Ver. 3.0

Sugino

SPIRIT of JAPAN

TRACK RACING

Ver. 3.0

TRACK RACING Ver. 3.0

BRAND STORY

Sugino has over a century of experience as a bicycle parts maker focusing on high-end parts.
Because of its reliable quality, Sugino also produces OEM parts for well-known complete bicycle makers.
Especially, its drive-train parts are chosen by many athletes in various competitions, such as Tour de France, Giro d'Italia, World Championship, Olympics, etc. and contribute their winnings.
Thus, with the know-how accumulated through its long experience, Sugino can offer higher-quality parts.

SUGINO ENGINEERING CORPORATION
https:// www.suginoltd.co.jp
Sep. 2017 Sugino Printed in Japan

P.C.D.144mm for TRACK

IDS 24 / SG 75 TAPER

Sugino



Sugino 75 DIRECT DRIVE

- *Track crank with IDS24 technology comes up from SUGINO75 series, the world-famous crank used by Olympic and World Championship medalists.*
- *With Φ24mm axle.*
- *For P.C.D.144 high-end chainring.*



is smooth and shiny, combines high hardness with low friction coefficient used by many of the top professionals on the track.

can minimize the chain driving resistance and achieve more effective power transmission.

will offer amazing performances at track races wherein the winner is often decided by hundredths of a second.

the friction resistance is less than half that of the titanium coating.



SUPER SG75 DD (S3 Gold)

SUPER SG75 DD

P.C.D.	: 144mm
Axle Type	: IDS24
B.B.	: MB-608 (BSA) SUPER CERAMIC
Chain Line	: 42mm
Chain Size	: 1/2"x1/8"
Teeth	: 46 ~ 55T
Crank Length	: 165 / 170mm
Color	: S3 Gold



MB-608 (BSA) SUPER CERAMIC

Bearing	: Ceramic balls
Axle Type	: IDS24
Cup Thread	: BC1.37x24T
Shell Width	: 68mm

ceramic

High-end, high precision ceramic bearing realizes smooth rotation. Riding on the ceramic bearing gives you lighter pedal strokes and improve your pedal technique. So, it helps you maximize your performance during competitions.



SUPER SG75 144

P.C.D.	: 144mm
Axle Type	: SG75 taper
Chain Line	: 42mm (BB-SG75 series)
Material	: Super hard forged aluminum alloy
Length	: 165 / 167.5 / 170 / 172.5 / 175mm
Color	: S3 Gold



SUPER ZEN144

P.C.D.	: 144mm
Chain Size	: 1/2"x1/8"
Teeth	: 46 ~ 58T
Color	: S3 Gold



SUPER MC144

P.C.D.	: 144mm
Chain Size	: 1/2"x1/8"
Teeth	: 46 ~ 55T
Color	: S3 Gold



GIGAS 12T S3 Gold

Chain Size	: 1/2"x1/8"
Thread	: BC1.37x24T
Material	: Cr-Mo Steel
Color	: S3 Gold

GIGAS Lockring for 12T

Thread	: BC1.29x24T-L
Material	: Cr-Mo Steel



SG75 DD (Silver)

SG75 DD

P.C.D.	: 144mm
Axle Type	: IDS24
B.B.	: MB-608 (BSA) STEEL
Chain Line	: 42mm
Chain Size	: 1/2"x1/8"
Teeth	: 44 ~ 55T
Crank Length	: 165 / 170mm
Color	: Silver / Black



MB-608 (BSA) STEEL

Bearing	: Steel balls
Axle Type	: IDS24
Cup Thread	: BC1.37x24T
Shell Width	: 68mm



SG75 DD (Black)

New! SUPER GIGAS



Platinum



Gold



Silver

SUPER GIGAS Platinum

Chain Size	: 1/2"x1/8"
Teeth	: 13 ~ 17T
Thread	: BC1.37x24T
Material	: GIGAS Alloy
Color	: S3 Platinum

SUPER GIGAS Gold

Chain Size	: 1/2"x1/8"
Teeth	: 13 ~ 17T
Thread	: BC1.37x24T
Material	: GIGAS Alloy
Color	: Gold Anodized

SUPER GIGAS Silver

Chain Size	: 1/2"x1/8"
Teeth	: 13 ~ 17T
Thread	: BC1.37x24T
Material	: GIGAS Alloy
Color	: Silver Anodized



GIGAS Alloy is super rigid & very light. It is super hard light alloy material. The specific strength is more than twice as high as that of heat-treated chromoly steel.

