

## Test Report of 90mm Fat Bike Rims

Model: NXT90WD      Model No.: NXT90WD-Q3509  
 Wave: Uni-Directional      Weight: 627g  
 Layer-Up: B1      Test Date: 2015-05-16  
 Selection Mode: Sample of Volume Production

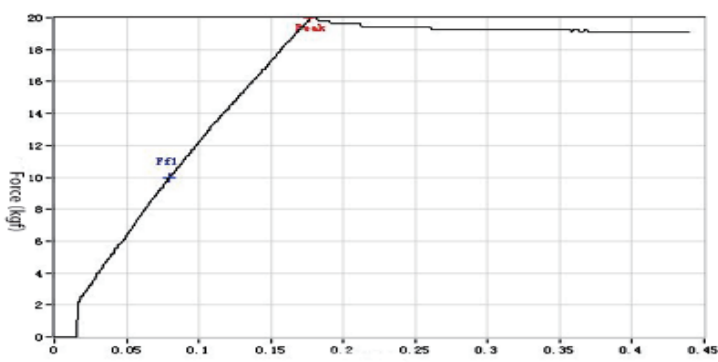
### Test Project & Test Result (Reference JIS-D9421-2009 / EN14766)

1, Test of Lateral Stiffness	Pass
2, Test of Positive Stiffness	Pass
3, Test of Positive Break	Pass
4, Test of Spoke Tension	Pass

#### Part 1,

##### Test of Lateral Stiffness

<b>Test No.</b>	NXT90WD-Q3509	<b>Test Project</b>	Positive Stiffness
<b>Item</b>	NXT90WD	<b>Layer-Up</b>	B1
<b>Test Date.</b>	2015/05/16	<b>Material</b>	Full Carbon Fiber
<b>Test Force</b>	40kg	<b>Wave</b>	Uni-Directional
<b>Weight</b>	627g	<b>Maximal Load Stretching (%)</b>	1.65

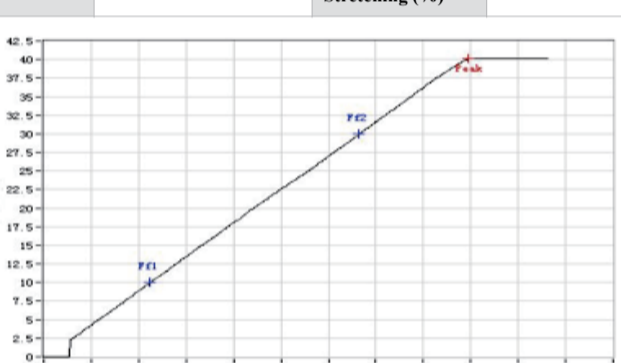


No.	Maximal Force (kgf)	Maximal Load Stretching (%)	Absorption Energy (kgf·mm)	Breaking Force (kPa)	Duration (mm)	Maximal Displacement (mm)	Force of Fixed Point (kgf)
1	455.22	30.61	8019.28	55064.08	3.22	30.63	10.00
Test Spec.	√	JIS-D9421-2009	Addendum		Test Graph		
Test Result	√	Qualified	Remark		—		

#### Part 2,

##### Test of Positive Stiffness

<b>Test No.</b>	NXT90WD-Q3509	<b>Test Project</b>	Positive Stiffness
<b>Item</b>	NXT90WD	<b>Layer-Up</b>	B1
<b>Test Date.</b>	2015/05/16	<b>Material</b>	Full Carbon Fiber
<b>Test Force</b>	40kg	<b>Wave</b>	Uni-Directional
<b>Weight</b>	627g	<b>Maximal Load Stretching (%)</b>	2.13

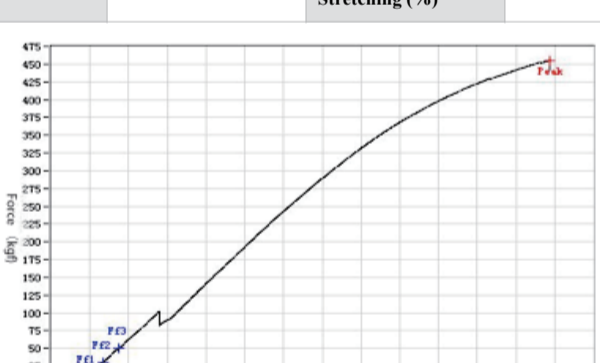


No.	Maximal Force (kgf)	Maximal Load Stretching (%)	Absorption Energy (kgf·mm)	Breaking Force (kPa)	Duration (mm)	Maximal Displacement (mm)	Force of Fixed Point (kgf)
1	40.14	2.13	44.76	5011.95	0.27	2.13	10.00
Test Spec.	√	JIS-D9421-2009	Addendum		Test Graph		
Test Result	√	Qualified	Remark		—		

#### Part 3,

##### Test of Positive Break

<b>Test No.</b>	NXT90WD-Q3509	<b>Test Project</b>	Positive Stiffness
<b>Item</b>	NXT90WD	<b>Layer-Up</b>	B1
<b>Test Date.</b>	2015/05/16	<b>Material</b>	Full Carbon Fiber
<b>Test Force</b>	455kg	<b>Wave</b>	Uni-Directional
<b>Weight</b>	627g	<b>Maximal Load Stretching (%)</b>	30.61

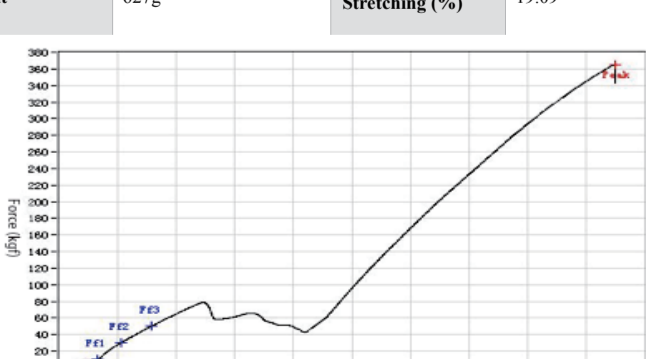


No.	Maximal Force (kgf)	Maximal Load Stretching (%)	Absorption Energy (kgf·mm)	Breaking Force (kPa)	Duration (mm)	Maximal Displacement (mm)	Force of Fixed Point (kgf)
1	455.22	30.61	8019.28	55064.08	3.22	30.63	10.00
Test Spec.	√	JIS-D9421-2009	Addendum		Test Graph		
Test Result	√	Qualified	Remark		—		

#### Part 4,

##### Test of Spoke Tension

<b>Test No.</b>	NXT90WD-Q3509	<b>Test Project</b>	Positive Stiffness
<b>Item</b>	NXT90WD	<b>Layer-Up</b>	B1
<b>Test Date.</b>	2015/05/16	<b>Material</b>	Full Carbon Fiber
<b>Test Force</b>	365kg	<b>Wave</b>	Uni-Directional
<b>Weight</b>	627g	<b>Maximal Load Stretching (%)</b>	19.09



No.	Maximal Force (kgf)	Maximal Load Stretching (%)	Absorption Energy (kgf·mm)	Breaking Force (kPa)	Duration (mm)	Maximal Displacement (mm)	Force of Fixed Point (kgf)
1	455.22	30.61	8019.28	55064.08	3.22	30.63	10.00
Test Spec.	√	JIS-D9421-2009	Addendum		Test Graph		
Test Result	√	Qualified	Remark		—		