



NON-STANDARD WHEELS IN CONFORMITY WITH ARTICLE 1.3.018

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Article 1.3.018 relates only to mass start competitions.

In this type of events, the riders generally use standard (traditional) wheels which are clearly defined in Article 1.3.018. These wheels are authorised de facto.

However, during mass start competitions, certain riders do use non-standard wheels (rims higher than 2.5 cm, fewer than 16 spokes, spoke thicknesses of over 2.4 mm). If any of these conditions is noted, the wheel is deemed to be a non-standard wheel and must have passed a rupture test in order for it to be authorised for use in competition.

The manufacturers inform the UCI of the names of wheels which have been successfully tested. The names of these wheels are shown in the list below. The wheels can therefore be clearly identified. If this is not the case then the wheel is not authorised for use.

4ZA

-	Cirrus Pro C50	50 mm rim	20 spokes
-	Cirrus Pro T50	50 mm rim	20 spokes
-	Cirrus Pro T100	100 mm rim	20 spokes

ADA

-	Ada wheel - V Profile (50 mm) composite carbon aramid	20 spokes
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AEROHEAD

-	Pro	16 spokes
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AMBROSIO

-	Luster		24/28 spokes
-	F28Comp		20/24 spokes
-	X Carbo		28 spokes
-	XUL		28 spokes
-	XXL tubular	Zipp 360 rim	20/24 spokes
-	XXL clincher	Zipp 505 rim	20/24 spokes
-	Laserpro		20/24 spokes
-	Theorema		16/20 spokes

AMERICAN CLASSIC

-	CR-420	18 spokes
-	Carbon 38	
-	Carbon 58	

ASK TRADING INC.

-	BOMA TH-11C	50 mm rim	20/24 spokes
-	BOMA TH-13W	38 mm rim	20/24 spokes

BIANCHI

-	XL Levitation	16/24 spokes
-	XL Elevation	16/24 spokes

CAMPAGNOLO

-	Neutron tubular/clincher	22 spokes
-	Neutron Ultra clincher	22 spokes
-	Hyperon	22 spokes
-	Khamsin clincher	24 spokes
-	Shamal Ultra tubular/clincher	16 spokes
-	Proton	22 spokes
-	Eurus WH02-EUCF	16 spokes
-	Eurus Carbon WH4-EUCFC	16 spokes
-	Eurus 2006 tubular/clincher	16 spokes

-	Bora		18 spokes	
-	Scirocco G3 & Scirocco 2006 clincher		24 spokes	
-	Zonda G4 & Zonda 2006 clincher		16 spokes	
-	Zonda		18 spokes	production stopped
-	Atlanta 96		28/32/36 spokes	production stopped
-	Vento G3 & Vento 2006		24 spokes	
-	Zonda		16 spokes	

CARBONSPO RTS

-	Light Weight by Carbonsports – Ventoux		20 spokes	
-	Lightweight Obermayer 12 Gen. II		12 spokes	production stopped
-	Lightweight Obermayer 16 Gen. II		16 spokes	production stopped
-	Lightweight Obermayer 20 Gen. II		20 spokes	production stopped
-	Lightweight Standard 12 Gen. II		12 spokes	production stopped
-	Lightweight Standard 16 Gen. II		16 spokes	production stopped
-	Lightweight Standard 20 Gen. II		20 spokes	production stopped
-	Lightweight Standard 16 Gen. III		16spokes	

CITEC

-	3000 aluminium		16 spokes	
-	Ultralite aluminium		20 spokes	production stopped
-	Jet aluminium		16 spokes	production stopped
-	3000 S Aero		14 spokes	
-	3000 S Aero Carbon		16 spokes	
-	6000 CX Carbon		12 spokes	

COLE

-	Shuriken tubular		16/20 spokes	
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COLNAGO

-	Star		18 spokes	
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CONTROLTECH

-	Auster	38 mm rim	20/24 spokes	
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CORIMA

-	AERO tubular		18/24 spokes	
-	AERO clincher		18/24 spokes	
-	AERO+ MCC tubular	50 mm rim	12 spokes	
-	WINIUM+ MCC tubular	28 mm rim	12 spokes	
-	Stevens Scorpo tubular		18/24 spokes	
-	Stevens Scorpo clincher		18/24 spokes	

DECATHLON

-	Penta Aero 20 clincher		20 spokes	production stopped
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DETEC

-	M58 carbon	58 mm rim	20 spokes	
-	U38 carbon	38 mm rim	20 spokes	
-	U45 carbon	45 mm rim	20 spokes	
-	U50 carbon	50 mm rim	20 spokes	
-	U60 carbon	60 mm rim	20 spokes	
-	U80 carbon	80 mm rim	20 spokes	

DIERL

-	Lightweight Carbon Fiber		20 spokes	
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DT SWISS

