ROAD · CYCLOCROSS · SPEED GRAVEL · WHEELSET

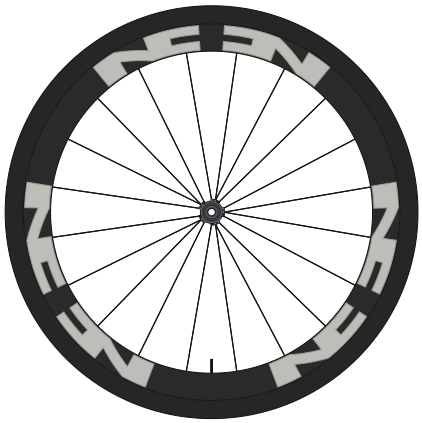
SPEED45

Carbon wheelset with a 45 mm profile. Balanced between aero and handling, for road and fast gravel loops.

1115 g

WHEELSET WEIGHT

RIM DEPTH	INTERNAL WIDTH
45 mm	25 mm
EXTERNAL WIDTH	**MAX. SYSTEM WEIGHT**
32 mm	110 kg



RIM

Material	Carbon
Rim depth	45 mm
Internal width	25 mm
External width	32 mm
ERD	549 mm
Tyre interface	Hooked
Tyre	Tubeless ready
Valve hole	Presta (6.5 mm)

SPOKES

Material	Carbon
Hole count	24h
Lacing pattern	2-cross
Nipples	Aluminium

INTERFACES

Axle system	Thru-axle
Front axle standard	12 × 100 / 15 × 100 mm
Rear axle standard	12 × 142 mm
Brake system	Disc brake
Brake mount	Center Lock

HUB

Model	Primaro J · Primaro SP Gen2 · Primaro M4
Freehub system	NonPlus 45CT ratchet system
Freehub body (cassette)	Shimano HG, Shimano Microspline, SRAM XDR, Campagnolo N3W

WEIGHT

Wheelset	1115 g
Front wheel	500 g
Rear wheel	615 g
Front wheel, steel spokes	535 g
Rear wheel, steel spokes	655 g

TYRES

Tyre width	28–50 mm

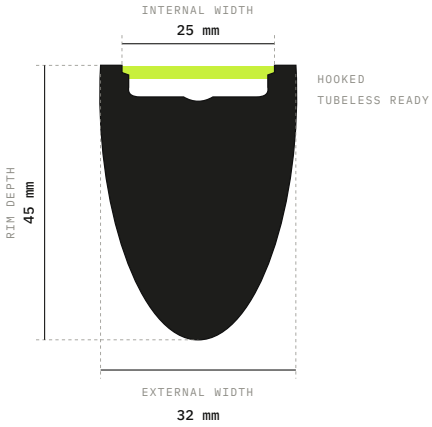
USE

Intended use	Road, Cyclocross, Speed gravel
Max. system weight	110 kg
ASTM class (F2043)	Class 2
E-bike approval	Yes, up to 60 Nm motor torque

TRADE

Item number (base)	NON-WHL-SPD-0310
Variants	72
Country of origin	Germany
HS code	87149210
Warranty	4 years on the hub shell
Packaging (L × W × H)	68 × 30 × 68 cm

01 RIM PROFILE



DIMENSIONS IN MM SCHEMATIC

02 CONFIGURATION

HUB MODEL	Primaro J · Primaro SP Gen2 · Primaro M4
HOLE COUNT	24h
SPOKE TYPE	Aero Spokes - Carbon · Bladed spokes - Black
FREEHUB	Sram XD(R) · Shimano HG Road (not for e-bike) · Shimano Microspline (MS) - Road · Campagnolo N3W
BEARINGS	Highspeed · Enduro - Steel · Enduro Zero - Ceramic Hybrid
HUB COLOR	Black · Glossy Silver
DECAL COLOR	Winnenden White
FRONT AXLE STANDARD	12 × 100 mm · 15 × 100 mm

Outlined values are fixed; all others can be selected in the configurator.

03 TYRE PRESSURE

Tyre width	Tube	Tubeless
28 mm	6.0 bar	5.0 bar
35 mm	5.0 bar	4.5 bar
42 mm	4.5 bar	3.5 bar
47 mm	4.0 bar	3.0 bar
50 mm	3.7 bar	2.7 bar

Maximum tyre pressure in bar per tyre width. The lower value of rim and tyre always applies.

04 IN THE BOX

- Wheelset
- User manual (Safety & Quick Start)

05 VARIANTS

72 variants. The full list with item number and GTIN is in the appendix from page 3.

DOCUMENTS

Safety & Quick Start comes with every product and is available as a PDF: installation, torque values, maintenance, warranty.
www.nonpluscomponents.com/support/downloads

MANUFACTURER

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Handmade in Winnenden, Germany.

