



# SUGINO

**SPIRIT of JAPAN**

*Bicycle Parts Lineup*  
**TRACK RACING**

*Ver. 4.0*

*English*

**SUGINO  
ENGINEERING  
CORPORATION**



# SG75 DD

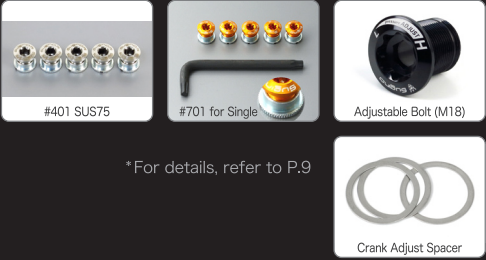


Sugino 75 with IDS24 technology, super rigid chainwheel set for racing. IDS24 axle, further evolved to be more “precise” and “durable”, enhances functionality of high performance crank.



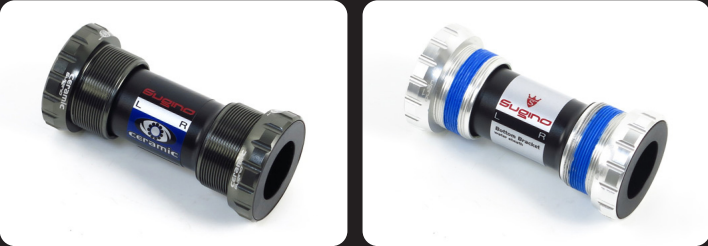
SUPER SG75 DD2		SG75 DD2
Axle Type	IDS24 (φ24mm axle)	
B.B.	MB-608 (BSA) SUPER CERAMIC included	MB-608 (BSA) STEEL included
P.C.D.	144mm	
Teeth	46 ~ 55T	44 ~ 55T
Crank Length	165 , 167.5 , 170mm	
Crank Material	Super hard forged aluminum alloy	
Chain Size	1/2" x 1/8"	
Chain Line	42mm	
Color	●S3 Gold	●Silver , ●Black

### Small Parts



\*For details, refer to P.9

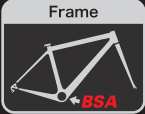
### B.B.



**MB-608 (BSA)  
SUPER CERAMIC**

**MB-608 (BSA)  
STEEL**

Frame	BSA	
Cup Thread	BC1.37 x 24T	
Shell Width	68mm	
Bearing	Super Ceramic balls	Steel balls



Made-in-Japan highest grade, high precision, ceramic bearing is used. The extremely low friction feature ensures super smooth rotation. Cyclists need to adjust power and cadence, so the ceramic bearing is most effective as less energy is required to turn pedals. It offers remarkable performance gain in competitions requiring high power output.

### New IDS24 Axle



### New IDS24 AXLE

High level of strength and corrosion resistance are achieved. It is designed to provide optimal stress distribution, and manufactured in ultra-high precision, with beautiful gold finish.

### Adjustable Pressure

Special design for OX2 for fine pressure adjustment to create perfect fit, which ensures utmost performance of high precision bearing.



Adjustable Bolt (M18)



is smooth and shiny, combines high hardness with low friction coefficient used by many of the top professionals on the track. the friction resistance is less than half that of the titanium coating. 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.



# Sugino 75



Sugino 75 is world-famous high-end crank used by Olympic and World Championship medalists. ZEN chainring and BB SG75 are also highest quality, most reliable track parts in the world, and offer top performance in track race.



SUPER SG75 144



SG75 144



SG75 144C  
(Grand Mighty)

Axle Type	4-Taper (SG75)		
P.C.D.	144mm		
Length	165 , 167.5 , 170 , 172.5 , 175mm		
Material	Super hard forged aluminum alloy		
Chain Line	42mm *BB-SG75 series (P.6)		
Color	●S3 Gold	●Silver , ●Black	●Gold
		*NJS (Silver only)	*NJS



SUPER ZEN 144



ZEN 144



SSG 144



MC 144

P.C.D.	144mm			
Chain Size	1/2" x 1/8"			
Teeth	46 ~ 57T	44 ~ 58T	44 ~ 54T	44 ~ 54T
Color	●S3 Gold	●Silver , ●Black	●Silver , ●Black	●Silver , ●Black
		*NJS (Silver 44T-55T only)	*NJS (Silver only)	



