NON-STANDARD WHEELS IN CONFORMITY WITH ARTICLE 1.3.018

Version on 08.05.2013

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.

3T CYCLING

-	3T Mercurio 40 LTD	40mm rim	18 spokes
-	3T Mercurio 60 LTD	60mm rim	18 spokes
-	3T Mercurio 80 LTD	80mm rim	16 spokes

4ZA

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

ADA

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

AEROHEAD

-	Pro		16 spokes

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

AMECO CARBONTECH

-	AVIIAV 30C	32mm rim	16 spokes
-	AVIIAV 52C	52mm rim	16 spokes

AMERICAN CLASSIC

-	CR-420		18 spokes
-	Carbon 38		
-	Carbon 58		
-	Carbon 58 Clincher Series 3	58mm rim	18/20/24 spokes
-	Carbon 58 Tubular Series 3	58mm rim	18/20/24 spokes
-	Carbon 85 Tubular Series 3	85mm rim	18/20/24 spokes

ASK TRADING INC.

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

BIANCHI

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

CAMPAGNOLO

-	Neutron tubular/clincher	22 spokes	production stopped
-	Neutron Ultra clincher	22 spokes	
-	Hyperon	22 spokes	
-	Shamal Ultra tubular/clincher	16 spokes	
-	Shamal Ultra 2-Way Fit clincher/tubeless	18 spokes	
-	Eurus 2006 tubular/clincher	16 spokes	
-	Eurus 2-Way Fit clincher/tubeless	18 spokes	
-	Proton	22 spokes	production stopped
-	Eurus WH02-EUCF	16 spokes	production stopped
-	Eurus Carbon WH4-EUCFC	16 spokes	production stopped
-	Zonda G4 & Zonda 2006 clincher	16 spokes	production stopped
-	Zonda clincher	16 spokes	
-	Scirocco G3 & Scirocco 2006 clincher	24 spokes	
-	Vento G3 & Vento 2006 clincher	24 spokes	production stopped
-	Vento reaction G3 clincher	24 spokes	
-	Khamsin clincher	24 spokes	
-	Bora ONE 35 tubular	18 spokes	
-	Bora ONE 35 CX tubular	18 spokes	
-	Bora ULTRA 35 tubular	18 spokes	
-	Bora ONE tubular	18 spokes	
-	Bora ULTRA TWO tubular	18 spokes	
-	Bora ULTRA 80 tubular	16 spokes	

CARBONSPORTS

-	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	

CLOSE 2

-	Close2 type “AL30C” clincher	30mm rim	20 spokes
-	Close2 type “C50T” tubular	50mm rim	20 spokes

COLE

-	Shuriken tubular		16/20 spokes
-	Cole T85 Lite Etroto 622/700C	85mm rim	16 spokes
-	Cole AC 38 Lite Etrto 622/700C	38mm rim	16 spokes
-	Cole T50 Lite Etrto 622/700C	50mm rim	16 spokes

COLNAGO

-	Star		18 spokes

CONTROLTECH

-	Auster	38mm rim	20/24 spokes

CORECARBON WHEELS PTY LTD

-	Corecarbon 38 clincher	38mm rim	20/24 spokes
-	Corecarbon 58 clincher	58mm rim	20/24 spokes

CORIMA

-	AERO tubular		18/24 spokes
-	AERO clincher		18/24 spokes
-	AERO+ MCC tubular	50mm rim	12 spokes
-	WINIUM+ MCC tubular	28mm rim	12 spokes
-	Stevens Scorpo tubular		18/24 spokes
-	Stevens Scorpo clincher		18/24 spokes
-	UP S (12R)	74mm rim	12 spokes
-	UP S (18R)	74mm rim	18 spokes
-	VIVA MCC “S”	35mm rim	12 spokes
-	VIVA “S”	35mm rim	18 spokes

DECATHLON

-	Penta Aero 20 clincher		20 spokes	production stopped

DETEC

-	M58 carbon	58mm rim	20 spokes
-	U38 carbon	38mm rim	20 spokes
-	U45 carbon	45mm rim	20 spokes
-	U50 carbon	50mm rim	20 spokes
-	U60 carbon	60mm rim	20 spokes
-	U80 carbon	80mm rim	20 spokes
-	Lite T58 carbon tubular	58mm rim	20 spokes
-	Lite C38 carbon clincher	38mm rim	20 spokes
-	Lite C50 carbon clincher	50mm rim	20 spokes
-	Lite C80 carbon clincher	80mm rim	20 spokes
-	Wan Chung WHC-DR01 38	38mm rim	20 spokes
-	Wan Chung WHC-DR02 50	50mm rim	20 spokes
-	Wan Chung WHC-DR03 60	60mm rim	20 spokes
-	Wan Chung WHC-DR04 80	80mm rim	20 spokes
-	MTI U-38	38mm rim	20 spokes
-	MTI U-50	50mm rim	20 spokes
-	MTI U-80	80mm rim	20 spokes

