GRAVEL · ROAD · CYCLOCROSS · 花鼓组

PRIMARO

Center Lock 公路与砾石花鼓组，起重 204 g，提供三种辐条接口：SP 用于直拉辐条，M4 用于螺纹碳纤维辐条，T 用于 T 头辐条。

204 g

花鼓组重量 · 起

前花鼓	后花鼓
63 g	141 g
前轴	**后轴**
12/15 × 100 mm	12 × 142 mm



花鼓

花鼓壳材料	铝合金
棘轮系统	NonPlus 45CT 棘轮系统
塔基（飞轮）	Shimano HG, Shimano Microspline, SRAM XDR, Campagnolo N3W
孔数	20h · 24h
最大辐条张力	1200 N
后轮最大张力（24孔）	1300 N

接口

轴系统	桶轴
前轴规格	12 × 100 / 15 × 100 mm
后轴规格	12 × 142 mm
刹车系统	碟刹
碟盘安装	Center Lock 中锁

重量

花鼓组	204 g
前花鼓	63 g
后花鼓	141 g

用途

适用领域	Gravel, Road, Cyclocross
最大系统重量	130 kg
电助力车认证	是，电机扭矩最高 60 Nm

贸易信息

货号（基础）	NON-NAB-PRI-0436
型号组合	84
原产国	德国
海关编码	87149300
保修	花鼓壳保修 4 年
包装（长×宽×高）	25 × 15 × 9 cm

01 配置

花鼓颜色	哑光黑 · 哑光灰 · 亮银色 · Purple Punch
辐条安装方式	M4 · Double Threaded · SP · Straight Pull · T · T-Head
孔数	20h · 24h
前轴规格	12 × 100 mm · 15 × 100 mm
塔基	Sram XD(R) · Shimano HG Road（不适用于电助力自行车） · Shimano Microspline (MS) - Road · Campagnolo N3W
轴承	Highspeed · Enduro - Steel · Enduro Zero - Ceramic Hybrid

带框数值为固定配置，其余可在配置器中选择。

02 编轮几何数据

辐条接口	位置	孔圈直径 左/右	耳到中心 左/右	偏移
M4 · Double Threaded	前	40 / 33.4	22 / 29.5	4
M4 · Double Threaded	后	40 / 53	35 / 19	4
SP · Straight Pull	前	40 / 33.4	23 / 29.5	1
SP · Straight Pull	后	40 / 53	36 / 20	1
T · T-Head	前	40 / 33.4	22 / 29.5	1
T · T-Head	后	40 / 48	35 / 19	1

尺寸单位 mm。孔圈直径为直径值。耳到中心为花鼓耳中线到花鼓中心的距离，左侧为刹车侧。计算：nonpluscomponents.com/zh_CN/speichenrechner

03 产品介绍

PRIMARO 是我们公路轮组的起点。第二代把后花鼓传动侧的花鼓耳向外移，辐条角度更平，轮组横向刚性更高，受力时也更稳定。

M4 版本把螺纹碳纤维辐条直接拧入花鼓耳，花鼓端无需辐条帽。这是最轻的花鼓与辐条连接方式之一，也是少辐条轮组的基础。

内部采用 NonPlus Conical Ratchet System 锥形棘轮系统。锥形齿把驱动扭矩分散到更大的接触面上，磨损低，啮合干脆。NON PLAY 自动设定轴承预紧力。NON VACUUM 平衡花鼓内部压力，使湿气远离轴承。NON GAP 以端盖处的微间隙保护轴承，而不是依靠会产生摩擦的密封圈。

在德国温嫩登加工并手工组装。花鼓、轴和端盖享有 4 年保修。

04 兼容性

- 桶轴公路车和砾石车
- 前 12 × 100 mm 或 15 × 100 mm（可选）
- 后 12 × 142 mm
- Center Lock 碟盘
- 电机扭矩不超过 60 Nm 的电助力车，不适用 Shimano HG 塔基

