

BASALTWHEELS rim test report

Model: C38 Clincher width 25 mm PERFORM and RACE

Weave: 3K+basalt

Weight: 470g

Rims serial number: RX38S3KY24B1087

Layup: B1

Date: 2017.07.29

Test and result (standard:JIS-D9421-1997/ EN14766)

1.positive stiffness test: OK

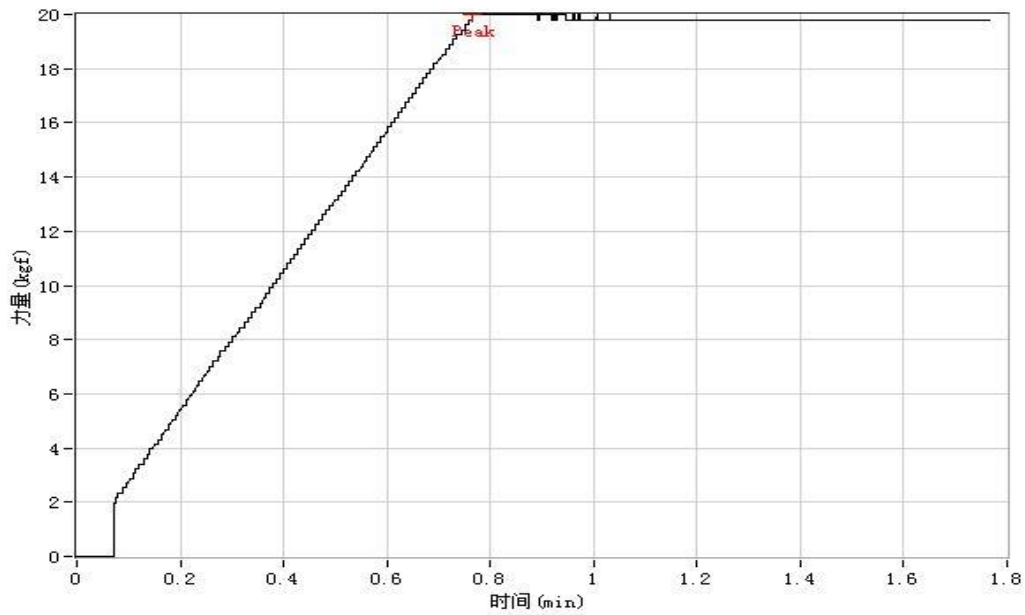
2.lateral stiffness test: OK

3.positive damage test: OK

4.spoke tension test: OK

Lateral Stiffness Test

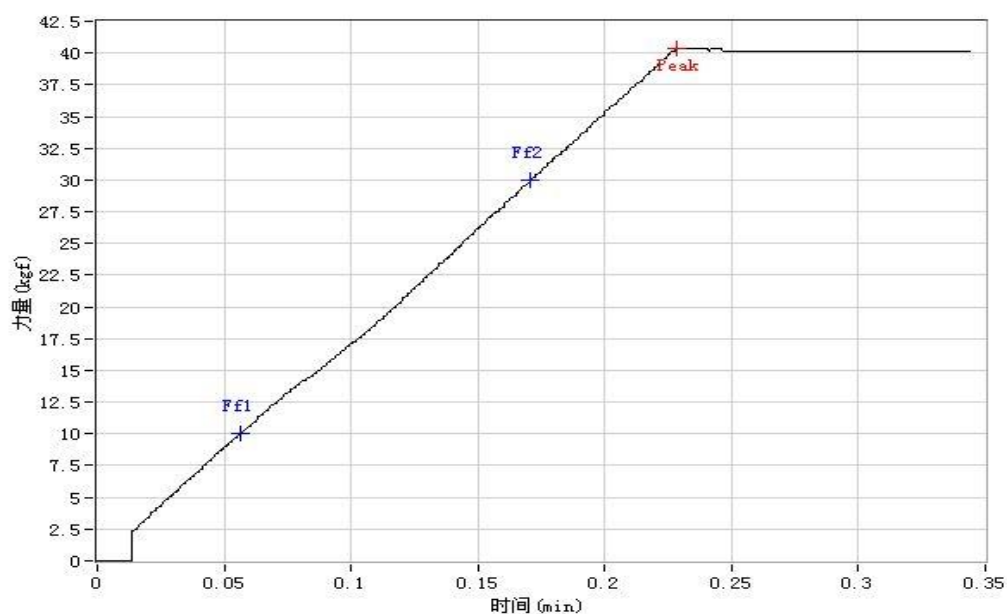
Rim SN:	RX38S3KY24B1087	Test item:	Lateral stiffness test
Rim type:	38mm clincher	Layer-up:	B1
Date:	2017.07.29	Material:	FULL CARBON
Rim Weight:	470g	Weave:	3K
Test tension (kgf)	Endurance time	Offset	
19.98kgf	1.77min	7.06mm	



