



***STRONGLIGHT***  
Bicycle components

JIS

Conical square crankset in accordance with JIS standard (Japan International Standard)



2002

CSA

Chain Shifting Assistance: facilitates speed shifting under load. All Stronglight rings present CSA system, including a CSA+ version for use in competition.



2003

ISIS Drive

International Spline Interface Standard: crank fastening to BB via a notched cone



2004

2x9 Concept

MTB double crankset 44/29 for XC competition



2004

Compact Concept

Road double crankset which brackets correspond to triple crankset



2005

FCT

Full Carbon Technology : hollow carbon cranks with no metallic core. Main advantage of this system is an optimized weight/rigidity ratio.



2005

CT<sup>2</sup>

Ceramic Teflon® Treatment: ceramic top layer impregnated with a layer of teflon. This treatment ensures harder materials, longer life and resistance to scratching where the Teflon reduces the chain's friction coefficient by 80% so that noise, friction and lubrication are decreased and chain shifting is improved.



2007

Activ Link

Axle is integrated to the crank to increase rigidity and thus efficiency of the whole crankset.



2007

ALS

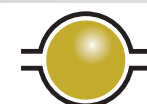
Adjust Length System : reversible inserts system which allows to obtain different crank length.



2008

Rlt Céramiques

High quality bearings : the enhanced superficial hardness (x3 times higher than classical bearings) improves rollability and increases corrosion resistance.



08/09

BB30

Classical Activ Link system evolved to BB 30 by integrating bearings directly into frame box: reduction of BB parts number lead to a lighter system with enhanced rigidity. Combined with FCT, BB 30 strong-light crankset reaches the top of high technology. This system is compatible only with identical standard frame boxes (Ø 42mm without interior thread)



08/09

Eye Magnet technology

"In mold" magnet placed inside hollow carbon structure for pedalling rake computer.



08/09

Compact/Double Forming

This "single crankset" concept allows cyclist to choose between compact or double configuration following his course. The wide range of rings offers combinations from 53 T to 34 T.

Independent fixing at the very edge of teeth allows very fast and easy change of rings, as well as perfect rigidity for strain transmission and chain shifting precision (exclusive system)



# X-WING Time Trial



## Cranks :

PCD 146 / 110 mm

170/172.5/175 mm

Hollow Carbon Technology (FCT) - Shiny finish  
"In mold" aluminium inserts

## Chain rings :

Outer chain ring stiff and aerodynamics

Exclusiv chain rings assembly (inside crank arm)

Material : 7075 T6 Ceramic Teflon® Treatment (CT²)

Ø Outer : 146 mm - Type XW-TT

Ø Inner : 110 mm - Type XW

10 speed CSA+

Double : 51/39 - 52/39 - 52/42 - 53/39 - 50/36 - 50/34  
Aluminium screw

## Integrated axle :

Activ Link BSC or ITALIAN

Titanium integrated axle (TA6V)

Double row ceramics ball bearings

✓ 725 grs





# X-WING double-compact & triple



EXCLUSIV chainrings assembly  
(high stiffness)

## Cranks :

PCD 146/110 mm

170/172.5/175 mm

Hollow Carbon Technology (FCT) - Shiny finish  
"In mold" aluminium inserts

## Chain rings :

Exclusive chain rings assembly (inside crank arm)

Material: 7075 T6 Ceramic Teflon Treatment (CT²)

Ø Outer: 146 mm - Type XW

Ø Middle: 110 mm - Type XW

Ø Inner (for triple): 74 mm - Type XW

10 speed CSA+

Double: 51/39 - 52/39 - 52/42 - 53/39 - 50/36 - 50/34  
- 48/34

Triple : 52/42/30 - 51/39/30

Aluminium screw

## Integrated axle :

Active Link BSC or ITALIAN

Titanium integrated axle (TA6V)

Double row ceramic ball bearings

✓ 690 grs



"In mold" magnet (inside the hollow  
carbon structure) for pedaling  
rate computer (left crank)



# HELION double & compact



**FCT**  
Full Carbon Technology



in option



## Cranks :

PCD 130 mm (double) and 110 mm (compact)  
170/172.5/175 mm

Hollow Carbon Technology (FCT) - shiny finish  
Anodized aluminium inserts

## Chain rings :

Material : 7075 T6 Ceramic Teflon® Treatment (CT²)  
Type 130 S (double) and 110 S (compact)

10 speed CSA+

Double : 51/39 - 52/39 - 52/42 - 53/39

Compact : 50/36 - 50/34 - 48/34

Aluminium screw

## Integrated axle :

Active Link BSC or ITALIAN

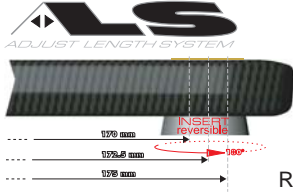
Double row ceramic ball bearings

✓ 640 grs





i, option



Reversible insert system which allows to obtain different crank lengths.

