

## 2022 NS-BIKES WHEELBUILDING INFO

What spoke lengths do I need to use with NS hubs / rims?

Please look up the hub / rim that you are interested in. You will find all the info for spoke calculators.

One of them that you can use is on [www.dtswiss.com](http://www.dtswiss.com)

### RIMS

RIM MODEL	Diameter / ERD [mm]	OFFSET* [mm]
2022-2017 Enigma Rock 29" & Roll 29"	592	0
2022-2017 Enigma Rock 27.5" & Roll 27.5"	554	0
2022-2017 Enigma Roll 26"	529	0
Fundamental 26"	542	2
2017-2015 Enigma 27.5"	554	0
2016 Enigma Lite 27.5"	554	0
2015 Enigma Lite 27.5"	560	0
2014-2016 Enigma 26"	529	0
Trailmaster 2 / 1 26"	542	2
Trailmaster 2 / 1 24"	490	2
Fundamental 27.5"	567	2
Fundamental 26"	542	2
Fudnamental 24"	490	2

\* Asymmetrical spoke drilling - offset from the center of the rim. No significant influence while calculating the correct spoke length

all NS rims are designed for standard 3 cross lacing

All 2022-2017 NS Bikes rims are available in 32 spokes only

### HUBS

HUB MODEL	P.C.D LEFT [mm]	P.C.D RIGHT [mm]	LEFT-CENTER [mm]	RIGHT-CENTER [mm]	O.L.D [mm]
2022-2018 Rotary 15	58	51	22	34	100
2022-2018 Rotary Boost 15	58	51	27	41	110
2022-2018 Rotary 20	58	51	22	34	110
2022-2018 Rotary Boost 20	58	58	27	37	110
2022-2018 Rotary Cassette 142x12/135x12	58	58	35	21	142/135
2022-2018 Rotary Cassette Boost 148x12	58	58	37	22	148
2022-2018 Rotary Cassette 157x12/150x12	58	58	42	28	157/150
2022-2018 Rotary Single	58	58	34	37	135
2022-2020 Rotary Freecoaster	58	58	34	36	135
2017 Rotary Boost 15x110 disk	58	49	27	40	110
2017-2011 Rotary 20x100 disk / 15x100 disk	58	49	22	34	110
2017-2011 Rotary Cassette 135x10, 142x12/135x12	58	49/58*	34	21	142/135
2017 Rotary Boost Cassette 148x12	58	58	37	23	148
2017-2014 Rotary Cassette 157x12/150x12	58	49	41	29	157/150
2017-2011 Rotary Single	58	49	34	38	135
2016-2011 Rotary Single Pro	58	51	31	38	135
2016-2011 Rotary 10	38	38	31	31	100
2016-2011 Rotary 20	47	47	34	34	110
2010 Rotary 10	38	38	31	31	100
2010 Rotary 20	47	47	29	29	110
2010 Primary 20	58	49	22	34	110
2010 Primary Cassette	58	49	34	21	135
2010 Primary Single	58	49	34	38	135
2010 Rotary rear	58	58/51*	34	38	135
Roller simple 10	47	47	32	32	100
Roller simple 20	49	49	34	34	110
Roller 20 disk	58	49	22	34	110
Coaster	58	58	34	21	135
Coaster Pro	58	54	34	21	135
Coaster SS	58	58	35	40	135
Coaster SS Pro	58	58	34	38	135

\* pls check your version size

P.C.D: Pitch Circle Diameter [left & right flange size]

LEFT-CENTER / RIGHT-CENTER: distance between the left / right flange and the center of the hub

OLD: Outer Locknut Dimension [overall width of the hub]

spoke holes diameter:  $\varnothing = 2.5\text{mm}$

All 2022-2017 NS Bikes hubs are available in 32 spokes only

**\*2022-2018 hubs are not compatible with pre-2018 hubs spares (older replacement parts fits only NS 2011-2017 hubs)....**