05 包装清单

- 前花鼓和后花鼓
- 所选规格的塔基
- 已安装端盖

06 型号组合

共 84 种组合。完整的货号和 GTIN 列表见第 4 页起的附录。

文档

每件产品均附 **Safety & Quick Start**，也提供 PDF：安装、扭矩、保养、保修。
www.nonpluscomponents.com/support/downloads

制造商

NonPlus Components GmbH
Max-Eyth-Straße 7 · 71364 Winnenden · Germany
info@nonpluscomponents.com · +49 7195 9577901
于德国温嫩登手工制造。

产品页面

A 附录 · 组合 1–54 / 共 84

货号	GTIN / EAN	花鼓颜色	辐条安装方式	孔数	塔基	轴承
NON-NAB-PRI-0069-001	4072094040732	哑光黑	M4 · Double Threaded	24h	Campagnolo N3W	Highspeed
NON-NAB-PRI-0069-002	4072094040749	哑光黑	M4 · Double Threaded	24h	Shimano Microspline - Road	Highspeed
NON-NAB-PRI-0069-003	4072094040756	哑光黑	M4 · Double Threaded	24h	Shimano HG Road	Highspeed
NON-NAB-PRI-0069-004	4072094040763	哑光黑	M4 · Double Threaded	24h	Sram XD	Highspeed
NON-NAB-PRI-0069-005	4072094040770	哑光黑	M4 · Double Threaded	24h	Campagnolo N3W	Enduro - Steel
NON-NAB-PRI-0069-006	4072094040787	哑光黑	M4 · Double Threaded	24h	Shimano Microspline - Road	Enduro - Steel
NON-NAB-PRI-0069-007	4072094040794	哑光黑	M4 · Double Threaded	24h	Shimano HG Road	Enduro - Steel
NON-NAB-PRI-0069-008	4072094040800	哑光黑	M4 · Double Threaded	24h	Sram XD	Enduro - Steel
NON-NAB-PRI-0069-009	4072094040817	哑光黑	M4 · Double Threaded	24h	Campagnolo N3W	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-010	4072094040824	哑光黑	M4 · Double Threaded	24h	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-011	4072094040831	哑光黑	M4 · Double Threaded	24h	Shimano HG Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-012	4072094040848	哑光黑	M4 · Double Threaded	24h	Sram XD	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-013	4072094040855	哑光灰	M4 · Double Threaded	24h	Campagnolo N3W	Highspeed
NON-NAB-PRI-0069-014	4072094040862	哑光灰	M4 · Double Threaded	24h	Shimano Microspline - Road	Highspeed
NON-NAB-PRI-0069-015	4072094040879	哑光灰	M4 · Double Threaded	24h	Shimano HG Road	Highspeed
NON-NAB-PRI-0069-016	4072094040886	哑光灰	M4 · Double Threaded	24h	Sram XD	Highspeed
NON-NAB-PRI-0069-017	4072094040893	哑光灰	M4 · Double Threaded	24h	Campagnolo N3W	Enduro - Steel
NON-NAB-PRI-0069-018	4072094040909	哑光灰	M4 · Double Threaded	24h	Shimano Microspline - Road	Enduro - Steel
NON-NAB-PRI-0069-019	4072094040916	哑光灰	M4 · Double Threaded	24h	Shimano HG Road	Enduro - Steel
NON-NAB-PRI-0069-020	4072094040923	哑光灰	M4 · Double Threaded	24h	Sram XD	Enduro - Steel
NON-NAB-PRI-0069-021	4072094040930	哑光灰	M4 · Double Threaded	24h	Campagnolo N3W	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-022	4072094040947	哑光灰	M4 · Double Threaded	24h	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-023	4072094040954	哑光灰	M4 · Double Threaded	24h	Shimano HG Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-024	4072094040961	哑光灰	M4 · Double Threaded	24h	Sram XD	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-025	4072094040978	亮银色	M4 · Double Threaded	24h	Campagnolo N3W	Highspeed