GIGAS Lockring for 13~17T

Thread	: BC1.29x24T-L
Material	: Cr-Mo Steel



Sugino 75

SUGINO75 series is world-famous crank used by Olympic and World Championship medalists.



















SG75 144

P.C.D.	: 144mm
Axle Type	: SG75 taper
Chain Line	: 42mm (BB-SG75 series)
Material	: Super hard forged aluminum alloy
Length	: 165 / 167.5 / 170 / 172.5 / 175mm
Color	: Silver / Black

ZEN144

P.C.D.	: 144mm
Chain Size	: 1/2"x1/8"
Teeth	: 44 ~ 58T
Color	: Silver / Black

SSG144

P.C.D.	: 144mm
Chain Size	: 1/2"x1/8"
Teeth	: 44 ~ 54T
Color	: Silver / Black

MC144

P.C.D.	: 144mm
Chain Size	: 1/2"x1/8"
Teeth	: 44 ~ 55T
Color	: Silver / Black

SUGINO75 CRITERIUM

Crank	: SG75 144 (Black)
Chainring	: PJ144 CRITERIUM
B.B.	: CBB-SG75
Chain Line	: 42mm







PJ144 CRITERIUM

P.C.D.	: 144mm
Chain Size	: 1/2"x1/8"
Teeth	: 42 ~ 45 / 48T
Color	: Black

New! BIG 禅 ZEN — *Extra Big chainring "59-66T" joined to the ZEN series.*





BIG ZEN144

P.C.D.	: 144mm
Chain Size	: 1/2"x1/8"
Teeth	: 59 ~ 66T
Color	: Silver / Black





BB-SG75 series







BB-SG75 SUPER CERAMIC

Bearing	: Ceramic balls
Ball Race	: Super LAP
Axle Type	: SG75 taper
Cup Thread	: BC1.37x24T
Shell Width	: 68mm

Super LAP only for ceramic

BB-SG75 SUPER LAP

Bearing	: Steel balls
Ball Race	: Super LAP
Axle Type	: SG75 taper
Cup Thread	: BC1.37x24T
Shell Width	: 68mm

BB-SG75 Standard

Bearing	: Steel balls
Ball Race	: Standard
Axle Type	: SG75 taper
Cup Thread	: BC1.37x24T
Shell Width	: 68mm



SUPER LAP has super high quality polished ball race, BB Axle and BB Cups.



CBB-SG75

Bearing	: Steel balls
Axle Type	: SG75 taper
Cup Thread	: BC1.37x24T
Shell Width	: 68mm
Cup Material	: Aluminum alloy

SG 75 TAPER

As SUGINO75 series use a proprietary taper, we refer to it as "SG75 taper" instead of ISO taper in order to avoid misunderstandings and troubles.

⚠ Cautions when using Sugino 75 crank

Non-Sugino Bottom Bracket [ISO taper / 109mm]

Bottom Brackets claiming to be "SUGINO75 compatible" are sold on the market. However, we checked it and confirmed that the taper shapes are different. When used together, the crank doesn't fully seat on the BB altering the chainline and the taper hole of the crank is deformed. Thus, the crank will no longer perform its original functions. For SUGINO75 (SG75 144) crank, please be sure to use proprietary BB (SG75 taper).
JIS taper is also not compatible with SG75 taper.

* Damage or repairs due to the use of the BB other than those specified are not covered by the warranty.