## Cranks :

PCD 110 mm

Adjust Length System (ALS)

Reversible insert : 170/175 mm and 172.5 mm

Hollow Carbon Technology (FCT) - Shiny finish

Anodized aluminium inserts

## Chain rings:

Type 110 S - 110 ST

Material : 7075 T6 matt black anodized

10 speed CSA+

Double : 51/39 - 52/39 - 53/39 - 52/42

Compact : 50/34 - 50/36 - 48/34

Triple : 52/42/30 - 51/39/30 - 48/38/28

Aluminium screw

## Integrated axle :

Active Link BSC or ITALIAN

Titanium integrated axle (TA6V) or aluminium (BB30 option)

√ 725/795 grs



## Fission Time trial

"Time Trial high stiffness" chain ring equipped (4mm thickness)

### Chain rings :

Type 110 STT

7075 T6 CNC

10 speed CSA+

53/39 - 52/39 - 52/42 - 50/34 - 50/36

√ 750 grs





## Z'LIGHT Activ Link (Compact)



### Cranks :

PCD 110 mm  
165/170/172,5/175/180 mm  
Aluminium 2014 T6  
Silver anodized

### Chain rings :

Type 110 S  
7075 T6 Silver anodized  
9/10 speed CSA+  
Compact: 50/34 - 50/36 - 48/34  
Stainless steel screw

### Integrated axle :

Activ Link BSC  
Stainless steel integrated axle to the LEFT crank

√ 879 grs

## Z'LIGHT Activ Link (double)



### Cranks :

PCD 130 mm  
165/170/172,5/175/180 mm  
Aluminium 2014 T6  
Silver anodized

### Integrated axle :

Activ Link BSC  
Stainless steel integrated axle to the LEFT crank

√ 895 grs

### Chain rings :

Type 130 S  
7075 T6 silver anodized  
9/10 speed CSA+  
51/39 - 52/39 - 53/39 -  
52/42  
Steel stainless screw



## Z'LIGHT Activ Link (triple)



### Cranks:

PCD 130 mm  
165/170/172,5/175/180 mm  
Aluminium 2014 T6  
Silver anodized

### Integrated axle :

Activ Link BSC  
Stainless steel integrated axle to the LEFT crank

√ 945 grs

### Chain rings :

Type 130/74 ST  
7075 T6 silver anodized  
9/10 speed CSA+  
51/39/30 - 52/42/30  
Steel stainless screw





## Cranks :

PCD 130 mm (triple) PCD 110mm (cross over)  
165/170/172,5/175 mm  
Aluminium 2014 T6  
Silver anodized

## Chain rings :

Type 130/74 ST & 110 S (cross over)  
7075 T6 silver anodized  
52/42/30 - 51/39/30  
Cross over 34 T

9/10 speed  
Steel stainless screw

## SR10-K07

10 speed  
Forged steel  
Hollow axle  
6 mm width  
116 link + specific link  
"quick lock" (included)  
10 speed standard for  
Shimano or Campagnolo®  
transmission

✓ 260 grs



Reinforced axle  
(hard anodized)



link "quick lock"

CNC  
7075 T6 Ceramic Teflon  
Treatment (CT<sup>2</sup>)  
10 speed  
Combinations: 11\*-23 / 12-25 /  
13-27  
Aluminium lockring (included)  
10 Speed standard for Shimano  
or Campagnolo® hubs

✓ 110 grs (11-23) + lock-  
ring 4 grs

\*11 teeth in steel



## IMPACT (compact & double)



### Cranks :

PCD 110 mm  
170/ 172,5/175 mm  
Aluminium 6061 - T6  
Silver anodized

### Chain rings :

Type 110 S  
5083 silver anodized  
9/10 speed CSA  
Double : 52/39 - 52/42 - 50/40 - 48/38  
Compact : 50/34 - 50/36 - 48/34 - 46/36 - 48/38  
Stainless steel screw

JIS Drive  
√ 675 grs

## IMPACT (triple)



### Cranks :

PCD 110 mm  
170/172,5/175 mm  
Aluminium 6061 T6  
Silver anodized

50/40/30 - 52/42/30 -  
52/42/32  
Stainless steel screw

JIS Drive  
√ 770 grs

### Chain rings :

Type 110/74 ST  
5083 silver anodized  
9/10 speed CSA  
Triple : 48/38/28 -  
46/36/26 - 46/34/24 -



## IMPACT Tandem



### Cranks :

PCD 110 mm  
170/175 mm  
Aluminium 6061 T6  
Silver anodized

### Chain rings :

Type 110/74 ST & 110 S  
5083 silver anodized  
9/10 speed CSA  
Triple: 51/39/30 - 48/38/28 - 46/34/24  
Cross over : 39 T  
Steel screw

JIS Drive

## MYGAL (double & triple)



### Cranks :

PCD 130 mm  
170/172,5/175 mm  
Aluminium 6061 - T6  
Silver anodized

### Chain rings :

Type 130 S & 130/74 STR  
7075 T6 noir / CNC silver anodized  
9/10 speed CSA+  
Double: 51/39 - 52/39 - 52/42 - 53/39  
Triple: 52/42/30  
Steel screw

JIS Drive

✓ 650 / 745 grs

## SPEEDLIGHT (double & triple)



option ISIS



### Cranks :

170/172,5/175 mm  
2074 - T6 hot forged aluminium  
Silver anodized

### Chain rings :

Ø 130mm - Type S & 130/74 STR  
black 7075 - T6 / CNC silver anodized  
9/10 speed CSA+  
Double : 51/39 - 52/39 - 52/42 - 53/39  
Triple : 52/42/30  
Steel screw  
JIS Drive (for ISIS Drive get in touch with us)

✓ 620 / 716 grs

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## DUOLIGHT tandem

### Cranks :

PCD 130 mm  
170/175 mm  
Aluminium 2014 T6

### Chain rings :

Type 130/74 ST & 130 S (cross over)  
Black 7075 T6 / CNC silver anodized  
9/10 speed CSA+  
Triple : 52/42/30  
Cross over : 39 T  
Steel screw





