



# RESERVING TENSION

***cnSPOKE***

**ELITE SPOKES →****X-TECH**

|               |    |
|---------------|----|
| X-TECH AERO   | 04 |
| X-TECH BUTTED | 06 |

|                 |    |
|-----------------|----|
| TITANIUM SPOKES | 08 |
|-----------------|----|

|                       |    |
|-----------------------|----|
| CARBON & ALLOY SPOKES | 10 |
|-----------------------|----|

**AERO SPOKES**

|            |    |
|------------|----|
| AERO EXTRA | 12 |
| AERO T     | 14 |
| AERO       | 16 |

**BUTTED SPOKES**

|               |    |
|---------------|----|
| TRIPLE BUTTED | 18 |
| DOUBLE BUTTED | 20 |
| SINGLE BUTTED | 22 |

|                    |    |
|--------------------|----|
| PLAIN GAUGE SPOKES | 24 |
|--------------------|----|

**STANDARD SPOKES →**

|                      |    |
|----------------------|----|
| REINFORCED XT SPOKES | 26 |
|----------------------|----|

|                    |    |
|--------------------|----|
| PLAIN GAUGE SPOKES | 28 |
|--------------------|----|

|                   |    |
|-------------------|----|
| HEAVY DUTY SPOKES | 30 |
|-------------------|----|

**FOR MOTORCYCLE →**

|              |    |
|--------------|----|
| MOTOR SPOKES | 32 |
|--------------|----|

**FOR E-BIKE →**

|                   |    |
|-------------------|----|
| SPOKES FOR E-BIKE | 34 |
|-------------------|----|

**NIPPLES →**

|                  |    |
|------------------|----|
| STANDARD NIPPLES | 38 |
|------------------|----|

|                   |    |
|-------------------|----|
| SOLID LOCK NIPPLE | 40 |
|-------------------|----|

|                          |    |
|--------------------------|----|
| OFFSET CORRECTION NIPPLE | 41 |
|--------------------------|----|

|                    |    |
|--------------------|----|
| FUNCTIONAL NIPPLES | 42 |
|--------------------|----|

**TOOLS & ACCESSORIES →**

|            |    |
|------------|----|
| HAND TOOLS | 44 |
|------------|----|

|             |    |
|-------------|----|
| SPOKE TIGHT | 45 |
|-------------|----|

|                |    |
|----------------|----|
| TENSION GAUGES | 46 |
|----------------|----|

**TECH & SERVICES →**

|               |    |
|---------------|----|
| SPOKE OPTIONS | 36 |
|---------------|----|

|                   |    |
|-------------------|----|
| PRODUCT PACKAGING | 47 |
|-------------------|----|

**cnSPOKE**

With over 50 years of experience in metal processing, we specialize in the production of spokes and nipples, delivering exceptional quality that has earned us the trust of top global brands.

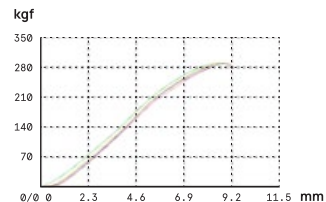


mac

BOTH ELASTICITY AND RIGIDNESS GROW  
THE SAME DIRECTION ON X-TECH SERIES

# X-Tech Aero Spokes

Double Forged, Multi Processed  
and Super Light.



**XTA 424**  
MAX TENSION 2.800N



ROAD • FIXIE • TRI

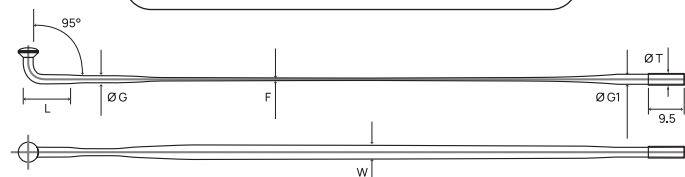


NORMAL • AERO • TYPE 2.6



CARBON

## MODELS AND SPECIFICATIONS



| MODEL                                     | WEIGHT | GAUGE<br>(mm) | L<br>(mm) | ØG<br>(mm) | F<br>(mm) | W<br>(mm) | ØG1<br>(mm) | ØT<br>(mm) |
|-------------------------------------------|--------|---------------|-----------|------------|-----------|-----------|-------------|------------|
| NORM HUBS   Weight based on 260mm length. |        |               |           |            |           |           |             |            |
| XTA 360                                   | 3.63g  | 14/N/14       | 6.0       | 2.0        | 0.9       | 2.0       | 2.0         | 2.0        |
| XTA 424                                   | 4.23g  | 14/20/14      | 6.0       | 2.0        | 0.9       | 2.2       | 2.0         | 2.0        |
| XTA 416                                   | 4.68g  | 14/N/14       | 6.0       | 2.0        | 1.0       | 2.2       | 2.0         | 2.0        |



• Straight Pull  
• T-Head  
• J Bend



XDBLACK  
SILVER



• Pad Print  
• Carbon Pat-  
tern



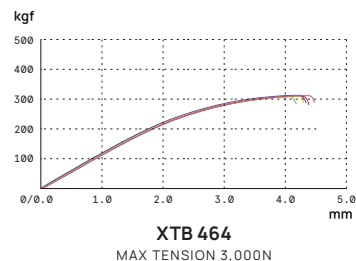
• Lock Seal

mac

BOTH ELASTICITY AND RIGIDNESS GROW  
THE SAME DIRECTION ON X-TECH SERIES

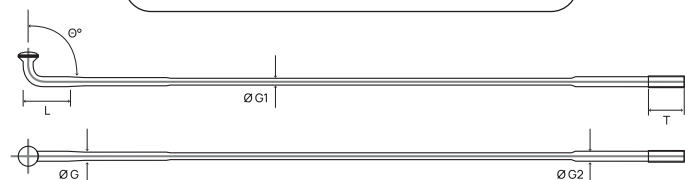
# X-Tech Butted Spokes

Super Elastic and  
+30% Tension.