DIERL

-	Lightweight Carbon Fiber	20 spokes

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	56mm rim	18/20 spokes
-	EC90 SL	38mm rim	18/24 spokes
-	EC90 Sprint	75mm rim	18/20/24 spokes

EDCO ENGINEERING BV

-	EDCO/oseous FURKA Competition	58mm rim	20/24 spokes
-	OSEOUS/edco FCC58	58mm rim	20/24 spokes
-	EDCO/osseous ALBULA Competition	38mm rim	20/24 spokes
-	OSEOUS/edco FCC38	38mm rim	20/24 spokes

EDGE DESIGN

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

ENVE COMPOSITES

-	Carbon 68 / 65 tubular		16/20/24/28 spokes
-	Carbon 45		18/20/24/28 spokes
-	Smart ENVE 6.7 Tubular	60mm rim	16/20/24/28 spokes
-	Smart ENVE 8.9 Tubular	85mm rim	16/20/24/28 spokes
-	Smart ENVE 6.7 Clincher	60mm rim	16/20/24/28 spokes

EQUINOX

-	RT033-700C carbon	33mm rim	20 spokes
-	RT038-700C carbon	38mm rim	20 spokes
-	RT050-700C carbon	50mm rim	20 spokes
-	RT050C-700C carbon	50mm rim	20 spokes
-	WH051-700C Carbon	85mm rim	20 spokes
-	WH135	55mm rim	16 spokes
-	WH136	45mm rim	16 spokes

FFWD (FAST FORWARD WHEELS)

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

-	FSA K-Force Carbon tubular		20 spokes
-	FSA SLK Carbon	50mm rim	20/24 spokes
-	FSA K-Force 40 / SL-K 40 tubular	40mm rim	18 spokes
-	FSA K-Force 55 / SL-K 55 tubular	55mm rim	18 spokes
-	FSA K-Force 81 / SL-K 81 tubular	81mm rim	18 spokes
-	Vision TriMaxPro Special Series Aluminium		20 spokes
-	Vision TriMax Carbon	50mm rim	20/24 spokes
-	Vision Metron 40 tubular	40mm rim	18 spokes
-	Vision Metron 55 tubular	55mm rim	18 spokes
-	Vision Metron 81 tubular	81mm rim	18 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 35 tubular		18 spokes	
-	Racing Speed 35 CX tubular		18 spokes	
-	Racing Speed XLR 35 tubular		18 spokes	
-	Racing Speed tubular		18 spokes	
-	Racing Speed XLR tubular		18 spokes	
-	Racing Speed XLR 80 tubular		16 spokes	
-	Racing FC tubular		18 spokes	production stopped

GIANT

-	GIANT P-SLR 1 aero (DT Swiss)	48mm rim	16 spokes

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
-	Tecno Krono	28mm rim	20/24 spokes
-	Carbon 6.0	60mm rim	20/24 spokes

GRAVITY-ZERO

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

HED

-	ALPS 700C		18 spokes
-	Stinger 4	46mm rim	18/24 spokes
-	Stinger 5	52mm rim	18/24 spokes
-	Stinger 6	60mm rim	18/24 spokes
-	Stinger 7	78mm rim	18/24 spokes
-	Stinger 9	90mm rim	18/24 spokes
-	Jet 6	63mm rim	18/24/28 spokes
-	Jet 9	90mm rim	18/24/28 spokes
-	Scorpio or Stinger 3		18 spokes

INFINITO CYCLING

-	Infinito R6	60mm rim	20/24 spokes

JORBI BIKES

-	JORBI A30	30mm rim	20 spokes

KINLIN

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

KONDO MACHINE CORPORATION

-	GOKISO Wheel 50mm Carbon Tubular		20 spokes

MAD FIBER INC.