## Cranks :

PCD 130 mm

165/170/172,5/175 mm

2014 T6 hot forged aluminium

Silver anodized

## Chain rings :

Type 130 Tk (1"1/8)

High stiffness lightened & aerodynamics

Black 7075 T6

48-49-50-51-52-53 T

Stainless steel screw

## Integrated axle :

Activ Link BSC

Stainless steel integrated axle to the LEFT crank

✓ 860 grs



## Spares Chain rings :

Type 130 Tk (1"1/8)

High stiffness lightened & aerodynamics

Black or silver 7075 T6

from 46 to 53 T




**Cranks:**

PCD 144 mm  
165/170/172,5 mm  
Aluminium 6071 T6  
Silver anodized

**Chain rings :**

Type 144 Tk (1"1/8)  
High stiffness lightened & aerodynamics  
7075 T6 silver anodized  
from 44 to 52 T  
Stainless steel screw

JIS Drive  
√ 700 grs

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**Spares chain rings :**

Type 144 Tk (1"1/8)  
High stiffness lightened & aerodynamics  
Black or silver anodized  
from 44 to 52 T


**Bottom bracket special lane :**

Titanium axle - conical square JIS  
Lg 107 mm  
Double row double lines bearings\*  
BSC box 68 mm

√ 148 grs

\*Ceramic option



## IMPACT "R" ou "S"



### Models :

Impact "R" for hubs integrated speeds (ex. Rohloff)  
Impact "S" for chain-adjuster transmission system

### Cranks :

170 mm / Aluminium 6061-T6  
Silver anodized

39-42-44-46-48 T

### Chain guard :

Simple or double  
Material : black 5083-T6  
Steel Screw

### Chain ring :

Type 110 S  
5083 T6 (S) or 7075 T6 (R)  
Silver anodized

✓ 720 grs



## MYGAL "S"



### Cranks :

170 mm  
Aluminium 6061-T6  
Silver anodized

### Chain guard :

Simple  
Material: 5083 - T6 black  
Steel screw

### Chain ring :

Type 130 mm S  
Material : 5083-T6 silver  
anodized  
39-42-44-46-48 T

✓ 720 grs



## SPEEDLIGHT "S"



### Cranks :

170 mm  
Aluminium 2014-T6  
Silver anodized

### Chain guard :

Simple  
Material: black 5083-T6  
Steel screw

### Chain ring :

Type 130 "S"  
Material : 5083-T6 silver  
anodized  
39-42-44-46-48 T

✓ 690 grs



## Pédalier 55 "S"



### Cranks :

170 mm  
Aluminium 6061-T6  
Silver anodized

### Chain guard :

Possible : get in touch  
with us  
Steel screw

### Chain ring :

Material : crimp 5083-T6  
Silver chain ring riveted  
38-42-44-46-48-50 T

✓ 495 grs



## SL 32 "S"



### Cranks :

170 mm  
Chrom steel

### Chain ring :

Steel  
Teeth : get in touch with us



## Manivelle GAUCHE "F3"



### Spare left crank

170 mm  
Aluminium 6061-T6  
Silver anodized  
pasted on cardboard

**Cranks :**

170 mm

Aluminium 6061-T6

Silver anodized

**Chain ring and protection : \***

Steel chain ring 38 T silver anodized

Composite protection Ø 95mm silver anodized

\* Other models available conditionally: get in touch with us

## CITY STRONG

**Cranks :**

170 mm

Aluminium 6061-T6

Silver anodized

**Chain ring and protection :\***

Steel chain ring 38 T silver anodized

Composite protection Ø 95mm silver anodized

\* Other models available conditionally: get in touch with us

## OXITY

**Cranks :**

170 mm

Aluminium 6061-T6

Silver anodized

**Chain ring and protection :\***

Steel chain ring 38 T silver anodized

Composite protection Ø 92mm silver anodized

\* Other models available conditionally: get in touch with us

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## EARTH &amp; EARTH-VAE

**Cranks :**

170 mm

Aluminium 6061-T6

Silver anodized

**EARTH chain ring :\***

38 T 5083 silver anodized

**EARTH VAE sans plateau :\***

Without chain ring for VAE (Electric Bike)

Protection Ø 92mm



\* Other models available conditionally: get in touch with us



# MS-Xo

HOLLOWTECH Forging Technology



## MEISTER Stk-Xo

### Cranks :

PCD : 104/64 mm  
170 - 175 mm  
Aluminium 6061-T6  
Matt/shiny black anodized

### Chain ring :

Type XTR07  
44/32/22  
Chain ring 44/32 T : 7075-T6 CT<sup>2</sup>  
Chain ring 22 T : titanium  
Aluminium screw

### Integrated axle :

Activ Link box 68-73 mm  
Stainless steel integrated axle to the LEFT crank  
Double row ball bearings\*  
\*Ceramics option

JIS

√ 715 grs

### Spare chain ring :

Type XTR 07  
44/32/22  
Chain ring 44/32 T : 7075-T6 CT<sup>2</sup>  
Chain ring 22 T : CT<sup>2</sup> or titanium



## MEISTER Stk-X1

### Cranks :

PCD 104/64 mm  
170 / 175 mm  
Aluminium 6061-T6  
Matt/shiny black anodized

### Chain ring :

Type XTR07  
7075-T6 CT<sup>2</sup>  
44/32/22  
Aluminium screw

### Integrated axle :

Activ Link box 68-73 mm  
Stainless steel integrated axle to the LEFT crank  
Double row ball bearings\*  
\*Ceramics option