- ROAD • FIXIE • MTB
- NORMAL
- CARBON • ALLOY

## MODELS AND SPECIFICATIONS



| MODEL                                       | WEIGHT | GAUGE<br>(mm) | Ø° | L<br>(mm) | ØG<br>(mm) | ØG1<br>(mm) | ØG2<br>(mm) | T<br>(mm) |
|---------------------------------------------|--------|---------------|----|-----------|------------|-------------|-------------|-----------|
| NORMAL HUBS   Weight based on 260mm length. |        |               |    |           |            |             |             |           |
| XTB 474                                     | 4.10g  | 14/17/14      | 95 | 6.0       | 2.0        | 1.5         | 2.0         | 9.5       |
| XTB 464                                     | 4.51g  | 14/16/14      | 95 | 6.0       | 2.0        | 1.6         | 2.0         | 9.5       |



- Straight Pull
- T-Head
- J Bend



- XDBLACK
- SILVER



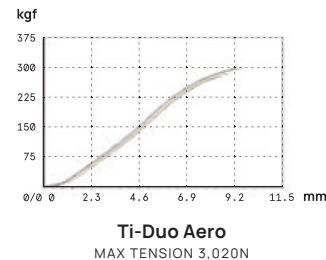
- Pad Print
- Carbon Pattern



- Lock Seal
- SLT

# Titanium Ti-805 Spokes

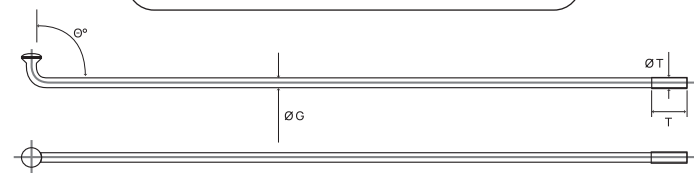
Feather Light, Super Flexible and Extra Fatigue Cycle.



## THE ELITE SPOKE SERIES

The mac series is crafted using our most advanced technology, incorporating high-quality materials and precise engineering for superior performance.

### MODELS AND SPECIFICATIONS



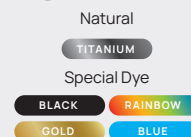
| MODEL                                      | WEIGHT | GAUGE (mm) | Ø° | ØG (mm)   | T (mm) | ØT (mm) |
|--------------------------------------------|--------|------------|----|-----------|--------|---------|
| PLAIN GAUGE<br><b>m</b> Ti-14C             | 3.70g  | 14         | 95 | 2.0       | 9.5    | 2.0     |
| AERO<br><b>m</b> Ti-Aero                   | 3.63g  | 14/19      | 95 | 2.0       | 9.5    | 2.0     |
| DOUBLE BUTTED AERO<br><b>m</b> Ti-Duo Aero | 2.75g  | 14/N       | 95 | 2.0 - 2.3 | 9.5    | 2.0     |
| DOUBLE BUTTED<br><b>m</b> Ti-Duo           | 2.80g  | 14/N       | 95 | 2.0 - 1.7 | 9.5    | 2.0     |

• Ti-14C weight based on 260mm length. Hub holes fits Regular. • Ti-Aero weight based on 260mm length. Hub holes fits Key Chain, Slot and SP. • Ti-Duo Aero weight based on 260mm length. Hub holes fits Regular. • Ti-Duo weight based on 260mm length. Hub holes fits Regular.

#### HEAD OPTIONS

- Straight Pull
- T-Head
- TCS
- J Bent

#### COLOR OPTIONS



#### ADDITIONALS

- Printing
- Carbon Pattern
- Lock Seal  
Ionized Finish

mac

# Carbon & Alloy Spokes

Customize Spokes only. Just  
give us the specification and  
we will finalize the rest.