-	RRC 1250 clincher		18 spokes	
-	RR 1850 clincher		20 spokes	
-	RRC 425F Tubular 32 (Reynolds MV32 T UL)		20 spokes	

-	RRC 570F Clincher 32 (Reynolds MV32C UL)		20 spokes
-	RRC 445F Tubular 46 (Reynolds DV46T UL)		16/20 spokes
-	RRC 600F Clincher 46 (Reynolds DV46C UL)		16/20 spokes
-	RRC 625F Tubular 66 (Reynolds SDV 66 T)		16 spokes

EASTON

-	EC90 Aero	56 mm rim	18/20 spokes
-	EC90 SL	38 mm rim	18/24 spokes

ENVE COMPOSITES

-	Carbon 68 / 65 tubular		16/20/24/28 spokes
-	Carbon 45		18/20/24/28 spokes

EDGE DESIGN

-	Edge 38FC tubular	38 mm rim	20 spokes
-	Edge 50FC tubular	50 mm rim	20 spokes
-	Edge 58FC tubular	58 mm rim	20 spokes
-	Edge 85FC tubular	85 mm rim	20 spokes
-	Sidewinder 3.8	38 mm rim	20 spokes
-	Sidewinder 8.5	85 mm rim	20 spokes

EQUINOX

-	RT033-700C carbon	33 mm rim	20 spokes
-	RT038-700C carbon	38 mm rim	20 spokes
-	RT050-700C carbon	50 mm rim	20 spokes
-	RT050C-700C carbon	50 mm rim	20 spokes
-	WH051-700C Carbon	85 mm rim	20 spokes

FFWD (FAST FORWARD WHEELS)

-	F6		20/24 spokes
-	F5 carbon	50 mm rim	20/24 spokes
-	F4 carbon	40 mm rim	24 spokes

FIR

-	Galaxium (carbon wings on spokes)		20 spokes
-	Ra Antara		28 spokes
-	Ra Antara		18 spokes
-	Speed Lite		18/24/28 spokes

FSA EUROPE

-	K-Force Carbon tubular		20 spokes
-	SLK Carbon	50 mm rim	20/24 spokes

FULCRUM

-	Racing Zero tubular/clincher		16 spokes	
-	Racing Zero 2-Way Fit clincher/tubeless		16 spokes	
-	Racing 1 tubular/clincher		16 spokes	
-	Racing 1 2-Way Fit clincher/tubeless		16 spokes	
-	Racing 3 clincher		16 spokes	
-	Racing 5 clincher		24 spokes	
-	Racing 5 Evolution clincher		20 spokes	
-	Racing 7 clincher		20 spokes	
-	Racing Light tubular/clincher		22 spokes	
-	Racing Light XLR tubular		18 spokes	
-	Racing Speed tubular		18 spokes	
-	Racing Speed XLR tubular		18 spokes	
-	Racing FC tubular		18 spokes	production stopped

GIPIEMME

-	Grecal 28"		16 spokes
-	Tecno Star 28"		24 spokes
-	Tecno 024 Race 28"		24 spokes
-	Fulcrum 28		16 spokes

-	Tecno 1.55		20 spokes
-	Tecno 324		24 spokes
-	Tecno 716		16 spokes
-	Carbon H4.0		20 spokes
-	Carbon H5.5		20 spokes
-	Phoenix		20 spokes

GRAVITY-ZERO

-	Carbon Tubular	50 mm rim	20 spokes
-	Carbon Clincher	50 mm rim	20 spokes

HED

-	ALPS 700C		18 spokes
-	Stinger 4	46 mm rim	18/24 spokes
-	Stinger 6	60 mm rim	18/24 spokes
-	Stinger 9	90 mm rim	18/24 spokes
-	Jet 6	63 mm rim	18/24/28 spokes
-	Jet 9	90 mm rim	18/24/28 spokes
-	Scorpio or Stinger 3		18 spokes

KINLIN

-	XKeymet KWS-C1		24 spokes
-	XKeymet TB-25 tubular		24 spokes

LITE

-	T58 carbon tubular (Detec M58)	58 mm rim	20 spokes
-	C38 carbon clincher (Detec U38)	38 mm rim	20 spokes
-	C50 carbon clincher (Detec U50)	50 mm rim	20 spokes
-	C80 carbon clincher (Detec U80)	80 mm rim	20 spokes

MARCHISIO

-	Tetragon		16 spokes	production stopped
-	Zefir		16 spokes	
-	Tension		20 spokes	
-	Solida		28 spokes	
-	Carbozefir / T800	38 mm rim	20 spokes	

MATRIX

-	T38 carbon tubular	38 mm rim	20 spokes
-	T50 carbon tubular	50 mm rim	20 spokes
-	T60 carbon tubular	60 mm rim	20 spokes
-	SCHNELL PODIUM 38	38 mm rim	20 spokes
-	SCHNELL PODIUM 50	50 mm rim	20 spokes
-	SCHNELL PODIUM 60	60 mm rim	20 spokes