ISIS Drive

√ 715 grs





## MEISTER Stk-X2

### Cranks :

ALS (Adjust length System)

Reversible insert : 170 - 175 mm and 172,5 mm

Aluminium 6061-T6

Matt/shiny black anodized

### Chain ring :

Type 94 MS

7075-T6 CT<sup>2</sup>

44/29 - 42/29

ISIS Drive

✓ 620 grs



## OXALE TWO



### Cranks :

170-175 mm

Aluminium 6061

Matt black anodized

### Chain ring :

5083-T6 black anodized

44/29 - 42/29

ISIS Drive

✓ 600 grs





## Cranks :

PCD 104/64 mm  
ALS (Adjust Length System)  
Reversible insert 170/175 mm  
Unique steel stainless protection  
Hollow Carbon Technology (FCT)  
Shiny finish  
Anodized Aluminium inserts

## Chain ring :

Type 104/64 S  
7075 T6 Ceramic Teflon® Treatment (CT²)  
9 speed  
44/32/22  
Stainless steel screw

## Integrated axle :

BSC cups  
Stainless steel integrated axle to the right crank

✓ 870 grs

# OXALE Ca



## Cranks :

PCD 104/64 mm  
ALS (Adjust Length System)  
Reversible insert 170/175 mm  
Carbon - Shiny finish

## Chain ring :

Type 104/64 S  
7075-T6 Ceramic Teflon® Treatment (CT²)  
9 speed  
44/32/22  
Stainless steel screw

## Integrated axle :

Stainless steel integrated axle to the LEFT crank

✓ 945 grs



Cranks :  
ALS (Adjust Length System)  
Reversible insert  
170/175 mm  
Aluminium 6061-T6  
Silver anodized

44/32/22  
Stainless steel screw  
  
Integrated axle :  
Stainless steel integrated  
axle to the LEFT crank

Chain ring :  
Type 104/64 S  
Ø 104 : 7075-T6 black  
Ø 64 : stainless steel  
9 speed

✓ 970 grs

## OXALE JIS



Cranks :  
170-175 mm  
Aluminium 6061-T6  
Silver anodized

Stainless steel screw

JIS Drive  
✓ 710 grs

Chain ring :  
Type 104/64 S  
Ø 104: 7075-T6 black  
anodized  
Ø 64: stainless steel  
9 speed  
44/32/22

## OXALE TANDEM



Cranks :  
ALS (Adjust Length System)  
170/175 mm  
Aluminium 6061  
Black anodized  
ISIS Drive

9 speed  
46/34/24  
Cross over : 32 T  
Steel screw

ISIS Drive

Chain ring :  
Type 104/64 S  
Ø 104 : 7075-T6 black  
anodized  
Ø 64 : stainless steel

## SUCCESS



Cranks :  
170 mm  
Aluminium 6061-T6  
Silver anodized

JIS  
✓ 850 grs

Chain ring :  
Ø 104/64 mm  
Steel chain ring  
44/32/22  
9 speed  
Stainless steel screw

ROAD 130	STRONGLIGHT & COMP. : SHIMANO - SRAM - FSA... STANDARD(type S)			
	DOUBLE	TRIPLE	TIME TRIAL	TRIPLE with holder
	130 S	130/74 ST	130 STT	130/74 STR
<b>CT<sup>2</sup></b>	130 S : 53 to 48 130 S : 44 to 38  Matt black	130 S : 53 to 48 130 ST : 42-40-39 74 S : 30  Matt black	130 STT : 55 to 51 130 S : 46 to 38  Matt black	
<b>7075</b>	130 S : 56 to 46 130 S : 46 to 38  Silver Black CNC { Champagne }	130 S : 56 to 46 130 ST : 42-40-39 74 S : 36 to 26  Silver Black CNC { Champagne }	130 STT : 54-53-52 130 S : 46 to 38  Matt black	130 S : 56 to 46 130 STR : 46 to 38 74 S : 36 to 26  Silver Black CNC { Champagne }
<b>5083</b>	130 S : 54 to 46 130 S : 44 to 38  Silver	130 S : 54 to 46 130 S : 44 to 38 74 S : 36 to 26  Silver		
<b>Steel</b>		74 S : 32 to 24  Silver		
recommended teeth	51/39 - 52/39 52/42 - 53/39	52/42/30 - 51/39/30	51/39 - 52/39 52/42 - 53/39	52/42/30 - 51/39/30

ROAD 110	STRONGLIGHT & COMP. : SHIMANO - SRAM - FSA... STANDARD(type S)		
	DOUBLE-COMPACT	TRIPLE	TIME TRIAL
	110 S	110 ST	110 STT
<b>CT<sup>2</sup></b>	110 S : 52 to 46 110 S : 42 to 33  Matt black	110 S : 52 to 46 110 S : 42 to 34 74 S : 32 to 24  Matt black	110 STT : 54 to 48 110 S : 42 to 33  Matt black
<b>7075</b>	110 S : 53 to 46 110 S : 42 to 34  Silver Matt black { Champagne }	110 S : 53 to 46 110 S : 42 to 34 74 S : 32 to 24  Silver Matt black { Champagne }	110 STT : 53 - 52 - 50 110 S : 42 to 34  Matt black
<b>5083</b>	110 S : 52 to 46 110 S : 44 to 34  Silver { Noir }		
<b>Steel</b>	{ 110 S : 50 } { 110 S : 34 }  { Noir }		
recommended teeth	50/36 - 50/34 - 48/34	52/42/30 - 51/39/30 48/38/28	51/39 - 52/39 - 52/42 53/39