HEAD OPTIONS



THREAD OPTIONS



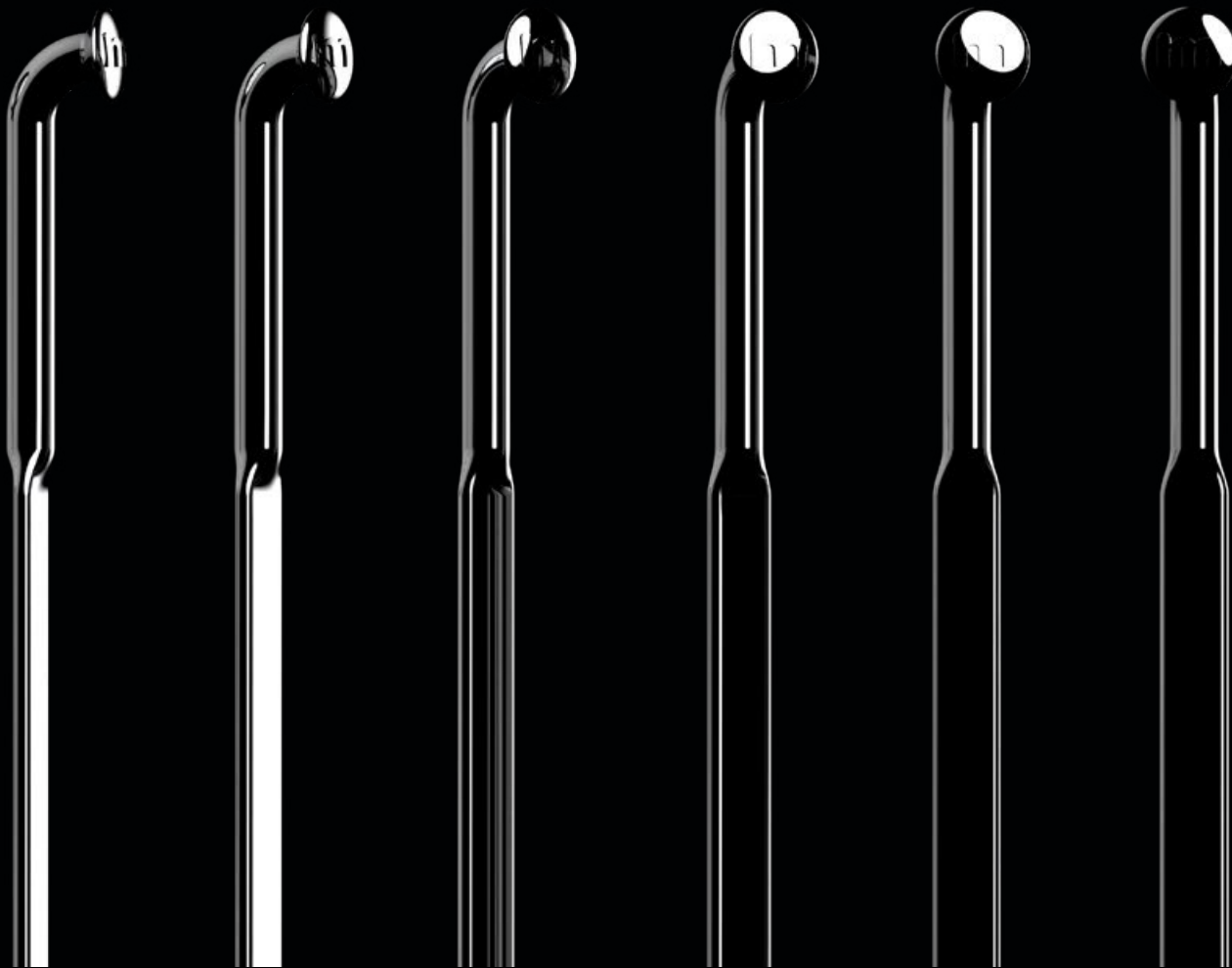
REINFORCE OPTIONS



FINISHING OPTIONS



COLOR OPTIONS

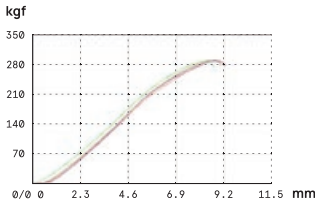


mac

REINFORCED

# Aero Extra Spokes

Double Forged, Multi Processed,  
Super Light.



**Aero 424**  
MAX TENSION 2.800N



ROAD • FIXIE • TRI

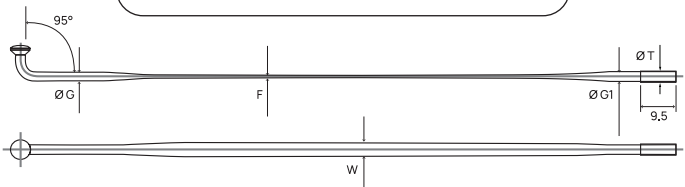


NORMAL • AERO • TYPE 2.6



CARBON

## MODELS AND SPECIFICATIONS



| MODEL         | WEIGHT | GAUGE<br>(mm)                 | ØG<br>(mm)                    | F<br>(mm) | W<br>(mm) | ØG1<br>(mm) | ØT<br>(mm) |
|---------------|--------|-------------------------------|-------------------------------|-----------|-----------|-------------|------------|
| NORMAL HUBS   |        | Weight based on 260mm length. |                               |           |           |             |            |
| Aero 330      | 3.33g  | 14/N/14                       | 2.0                           | 0.9       | 1.8       | 2.0         | 2.0        |
| Aero 360      | 3.61g  | 14/N/14                       | 2.0                           | 0.9       | 2.0       | 2.0         | 2.0        |
| Aero 424      | 4.20g  | 14/20/14                      | 2.0                           | 0.9       | 2.2       | 2.0         | 2.0        |
| Aero 416      | 4.65g  | 14/N/14                       | 2.0                           | 1.0       | 2.2       | 2.0         | 2.0        |
| Aero 417      | 5.14g  | 14/N/14                       | 2.0                           | 1.1       | 2.2       | 2.0         | 2.0        |
| Aero 418      | 5.60g  | 14/N/14                       | 2.0                           | 1.2       | 2.2       | 2.0         | 2.0        |
| Aero 565      | 4.35g  | 15/N/15                       | 1.8                           | 1.0       | 2.2       | 1.8         | 1.8        |
| Bravo 374     | 6.56g  | 13/N/14                       | 2.3                           | 1.5       | 2.3       | 2.0         | 2.0        |
| AERO HUBS     |        | KeyChain, Slot, SP            | Weight based on 260mm length. |           |           |             |            |
| Bravo 394     | 6.54g  | 13/N/14                       | 2.3                           | 1.2       | 3.0       | 2.0         | 2.0        |
| TYPE 2.6 HUBS |        | Weight based on 260mm length. |                               |           |           |             |            |
| Aries 384     | 5.55g  | 13/18/14                      | 2.3                           | 1.2       | 2.5       | 2.0         | 2.0        |



• Straight Pull  
• T-Head  
• J Bend



XDBLACK  
SILVER



• Pad Print  
• Carbon Pattern

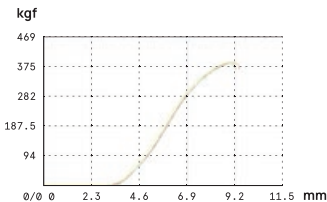


• Lock Seal  
• SLT

**mac** REINFORCED

# Aero T Spokes

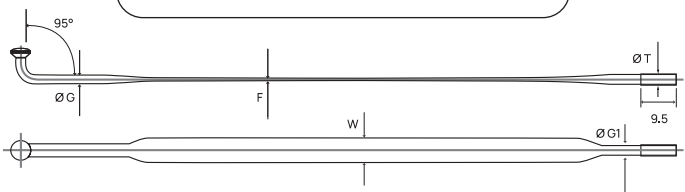
Super Wide, Wind Dynamic,  
+30% Tension