-	Mad Fiber Clincher	60mm rim	12/18 spokes
-	Mad Fiber Tubular	60mm rim	12/18 spokes

MARCHISIO

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

MATRIX

-	T38 carbon tubular	38mm rim	20 spokes	
-	T50 carbon tubular	50mm rim	20 spokes	
-	T60 carbon tubular	60mm rim	20 spokes	
-	SCHNELL PODIUM 38	38mm rim	20 spokes	
-	SCHNELL PODIUM 50	50mm rim	20 spokes	
-	SCHNELL PODIUM 60	60mm 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		18/20 spokes	
-	R-SYS SL tubular/clincher		16/20 spokes	
-	R-SYS Premium clincher		16/20 spokes	
-	Cosmic Carbone 80 G11 tubular		16/20 spokes	
-	Cosmic Carbone 80 G13 tubular		16/20 spokes	
-	CXR 80 tubular without blades		16/20 spokes	
-	Ksyrium ELITE S clincher		18/20 spokes	
-	Ksyrium SL S clincher		18/20 spokes	
-	R-SYS SLR Gamme 11 clincher		16/20 spokes	
-	R-SYS SLR Gamme 13 clincher		16/20 spokes	
-	Ksyrium SR clincher		18/20 spokes	
-	Ksyrium SLR clincher		18/20 spokes	
-	Cosmic Carbone SLE clincher		16/20 spokes	
-	Cosmic Carbone SR clincher		20 spokes	

MAX-WHEEL

-	Unlimited Speed	50mm rim	20 spokes	

MERCURY

-	M3 tubular	38mm rim	20 spokes	
-	M5 tubular	58mm rim	20 spokes	
-	M9 tubular	85mm rim	20 spokes	
-	M3 clincher	38mm rim	20 spokes	
-	M9 clincher	85mm 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	38/50mm rim	18/24 spokes	
-	Reflex RX 5 clincher	23mm rim	24/28 spokes	
-	Race 707 clincher	25mm rim	20/28 spokes	
-	Supertype 558 RS tubular	58mm rim	18/24 spokes	
-	Connect clincher	25mm rim	18/24 spokes	

NEUGENT

-	Neuvation M28 Aero		16 spokes	

NIPPON MITSUBISHI OIL CORPORATION

-	Nisseki Carbon Wheel AM27		18 spokes	

NOVATEC

-	W150 Tubular	50mm rim	20 spokes	
-	W240 Tubular	40mm rim	20 spokes	
-	W250 Tubular	50mm rim	20 spokes	
-	W285 Tubular	85mm rim	16 spokes	
-	W350 Tubular	50mm rim	20 spokes	
-	W752 Tubular	52mm rim	20 spokes	
-	W250 Clincher	50mm rim	20 spokes	

PROFILE DESIGN

-	Altair 52mm Semi Carbon Clincher	52mm rim	20/24 spokes	
-	Altair 52mm Full Carbon Clincher	52mm rim	20/24 spokes	
-	Altair 52mm Full Carbon Tubular	52mm rim	20/24 spokes	
-	Altair 80 mm Semi Carbon Clincher	80mm rim	20/24 spokes	
-	Altair 80 mm Full Carbon Clincher	80mm rim	20/24 spokes	
-	Altair 80 mm Full Carbon Tubular	80mm rim	20/24 spokes	
-	Armada 38 AL	38mm rim	20/24 spokes	
-	58/TwentyFour Full Carbon Clincher	58mm rim	20/24 spokes	
-	58/TwentyFour Full Carbon Tubular	58mm rim	20/24 spokes	
-	78/TwentyFour Full Carbon Clincher	78mm rim	20/24 spokes	
-	78/TwentyFour Full Carbon Tubular	78mm rim	20/24 spokes	

PRO-LITE

-	Gavia		20 spokes	
-	Vicenza		20 spokes	

PRORACE

-	Shooters CW051 carbon	51mm 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		16/20 spokes	
-	Solitude		20 spokes	
-	RZR Sawtooth 46T		16 spokes	
-	Eighty One		16/20 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	
-	Ritchey WCS APEX 50		20 spokes	
-	Ritchey WCS APEX 46 (Reynolds Forty-Six)		20 spokes	
-	Ritchey WCS APEX 88		20 spokes	

ROLF PRIMA

-	Vigor		14 spokes
-	Echelon		16 spokes
-	Carbon TdF 38		14 spokes
-	Carbon TdF 58		12 spokes
-	Ares 4 (Reynolds Forty-Six)		16/20 spokes
-	TdF85	85mm rim	12 spokes
-	TdF60SL	60mm rim	12 spokes
-	Vigor Alpha	35mm rim	14 spokes
-	TdF60	60mm rim	16 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	35mm rim	16 spokes	
-	WH-7900-C50-CL	50mm rim	16/20 spokes	
-	WH-7900-C50-TU	50mm rim	16/20 spokes	
-	WH-9000-C35-CL	35mm rim	16 spokes	
-	WH-9000-C35-TU	35mm rim	16 spokes	
-	WH-9000-C50-CL	50mm rim	16 spokes	
-	WH-9000-C50-TU	50mm rim	16 spokes	
-	WH-9000-C75-TU	75mm rim	16 spokes	
-	WH-R501-30		20/24 spokes	
-	WH-RS20-A		16 spokes	
-	WH-RS21-CL	25mm rim	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	
-	PRO RC50 2X2 T Weave	50mm rim	18 spokes	

SOUL BIKES PTE. LTD.