MAVIC

-	Cosmic Elite			
-	Cosmic Carbone Pro, SL, SL Premium, SSC, Ultimate, SLR			production stopped
-	Cosmic Carbone 80 SSC 2010		16/20 spokes	
-	Ksyrium SSC		18/20 spokes	production stopped
-	Ksyrium SSC SL		18/20 spokes	production stopped
-	Ksyrium SSC SL2		18/20 spokes	production stopped
-	Ksyrium SSC SL TdF		18/20 spokes	production stopped
-	Ksyrium Equipe, SL, ELITE, ES		18/20 spokes	production stopped
-	Ksyrium SL Premium		18/20 spokes	production stopped
-	Ksyrium SL "10ème anniversaire" clincher		18 spokes	
-	R-SYS SL tubular/clincher		16/20 spokes	
-	R-SYS Premium clincher		16/20 spokes	
-	R-SYS Ultimate tubular		16/20 spokes	
-	R-SYS Lab ISM 3D		16/20 spokes	

- K10 16/20 spokes

MAX-WHEEL

- Unlimited Speed 50 mm rim 20 spokes

MERCURY

- M3 tubular 38 mm rim 20 spokes
 - M5 tubular 58 mm rim 20 spokes
 - M9 tubular 85 mm rim 20 spokes
 - M3 clincher 38 mm rim 20 spokes
 - M9 clincher 85 mm rim 20 spokes

MICHE

- Radial tubular Zipp 303 rim 24/28 spokes production stopped
 - Radial 20/28 spokes production stopped
 - Supertype tubular Zipp 404 rim 24/28 spokes
 - Supertype clincher Zipp 404 rim 24/28 spokes
 - Supertype 358 tubular Zipp 365 and 280 rims
 - SWR Carbon 18 spokes
 - SWR Full Carbon 38 mm rim 18/24 spokes

NEUGENT

- Neuvation M28 Aero 16 spokes

NIPPON MITSUBISHI OIL CORPORATION

- Nisseki Carbon Wheel AM27 18 spokes

NOVATEC

- W150 Tubular 50 mm rim 20 spokes
 - W240 Tubular 40 mm rim 20 spokes
 - W285 Tubular 85 mm rim 16 spokes
 - W350 Tubular 50 mm rim 20 spokes
 - W752 Tubular 52 mm rim 20 spokes

PROFILE DESIGN

- Altair 52mm Carbon 52 mm rim 20/24 spokes

PRO-LITE

- Gavia 20 spokes
 - Vicenza 20 spokes

PRORACE

- Shooters CW051 carbon 51 mm rim 20/24 spokes

REYNOLDS

- DV46T (Stratus DV) 16/20 spokes production stopped
 - Assault Cross / Assault Track 16/20 spokes
 - DV46UL (Stratus DV UL Carbon) 16/20 spokes production stopped
 - Forty-Six 16/20 spokes
 - Forty-Six 16/20 spokes
 - Assault 16/20 spokes
 - MV32T (Cirro MV) 20 spokes production stopped
 - Thirty-Two 20 spokes
 - Thirty-Two 20 spokes
 - Attack 20 spokes
 - Sixty-Six 16 spokes
 - Solitude 20 spokes
 - RZR Sawtooth 46T 16 spokes

RITCHEY

- WCS Protocol Road 16 spokes
 - Pro DS Road 20 spokes
 - Comp DS Road 20 spokes

- Velomax Circuit production stopped
- Superlogic Carbon Tubular 46 (Reynolds DV46T UL) 16/20 spokes
- Superlogic Carbon Clincher 46 (Reynolds DV46C UL) 16/20 spokes

ROLF PRIMA

- Vigor 14 spokes
- Echelon 16 spokes
- Carbon TdF 38 14 spokes
- Carbon TdF 58 12 spokes

SHIMANO

- WH-R535 clincher (black/silver) 16 spokes production stopped
- WH-540 clincher (black) 16 spokes production stopped
- WH-6500 clincher (silver) 16 spokes production stopped
- WH-7700 tubular/clincher (dark green) 16 spokes production stopped
- WH-7700 CFRP tubular (black) 16 spokes production stopped
- WH-7701 tubular/clincher (black) 16 spokes production stopped
- WH-7701 CFRP tubular (black) 16 spokes production stopped
- WH-7800 + WH 7801 tubular/clincher (silver) Dura Ace 16/20/24 spokes production stopped
- WH-7800 + WH 7801 CFRP tubular (silver) Dura Ace 16/20/24 spokes production stopped
- WH-7800 SL + WH 7801 tubular (black) Dura Ace 16/20 spokes production stopped
- WH-7850-C50-CL 16 spokes
- WH-7850-C50-TU 16 spokes
- WH-RS 30 16 spokes
- WH-7850-C75-TU 12 spokes
- WH-7850-C35-TU 16 spokes
- WH-7900-C35-TU 16 spokes
- WH-7900-C35-CL 35 mm rim 16 spokes
- WH-7900-C50-CL 50 mm rim 16/20 spokes
- WH-7900-C50-TU 50 mm rim 16/20 spokes
- WH-R501-30 20/24 spokes
- WH-RS20-A 16 spokes
- WH-RS30-A 16 spokes
- WH-RS80-C50-CL 16 spokes
- PRO RC50 High Profile Carbon clincher 24 spokes
- PRO RC50 High Profile Carbon tubular 24 spokes