ROAD 146	STRONGLIGHT : type XW		
	DOUBLE-COMPACT	TRIPLE	TIME TRIAL
	XW	XW-T	XW-TT
<b>CT<sup>2</sup></b>	146 XW : 53 to 48 110 XW : 44 to 34  Matt black	146 XW-T : 52-51 110 XW-T : 42-39 74 S : 30  Matt black	146 XW-TT : 55 to 51 110 XW : 44 to 34  Matt black
recommended teeth	51/39 - 52/39 - 52/42 53/39 - 50/36 - 50/34 48/34	52/42/30 51/39/30	50/34 - 50/36 - 52/39 53/39 - 53/42


Jacket's  
chainring



ROAD CAMPA	Comp. CAMPAGNOLO (type A-B-C)				
	CARRÉ CONIQUE	UT Centaur carbone/Véloce/Mirage		UT Record/chorus/centaur alu	
	135 A	110 B	135 B	110 C	135 C
CT <sup>2</sup>				110 C : 53 to 48 110 C : 39 to 34 Matt black	135 C : 53 to 50 135 C : 44 to 39 Matt black
7075	135 A : 53 to 46 135 A : 46 to 39 Silver Black	110 B : 53 to 48 110 A : 46 to 39 Silver	135 B : 53 to 50 135 A : 46 to 39 Silver	110 C : 53 to 48 110 C : 39 to 34 Silver	135 C : 53 to 50 135 C : 44 to 39 Silver
5083	135 A : 55 to 46 135 A : 44 to 39 Silver				

TRACK TIME TRIAL	PISTE (type TK)		TIME TRIAL (type TT)		
	PCD 144	PCD 130	PCD 146	PCD130	PCD 110
	144 TK	130 TK	XW-TT	130 STT	110 STT
CT <sup>2</sup>			146 XW-TT : 55 to 51 110 XW : 44 to 34 Matt black	130 STT : 55 to 51 130 S : 46 to 38 Matt black	110 STT : 54 to 48 110 S : 42 to 33 Matt black
7075	144 P : 52 to 44 Silver Black	130 P : 53 to 46 Silver Black		130 STT : 54-53-52 130 S : 46 to 38 Matt black	110 STT : 53-52-50 110 S : 42 to 34 Matt black
recommended teeth			50/34 - 50/36 52/39 - 53/39 53/42	51/39 - 52/39 52/42 - 53/39	51/39 - 52/39 52/42 - 53/39

MTB	STRONGLIGHT & COMP. : SHIMANO STANDARD XTR		STRONGLIGHT etc STANDARD XC		
	Comp. Shimano XTR		Stronglight MS	4 branches	5 branches
	XTR 05/06	XTR 07	XTR 07	104 / 64 S	94 / 58 S
CT <sup>2</sup>	146 XTR : 44 102 XTR : 32 64 XTR : 22 Matt black	104 XTR : 44 104 XTR : 32 64 XTR : 22 Matt black	104 XTR : 44 104 XTR : 32 64 XTR : 22 Matt black * *22 teeth Titanium Option	104 S : 44 104 S : 32 64 S : 22 Matt black	
7075				104 S : 46-44-42 104 S : 34-32 Black	94 S : 46 to 40 94 S : 36 to 29 Black
Steel				64 S : 22-24 Stainless steel	58 S : 20 to 24 Stainless steel
recommended teeth	44/32/22	44/32/22	44/32/22	44/32/22 42/32/22	

MTB		
	MS-Two	Oxale-Two
	94 MS	94 OX
CT <sup>2</sup>	94 MS : 44-42 94 MS : 29 Matt black	
7075		94 OX : 44-42 94 OX : 29 Black
recommended teeth	44/29 42/29	44/29 42/29

Stronglight, partner of



## Type XW/X-WING



Compatibility-material :  
PCD 146/110 mm for double  
PCD 146/110/74 mm for triple  
7075-T6 Ceramic Teflon®  
Treatment (CT<sup>2</sup>)  
10 speed - CSA+

Teeth :  
Outer : 48-50-51-52-53 T  
Inner : 34-36-39-42-44 T  
Middle : 39-42 T  
CT<sup>2</sup> finish (black)

√ 75 grs - 45 grs - 40 grs



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## Type XW-TT / X-WING



Compatibility-material :  
PCD 146/110 mm  
7075-T6 Ceramic Teflon® Treatment (CT<sup>2</sup>)  
4mm thickness  
High stiffness and aerodynamic  
10 speed - CSA+

Teeth :  
Outer : 50-51-52-53-54-55 T  
CT<sup>2</sup> finish (black)

√ 132 grs





Compatibility-material :  
PCD 130 mm for double and PCD 130-74 mm for triple  
7075-T6 Ceramic Teflon® Treatment (CT<sup>2</sup>)  
10 speed - CSA+

Teeth :  
Outer : 48-50-51-52-53 T  
Inner : 38-39-40-42-44 T  
Inner (for triple) : 30 T  
CT<sup>2</sup> finish (black)

√ 80-37 grs

OTHERS FINISH IN STOCK  
SEE BOARD PAGE 20/21

## Type 130-S/TT

PCD 130 mm  
7075-T6 CT<sup>2</sup>  
4mm thickness  
Aerodynamic and stiff (+20 %)  
10 speed - CSA+  
51-52-53-54-55 T  
CT<sup>2</sup> finish (black)

√ 137 grs



# Type 110-S



Compatibility-material :  
PCD 110 mm for double or PCD 110-74 mm for triple  
7075-T6 Ceramic Teflon® Treatment (CT<sup>2</sup>)  
10 speed - CSA+