SUGINO75 ZEN



SUGINO75 ZEN

Crank : SG75 144 (Silver)
Chainring : ZEN144 (Silver)
B.B. : BB-SG75 Standard / BB-SG75 SUPER LAP
Chain Line : 42mm

SUGINO75 SSG



SUGINO75 SSG

Crank : SG75 144 (Silver)
Chainring : SSG144 (Silver)
B.B. : BB-SG75 Standard / BB-SG75 SUPER LAP
Chain Line : 42mm

CRANKARM



SG75 144

P.C.D. : 144mm
Axle Type : SG75 taper
Chain Line : 42mm (BB-SG75 series)
Material : Super hard forged aluminum alloy
Length : 165 / 167.5 / 170 / 172.5 / 175mm
Color : Silver



SG75 144C

P.C.D. : 144mm
Axle Type : SG75 taper
Chain Line : 42mm (BB-SG75 series)
Material : Super hard forged aluminum alloy
Length : 165 / 167.5 / 170 / 172.5 / 175mm
Color : Silver

CHAINRING



ZEN144

P.C.D. : 144mm
Chain Size : 1/2"x1/8"
Teeth : 44 ~ 55T
Color : Silver



SSG144

P.C.D. : 144mm
Chain Size : 1/2"x1/8"
Teeth : 44 ~ 54T
Color : Silver

Bottom Bracket



BB-SG75 SUPER LAP
BB-SG75 Standard

SUPER LAP has super high quality polished ball race, BB Axle and BB Cups.

Bearing : Steel balls
Axle Type : SG75 taper
Cup Thread : BC1.37x24T
Shell Width : 68mm

*BB-SG75 is intended to be used exclusively in combination with SG75 144 cranks and shall not be used with other cranks.

SPROCKET



GIGAS 12T Black
GIGAS 13~16T S3 Gold

Chain Size : 1/2"x1/8"
Thread : BC1.37x24T
Material 12T : Cr-Mo Steel
Material 13~16T : GIGAS Alloy
Color 12T : Black
Color 13~16T : S3 Gold

S-cubic Super Smooth Surface

GIGAS Lockring

Thread : BC1.29x24T-L
Material : Cr-Mo Steel


for 12T


for 13 ~ 17T

禅 ZEN



The name "SUGINO ZEN" comes from Japanese religion Zen. Just before a race, Japanese racers usually meditate to keep their presence of mind and to maintain their concentration throughout the race. Such meditation is an important part of Zen, and in the hope that a better result will be obtained with our chainring, it has been named so.

P.C.D.130mm for URBAN

JIS TAPER

Mighty Comp. Single

Crank : RD4
Chainring : MC130NC
B.B. : CBBAL-103
Chain Line : 45mm





RD4

P.C.D. : 130mm
Axle Type : JIS taper
Chain Line : 45mm (CBBAL-103)
Material : Hard forged aluminum alloy
Length : 160 / 165 / 167.5 / 170 / 172.5 / 175mm
Color : Silver / Black



MC130NC

P.C.D. : 130mm
Chain Size : 1/2"x1/8"
Teeth : 42 ~ 48T
Color : Silver / Black

CBBAL-103

Axle : 103mm
Axle Type : JIS taper
Cup Thread : BC1.37x24T
Shell Width : 68mm
Cup Material : Aluminum alloy



Cool Messenger

Crank : RD2BX (Black)
Chainring : PJ130RZ
B.B. : CBBAL-103
Chain Line : 45mm



RD2BX Messenger

Crank : RD2BX
Chainring : PJ130 MSGR
B.B. : CBBF-103
Chain Line : 45mm



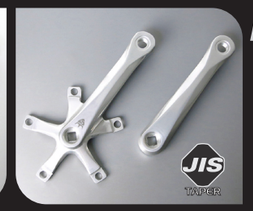
RD2BX TRACK

Crank : RD2BX
Chainring : 130J TRACK
B.B. : CBBF-103
Chain Line : 45mm



Sugino





RD2BX

P.C.D. : 130mm
Axle Type : JIS taper
Chain Line : 45mm (CBBAL/F-103)
Material : Forged aluminum alloy
Length : 165 / 167.5 / 170 / 172.5 / 175mm
Color : Silver / Black