BIG ZEN 144  
ZEN144 Super Big model

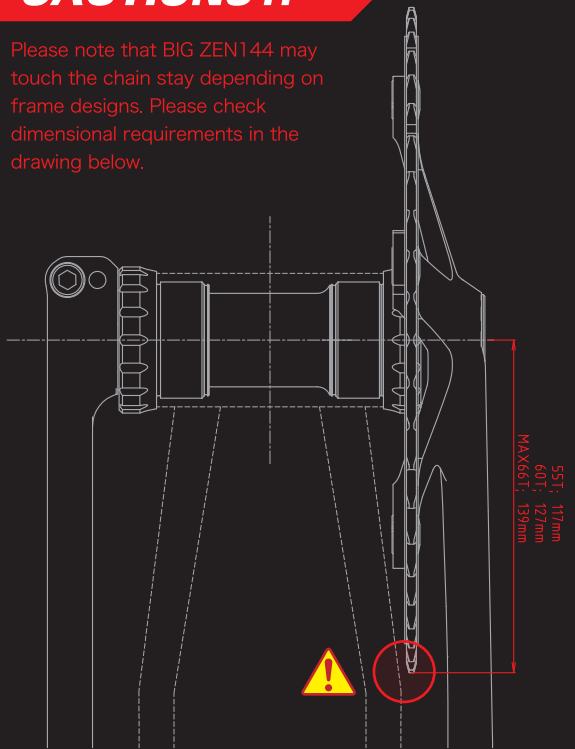
P.C.D.	144mm
Chain Size	1/2" x 1/8"
Teeth	59 ~ 66T
Color	●Silver , ●Black



Sugino 75 ZEN  
Crank : SG75 144 (Black)  
Chainring : ZEN144 (Black)

## CAUTIONS !!

Please note that BIG ZEN144 may touch the chain stay depending on frame designs. Please check dimensional requirements in the drawing below.



SUGINO 75





S<sup>3</sup>  
S-cubic  
Super Smooth Surface



SUPER Sugino 75 ZEN

Crank : SUPER SG75 144  
Chainring : SUPER ZEN144



Sugino 75 ZEN

Crank : SG75 144 (Silver)  
Chainring : ZEN144 (Silver)



Sugino 75 SSG

Crank : SG75 144 (Silver)  
Chainring : SSG144 (Silver)

BB-SG75 series



BB-SG75 SUPER CERAMIC

Highest grade model with ceramic bearing and super lap



BB-SG75 SUPER LAP

High grade model with super lap



BB-SG75 Standard

Standard model

Axle Type	4-Taper (SG75)		
Cup Thread	BC1.37 x 24T		
Shell Width	68mm		
Ball Race	Super LAP	Super LAP	Standard
Bearing	Super Ceramic balls	Steel balls	Steel balls
		*NJS	*NJS



SUPER LAP  
Super high quality polish

Special polish on the races on both spindle and cups, effectively reduces friction.



Made-in-Japan highest grade, high precision, ceramic bearing is used. The extremely low friction feature ensures super smooth rotation. Cyclists need to adjust power and cadence, so the ceramic bearing is most effective as less energy is required to turn pedals. It offers remarkable performance gain in competitions requiring high power output.



As Sugino 75 series use a proprietary taper, we refer to it as "SG75 taper" instead of ISO taper in order to avoid misunderstandings and troubles.



CBB-SG75

Cartridge BB for urban cyclist

Axle Type	4-Taper (SG75)
Cup Thread	BC1.37 x 24T
Shell Width	68mm
Cup Material	Aluminum alloy
Bearing	Steel balls

CAUTIONS !!



Cautions when using Sugino 75 crank

⚠ Non-Sugino BB [ISO taper (Axle 109mm)]


Bottom Brackets claiming to be "Sugino 75 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 Sugino 75 (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.





Urban Piste series including flagship model Messenger. Customize your bike with colorful parts to meet your personal preferences, and increase performance.








RD4 Messenger



RD4 TRACK

Axle Type	4-Taper (JIS)		
B.B.	CBBAL (CBBF) -103 *Sold separately		
P.C.D.	130mm		
Teeth	42 , 44 , 46 , 48T	44 , 46 , 48 , 49 , 50T	
Crank Length	165 , 170 , 175mm		
Chain Line	45mm *CBBAL (CBBF) -103mm		
Color	●Silver , ●Black	●Silver , ●Black	









CBBALCBBF




B.B.