Double & compact teeth :  
Outer : 46-48-49-50-51-52 T  
Inner : 34-36-38-39-40-42 T  
Inner for triple : 30 T  
CT<sup>2</sup> finish (black)

√ 80 grs - 37 grs

OTHERS FINISH IN STOCK  
SEE BOARD PAGE 20/21

## Type 110-S/TT

PCD 110 mm  
7075-T6 - CT<sup>2</sup>  
4mm thickness  
Aerodynamic and stiff (+20 %)  
10 speed - CSA+  
48-50-51-52-53-54 T  
CT<sup>2</sup> finish (black)

√ 136 grs



# TYPE "Campa"

## Type 135



PCD 135 mm for double & PCD 135/74 mm for triple  
7075-T6 Ceramic Teflon® Treatment (CT²)  
10 speed - CSA+

Teeth :

Outer : 50-51-52-53 T

Inner : 39-40-42-44 T

Inner for triple : 30 T

CT² finish (black)

✓ 85 - 37 grs



**100% COMPATIBLE  
CAMPAGNOLO® \***

\*OTHERS FINISH IN STOCK  
SEE BOARD PAGE 20/21

## Type 110

PCD 110 mm for double  
7075-T6 Ceramic Teflon® Treatment (CT²)  
10 speed - CSA+

Teeth :

Outer : 48-50-51-52-53 T

Inner : 34-36-39 T

CT² finish (black)

✓ 88 - 34 grs



## Type TK



### Type 130 TK

for track's cranksets  
PCD 130 mm :  
1" 1/8 road racing  
High stiffness & aero-  
dynamic  
7075-T6 black or silver  
anodized  
46 to 53 T

### Type 144 TK

for track's crankset  
PCD 144 mm :  
1" 1/8 road racing  
High stiffness & aero-  
dynamic  
7075-T6 black or silver  
anodized  
46 to 52 T

## Type 94



### Type 94 OX (5 arms)

For Oxale TWO :  
7075-T6 black or silver  
anodized  
9 speed - CSA+

Teeth :

44-29 T

Black finish

### Type 94 MS (4 arms)

For MS-X2 :  
7075-T6 Ceramic Teflon® Treatment (CT²)  
9 speed - CSA+

Teeth :

44-29 T

CT² finish (black)



## MTB : MS comp XTR 07



100% compatible  
Shimano XTR 07

For XTR 2007 (Shimano® &  
Meister Stk (Stronglight))

Finish :  
CT<sup>2</sup> (black)

Material/conception :  
7075-T6 CNC  
9 speed  
44 T chain ring (5mm thickness)  
CSA anti "chain suck" indexation

√ 85 grs - 40 grs - 23 grs

Teeth :  
44-32-22 T  
PCD : 104 - 104-64 mm

## MTB : MS comp XTR 05/06

For XTR 2005/06

Finish :  
CT<sup>2</sup> (black)

Material/conception :  
7075-T6 CNC - CT<sup>2</sup>  
9 speed  
CSA anti "chain suck" indexation

√ 77 grs - 31 grs - 21 grs

Teeth :  
44-32-22 T  
PCD: 146 - 102-64 mm

100% compatible  
Shimano XTR 05/06



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## MTB 104/64 mm



Material/conception :  
7075-T6 CNC  
9 speed  
CSA anti "chain suck"  
indexation

Inner :  
22-24 T (steel)

Finish :  
see board page 20-21

Size :  
104/64 mm (4 arms)  
Outer:  
44 to 46 T  
Middle :  
32 to 34 T

√ 65 grs - 40 grs - 39 grs

## MTB 94/58 mm

Material/Conception :  
7075-T6 CNC  
9 speed  
CSA anti "chain suck" index-  
ation

Inner :  
20 to 24 T (steel)  
Finish :  
see board page 20-21

Size :  
94/58 mm (5 arms)  
Outer :  
40 to 46 T  
Middle :  
29 to 36 T

√ 93 grs - 50 grs - 42 grs



## TWISTER SL & TWISTER



### Material/conception :

Aluminium body  
Black anodized cups  
Mounted with double annular bearings

### Size :

Lg 108/113/118 mm  
68 mm & 70 mm frame boxes  
(BSC/ITAL)

### Standard :

ISIS DRIVE (M15 screw)

- TITANIUM hollow axle (TA6V - GR5) :

TWISTER SL (picture) model

- STAINLESS hollow axle (X30CR13) :

TWISTER model

✓ 180 grs (titanium axle)

✓ 250 grs (stainless axle)

## JP MAX

### Material/conception :

"gold" cups and body  
anodized  
Mounted with annular bearings  
Steel hollow axle



### Standard :

ISIS DRIVE (M15 screw)

✓ 205 grs

### Size :

Lg 108/113/118 mm  
68 mm & 70 mm frame boxes  
(BSC/ITAL)



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## JP 400



### Material/conception :

Steel monobloc body  
Aluminium cups (JP 400 Alu)  
& steel (JP 400 steel)  
Hollow steel axle

### Lg "steel"

110/113/115/119/122/127/  
131 mm  
68 mm frame box (BSC)

### Size :

Lg "alu"  
107/110/113/115/119/122  
mm  
68 mm & 70 mm frame boxes

✓ 372 grs

### Standard :

Conical square "JIS" (M8 screw)

✓ 280 grs

## JP TRACK

### BB Special Track



### Material/conception :

Aluminium cups  
Titanium "over size" hollow axle  
Double row ceramic ball bearings