PJ130RZ

P.C.D. : 130mm
Chain Size : 1/2"x1/8"
Teeth : 42 / 44 / 46 / 48T
Color : Black (Reversible)





PJ130 MSGR

P.C.D. : 130mm
Chain Size : 1/2"x1/8"
Teeth : 42 / 44 / 46 / 48T
Color : Silver / Black





130J TRACK

P.C.D. : 130mm
Chain Size : 1/2"x1/8"
Teeth : 44 / 46 / 48 / 49 / 50T
Color : Silver / Black

CBBAL-103

Axle : 103mm
Axle Type : JIS taper
Cup Thread : BC1.37x24T
Shell Width : 68mm
Cup Material : Aluminum alloy



CBBF-103

Axle : 103mm
Axle Type : JIS taper
Cup Thread : BC1.37x24T
Shell Width : 68mm
Cup Material : Steel



New! FIXIE 75





Sprocket

FIXIE 75

Chain Size : 1/2"x1/8"
Teeth : 18 ~ 23T
Color : Dark Blue / Gold

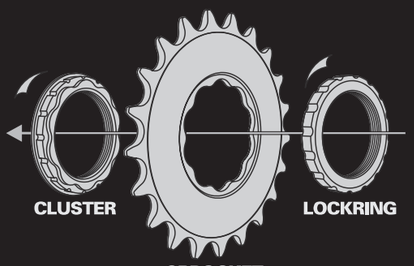
Cluster & Lockring set

FIXIE Cluster

Thread : BC1.37x24T
Material : Cr-Mo Steel

FUMIKIRI Lockring

Thread : BC1.29x24T L
Material : Cr-Mo Steel



The system allows you to change cog sizes easily without the need for a chain whip tool.





For installation and removal, please use an external BB tool which is more practical than a hook wrench.

*See page 10.



FIXIE 75 is an urbane Pist Cog,【CNC precision machined】from【high-grade aluminum alloy】, lightweight and gorgeous appearance featuring FIXIE System for easy installation.





FIXIE COG set

3 sprockets, Cluster and Lockring set

Sprocket

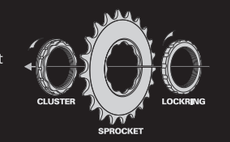
Chain Size : 1/2"x1/8"
Teeth : 16-17-18T set
Color : Silver / Black

Cluster

Thread : BC1.37x24T
Material : Cr-Mo Steel

Lockring

Thread : BC1.29x24T L
Material : Aluminum alloy



The system allows you to change cog sizes easily without the need for a chain whip tool.



For installation and removal, please use an external BB tool which is more practical than a hook wrench.

*See page 10.

Small Parts & Others

Sugino

CHAINRING FIXING BOLTS & NUTS

Model	Material	Color	Bolt	Nut
#401 SUS75	Stainless	SUS	5 Hexagon	Knurled
#402	Steel	CP BCP	5 Hexagon	Normal
#701	Aluminum alloy	Silver Black Blue Red Gold Pink Green	Torx 30	Knurled







#701 Chainring Fixing Bolt

The high-strength aluminum alloy torx bolt is much more durable compared with a standard alloy bolt. It is lightweight, strong and beautifully colored.

BB AXLE BOLTS

Model	Tool	Material	Reference
KPB	8 Hexagon	Cr-Mo Steel	M8 x 1.0
14BK	14 Box		
14CP			
15CP	15 Box		



CRANK DUST CAP

Model	Tool	Material
CNS Alloy Dust Cap	5 Hexagon	Aluminum alloy



The ultra-lightweight alloy cap and axle bolt set for square taper crank. The wide range of colors allows you to choose the most suitable one for your bike.