Axle Type	4-Taper (JIS)	
P.C.D.	130mm	
Length	160 , 165 , 167.5 , 170 , 172.5 , 175mm	
Material	Hard forged aluminum alloy	
Chain Line	45mm *CBBAL (CBBF) -103mm	
Color	●Silver , ●Black	

Axle Type	4-Taper (JIS)	
Cup Thread	BC1.37 x 24T	
Shell Width	68mm	
Axle Width	103 , 110 , 113 , 116mm	103 , 110 , 113 , 119mm
Cup Material	Aluminum alloy	Steel






CNS Alloy Dust Cap



#701 for Single



#402 for Single

Small Parts

PJ130 MSGR

130J TRACK

P.C.D.	130mm	
Chain Size	1/2" x 1/8"	
Teeth	42 , 44 , 46 , 48T	44 , 46 , 48 , 49 , 50T
Color	●Silver , ●Black	●Silver , ●Black



●Super rigid & Very light

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

\*GIGAS alloy is not used for 12T.

●Wide variety of options

There are a wide variety of options including sizes and colors, such as NJS model for Keirin race, glossy finish model that looks cool for both racing and urban cycling.



GIGAS

Chain Size	1/2" x 1/8"		
Thread	BC1.37 x 24T		
Material	GIGAS alloy	Cr-Mo steel	
Teeth	13 ~ 16T	12T	
Color	●S3 Gold	●Black	●S3 Gold
	*NJS	*NJS	



SUPER GIGAS

Chain Size	1/2" x 1/8"	
Thread	BC1.37 x 24T	
Material	GIGAS alloy	
Teeth	13 ~ 17T	
Color	●S3 Platinum , ●Gold , ●Silver	



GIGAS Lockring

Thread	BC1.29 x 24T L
Material	Cr-Mo steel
	*NJS



FIXIE 75

Chain Size	1/2" x 1/8"	
Teeth	16 ~ 23T	
Color	●Gold , ●Dark Blue	

●FIXIE system

Cogs are notched to accept matching notched parts (cluster), and locking holds them in place. The system allows you to change cogs easily with BB tool, no need of chin whip tool and ring spanner.



CLUSTERLOCKRINGSPROCKET



TL-PWS BB wrench set

\*For details, refer to P.10



Cluster & Lockring set



FIXIE Cluster



FUMIKIRI Lockring

Thread	BC1.37 x 24T	BC1.29 x 24T L
Material	Cr-Mo steel	Cr-Mo steel

7

8

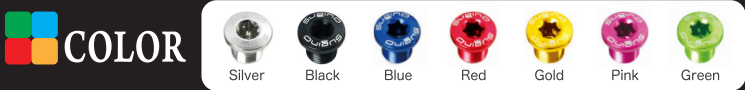


CHAINRING FIXING BOLTS & NUTS				
Model	Material	Color	Bolt	Nut
#401 SUS75	Stainless	● SUS	Hexagon	Knurled
#402	Steel	● CP	Hexagon	Normal
#701	Aluminum alloy	● Silver ● Black ● Blue ● Red ● Gold ● Pink ● Green	Torx 30	Knurled



#701 for Single

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



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



CRANK SPACER	
Model	IDS24
2 piece Crank Adjust Spacer set	
φ29 x φ24mm t0.5mm 3 pieces set	

PRESSURE BOLT	
Model	IDS24
M15 Pressure Bolt	
Adjustable Bolt (M18)	
* For New IDS24 Axle	

BB AXLE BOLTS			
Model	Tool	Material	Reference
KPB	Hexagon	Cr-Mo steel	M8 x 1.0
14BK	Box		
15CP	Box		

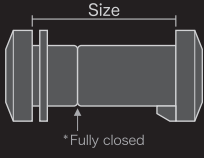


CRANK DUST CAP		
Model	Tool	Material
CNS Alloy Dust Cap	Hexagon	Aluminum alloy

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.



SEATPOST CLAMP BOLT			
Model	Size	Tool	Material
Seatpost Clamp Bolt	17mm	Hexagon	Cr-Mo steel
	19mm		
	22mm		
	25mm		



Tool

TL-CBB



Installation and removal Tool for cartridge BB. (CBB series)



CBB-SG75



CBBAL , CBBF

Extractor #202 , #203B



15 Socket



14 Socket

Square taper crank removal tool.

TL-PWS BB wrench set



Installation & removal tool for POWER SLEEVE (BB for road bike), it also works for MB-608 (BSA) for SG75 DD2 (P.1-2), FIXIE Cluster and FUMIKIRI Lockring.



MB-608 (BSA)



FIXIE Cluster



FUMIKIRI Lockring

Rim Cement Remover Ver.2



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.

●Version 2

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

Wheel stand



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.

BICYCLE PARTS lineup

- ROAD CYCLING Ver.1.0 -  
- TRACK RACING Ver.4.0 -



SUGINO ENGINEERING CORPORATION

<https://www.suginold.co.jp/us/>

Without notice due to continual improvements.

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