**Aero 394T**  
MAX TENSION 3,750N

- ROAD • FIXIE • TRACK
- AERO
- CARBON

## MODELS AND SPECIFICATIONS



| MODEL                                                          | WEIGHT | GAUGE<br>(mm) | ØG<br>(mm) | F<br>(mm) | W<br>(mm) | ØG1<br>(mm) | ØT<br>(mm) |
|----------------------------------------------------------------|--------|---------------|------------|-----------|-----------|-------------|------------|
| AERO HUBS   KeyChain, Slot, SP   Weight based on 260mm length. |        |               |            |           |           |             |            |
| Aero 394T                                                      | 8.48g  | 13/19/14      | 2.3        | 1.1       | 5.0       | 2.0         | 2.0        |
| Aero 384T                                                      | 8.51g  | 13/18/14      | 2.3        | 1.3       | 4.3       | 2.0         | 2.0        |
| Aero 374T                                                      | 8.55g  | 13/17/14      | 2.3        | 1.4       | 3.2       | 2.0         | 2.0        |

- Straight Pull
- T-Head
- TCS
- J Bend

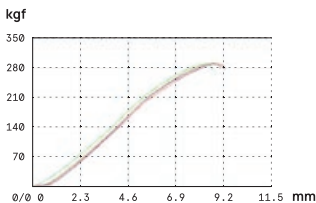
XDBLACK  
SILVER

- Pad Print
- Carbon Pattern

- Lock Seal

# Aero Spokes

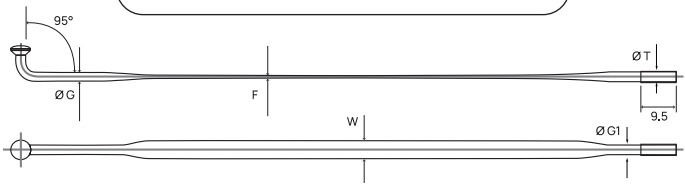
Wind Dynamic, Versatile.



**Aero 494**  
MAX TENSION 2,900N

- ROAD • FIXIE • MTB
- AERO
- CARBON • ALLOY

MODELS AND SPECIFICATIONS



| MODEL                                                                                        | WEIGHT                        | GAUGE<br>(mm)                 | ØG<br>(mm) | F<br>(mm) | W<br>(mm) | ØG1<br>(mm) | ØT<br>(mm) |
|----------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|------------|-----------|-----------|-------------|------------|
| AERO HUBS                                                                                    | KeyChain, Slot, SP            | Weight based on 260mm length. |            |           |           |             |            |
|  Aero 494   | 6.5g                          | 14/19/14                      | 2.0        | 1.2       | 3.0       | 2.0         | 2.0        |
|  Aero 494C  | 6.5g                          | 14/19/14                      | 2.0        | 1.1       | 3.5       | 2.0         | 2.0        |
|  Aero 373   | 8.6g                          | 13/17/13                      | 2.3        | 1.5       | 3.2       | 2.3         | 2.3        |
|  Aero 383 | 8.6g                          | 13/18/13                      | 2.3        | 1.3       | 4.3       | 2.3         | 2.3        |
|  Aero 393 | 8.6g                          | 13/19/13                      | 2.3        | 1.1       | 5.0       | 2.3         | 2.3        |
|  Aero 595 | 5.4g                          | 15/19/15                      | 1.8        | 1.0       | 3.0       | 1.8         | 1.8        |
| NORMAL HUBS                                                                                  | Weight based on 260mm length. |                               |            |           |           |             |            |
|  Aero 585 | 5.4g                          | 15/18/15                      | 1.8        | 1.2       | 2.3       | 1.8         | 1.8        |
|  Aero 474 | 6.5g                          | 14/17/14                      | 2.0        | 1.5       | 2.3       | 2.0         | 2.0        |

- Straight Pull
- T-Head
- J Bend

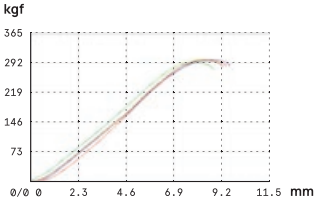
- XDBLACK
- SILVER

- Pad Print
- Carbon Pattern

- Lock Seal
- SLT

# Triple Butted Spokes

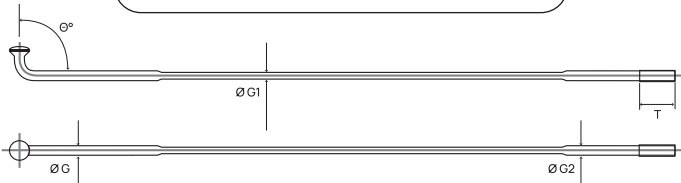
Durability, Reliability.



**TB 354**  
MAX TENSION 2,920N

- TANDEM • E-BIKE
- NORMAL
- ALLOY

MODELS AND SPECIFICATIONS



| MODEL                                       | WEIGHT | GAUGE<br>(mm) | Ø° | ØG<br>(mm) | ØG1<br>(mm) | ØG2<br>(mm) | T<br>(mm) |
|---------------------------------------------|--------|---------------|----|------------|-------------|-------------|-----------|
| NORMAL HUBS   Weight based on 260mm length. |        |               |    |            |             |             |           |
| TB 475                                      | 4.10g  | 14/17/15      | 95 | 2.0        | 1.5         | 1.8         | 9.5       |
| TB 405                                      | 4.95g  | 14/N/15       | 95 | 2.0        | 1.7         | 1.8         | 9.5       |
| TB 354                                      | 5.56g  | 13/15/14      | 95 | 2.3        | 1.8         | 2.0         | 9.5       |
| TB 304                                      | 5.2g   | 13/N/14       | 95 | 2.3        | 1.7         | 2.0         | 9.5       |



- Straight Pull
- T-Head
- J Bend



XDBLACK

SILVER



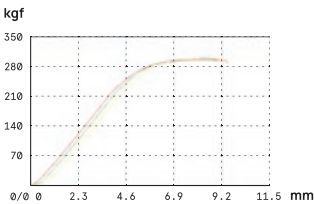
- Pad Print
- Carbon Pattern



- Lock Seal
- SLT

# Double Butted Spokes

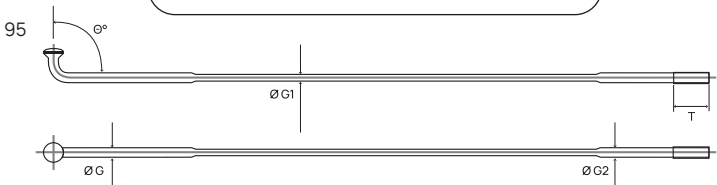
Super Elastic, Light Weight,  
+30% Tension.