### Size :

107 mm  
68 mm frame box (BSC)

✓ 148 grs



CRANKSET	STANDARD	AXLE length		BB set	CHAIN LINE	
ROAD		double	triple		double	triple
X-WING	BB30			AL BB	43,5 mm	45 mm
	Activ Link			AL BB		
HELION	BB30			AL BB	43,5 mm	45 mm
	Activ Link	-	-	AL BB		
FISSION	BB30	-	-	AL BB	43,5 mm	45 mm
	Activ Link	-	-	AL BB		
	ISIS	108 mm	118 mm	Twister		
Z'LIGHT	Activ Link	-	-	AL BB	43,5 mm	45 mm
	ISIS	108 mm	118 mm	Twister		
DUO LIGHT	JIS	108 mm	118 mm	JP 400	43,5 mm	45 mm
IMPACT	Activ Link	-	-	AL BB	43,5 mm	45 mm
	JIS	107 mm	115 mm	JP 400		
SPEEDLIGHT	ISIS	108 mm	118 mm	JP MAX	43,5 mm	45 mm
	JIS	103 mm	111 mm	JP SBB		
MYGAL	JIS	107 mm	115 mm	JP 400	43,5 mm	45 mm
CITY		simple			simple	
IMPACT "R"	JIS	127 mm		JP 400	Rohloff : 55 mm	
IMPACT "S"	JIS	118 mm		JP 400	45 mm	
55S	JIS	115 mm		JP 400	45 mm	
SL32	JIS	131 mm		JP 400	45 mm	
TWIN	JIS	122 mm		JP 400	45 mm	
CITY STRONG	JIS	122 mm		JP 400	45 mm	
EARTH	JIS	122 mm		JP 400	45 mm	
OXITY	JIS	131 mm		JP 400	45 mm	
TRACK		simple			simple	
Z'LIGHT TRACK	Activ Link	-		AL BB	42 mm	
TRACK 2000	JIS	107 mm		JP Track	42 mm	
MTB		double	triple		double	triple
MS-2x9	ISIS	118/113 mm	-	JP Max	48/50 mm	-
OXALE TWO	ISIS	118/113 mm	-	JP Max	48/50 mm	-
MS-X0	Activ Link	-	-	AL BB	-	47,5 mm
MS-X1	Activ Link	-	-	AL BB	-	47,5 mm
MAGMA	Activ Link	-	-	AL BB	-	47,5 mm
	ISIS	-	113 mm	JP Max	-	47,5 mm
OXALE	Activ Link	-	-	AL BB	-	47,5 mm
	ISIS	-	113 mm	JP Max	-	47,5 mm
SUCCESS	JIS	-	113 mm	JP 400	-	47,5 mm
TANDEM		double	triple		double	triple
OXALE	ISIS	-	113 mm	JP MAX	-	47,5 mm
Z'LIGHT	ISIS	-	118 mm	JP MAX	-	45 mm
DUO LIGHT	ISIS	-	118 mm	JP MAX	-	45 mm
IMPACT	JIS	-	115 mm	JP 400	-	45 mm
MYGAL	JIS	-	115 mm	JP 400	-	45 mm
SPEEDLIGHT	JIS	-	111 mm	JP SBB	-	45 mm

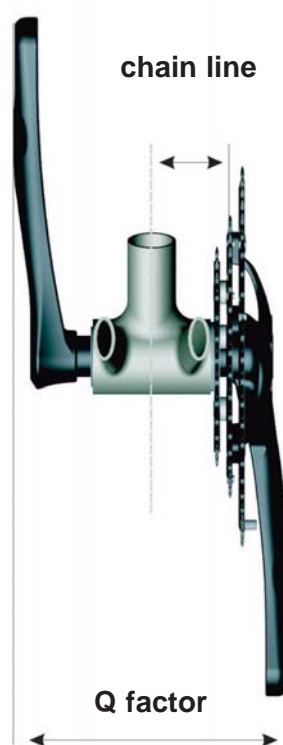
Double

chain line

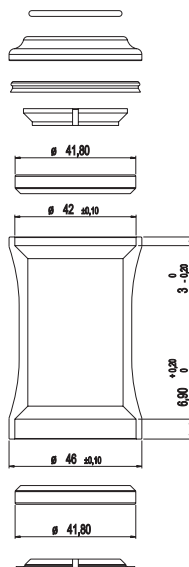


Triple

chain line



## LIGHT'IN gold



**Material/conception :**  
 7075 CNC Aluminium  
 Ceramic Ti high performance bearings  
 (Ceramic Bearing Concept)  
 100% integrated

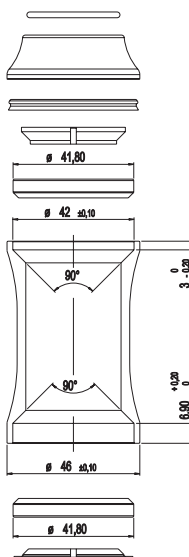
**Size :**  
 1" 1/8  
 45° x 45° angular contact

**Finish :**  
 Black

✓ 88 grs

See board page 31

## LIGHT'IN Ca



**Material/conception :**  
 7075 CNC Aluminium + carbon top cap  
 Annular bearings  
 100% integrated

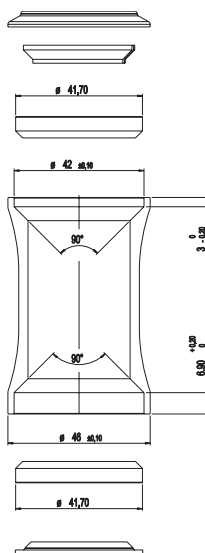
**Size :**  
 1" 1/8  
 45° x 45° angular contact

