GRAVEL · ROAD · CYCLOCROSS · 花鼓組

PRIMARO

Center Lock 公路與礫石花鼓組，起重 204 g，提供三種輻條介面：SP 用於直拉輻條，M4 用於螺紋碳纖維輻條，T 用於 T 頭輻條。

204 g

花鼓組重量 · 起

前花鼓	後花鼓
63 g	141 g
前軸	**後軸**
12/15 × 100 mm	12 × 142 mm



花鼓

花鼓殼材料	鋁合金
棘輪系統	NonPlus 45CT 棘輪系統
花鼓座（飛輪）	Shimano HG, Shimano Microspline, SRAM XDR, Campagnolo N3W
孔數	20h · 24h
最大輻條張力	1200 N
後輪最大張力（24孔）	1300 N

介面

軸系統	桶軸
前軸規格	12 × 100 / 15 × 100 mm
後軸規格	12 × 142 mm
煞車系統	碟煞
碟盤安裝	Center Lock 中鎖

重量

花鼓組	204 g
前花鼓	63 g
後花鼓	141 g

用途

適用領域	Gravel, Road, Cyclocross
最大系統重量	130 kg
電輔車認證	是，馬達扭力最高 60 Nm

貿易資訊

貨號（基礎）	NON-NAB-PRI-0436
型號組合	84
原產國	德國
海關編碼	87149300
保固	花鼓殼保固 4 年
包裝（長×寬×高）	25 × 15 × 9 cm

01 配置

花鼓顏色	霧面黑 · 霧面灰 · 亮銀色 · Purple Punch
輻條安裝方式	M4 · Double Threaded · SP · Straight Pull · T · T-Head
孔數	20h · 24h
前軸規格	12 × 100 mm · 15 × 100 mm
塔基	Sram XD(R) · Shimano HG Road（不適用於電動輔助自行車） · Shimano Microspline (MS) - Road · Campagnolo N3W
軸承	Highspeed · Enduro - Steel · Enduro Zero - Ceramic Hybrid

加框數值為固定配置，其餘可在配置器中選擇。

02 編輪幾何資料

輻條介面	位置	孔圈直徑 左/右	耳到中心 左/右	偏移
M4 · Double Threaded	前	40 / 33.4	22 / 29.5	4
M4 · Double Threaded	後	40 / 53	35 / 19	4
SP · Straight Pull	前	40 / 33.4	23 / 29.5	1
SP · Straight Pull	後	40 / 53	36 / 20	1
T · T-Head	前	40 / 33.4	22 / 29.5	1
T · T-Head	後	40 / 48	35 / 19	1

尺寸單位 mm。孔圈直徑為直徑值。耳到中心為花鼓耳中線到花鼓中心的距離，左側為煞車側。計算：nonpluscomponents.com/zh_TW/speichenrechner

03 產品介紹

PRIMARO 是我們公路輪組的起點。第二代把後花鼓傳動側的花鼓耳向外移，輻條角度更平，輪組橫向剛性更高，受力時也更穩定。

M4 版本把螺紋碳纖維輻條直接鎖入花鼓耳，花鼓端無需輻條帽。這是最輕的花鼓與輻條連接方式之一，也是少輻條輪組的基礎。

內部採用 NonPlus Conical Ratchet System 錐形棘輪系統。錐形齒把驅動扭力分散到更大的接觸面上，磨耗低，嚙合乾脆。NON PLAY 自動設定軸承預壓。NON VACUUM 平衡花鼓內部壓力，讓濕氣遠離軸承。NON GAP 以端蓋處的微間隙保護軸承，而不是依靠會產生摩擦的油封。

在德國溫嫩登加工並手工組裝。花鼓、軸與端蓋享有 4 年保固。

04 相容性

- 桶軸公路車與碟石車
- 前 12 × 100 mm 或 15 × 100 mm（可選）
- 後 12 × 142 mm
- Center Lock 碟盤
- 馬達扭力不超過 60 Nm 的電輔車，不適用 Shimano HG 花鼓座

05 包裝內容

- 前花鼓與後花鼓
- 所選規格的花鼓座
- 已安裝端蓋

06 型號組合

共 84 種組合。完整的貨號與 GTIN 列表見第 4 頁起的附錄。

文件

每件產品均附 **Safety & Quick Start**，也提供 PDF：安裝、扭力、保養、保固。
www.nonpluscomponents.com/support/downloads

製造商

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info@nonpluscomponents.com · +49 7195 9577901
於德國溫嫩登手工製造。

產品頁面

A 附錄 · 組合 1–54 / 共 84

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

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貨號	GTIN / EAN	花鼓顏色	輻條安裝方式	孔數	塔基	軸承
NON-NAB-PRI-0075-019	4072094041272	亮銀色	SP · Straight Pull	24h	Shimano HG Road	Enduro - Steel
NON-NAB-PRI-0075-020	4072094041289	亮銀色	SP · Straight Pull	24h	Sram XD	Enduro - Steel
NON-NAB-PRI-0075-021	4072094041296	亮銀色	SP · Straight Pull	24h	Campagnolo N3W	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-022	4072094041302	亮銀色	SP · Straight Pull	24h	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-023	4072094041319	亮銀色	SP · Straight Pull	24h	Shimano HG Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0075-024	4072094041326	亮銀色	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	霧面黑	T · T-Head	20h	Campagnolo N3W	Highspeed
NON-NAB-PRI-0078-002	4072094041463	霧面黑	T · T-Head	20h	Campagnolo N3W	Enduro - Steel
NON-NAB-PRI-0078-003	4072094041470	霧面黑	T · T-Head	20h	Campagnolo N3W	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0078-004	4072094041487	霧面黑	T · T-Head	20h	Shimano Microspline - Road	Highspeed
NON-NAB-PRI-0078-005	4072094041494	霧面黑	T · T-Head	20h	Shimano Microspline - Road	Enduro - Steel
NON-NAB-PRI-0078-006	4072094041500	霧面黑	T · T-Head	20h	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0078-007	4072094041517	霧面黑	T · T-Head	20h	Shimano HG Road	Highspeed
NON-NAB-PRI-0078-008	4072094041524	霧面黑	T · T-Head	20h	Shimano HG Road	Enduro - Steel
NON-NAB-PRI-0078-009	4072094041531	霧面黑	T · T-Head	20h	Shimano HG Road	Enduro Zero - Ceramic Hybrid
NON-NAB-PRI-0078-010	4072094041548	霧面黑	T · T-Head	20h	Sram XD	Highspeed
NON-NAB-PRI-0078-011	4072094041555	霧面黑	T · T-Head	20h	Sram XD	Enduro - Steel
NON-NAB-PRI-0078-012	4072094041562	霧面黑	T · T-Head	20h	Sram XD	Enduro Zero - Ceramic Hybrid