**DB 454**  
MAX TENSION 2,920N

- ROAD • FIXIE • MTB
- NORMAL
- CARBON • ALLOY

MODELS AND SPECIFICATIONS



| MODEL                                       | WEIGHT | GAUGE<br>(mm) | Ø° | ØG<br>(mm) | ØG1<br>(mm) | ØG2<br>(mm) | T<br>(mm) |
|---------------------------------------------|--------|---------------|----|------------|-------------|-------------|-----------|
| NORMAL HUBS   Weight based on 260mm length. |        |               |    |            |             |             |           |
| DB 474                                      | 4.20g  | 14/17/14      | 95 | 2.0        | 1.5         | 2.0         | 9.5       |
| DB 464                                      | 4.65g  | 14/16/14      | 95 | 2.0        | 1.6         | 2.0         | 9.5       |
| DB 404                                      | 5.15g  | 14/N/14       | 95 | 2.0        | 1.7         | 2.0         | 9.5       |
| DB 454                                      | 5.60g  | 14/15/14      | 95 | 2.0        | 1.8         | 2.0         | 9.5       |
| DB 545                                      | 3.75g  | 15/N/15       | 95 | 1.8        | 1.4         | 1.8         | 9.5       |
| DB 565                                      | 4.35g  | 15/16/15      | 95 | 1.8        | 1.6         | 1.8         | 9.5       |



- Straight Pull
- T-Head
- J Bend



XDBLACK  
SILVER

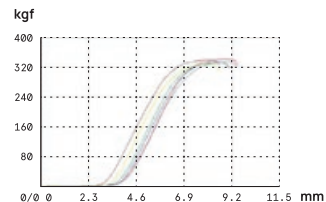


- Pad Print
- Carbon Pattern



- Lock Seal
- SLT

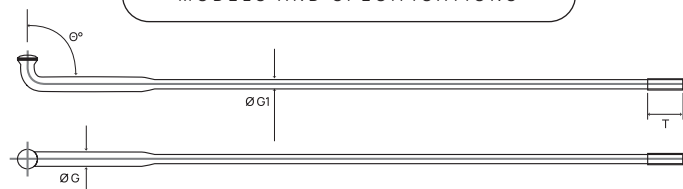
# Single Butted Spokes



**OP 344**  
MAX TENSION 3,300N

- DOWNHILL • DIRT • BMX
- NORMAL
- ALLOY

## MODELS AND SPECIFICATIONS



| MODEL                                       | WEIGHT | GAUGE<br>(mm) | θ° | ØG<br>(mm) | ØG1<br>(mm) | T<br>(mm) |
|---------------------------------------------|--------|---------------|----|------------|-------------|-----------|
| NORMAL HUBS   Weight based on 260mm length. |        |               |    |            |             |           |
| OPTIME 455                                  | 5.48g  | 14/15/15      | 95 | 2.0        | 1.8         | 9.5       |
| OPTIME 344                                  | 6.57g  | 13/14/14      | 95 | 2.3        | 2.0         | 9.5       |

- Straight Pull
- T-Head
- J Bend

- XDBLACK
- SILVER

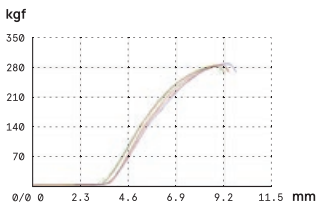
- Pad Print
- Carbon Pattern

- Lock Seal
- SLT

# Plain Gauge Spokes

Super Durable, Double Forged.

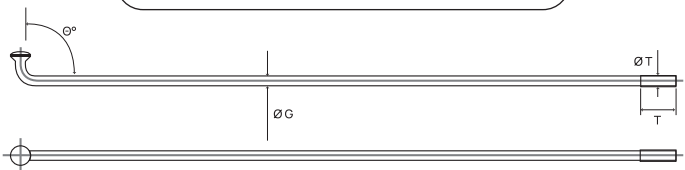
Adopting exotic highest-end stainless material to fulfill strength demanders. It is recommended for Mid-High end wheels and elite bikes.



**MAC 14**  
MAX TENSION 2.850N

- ROAD • FIXIE • MTB
- NORMAL
- CARBON • ALLOY

## MODELS AND SPECIFICATIONS



| MODEL  | WEIGHT | GAUGE (mm) | $\theta^\circ$ | $\text{OG}$ (mm) | T (mm) | $\text{OT}$ (mm) |
|--------|--------|------------|----------------|------------------|--------|------------------|
| MAC 14 | 6.6g   | 14         | 95             | 2.0              | 9.5    | 2.3              |
| MAC 13 | 8.7g   | 13         | 95             | 2.3              | 9.5    | 2.3              |
| MAC 15 | 5.45g  | 15         | 95             | 1.8              | 9.5    | 2.3              |

• Weight based on 260mm length. • Hub holes fit REGULAR.

• Straight Pull  
 • T-Head  
 • J Bend

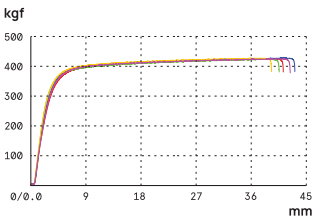
- XDBLACK
- SILVER
- ION COLORS
- PC COLORS

• Pad Print  
 • Carbon Pattern

• Lock Seal  
 • SLT

# Reinforced XT Spokes

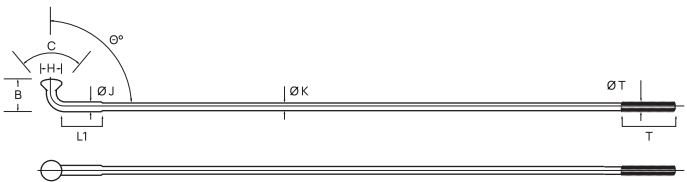
While 30% stronger tensile and similar weight is needed.



