

WHEEL TEST REPORT

Date : 11/8/2025

Reference No.		PCD Dilling Tool	
Name, brand (type)		Rim Size	18X8.5
Offset (mm)	35	P.C.D.	120.65
Hub Dia.	70.3	Number of bolt	5H
Weight (kg)	11.2	structure	1 Pc Wheel
Material	A356 (AC4C)	Manufacturing Method	Tilting Gravity Casting
Wheel Production Date:	.-07/2025	Ingot Lot No.	

Customer Name:



1. Tire used for test :

Item	Norminal Decsingnation of tire
Dynamic radial fatigue test	265/60R18
Impact test	245/40R18

2. Testing conditions and result : (Load = 727 kg)

(1) Dynamic cornering fatigue test :

Testing equipment approval number : Date of test : Day 20 Month 7 Year 2025

N	Bending moment during test (kN.m)	Number of test revolutions (Cycles)	Appearances concerning damage, etc. of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	3.871	100,000	None	None	OK
F used in calculation of bending moment 8.74 (kN) r = 0.372 (m) d = 0.035 (m) Calculated bending moment value 3.871 (kN.m)					

(2) Dynamic radial fatigue test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day 25 Month 7 Year 2025

Testing equipment approval number : _____				Date of test : _____	Day : 25	Month : 7	Year : 2025	Judgment
N	Air pressure prior to test (kg/cm ²)	Radial load during test (kN)	Number of test revolutions (Cycles)	Appearances concerning damage , etc . of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test			
1	4.6	19.66	500,000	None	None			
F used in calculation of radial load :				8.74	(kN)	Calculated radial load Q = 19.66		OK
						(kN)		

(3) Impact test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day 20 Month 7 Year 2025

N	Air pressure prior to test (Kg / cm ²)	Overall width (mm)	Weight mass (kgs)	Drop Hight (mm)	Impact degree (°)	Impact Position (°)	Damage to disc wheel Air leakage	Judgment
1	2.0	242.0	616.2	230.0	13	0	None	OK
2	2.0	242.0	616.2	230.0	13	150	None	

3. Overall assessment : Qualified : ☒ V Not qualified : ☐

4. Remark : (check with a circle, when applicable)

4.1 Indication site for load indication marks : Inner side : ☒ V Outer Side : ☒ V Rim : ☐ Di4.2 Rust prevention treatment : with 1 Painting ☒ V 2. Sputtering ☐ 3. Plating ☐

4. Anodizing

WHEEL TEST REPORT

Date : 11/8/2025

Reference No.		PCD Dilling Tool	
Name, brand (type)		Rim Size	18X9.0
Offset (mm)	15	P.C.D.	120.65
Hub Dia.	70.3	Number of bolt	5H
Weight (kg)	11.4	structure	1 Pc Wheel
Material	A356 (AC4C)	Manufacturing Method	Tilting Gravity Casting
Wheel Production Date:	.-07/2025	Ingot Lot No.	

Customer Name:



1. Tire used for test :

Item	Norminal Decsingnation of tire
Dynamic radial fatigue test	265/60R18
Impact test	245/40R18

2. Testing conditions and result : (Load = 727 kg)

(1) Dynamic cornering fatigue test :

Testing equipment approval number :

Date of test : Day 22 Month 7 Year 2025

N	Bending moment during test (kN.m)	Number of test revolutions (Cycles)	Appearances concerning damage, etc. of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	3.609	100,000	None	None	OK
F used in calculation of bending moment 8.74 (kN) r = 0.372 (m) d = 0.015 (m)					
Calculated bending moment value 3.609 (kN.m)					

(2) Dynamic radial fatigue test : (Load = 727 kg)

Testing equipment approval number :

Date of test : Day 10 Month 8 Year 2025

Testing equipment approval number:			Date of test: Day: 13 Month: 5 Year: 2020		Judgment	
N	Air pressure prior to test (kg/cm ²)	Radial load during test (kN)	Number of test revolutions (Cycles)	Appearances concerning damage , etc . of disc wheel after test		Appearances concerning looseness in attached section , etc, of disc wheel after test
1	4.6	19.66	500,000	None		None
F used in calculation of radial load :				8.74 (kN)	Calculated radial load Q = 19.66 (kN)	OK

(3) Impact test : (Load = 727 kg)

Testing equipment approval number :

Date of test : Day 22 Month 7 Year 2025

N	Air pressure prior to test (Kg / cm ²)	Overall width (mm)	Weight mass (kgs)	Drop Hight (mm)	Impact degree (°)	Impact Position (°)	Damage to disc wheel Air leakage	Judgment
1	2.0	255.0	616.2	230.0	13	0	None	OK
2	2.0	255.0	616.2	230.0	13	150	None	

3. Overall assessment : Qualified : ☒ V Not qualified : ☐

4. Remark : (check with a circle, when applicable)

4.1 Indication site for load indication marks : Inner side : ☒ V Outer Side : ☒ V Rim : ☐ Di4.2 Rust prevention treatment : with 1 Painting ☒ V 2. Sputtering ☐ 3. Plating ☐

4. Anodizing

WHEEL TEST REPORT

Date : 11/8/2025

Reference No.		PCD Dilling Tool	
Name, brand (type)		Rim Size	18X9.5
Offset (mm)	35	P.C.D.	120.65
Hub Dia.	70.3	Number of bolt	5H
Weight (kg)	11.6	structure	1 Pc Wheel
Material	A356 (AC4C)	Manufacturing Method	Tilting Gravity Casting
Wheel Production Date:	.-07/2025	Ingot Lot No.	