No.	Max tension (kgf)	Max extension (%)	Absorbed energy (kgf.mm)	Break (kPa)	Test time (min)	Max offset (mm)	
1	19.98	7.02	77.87	2472.26	1.77	7.06	
Reference standard	√	JIS-D9421-1997		Attached list	Test curve table		
Result	√	OK		Remarks			

Positive Stiffness Test

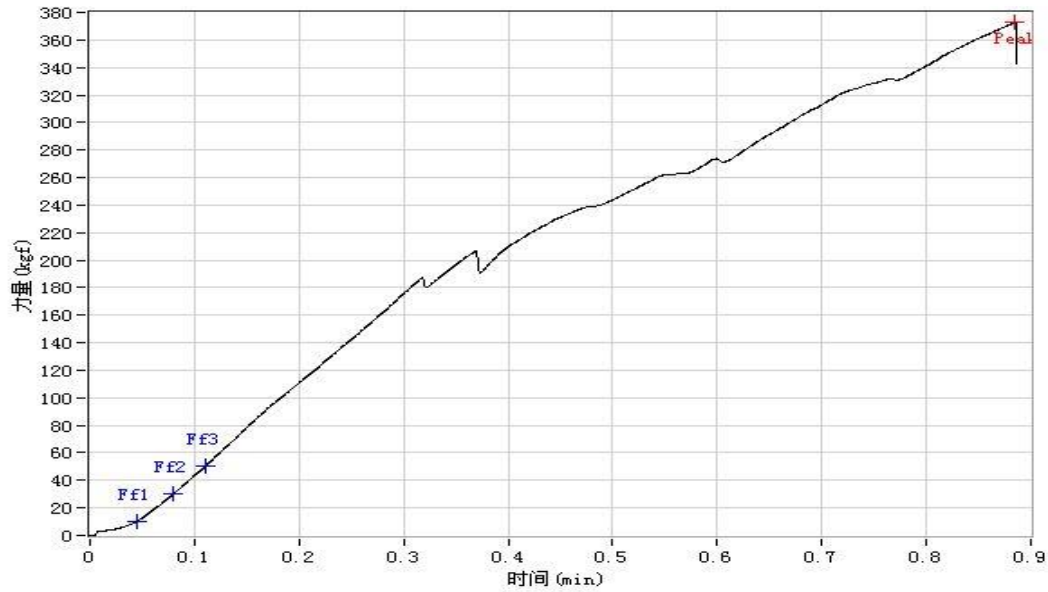
Rim SN:	RX38S3KY24B1087	Test Item:	Positive stiffness test
Rim type:	38mm clincher	Layer-up:	B1
Date:	2017.07.29	Material:	FULL CARBON
Test tension:	40.32kg	Weave:	3K
Rim Weight:	470	Max extension(%):	2.17



No.	Max tension (kgf)	Max extension (%)	Absorbed energy (kgf.mm)	Break strength (kPa)	Test time (min)	Max offset (mm)	
1	40.32	2.17	44.91	5011.95	0.34	2.17	
Reference standard		√	JIS-D9421-1997		Attached list		Test curve table
Result		√	OK		Remarks		
			NG				