XT233  
MAX TENSION 4,193N

- BIKE • DOWHILL • LIGHT MOTOR
- NORMAL
- ALLOY • STEEL

## MODELS AND SPECIFICATIONS



| MODEL                                                | WEIGHT | GAUGE<br>(mm) | θ° | B<br>(mm) | C° | H<br>(mm) | L1<br>(mm) | ØJ<br>(mm) | ØK<br>(mm) | T<br>(mm) | ØT<br>(mm) |
|------------------------------------------------------|--------|---------------|----|-----------|----|-----------|------------|------------|------------|-----------|------------|
| Weight based on 260mm length. Hub holes fit REGULAR. |        |               |    |           |    |           |            |            |            |           |            |
| XT233                                                | 8.61g  | 13            | 95 | 7.0       | 90 | 4.5       | 6.0        | 2.5        | 2.3        | 9.5       | 2.0        |
| XT344                                                | 6.45g  | 14            | 95 | 6.8       | 90 | 3.9       | 6.0        | 2.2        | 2.0        | 9.5       | 2.0        |



- Straight Pull
- T-Head
- J Bend



XDBLACK  
SILVER

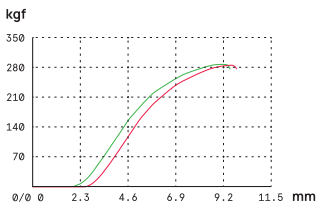


- Pad Print
- Carbon Pattern



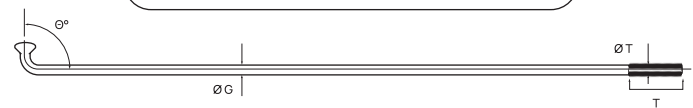
- Lock Seal

# Standard Plain Gauge Spokes



**STD 14C**  
MAX TENSION 2.800N

## MODELS AND SPECIFICATIONS



| MODEL                                                                  | WEIGHT | GAUGE<br>(mm) | θ°  | ØG<br>(mm) | T<br>(mm) | ØT<br>(mm) |
|------------------------------------------------------------------------|--------|---------------|-----|------------|-----------|------------|
| STAINLESS STEEL   Weight based on 260mm length. Hub holes fit REGULAR. |        |               |     |            |           |            |
| STD 14C                                                                | 6.45g  | 14            | 95  | 2.0        | 9.5       | 2.0        |
| STD 15C                                                                | 5.33g  | 15            | 95  | 1.8        | 9.5       | 1.8        |
| STD 13                                                                 | 8.61g  | 13            | 95  | 2.3        | 9.5       | 2.3        |
| STD 12                                                                 | 10.74g | 12            | 100 | 2.6        | 9.5       | 2.6        |
| UCP STEEL   Weight based on 260mm length. Hub holes fit REGULAR.       |        |               |     |            |           |            |
| UCP 14C                                                                | 6.70g  | 14            | 95  | 2.0        | 9.5       | 2.0        |
| UCP 15C                                                                | 5.30g  | 15            | 95  | 1.8        | 9.5       | 1.8        |
| UCP 13                                                                 | 8.60g  | 13            | 95  | 2.3        | 9.5       | 2.3        |
| UCP 12                                                                 | 10.72g | 12            | 100 | 2.6        | 9.5       | 2.6        |

• J Bend

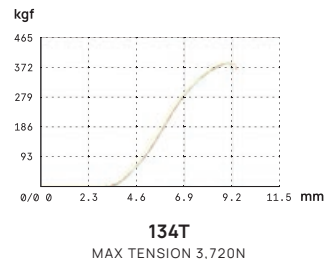
XDBLACK  
SILVER

• Pad Print  
• Carbon Pattern

• Lock Seal  
• SLT

# Heavy Duty Spokes

Heavy Duty Spokes are specially developed for E-Bikes, Carrier bikes that bear more than simply a rider.



- E-BIKE • CARRIER
- NORMAL
- ALLOY • STEEL



| MODEL | WEIGHT | GAUGE<br>(mm) | Ø° | ØG<br>(mm) | T<br>(mm) | ØT<br>(mm) |
|-------|--------|---------------|----|------------|-----------|------------|
| 134T  | 8.51g  | 13/14         | 95 | 2.3        | 9.5       | 2.0        |

• Weight based on 260mm length. • Hub holes fit REGULAR.

- Straight Pull
- T-Head
- J Bend
- XDBLACK
- SILVER
- Pad Print
- Carbon Pattern
- Lock Seal

FOR MOTORCYCLE

# Motor Spokes

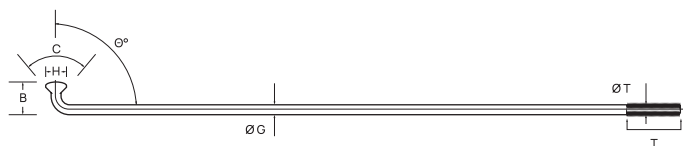
Special specs, elbow degrees and treatments available.

REVVING UP OUR EXPER-  
TISE FROM BICYCLE SPOKES  
TO MOTORCYCLE SPOKES.

## MODELS AND SPECIFICATIONS



| MODEL    | WEIGHT | GAUGE<br>(mm) | Ø°  | ØG<br>(mm) | MATERIAL      | MATCHING<br>NIPPLE, BRASS<br>OR STEEL |
|----------|--------|---------------|-----|------------|---------------|---------------------------------------|
| STANDARD |        |               |     |            |               |                                       |
| STD 11   | 10.7g  | 11            | 100 | 2.9        | Stainless 304 | 11G x 14mm                            |
| STD 12   | 9.61g  | 12            | 100 | 2.6        | Stainless 304 | 12G x 13mm                            |
| UCP 11   | 10.6g  | 11            | 100 | 2.9        | Zinc Steel    | 11G x 14mm                            |
| UCP 12   | 8.55g  | 12            | 100 | 2.6        | Zinc Steel    | 12G x 13mm                            |



| MODEL | Ø°  | B<br>(mm) | C    | H<br>(mm) | ØG<br>(mm) | T<br>(mm) | ØT<br>(mm) |
|-------|-----|-----------|------|-----------|------------|-----------|------------|
| 8G    | 90  | 12        | 105° | 7.7       | 3.95       | 15        | 4.0        |
| 9G    | 100 | 10.5      | 105° | 7.0       | 3.5        | 16        | 3.5        |
| 10G   | 100 | 9.5       | 105° | 6.5       | 3.2        | 15        | 3.2        |