SPINERGY

- SRX (2B02) 20/28 spokes
- SR3 (2S02) 20/28 spokes
- X Aero (PRI-FC-111) 16/20 spokes
- X Aero Lite (2L02) 18/20 spokes
- X Aero Carbon 16/20 spokes

SUNNY CROWN ENTERPRISE

- CKT Splendor Carbone 16/18 spokes
- CKT Aurora Carbon 16 spokes

THORIUS

- SHADO Carbon clincher 16/20 spokes
- SHADO Carbon tubular 16/20 spokes
- N'ERA 24 spokes

TOKEN

- C30A 20 spokes
- T50 20 spokes
- T38 20/24 spokes
- C50 20/24 spokes
- T33 33 mm rim 20/24 spokes
- C55A 55 mm rim 20/24 spokes

TOPOLINO

Equipment

- Revelation 24 spokes

TREK

- Bontrager Aeolus 3 CX 35 mm rim 18 spokes
- Bontrager Aeolus 3 Tubular 35 mm rim 18 spokes
- Bontrager Aeolus 9.0 (XXX-lite Aero 90) 16 spokes
- Bontrager Aeolus 6.5 (XXX-lite Aero 60) 16 spokes
- Bontrager Aeolus 5.0 Tubular 16 spokes
- Bontrager Aeolus 5.0 ACC Clincher 16 spokes
- Bontrager Aeolus 5.0 SE Carbon Tubular 18 spokes
- Bontrager 5.0 Tubular 18 spokes
- Bontrager Race X-lite Aero Tubular 16 spokes production stopped
- Bontrager Race X-lite Carbon Aero Tubular 16 spokes production stopped
- Bontrager Race X-lite Tubular 20/24 spokes production stopped
- Bontrager Race X-lite Clincher 20/24 spokes
- Bontrager Race Lite Tubular 20/24 spokes production stopped
- Bontrager Race Lite Aero Clincher 20/24 spokes
- Vector Comp (Rolf) 20 spokes production stopped
- Vector Pro (Rolf) 14 spokes production stopped

TUFO

- Cyclone Energy 20 spokes

URSUS

- Miura C58 58 mm rim 20/24 spokes

VISION

- TriMaxPro Special Series Aluminium 20 spokes
- TriMax Carbon 50 mm rime 20/24 spokes

VUELTA

- XRP III Silver 24 spokes
- Xlite 20 spokes
- Carbon Pro 12 spokes

VZAN

- Futura 20 spokes
- Concept Road 20 spokes

XERO

- XR-1F 16 spokes

ZIPP SPEED WEAPONRY

- 303 Z3 Tubular Zipp 280 rim 18/21 spokes production stopped
- 303 Tubular 650c Zipp 245 rim
- 303 Tubular 700c
- 303 Clincher Zipp 415 rim 18 spokes
- 303 Clincher 650c Zipp 370 rim 18 spokes
- 404 Z4 Tubular Zipp 360 rim 18/21 spokes production stopped
- 404 Tubular 650c Zipp 330 rim
- 404 Tubular 700c
- 404 Clincher Zipp 505 rim 18 spokes
- 404 Clincher 650c Zipp 460 rim
- 808 Tubular Zipp 420 rim 18 spokes
- 808 Clincher Zipp 420 rim
- Velomax Tempest II production stopped
- SRAM S30 AL Sprint 30 mm rim 18/20 spokes
- SRAM S40 Clincher Zipp 415 rim
- SRAM S60 Clincher Zipp 505 rim
- SRAM S80 Clincher Zipp 520 rim
- FlashPoint 40 Zipp 415 rim
- FlashPoint 60 Zipp 505 rim

are exempted from the rupture test referred to above. A traditional wheel is deemed to be a wheel with at least 16 metal spokes; the spokes may be round, flat or oval, provided that no dimension of their cross sections exceeds 2.4 mm; the section of the rim must not exceed 2.5 cm on each side.

Notwithstanding this article, the choice and use of wheels remains subject to Articles 1.3.001 to 1.3.003.