

GYRO

GYROWHEELS.COM

2010

01.

CAD Modeling

02.

Deduction of boundary condition

Examination of Load and condition when skating

03.

Nonlinear analysis and nonlinear material modeling

- Analysis of Rubber and Polymer material

04.

Dynamics analysis of professional inline skate

- Complicated tangency reproduction

- Analysis Weak Point And Deduction Of Strong Point

- Design sensitivity analysis

05.

The optimum design for lightweight products

- Design variable Examination

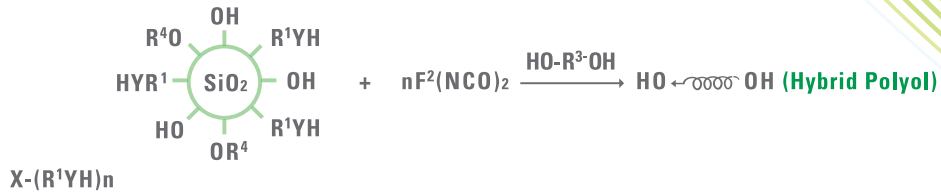
- CAE Optimization

- EAS manufacture and verification

Molecular Design of Urethane Hybrid Resin

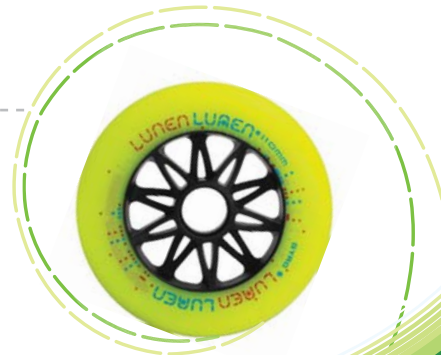
Reactive Organic/inorganic Hybrid

Method for one-liquid type curable polyurethane hybrid resin composition with excellent wear-resisting (PATENT NO. 10-0879979-0000)



High functional polyurethane resin

Polyurethane resin composition for high functional in-line skate wheels (PATENT NO. 10-0617496-0000)





INFINITE PASSION & FEVER



2010

GYRO WHEELS

SLALOM WHEELS

CRAZY BALL

ALICE

SIREN

ECLIPSE

SONIC

SONYA

F2R

SLALOM

TITAN

RACING WHEELS

R O A D

ORBITRON

VALKYRIE

T R A C K

MILD MARBLE

I N - D O O R

LUMEN

SLALOM WHEELS **CRAZYBALL**



SIZE	80mm	76mm	72mm
HUB	43mm (Twister Hub)		
BEARING CORE	608(Standard)		
SPACER	10.25±0.03mm		
THICKNESS	24mm		
RECOMMENDED SURFACE	Road, Smooth cement		

COLOR : Bright Yellow
 HARDNESS : 85A
 HUB COLOR : Red, White

SLALOM WHEELS **ALICE**



SIZE	80mm	76mm	72mm
HUB	43mm (Twister Hub)		
BEARING CORE	608(Standard)		
SPACER	10.25±0.03mm		
THICKNESS	24mm		
RECOMMENDED SURFACE	Road, Asphalt		

COLOR : Bright Orange, Bright Green
 HARDNESS : 84A
 HUB COLOR : Ivory

SLALOM WHEELS SIREN

SIZE	80mm	76mm	72mm
HUB	43mm (Twister Hub)		
BEARING CORE	608(Standard)		
SPACER	10.25±0.03mm		
THICKNESS	24mm		
RECOMMENDED SURFACE	Hardwood floor, Smooth cement		

COLOR : White
 HARDNESS : 84A
 HUB COLOR : Ivory



SLALOM WHEELS ECLIPSE

SIZE	80mm	76mm	72mm
HUB	43mm (Twister Hub)		
BEARING CORE	608(Standard)		
SPACER	10.25±0.03mm		
THICKNESS	24mm		
RECOMMENDED SURFACE	Smooth cement, Hardwood floor		