FOR E-BIKE

# Unleash the Full Potential of Your E-Bike with our Spokes.

Embrace the E-Bike Revolution! As electric bicycles surge in popularity, we're proud to offer a diverse selection of spokes, meticulously designed to enhance your E-bike journey. Unlock peak performance and efficiency with our specialized spokes, perfectly tailored for E-bikes. Elevate your riding experience and explore our dedicated E-bike collection today. Discover the perfect balance of strength and flexibility, ensuring a smooth and electrifying ride.

**mac**

SINGLE BUTTED  
SPOKES

**OP 344**

→ PAGE. 23



REINFORCED  
XT SPOKES

**XT233  
XT344**

→ PAGE. 27



HEAVY DUTY  
SPOKES

**134T**

→ PAGE. 31



STANDARD  
PLAIN GAUGE  
SPOKES

**STD 13**

→ PAGE. 29



# SPOKE OPTIONS

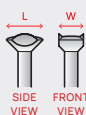


## HEAD OPTIONS



### Straight Pull

Round Headed, excellent general purpose spokes, good durability and strength. Eliminate weak point and faster wheel building.



### T-Head

Rectangular Headed of straight pull spokes.  
L: 4mm / W: 2.2mm (T2)  
or 3mm (T3)



### J Bend

Better force distribution.



## THREAD OPTIONS



### Lock Seal

Lock Seal Glue applied to thread to prevent turning loose.



SLT thread

### SLT

Self-Locking Thread, patent process of cnSPOKE. Section of thread where thread is shortened so excess material locks the opposite thread of nipples to prevent loose from turning.



## FINISHING OPTIONS



### Pad Printing

Custom graphic can be partially applied to spokes by pad printing.



### Carbon Pattern

Carbon graphic can be applied to full spoke by water transfer printing.



## REINFORCE PROCESS



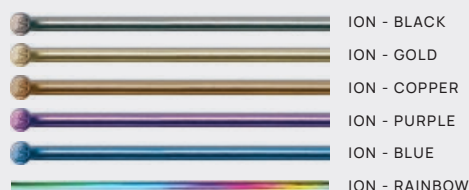
**MAC**  
represent the elite  
series of products  
from cnSPOKE.

From the Premium material adoption, State of the art drawing process, Heat treatment to the precise manufacturing production, MAC series take all high standards of processes. With the "m" logo on the products, it ensures the premium quality for customers.



## COLOR OPTIONS

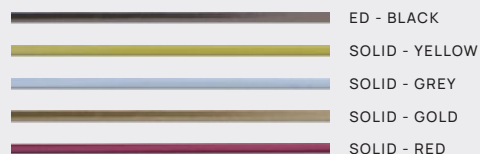
### ION Colors



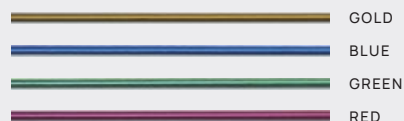
### PC Colors



### ED Colors



### ED Shiny Colors





cnSPOKE

# Standard Nipples

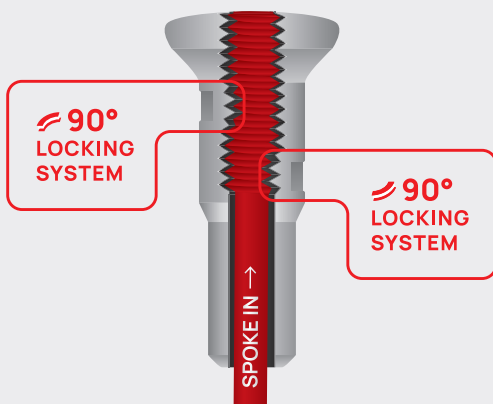


|                   |        | STEEL                                                                                 | BRASS                                                                                 | ALUMINUM                                                                              |                                                                                       |                                                                                       |
|-------------------|--------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Material Options  |        |                                                                                       | EMP BRASS<br>Lead-Free<br>ECO Friendly<br>CPSIA / REACH compliance                    |                                                                                       |                                                                                       |                                                                                       |
| 14G for 2.0 SPOKE |        |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| 12mm              | 1/2"   | -                                                                                     | CNC BN 12                                                                             | CNC AN 12                                                                             |                                                                                       |                                                                                       |
| 12mm              | 1/2"   | SN 12                                                                                 | BN 12                                                                                 | AN 12                                                                                 |                                                                                       |                                                                                       |
| 14mm              | 9/16"  | SN 14                                                                                 | BN 14                                                                                 | AN 14                                                                                 |                                                                                       |                                                                                       |
| 16mm              | 5/8"   | SN 16                                                                                 | BN 16                                                                                 | AN 16                                                                                 |                                                                                       |                                                                                       |
| 20mm              | 13/16" | SN 20                                                                                 | BN 20                                                                                 | AN 20                                                                                 |                                                                                       |                                                                                       |
| 25mm              | 1"     | -                                                                                     | BN 25                                                                                 | -                                                                                     |                                                                                       |                                                                                       |
| 13G for 2.3 SPOKE |        |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| 13mm              | 1/2"   | SN 13                                                                                 | BN 13                                                                                 | -                                                                                     |                                                                                       |                                                                                       |
| 16mm              | 5/8"   | SN 16                                                                                 | BN 16                                                                                 | -                                                                                     |                                                                                       |                                                                                       |
| 12G for 2.6 SPOKE |        |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| 13mm              | 1/2"   | SN 13                                                                                 | BN 13                                                                                 | -                                                                                     |                                                                                       |                                                                                       |
| 16mm              | 5/8"   | SN 16                                                                                 | BN 16                                                                                 | -                                                                                     |                                                                                       |                                                                                       |
| COLOR OPTIONS     |        |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Standard Colors   |        |                                                                                       |  | Ti-BLACK<br>HIGH-DENSITY COATING                                                      |                                                                                       |                                                                                       |
| Special Colors    | -      | ED COLORS                                                                             |                                                                                       | PA COLORS<br>Anodizing Process                                                        |                                                                                       |                                                                                       |
|                   |        |  |                                                                                       |  |  |  |
|                   |        | RED                                                                                   |                                                                                       | K-GOLD                                                                                | GOLD                                                                                  | ORANGE                                                                                |
|                   |        |  |                                                                                       |  |  |  |
|                   |        | PURPLE                                                                                |                                                                                       | RED                                                                                   | PINK                                                                                  | PURPLE                                                                                |
|                   |        |  |                                                                                       |  |  |  |
|                   |        | PINK                                                                                  |                                                                                       | BROWN                                                                                 | GREEN                                                                                 | ARMY GREEN                                                                            |
|                   |        |  |                                                                                       |  |  |  |
|                   |        | GREEN                                                                                 |                                                                                       | TURQUOISE MINT                                                                        | ROYAL BLUE                                                                            | BLUE                                                                                  |
|                   |        |  |                                                                                       |  |  |  |
|                   |        | BLUE                                                                                  |                                                                                       | LIGHT BLUE                                                                            | GREY                                                                                  | BLACK                                                                                 |
| Oil-Slick         | -      |  |                                                                                       |  |                                                                                       |                                                                                       |