CRANK EXTRACTOR

Model	Specification
Extractor #202	15 Socket, with handle
Extractor #203B	14 Socket

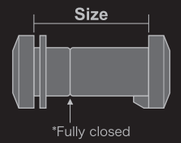
Square taper crank removal tool.



SEATPOST CLAMP BOLT

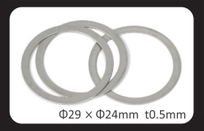
Model	Size	Tool	Material
Seat pin	17mm 19mm 22mm 25mm	5 Hexagon	Cr-Mo Steel (CP finish)

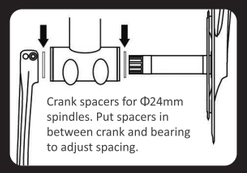




CRANK SPACER

Model
2 piece Crank Adjust Spacer set





Crank spacers for Φ24mm spindles. Put spacers in between crank and bearing to adjust spacing.

LOCKRING

Model	Thread	Material
FUMIKIRI Lockring	BC1.29 x 24T-L	Cr-Mo Steel





For 13T and lager sprockets.



For installation and removal, please use an external BB tool which is more practical than a hook wrench.

*See page 10.

New!



Rim Cement Remover Ver.2

Ver.2

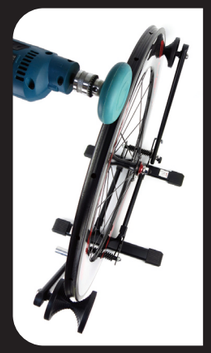
As it is directly attached to the tool without an adapter, your work efficiency can be improved.

Purpose

To remove residues of release agent, rim tape and rim cement from carbon rims for tubular.

Features

By using on drill or air tools, you can clean the rims more efficiently. The remover made of the composite rubber, free from polishing agent and abrasive grain, can remove adhesive residue without damage to carbon fiber rims.







Bottom Bracket List



BB-SG75 SUPER CERAMIC

Bearing : Ceramic balls
Ball Race : Super LAP
Axle Type : SG75 taper
Cup Thread : BC1.37x24T
Shell Width : 68mm



BB-SG75 SUPER LAP

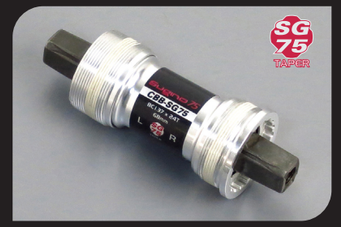
Bearing : Steel balls
Ball Race : Super LAP
Axle Type : SG75 taper
Cup Thread : BC1.37x24T
Shell Width : 68mm



BB-SG75 Standard

Bearing : Steel balls
Ball Race : Standard
Axle Type : SG75 taper
Cup Thread : BC1.37x24T
Shell Width : 68mm

SG 75 TAPER
*See page 4



CBB-SG75

Bearing : Steel balls
Axle : for SG75 144
Axle Type : SG75 taper
Cup Thread : BC1.37x24T
Shell Width : 68mm
Cup Material : Aluminum alloy



CBBAL-103

Bearing : Steel balls
Axle : 103mm
Axle Type : JIS taper
Cup Thread : BC1.37x24T
Shell Width : 68mm
Cup Material : Aluminum alloy



CBBF-103

Bearing : Steel balls
Axle : 103mm
Axle Type : JIS taper
Cup Thread : BC1.37x24T
Shell Width : 68mm
Cup Material : Steel



MB-608 (BSA) SUPER CERAMIC

Bearing : Ceramic balls
Axle Type : IDS24
Cup Thread : BC1.37x24T
Shell Width : 68mm



MB-608 (BSA) STEEL

Bearing : Steel balls
Axle Type : IDS24
Cup Thread : BC1.37x24T
Shell Width : 68mm

BB TOOL

Model	Used for
TL-CBB	Cartridge BB (CBB series)
TL-PWS BB wrench set	External BB (MB-608) FIXIE series, FUMIKIRI Lockring



TL-CBB



TL-PWS BB wrench set