NON-NAB-PRI-0069-026	4072094040985	亮银色	M4 · Double Threaded	24h	Shimano Microspline - Road	Highspeed
NON-NAB-PRI-0069-027	4072094040992	亮银色	M4 · Double Threaded	24h	Shimano HG Road	Highspeed
NON-NAB-PRI-0069-028	4072094041005	亮银色	M4 · Double Threaded	24h	Sram XD	Highspeed
NON-NAB-PRI-0069-029	4072094041012	亮银色	M4 · Double Threaded	24h	Campagnolo N3W	Enduro - Steel
NON-NAB-PRI-0069-030	4072094041029	亮银色	M4 · Double Threaded	24h	Shimano Microspline - Road	Enduro - Steel
NON-NAB-PRI-0069-031	4072094041036	亮银色	M4 · Double Threaded	24h	Shimano HG Road	Enduro - Steel
NON-NAB-PRI-0069-032	4072094041043	亮银色	M4 · Double Threaded	24h	Sram XD	Enduro - Steel
NON-NAB-PRI-0069-033	4072094041050	亮银色	M4 · Double Threaded	24h	Campagnolo N3W	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-034	4072094041067	亮银色	M4 · Double Threaded	24h	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-035	4072094041074	亮银色	M4 · Double Threaded	24h	Shimano HG Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0069-036	4072094041081	亮银色	M4 · Double Threaded	24h	Sram XD	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-001	4072094041098	哑光黑	SP · Straight Pull	24h	Campagnolo N3W	Highspeed
NON-NAB-PRI-0075-002	4072094041104	哑光黑	SP · Straight Pull	24h	Shimano Microspline - Road	Highspeed
NON-NAB-PRI-0075-003	4072094041111	哑光黑	SP · Straight Pull	24h	Shimano HG Road	Highspeed
NON-NAB-PRI-0075-004	4072094041128	哑光黑	SP · Straight Pull	24h	Sram XD	Highspeed
NON-NAB-PRI-0075-005	4072094041135	哑光黑	SP · Straight Pull	24h	Campagnolo N3W	Enduro - Steel
NON-NAB-PRI-0075-006	4072094041142	哑光黑	SP · Straight Pull	24h	Shimano Microspline - Road	Enduro - Steel
NON-NAB-PRI-0075-007	4072094041159	哑光黑	SP · Straight Pull	24h	Shimano HG Road	Enduro - Steel
NON-NAB-PRI-0075-008	4072094041166	哑光黑	SP · Straight Pull	24h	Sram XD	Enduro - Steel
NON-NAB-PRI-0075-009	4072094041173	哑光黑	SP · Straight Pull	24h	Campagnolo N3W	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-010	4072094041180	哑光黑	SP · Straight Pull	24h	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-011	4072094041197	哑光黑	SP · Straight Pull	24h	Shimano HG Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-012	4072094041203	哑光黑	SP · Straight Pull	24h	Sram XD	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-013	4072094041210	亮银色	SP · Straight Pull	24h	Campagnolo N3W	Highspeed
NON-NAB-PRI-0075-014	4072094041227	亮银色	SP · Straight Pull	24h	Shimano Microspline - Road	Highspeed
NON-NAB-PRI-0075-015	4072094041234	亮银色	SP · Straight Pull	24h	Shimano HG Road	Highspeed
NON-NAB-PRI-0075-016	4072094041241	亮银色	SP · Straight Pull	24h	Sram XD	Highspeed
NON-NAB-PRI-0075-017	4072094041258	亮银色	SP · Straight Pull	24h	Campagnolo N3W	Enduro - Steel
NON-NAB-PRI-0075-018	4072094041265	亮银色	SP · Straight Pull	24h	Shimano Microspline - Road	Enduro - Steel