Spoke Tension Test

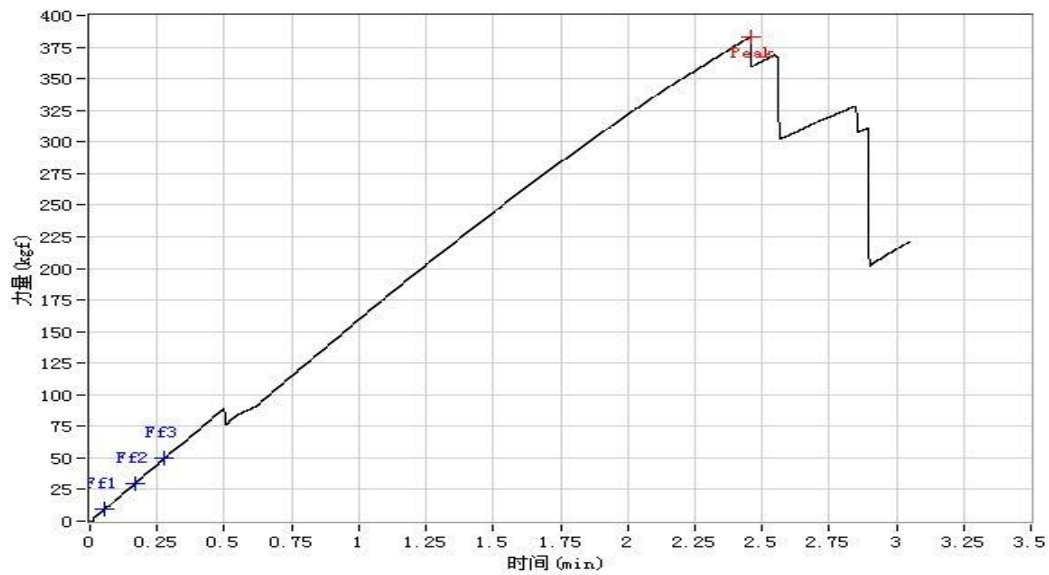
Rim SN:	RX38S3KY24B1087	Test item:	Spoke Tension test
Rim type:	38mm clincher	Layer-up:	B1
Date:	2017.07.29	Material:	FULL CARBON
Test tension:	372.56	Weave:	3k
Rim Weight:	470g	Max extension(%)	8.88



No.	Max tension	Max extension (%)	Absorbed energy (kgf.mm)	Break strength (kPa)	Test time (min)	Max offset (mm)	
1	372.56	8.88	1872.69	42828.6 1	0.89	8.88	
Reference standard		√	JIS-D9421-1997		Attached list		Test curve table
Result		√	OK		Remarks		
			NG				

Positive Damage Test

Rim SN:	RX38S3KY24B1087	Test item:	Positive Damage Test
Rim type:	38mm clincher	Layer-up:	B1
Date:	2014.07.29	Material:	FULL CARBON
Test tension:	383.04	Weave:	3K
Rim Weight:	470g	Max extension(%):	24.69



No.	Max tension (kgf)	Max extension (%)	Absorbed energy (kgf.mm)	Break strength (kPa)	Test time (min)	Max offset (mm)	
1	383.04	24.69	6670.88	27599.46	3.05	30.69	
Reference standard		√	JIS-D9421-1997		Attached list		Test curve table
Result		√	OK		Remarks		
			NG				



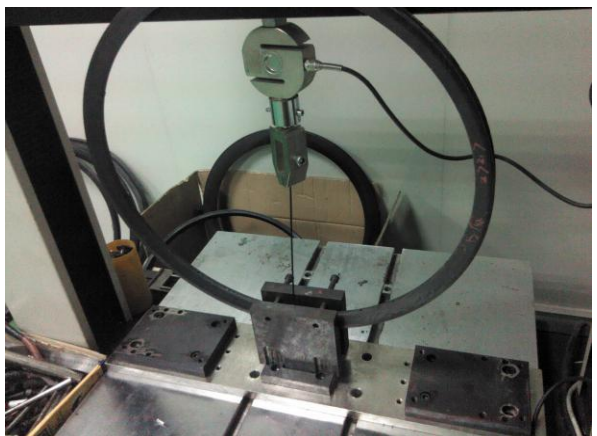
Lateral stiffness test



Positive stiffness test



Positive damage test



Spoke tension test