COLOR : Blue Pearl, Pink Pearl
 HARDNESS : 83A
 HUB COLOR : Ivory



SLALOM WHEELS **SONIC, SONYA**



SIZE	80mm	76mm	72mm
HUB	43mm (Solid Hub)		
BEARING CORE	608(Standard)		
SPACER	10,25±0,03mm		
THICKNESS	24mm		
RECOMMENDED SURFACE	Hardwood floor, Smooth cement		

COLOR : Green, Violet
 HARDNESS : 86A
 HUB COLOR : Dark Gray

SLALOM WHEELS **F2R**



SIZE	80mm	76mm	72mm
HUB	40mm (Basic Hub)		
BEARING CORE	608(Standard)		
SPACER	10.25±0.03mm		
THICKNESS	24mm		
RECOMMENDED SURFACE	Asphalt		

COLOR : Red, Black
 HARDNESS : 85A
 HUB COLOR : Black

SLALOM WHEELS **SLALOM**

SIZE	80mm	76mm	72mm
HUB	40mm (Basic Hub)		
BEARING CORE	608(Standard)		
SPACER	10.25±0.03mm		
THICKNESS	24mm		
RECOMMENDED SURFACE	Road, Smooth cement		

COLOR : Bright Pink, Bright Yellow
 HARDNESS : 83A
 HUB COLOR : Ivory



SLALOM WHEELS **TITAN**

SIZE	80mm	76mm	72mm
HUB	40mm (Basic Hub)		
BEARING CORE	608(Standard)		
SPACER	10.25±0.03mm		
THICKNESS	24mm		
RECOMMENDED SURFACE	Smooth cement, Hardwood floor		

COLOR : Gold, Silver
 HARDNESS : 83A
 HUB COLOR : Black





COLOR : Bright Yellow
HARDNESS : 87A



COLOR : Bright Green
HARDNESS : 85A



COLOR : Bright Orange
HARDNESS : 83A



Orbitron is made from Nano organic-inorganic hybrid resin. As the results, it has great elasticity and durability. For the use of Road.

SIZE	110mm	105mm	100mm	90mm
HUB	70mm	66mm	60mm	49mm
BEARING CORE	608(Standard)			
SPACER	10.25±0.03mm			
THICKNESS	24mm			
RECOMMENDED SURFACE	Road Track, Asphalt			



COLOR : Black
HARDNESS : 87A



COLOR : Red
HARDNESS : 85A



COLOR : Yellow
HARDNESS : 83A



Valkyrie hub spoke part is lengthways designed. It is light and has good roll. For the wide use of Road.

SIZE	110mm	100mm	90mm	84mm
HUB	76mm	66mm	56mm	46mm
BEARING CORE	608(Standard)			
SPACER	10.25±0.03mm			
THICKNESS	24mm			
RECOMMENDED SURFACE	Asphalt, Marathon			

TRACK WHEELS > MILD MARBLE



COLOR : Light Violet
HARDNESS : 86A



COLOR : Light Blue
HARDNESS : 84A



COLOR : Light Pink
HARDNESS : 82A



For excellent grip, Mild Marble is made from organic-inorganic hybrid urethane resin and compound material of hub. For the use of Track.

SIZE	110mm	105mm	100mm	90mm
HUB	70mm	66mm	60mm	49mm
BEARING CORE	608(Standard)			
SPACER	10.25±0.03mm			
THICKNESS	24mm			
RECOMMENDED SURFACE	Smooth Cement, Urethane, Bank Track			

IN-DOOR WHEELS > LUMEN



COLOR : Bright Yellow
HARDNESS : 92A



COLOR : Bright Orange
HARDNESS : 90A

LUMEN

Although Lumen is hardest, it has best grip. For the use of In-door (Hard wood and Titanium hard wood)

SIZE	110mm	105mm	100mm	90mm
HUB	70mm	66mm	60mm	49mm
BEARING CORE	608(Standard)			
SPACER	10.25±0.03mm			
THICKNESS	24mm			
RECOMMENDED SURFACE	Hardwood / Indoor Track			