PRODUCT PAGE

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ITEM NUMBER	GTIN / EAN	HUB MODEL	SPOKE TYPE	FREEHUB	BEARINGS	HUB COLOR
NON-WHL-SPD-0310-050	4072094036650	Primaro M4	Aero Spokes - Carbon	Sram XD	Highspeed	Glossy Silver
NON-WHL-SPD-0310-053	4072094036667	Primaro M4	Aero Spokes - Carbon	Sram XD	Highspeed	Black
NON-WHL-SPD-0310-056	4072094036674	Primaro M4	Aero Spokes - Carbon	Sram XD	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-059	4072094036681	Primaro M4	Aero Spokes - Carbon	Sram XD	Enduro - Steel	Black
NON-WHL-SPD-0310-062	4072094036698	Primaro M4	Aero Spokes - Carbon	Sram XD	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-065	4072094036704	Primaro M4	Aero Spokes - Carbon	Sram XD	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-068	4072094036711	Primaro M4	Aero Spokes - Carbon	Shimano HG Road	Highspeed	Glossy Silver
NON-WHL-SPD-0310-071	4072094036728	Primaro M4	Aero Spokes - Carbon	Shimano HG Road	Highspeed	Black
NON-WHL-SPD-0310-074	4072094036735	Primaro M4	Aero Spokes - Carbon	Shimano HG Road	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-077	4072094036742	Primaro M4	Aero Spokes - Carbon	Shimano HG Road	Enduro - Steel	Black
NON-WHL-SPD-0310-080	4072094036759	Primaro M4	Aero Spokes - Carbon	Shimano HG Road	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-083	4072094036766	Primaro M4	Aero Spokes - Carbon	Shimano HG Road	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-086	4072094036773	Primaro M4	Aero Spokes - Carbon	Shimano Microspline - Road	Highspeed	Glossy Silver
NON-WHL-SPD-0310-089	4072094036780	Primaro M4	Aero Spokes - Carbon	Shimano Microspline - Road	Highspeed	Black
NON-WHL-SPD-0310-092	4072094036797	Primaro M4	Aero Spokes - Carbon	Shimano Microspline - Road	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-095	4072094036803	Primaro M4	Aero Spokes - Carbon	Shimano Microspline - Road	Enduro - Steel	Black
NON-WHL-SPD-0310-098	4072094036810	Primaro M4	Aero Spokes - Carbon	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-101	4072094036827	Primaro M4	Aero Spokes - Carbon	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-104	4072094036834	Primaro M4	Aero Spokes - Carbon	Campagnolo N3W	Highspeed	Glossy Silver
NON-WHL-SPD-0310-107	4072094036841	Primaro M4	Aero Spokes - Carbon	Campagnolo N3W	Highspeed	Black
NON-WHL-SPD-0310-110	4072094036858	Primaro M4	Aero Spokes - Carbon	Campagnolo N3W	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-113	4072094036865	Primaro M4	Aero Spokes - Carbon	Campagnolo N3W	Enduro - Steel	Black
NON-WHL-SPD-0310-116	4072094036872	Primaro M4	Aero Spokes - Carbon	Campagnolo N3W	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-119	4072094036889	Primaro M4	Aero Spokes - Carbon	Campagnolo N3W	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-121	4072094036896	Primaro J	Bladed spokes - Black	Sram XD	Highspeed	Glossy Silver
NON-WHL-SPD-0310-123	4072094036902	Primaro SP Gen2	Bladed spokes - Black	Sram XD	Highspeed	Glossy Silver
NON-WHL-SPD-0310-124	4072094036919	Primaro J	Bladed spokes - Black	Sram XD	Highspeed	Black
NON-WHL-SPD-0310-126	4072094036926	Primaro SP Gen2	Bladed spokes - Black	Sram XD	Highspeed	Black
NON-WHL-SPD-0310-127	4072094036933	Primaro J	Bladed spokes - Black	Sram XD	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-129	4072094036940	Primaro SP Gen2	Bladed spokes - Black	Sram XD	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-130	4072094036957	Primaro J	Bladed spokes - Black	Sram XD	Enduro - Steel	Black
NON-WHL-SPD-0310-132	4072094036964	Primaro SP Gen2	Bladed spokes - Black	Sram XD	Enduro - Steel	Black
NON-WHL-SPD-0310-133	4072094036971	Primaro J	Bladed spokes - Black	Sram XD	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-135	4072094036988	Primaro SP Gen2	Bladed spokes - Black	Sram XD	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-136	4072094036995	Primaro J	Bladed spokes - Black	Sram XD	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-138	4072094037008	Primaro SP Gen2	Bladed spokes - Black	Sram XD	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-139	4072094037015	Primaro J	Bladed spokes - Black	Shimano HG Road	Highspeed	Glossy Silver
NON-WHL-SPD-0310-141	4072094037022	Primaro SP Gen2	Bladed spokes - Black	Shimano HG Road	Highspeed	Glossy Silver
NON-WHL-SPD-0310-142	4072094037039	Primaro J	Bladed spokes - Black	Shimano HG Road	Highspeed	Black
NON-WHL-SPD-0310-144	4072094037046	Primaro SP Gen2	Bladed spokes - Black	Shimano HG Road	Highspeed	Black
NON-WHL-SPD-0310-145	4072094037053	Primaro J	Bladed spokes - Black	Shimano HG Road	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-147	4072094037060	Primaro SP Gen2	Bladed spokes - Black	Shimano HG Road	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-148	4072094037077	Primaro J	Bladed spokes - Black	Shimano HG Road	Enduro - Steel	Black
NON-WHL-SPD-0310-150	4072094037084	Primaro SP Gen2	Bladed spokes - Black	Shimano HG Road	Enduro - Steel	Black
NON-WHL-SPD-0310-151	4072094037091	Primaro J	Bladed spokes - Black	Shimano HG Road	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-153	4072094037107	Primaro SP Gen2	Bladed spokes - Black	Shimano HG Road	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-154	4072094037114	Primaro J	Bladed spokes - Black	Shimano HG Road	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-156	4072094037121	Primaro SP Gen2	Bladed spokes - Black	Shimano HG Road	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-157	4072094037138	Primaro J	Bladed spokes - Black	Shimano Microspline - Road	Highspeed	Glossy Silver
NON-WHL-SPD-0310-159	4072094037145	Primaro SP Gen2	Bladed spokes - Black	Shimano Microspline - Road	Highspeed	Glossy Silver
NON-WHL-SPD-0310-160	4072094037152	Primaro J	Bladed spokes - Black	Shimano Microspline - Road	Highspeed	Black
NON-WHL-SPD-0310-162	4072094037169	Primaro SP Gen2	Bladed spokes - Black	Shimano Microspline - Road	Highspeed	Black
NON-WHL-SPD-0310-163	4072094037176	Primaro J	Bladed spokes - Black	Shimano Microspline - Road	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-165	4072094037183	Primaro SP Gen2	Bladed spokes - Black	Shimano Microspline - Road	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-166	4072094037190	Primaro J	Bladed spokes - Black	Shimano Microspline - Road	Enduro - Steel	Black
NON-WHL-SPD-0310-168	4072094037206	Primaro SP Gen2	Bladed spokes - Black	Shimano Microspline - Road	Enduro - Steel	Black
NON-WHL-SPD-0310-169	4072094037213	Primaro J	Bladed spokes - Black	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-171	4072094037220	Primaro SP Gen2	Bladed spokes - Black	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid	Glossy Silver

