroaddiaries.com/>



<https://twitter.com/#!/theroaddiaries>

2012 SRAM ROAD Pro Teams

- AG2R La Mondiale
- Astana Pro Team
- Liquigas-Cannondale
- Omega Pharma-Quick-Step Cycling Team
- Team Saxo Bank





PRODUCT EXPERTS



PR EXPERTS



SPONSORSHIP/
PROTEAMS EXPERTS





SRAM ROAD TEAM

BRAND EXPERTS:

1. Gaetan Vétois - Global SRAM Road Brand Manager
2. Andy Paskins - Global Zipp Brand Manager

PR EXPERTS:

3. Michael Zellmann - US SRAM Road PR & Media Manager
4. Géraldine Bergeron - EU SRAM Road & Zipp PR Manager
5. Troy Hoskin - US Quarq PR & Media Manager
6. David Ripley - US Zipp Technical PR Specialist
7. Altino Lourenco - France/Spain SRAM Marketing Coordinator
8. Christoph Allwang - EU SRAM Road & Zipp Tech Coordinator

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10. Jason Phillips - EU SRAM Road Sponsorship Manager
11. Ben Raby - EU SRAM Road Sponsorship & Team Service

PRODUCT EXPERTS:

12. Charles Becker - Global SRAM Road & Tri Category Manager
13. Bill Keith - SRAM Road Product Manager
14. Chris Raymo - Team Leader, Road Drivetrain Development
15. Mark Santurbane - SRAM Design Engineer
16. James Meyer - Quarq Technical Director

BRAND EXPERTS

13.



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16.



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1.





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