Customer Name:



1. Tire used for test :

Item	Norminal Decsingnation of tire
Dynamic radial fatigue test	285/60R18
Impact test	235/40R18

2. Testing conditions and result : (Load = 727 kg)

(1) Dynamic cornering fatigue test :

Testing equipment approval number : Date of test : Day 25 Month 7 Year 2025

N	Bending moment during test (kN.m)	Number of test revolutions (Cycles)	Appearances concerning damage, etc. of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	3.761	100,000	None	None	OK
F used in calculation of bending moment 8.74 (kN) r = 0.360 (m) d = 0.035 (m)					
Calculated bending moment value 3.761 (kN.m)					

(2) Dynamic radial fatigue test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day 30 Month 7 Year 2025

N	Air pressure prior to test (kg/cm ²)	Radial load during test (kN)	Number of test revolutions (Cycles)	Appearances concerning damage , etc . of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	4.6	19.66	500,000	None	None	OK
F used in calculation of radial load : 8.74 (kN) Calculated radial load Q = 19.66 (kN)						

(3) Impact test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day 26 Month 7 Year 2025

N	Air pressure prior to test (Kg / cm ²)	Overall width (mm)	Weight mass (kgs)	Drop Hight (mm)	Impact degree (°)	Impact Position (°)	Damage to disc wheel Air leakage	Judgment
1	2.0	268.0	616.2	230.0	13	0	None	OK
2	2.0	268.0	616.2	230.0	13	150	None	

3. Overall assessment : Qualified : ☒ V Not qualified : ☐

4. Remark : (check with a circle, when applicable)

4.1 Indication site for load indication marks : Inner side : ☒ V Outer Side : ☒ V Rim : ☐ D4.2 Rust prevention treatment : with 1 Painting ☒ V 2. Sputtering ☐ 3. Plating ☐

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WHEEL TEST REPORT

Date : 11/8/2025

Reference No.		PCD Drilling Tool	
Name, brand (type)		Rim Size	18X11.0
Offset (mm)	54	P.C.D.	120.65
Hub Dia.	70.3	Number of bolt	5H
Weight (kg)	11.8	structure	1 Pc Wheel
Material	A356 (AC4C)	Manufacturing Method	Tilting Gravity Casting
Wheel Production Date:	.-07/2025	Ingot Lot No.	

Customer Name:



1. Tire used for test :

Item	Norminal Decsingnation of tire
Dynamic radial fatigue test	295/60R18
Impact test	295/35R18

2. Testing conditions and result : (Load = 727 kg)

(1) Dynamic cornering fatigue test :

Testing equipment approval number : Date of test : Day 20 Month 7 Year 2025

N	Bending moment during test (kN.m)	Number of test revolutions (Cycles)	Appearances concerning damage, etc. of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	Judgment
1	4.120	100,000	None	None	OK
F used in calculation of bending moment 8.74 (kN) r = 0.372 (m) d = 0.054 (m)					
Calculated bending moment value 4.120 (kN.m)					

(2) Dynamic radial fatigue test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day 23 Month 7 Year 2025

Testing equipment approval number : _____				Date of test : Day: 20 Month: 7 Year: 2020		Judgment
N	Air pressure prior to test (kg/cm ²)	Radial load during test (kN)	Number of test revolutions (Cycles)	Appearances concerning damage , etc . of disc wheel after test	Appearances concerning looseness in attached section , etc, of disc wheel after test	
1	4.6	19.66	500,000	None	None	
F used in calculation of radial load :				8.74 (kN)	Calculated radial load Q = 19.66 (kN)	OK

(3) Impact test : (Load = 727 kg)

Testing equipment approval number : Date of test : Day 24 Month 7 Year 2025

N	Air pressure prior to test (Kg / cm ²)	Overall width (mm)	Weight mass (kgs)	Drop Hight (mm)	Impact degree (°)	Impact Position (°)	Damage to disc wheel Air leakage	Judgment
1	2.0	305.0	616.2	230.0	13	0	None	OK
2	2.0	305.0	616.2	230.0	13	150	None	

3. Overall assessment : Qualified : ☒ V Not qualified : ☐

4. Remark : (check with a circle, when applicable)

4.1 Indication site for load indication marks : Inner side : ☒ V Outer Side : ☒ V Rim : ☐ Di: ☐4.2 Rust prevention treatment : with 1 Painting ☒ V 2. Sputtering ☐ 3. Plating ☐

4. Anodizing