-	SOUL C5.0T	50-51mm rim	18/24 spokes
-	SOUL C6.0T	60-62mm rim	18/24 spokes

SPECIALIZED BICYCLE COMPONENTS INC.

-	Roval AL35	35mm rim	20 spokes
-	Roval Rapide SL45	47mm rim	20 spokes
-	Roval Rapide CLX40	40mm rim	18 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	33mm rim	20/24 spokes	
-	C55A	55mm rim	20/24 spokes	
-	T55	55mm rim	20/24 spokes	

TOPOLINO

-	Revelation		24 spokes	

TREK

-	Bontrager Aeolus 3 CX	35mm rim	18 spokes	
-	Bontrager Aeolus 3 Tubular	35mm rim	18 spokes	
-	Bontrager Aeolus 9.0 (XXX-lite Aero 90)		16 spokes	
-	Bontrager Aeolus 9 D3	90mm rim	18 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
-	Bontrager Aeolus 7 D3		18 spokes	
-	Bontrager 2012 Aeolus D3 Extreme Condition		18 spokes	

TUFO

-	Cyclone Energy		20 spokes	

TWO WHEELS ENTREPRISES

-	Carbon Pro	50mm rim	20 spokes	

URSUS

-	Miura C58	58mm rim	20/24 spokes	
-	MIURA T45	45mm rim	20/24 spokes	
-	MIURA TS58	58mm rim	20/24 spokes	
-	MIURA TS90	90mm rim	20/24 spokes	
-	MIURA CB38	38mm rim	20/24 spokes	
-	MIURA T47	50mm rim	20/24 spokes	

VUELTA

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

VZAN

-	Futura		20 spokes	
-	Concept Road		20 spokes	

WISHBONE ENTREPRISE CO., LTD.

-	T100	100mm rim	20 spokes	
-	ELITE 50T	50mm rim	20 spokes	
-	ELITE 38T	38mm rim	20 spokes	
-	ELITE 38A / ATTACK 38A	38mm rim	20 spokes	

XERO

-	XR-1F		16 spokes	

XRD EXTREME RACING DESIGN

-	CC60	60mm rim	20 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		
-	FlashPoint 80	Zipp 520 rim		
-	Zipp 101 wheelset	30mm rim	18/20 spokes	
-	Zipp 202 tubular wheelset	32mm rim	18/24 spokes	

ZZYZX

-	Race Attack 58 (Detec M58)	58mm rim	20 spokes	
-	Race Attack 38 (Detec U38)	38mm rim	20 spokes	
-	Race Attack 60 (Detec U60)	60mm rim	20 spokes	
-	Race Attack 80 (Detec U80)	80mm rim	20 spokes	

NON-STANDARD WHEELS IN CONFORMITY WITH ARTICLE 1.3.018

1.3.018

Wheels of the bicycle may vary in diameter between 70 cm maximum and 55 cm minimum, including the tyre. For the cyclo-cross bicycle the width of the tyre shall not exceed 33 mm and it may not incorporate any form of spike or stud.

For mass start competitions in the disciplines road and cyclo-cross, only wheel designs granted prior approval by the UCI may be used. Wheels shall have at least 12 spokes; spokes can be round, flattened or oval, as far as no dimension of their sections exceeds 10 mm. In order to be granted approval wheels must have passed a rupture test as prescribed by the UCI in a laboratory approved by the UCI. The test results must show that the rupture characteristics obtained are compatible with those resulting from an impact sustained during normal use of the wheel. The following criteria must be fulfilled:

- On impact, no element of the wheel may become detached and be expelled outwards.
- The rupture must not present any shattered or broken off elements, or any sharp or serrated surfaces that could harm the user, other riders and/or third parties.
- The rupture characteristics must not cause the hub to become separated from the rim in such a way that the wheel becomes detached from the forks.

Without prejudice to the tests imposed by the laws, regulations or customs, standard (traditional) wheels 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.