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ITEM NUMBER	GTIN / EAN	HUB MODEL	SPOKE TYPE	FREEHUB	BEARINGS	HUB COLOR
NON-WHL-SPD-0310-172	4072094037237	Primaro J	Bladed spokes - Black	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-174	4072094037244	Primaro SP Gen2	Bladed spokes - Black	Shimano Microspline - Road	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-175	4072094037251	Primaro J	Bladed spokes - Black	Campagnolo N3W	Highspeed	Glossy Silver
NON-WHL-SPD-0310-177	4072094037268	Primaro SP Gen2	Bladed spokes - Black	Campagnolo N3W	Highspeed	Glossy Silver
NON-WHL-SPD-0310-178	4072094037275	Primaro J	Bladed spokes - Black	Campagnolo N3W	Highspeed	Black
NON-WHL-SPD-0310-180	4072094037282	Primaro SP Gen2	Bladed spokes - Black	Campagnolo N3W	Highspeed	Black
NON-WHL-SPD-0310-181	4072094037299	Primaro J	Bladed spokes - Black	Campagnolo N3W	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-183	4072094037305	Primaro SP Gen2	Bladed spokes - Black	Campagnolo N3W	Enduro - Steel	Glossy Silver
NON-WHL-SPD-0310-184	4072094037312	Primaro J	Bladed spokes - Black	Campagnolo N3W	Enduro - Steel	Black
NON-WHL-SPD-0310-186	4072094037329	Primaro SP Gen2	Bladed spokes - Black	Campagnolo N3W	Enduro - Steel	Black
NON-WHL-SPD-0310-187	4072094037336	Primaro J	Bladed spokes - Black	Campagnolo N3W	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-189	4072094037343	Primaro SP Gen2	Bladed spokes - Black	Campagnolo N3W	Enduro Zero - Ceramic Hybrid	Glossy Silver
NON-WHL-SPD-0310-190	4072094037350	Primaro J	Bladed spokes - Black	Campagnolo N3W	Enduro Zero - Ceramic Hybrid	Black
NON-WHL-SPD-0310-192	4072094037367	Primaro SP Gen2	Bladed spokes - Black	Campagnolo N3W	Enduro Zero - Ceramic Hybrid	Black