2010

GYRO SKATES & FRAMES

SKATES

RACING SKATES

FRAMES

RACING FRAMES

SLALOM FRAMES

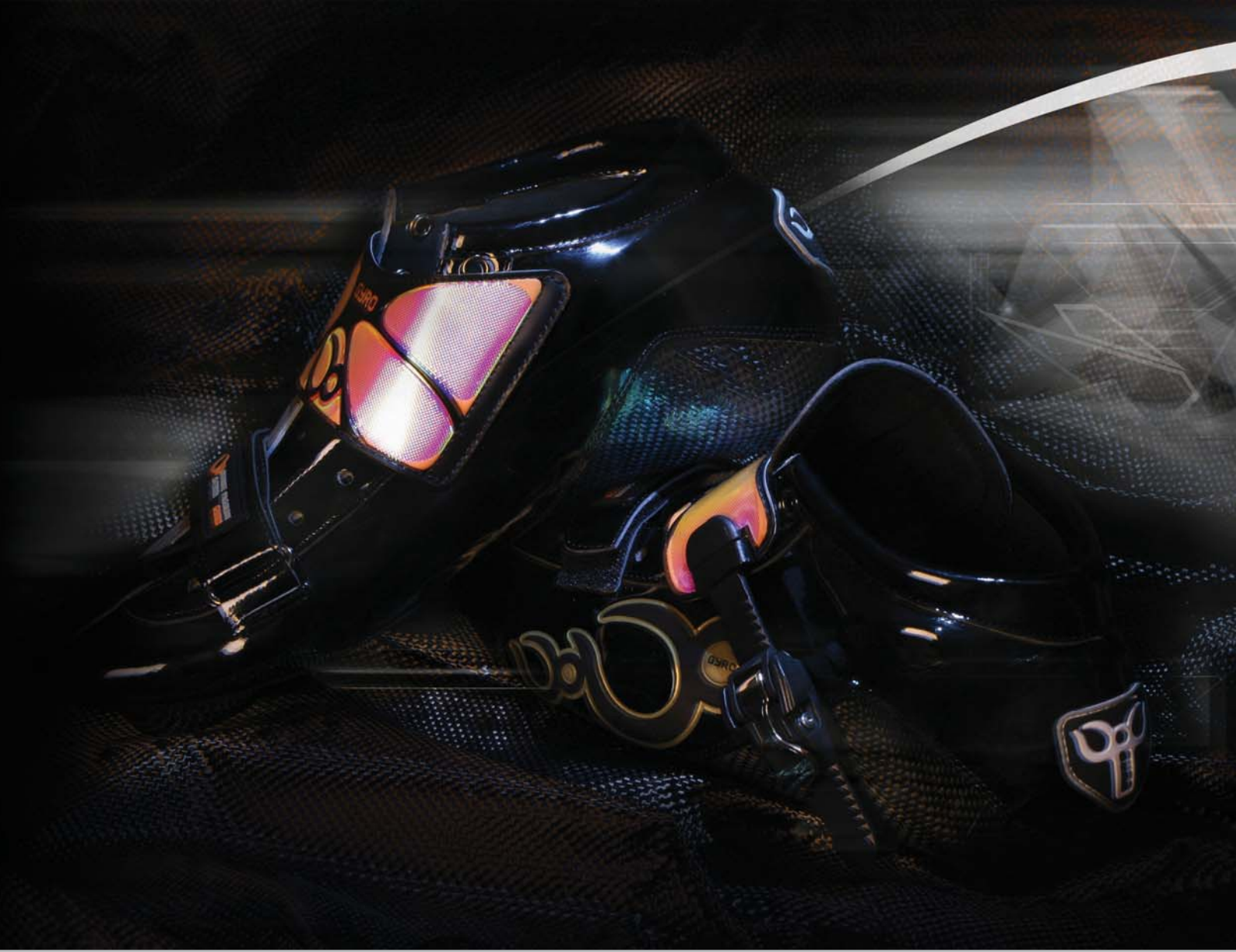
ACCESSORIES

SBB BEARINGS

SKIN-SUITS

T-SHIRTS

INFINITE PASSION & FEVER





Korea Footwear Industrial Promotion Center and Gyro Co.
LTD's joint development for Gyro Boots