A 附录 · 组合 55–84 / 共 84

货号	GTIN / EAN	花鼓颜色	辐条安装方式	孔数	塔基	轴承
NON-NAB-PRI-0075-019	4072094041272	亮银色	SP · Straight Pull	24h	Shimano HG Road	Enduro - Steel
NON-NAB-PRI-0075-020	4072094041289	亮银色	SP · Straight Pull	24h	Sram XD	Enduro - Steel
NON-NAB-PRI-0075-021	4072094041296	亮银色	SP · Straight Pull	24h	Campagnolo N3W	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-022	4072094041302	亮银色	SP · Straight Pull	24h	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-023	4072094041319	亮银色	SP · Straight Pull	24h	Shimano HG Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-024	4072094041326	亮银色	SP · Straight Pull	24h	Sram XD	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-025	4072094041333	Purple Punch	SP · Straight Pull	24h	Sram XD	Highspeed
NON-NAB-PRI-0075-026	4072094041340	Purple Punch	SP · Straight Pull	24h	Sram XD	Enduro - Steel
NON-NAB-PRI-0075-027	4072094041357	Purple Punch	SP · Straight Pull	24h	Sram XD	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-028	4072094041364	Purple Punch	SP · Straight Pull	24h	Shimano HG Road	Highspeed
NON-NAB-PRI-0075-029	4072094041371	Purple Punch	SP · Straight Pull	24h	Shimano HG Road	Enduro - Steel
NON-NAB-PRI-0075-030	4072094041388	Purple Punch	SP · Straight Pull	24h	Shimano HG Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-031	4072094041395	Purple Punch	SP · Straight Pull	24h	Shimano Microspline - Road	Highspeed
NON-NAB-PRI-0075-032	4072094041401	Purple Punch	SP · Straight Pull	24h	Shimano Microspline - Road	Enduro - Steel
NON-NAB-PRI-0075-033	4072094041418	Purple Punch	SP · Straight Pull	24h	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-034	4072094041425	Purple Punch	SP · Straight Pull	24h	Campagnolo N3W	Highspeed
NON-NAB-PRI-0075-035	4072094041432	Purple Punch	SP · Straight Pull	24h	Campagnolo N3W	Enduro - Steel
NON-NAB-PRI-0075-036	4072094041449	Purple Punch	SP · Straight Pull	24h	Campagnolo N3W	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0078-001	4072094041456	哑光黑	T · T-Head	20h	Campagnolo N3W	Highspeed
NON-NAB-PRI-0078-002	4072094041463	哑光黑	T · T-Head	20h	Campagnolo N3W	Enduro - Steel
NON-NAB-PRI-0078-003	4072094041470	哑光黑	T · T-Head	20h	Campagnolo N3W	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0078-004	4072094041487	哑光黑	T · T-Head	20h	Shimano Microspline - Road	Highspeed
NON-NAB-PRI-0078-005	4072094041494	哑光黑	T · T-Head	20h	Shimano Microspline - Road	Enduro - Steel
NON-NAB-PRI-0078-006	4072094041500	哑光黑	T · T-Head	20h	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0078-007	4072094041517	哑光黑	T · T-Head	20h	Shimano HG Road	Highspeed
NON-NAB-PRI-0078-008	4072094041524	哑光黑	T · T-Head	20h	Shimano HG Road	Enduro - Steel
NON-NAB-PRI-0078-009	4072094041531	哑光黑	T · T-Head	20h	Shimano HG Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0078-010	4072094041548	哑光黑	T · T-Head	20h	Sram XD	Highspeed
NON-NAB-PRI-0078-011	4072094041555	哑光黑	T · T-Head	20h	Sram XD	Enduro - Steel
NON-NAB-PRI-0078-012	4072094041562	哑光黑	T · T-Head	20h	Sram XD	Enduro Zero - Ceramic Hybrid