**Finish :**  
 Carbon top cap

✓ 90 grs

See board page 31

## LIGHT'IN St



**Material/conception :**  
 Steel  
 Cartridge

**Size :**  
 1" 1/8  
 45° x 45° angular contact

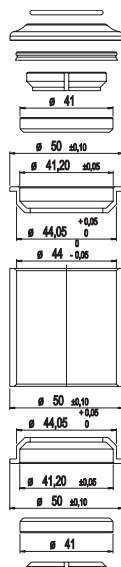
**Finish :**  
 Black

✓ 98 grs

See board page 31



## RAZ GOLD



**Material/conception :**  
7075 CNC Aluminium  
Annular bearings

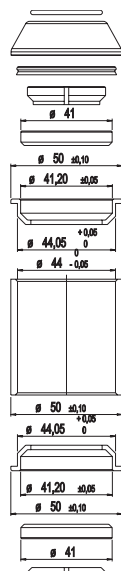
**Size :**  
1" 1/8

**Finish :**  
Black

√ 110 grs

See board page 31

## RAZ Ca



**Material/conception :**  
7075 CNC Aluminium + carbon top cap  
Annular bearings  
Semi integrated

**Size :**  
1"1/8

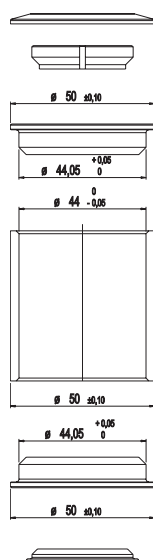
**Finish :**  
Carbon higher top cap

√ 112 grs

see board page 31

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## RAZ St



**Material/conception :**  
Steel  
Cartridges

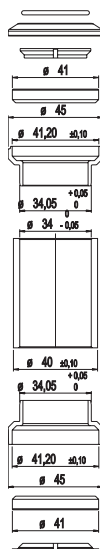
**Size :**  
1"1/8  
45° x 45° angular contact

**Finish :**  
Black

√ 98 grs

see board page 31

## O'LIGHT Lx



**Material/conception :**  
7075 CNC Aluminium  
Annular bearings

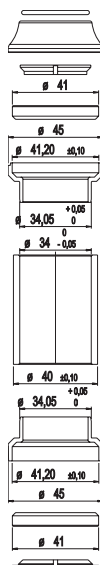
**Size :**  
1"1/8

**Finish:**  
Black

✓ 113 grs

see board page 31

## O'LIGHT R



**Material/conception :**  
7075 CNC Aluminium  
Annular bearings  
Higher top cap  
Ergonomy / Rigidity

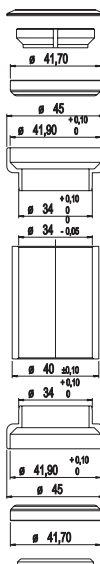
**Size :**  
1"1/8

**Finish :**  
Black

✓ 120 grs

see board page 31

## O'LIGHT ST



**Material/conception :**  
Steel  
Cartridges

**Size :**  
1"1/8

**Finish :**  
Black

✓ 183 grs

see board page 31

Models		CONCEPT		DIMENSIONS OF FRAME'S HEAD TUBE					bearings	Stack height
		TECHNOLOGY		Ø EXT.	Tolerance	Ø INT.	Tolerance	Angular contact		
Light'in "Gold"	1" 1/8	Integrated	100% integrated	46 mm	± 0,1 mm	42 mm	± 0,1 mm	45°	Ceramic	10,3 mm
light'in "Ca"	1" 1/8	Integrated	100% integrated	46 mm	± 0,1 mm	42 mm	± 0,1 mm	45°	Sealed bearing	17 mm
light'in "Ca"	1"1/4 - 1/8	Integrated	100% integrated	52 mm	± 0,1 mm	47 mm	± 0,1 mm	45°	Sealed bearing	17 mm
light'in "Si"	1" 1/8	Integrated	100% integrated	46 mm	± 0,1 mm	42 mm	± 0,1 mm	45°	Cups cartridge	7 mm
RAZ "Gold"	1" 1/8	Semi integrated	Integrated cups	50 mm	± 0,1 mm	44 mm	0/-0,05	-	Ceramic	12,9 mm
RAZ "Ca"	1" 1/8	Semi integrated	Integrated cups	50 mm	± 0,1 mm	44 mm	0/-0,05	-	Sealed bearing	18 mm
RAZ "Si"	1" 1/8	Semi integrated	Integrated cups	50 mm	± 0,1 mm	44 mm	0/-0,05	-	Cups cartridge	9 mm
O'light "Lx"	1" 1/8	Cups	Aheadset	40 mm	± 0,1 mm	34 mm	0/-0,05	-	Sealed bearing	26 mm
O'light "R"	1" 1/8	Cups	Aheadset	40 mm	± 0,1 mm	34 mm	0/-0,05	-	Cartridge	35 mm
O'light "Si"	1" 1/8	Cups	Aheadset	40 mm	± 0,1 mm	34 mm	0/-0,05	-	Cartridge	27,5 mm
A9	1"	Cups	Thread	35 mm	± 0,1 mm	30,2 mm	0/-0,05	-	Needle bearings	38 mm
A9 "Si"	1"	Cups	Thread	35 mm	± 0,1 mm	30,2 mm	0/-0,05	-	Balls bearings	39,4 mm



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