Carbon Fiber (Heat Mouldable)
 Color :White /Black /Red

Size :165mm Mount
C M : 20cm - 23.5cm By 0.5
U S : 1 - 4.5 By 0.5
EUR : 31 - 36 By 1

Size :195mm Mount
C M : 24cm - 29.5cm By 0.5
U S : 5 - 12 By 0.5
EUR : 37 - 46 By 1

Holes : 195 Mount (Front 7 / Back 7)
 165 Mount (Front 5 / Back 5)

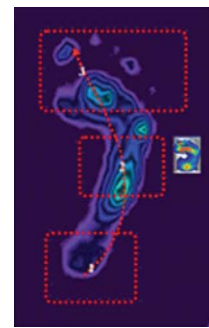
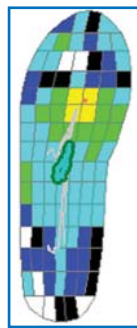
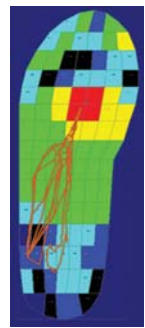
Frames : (AL 7003 T6)
 Color :White/Black/Red
 Size : 4x110mm/4x100mm/4x90mm/4x84mm

Wheels : (GYRO Valkyrie)
 Color :White/Black/Red
 Size : 110mm/100mm/90mm/84mm

Bearings :SBB Bearing GRADE 5



Performance Analysis under movement time Test
 Performance Analysis under Plantar Foot Pressure Test





GYRO **FRAMES**



Configuration : MAX. 4×110mm
Material : AL 7003 T6
Length : 336mm(13.2inch)
Mount : 195 mm
Weight : 225g
Color : Titanium PLASMA coating



Configuration : MAX. 4×100mm
Material : AL 7003 T6
Length : 330mm(12.9inch)
Mount : 195 mm
Weight : 220g
Color : Titanium PLASMA coating





Configuration : MAX. 4x80mm
Material : AL 7003 T6
Length : 243mm(9.5inch)
Weight : 236g
Color : Titanium PLASMA coating



Configuration : MAX. 4x76mm
Material : AL 7003 T6
Length : 238mm(9.3inch)
Weight : 213g
Color : Titanium PLASMA coating

Configuration : MAX. 4×80mm
Material : AL 7003 T6
Length : 243mm(9.5inch)
Weight : 200g
Color : Anodizing Red

Made in Korea



Configuration : MAX. 4×76mm
Material : AL 7003 T6
Length : 238mm(9.3inch)
Weight : 197g
Color : Anodizing Red



Configuration : MAX. 4×80mm
Material : AL 7003 T6
Length : 243mm(9.5inch)
Weight : 200g
Color : Anodizing Blue



Configuration : MAX. 4×76mm
Material : AL 7003 T6
Length : 238mm(9.3inch)
Weight : 197g
Color : Anodizing Blue



608 BEARINGS

1



GRADE 1

Ball : Silicon nitride Black
Retainer : Nylon 66

GRADE 3

Ball : Zirconia White
Retainer : Nylon 66

BEARING OIL

4



GRADE 5

Ball : SUS440C
Retainer : Nylon 66

SPACERS

5



608 SPACER (10.25mm)
688 SPACER (14.30mm)

688 BEARINGS

3



GRADE 1

Ball : Silicon nitride Black
Retainer : Nylon 66

GRADE 3

Ball : Zirconia White
Retainer : Nylon 66

GRADE 5

Ball : SUS440C
Retainer : Nylon 66

DRAGON



CRAZYBALL



RED SPYDER



CHAMP II



STRIPE RED



Model : Gyro stripe(red/blue),
Drangon, Champ, Sprint,
Red spyder, Crazyball

Size : S / M / L / XL / XXL

Type : Long sleeve suit, Short sleeve suit,
Winter Jacket, Jersey, Pants



GYRO CO.LTD

Web : www.gyrowheels.com

TEL : +82 51 265 9456 FAX : +82 51 265 9457

Acemill Rm208, 1146 Janglimdong Sahagu Busan Korea 604-841