# Solid Lock Nipples

Locking Threads – Durability

PATENTED NOW



## FEATURES



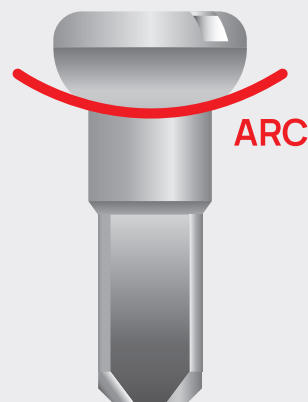
Introducing our revolutionary bicycle nipple! It features cutting-edge **anti-loose technology** for spokes, resists wheel assembly machine impacts, and offers extended lifespan and re-usability. **180 degree** surrounded **protection** embraces the engagement. Its anti-loose function is easily **identifiable**, and it delivers a 1.5kg torque for optimal performance. Upgrade your ride with this innovative addition!

↓ 14G for 2.0 SPOKE

| LENGTH | BRASS   | ALUMINUM |
|--------|---------|----------|
| 14mm   | SL14 BN | SL14 AN  |

\* Also Available on double square nipple- Model: AC16

# Offset Correction Nipples



- Keep Straight and release concentration force on spokes.
- Maintain precise tensile strength
- Good on machine or manual building.
- 7 degree of adjustment.

## OC Nipple

## Standard Nipple



Offset Correction Solution

Keep Straight Tension



Concentration of Force

↓ 14G for 2.0 SPOKE

| LENGTH | BRASS   |
|--------|---------|
| 14mm   | SL14 BN |

# Functional Nipples



## HI TORQUE NIPPLES

DOUBLE HEAD FOR EXTRA TENSION



| LENGTH ↓ | BRASS | ALUMINUM |
|----------|-------|----------|
| 16mm     | -     | TX 16 AN |
| 14.4mm   |       | T20 AN   |



## DOUBLE SQUARE NIPPLES

BEST CHOICE for WHEEL BUILDERS



| LENGTH ↓ | BRASS     | ALUMINUM  |
|----------|-----------|-----------|
| 14mm     | AC 144 BN | AC 144 AN |
| 16mm     | AC 16 BN  | AC 16 AN  |
| 18mm     | AC 18 BN  | AC 18 AN  |



## HEX HEAD NIPPLES



| LENGTH ↓ | BRASS     | ALUMINUM |
|----------|-----------|----------|
| 25mm     | HEX 25 BN | -        |



## EXTERNAL HEX NIPPLES



HR11



HEX 13 BN



HEX 14 STBN

| LENGTH ↓ | BRASS       | ALUMINUM  |
|----------|-------------|-----------|
| 11mm     | -           | HR 11     |
| 13mm     | HEX 13 BN   | HEX 13 AN |
| 14mm     | HEX 14 STBN |           |



## PROLONG NIPPLES

LONGER ENGAGE



PLN 14  
PLN HEX 14



## EXTERNAL HIDDEN NIPPLES



### RX-10

- Best for High Profile Rims
- Neat Lock.
- Concentrated Angle Reduction
- Hex Head for Higher Torque Application
- Option: Square Head available



## HIDDEN NIPPLES



| LENGTH ↓ | BRASS        | ALUMINUM     |
|----------|--------------|--------------|
| 7.5mm    | F-HEX 5.5 BN | -            |
| 8mm      | -            | F-HEX 4.7 AN |



## REVERT NIPPLES

HIGHER TORQUE



| LENGTH ↓ | BRASS  | ALUMINUM | LENGTH ↓ | BRASS  | ALUMINUM |
|----------|--------|----------|----------|--------|----------|
| 9mm      | R9 BN  | R9 AN    | 11mm     | *AOD   | P11 AN   |
| 10mm     | R10 BN | R10 AN   | 12mm     | R12 BN | *AOD     |

\*AOD = Available on Demand. Contact us for more information.



## WASHER

FOR NIPPLES / RIMS



|           | STAINLESS STEEL | ALLOY |
|-----------|-----------------|-------|
| Thickness | 0.35mm          | 0.7mm |

# Tools & Accessories

## NIPPLE WRENCH

WR3 / WR6



WR3



WR6

## CN4 NIPPLE DRIVERS



SLOTTED



HEX 3.2



HEX 4.7



HEX 5.5

## NIPPLE DRIVERS



SQ32

For 3.2mm Square Nipples



T2020

For Torque 20 Nipples

## NIPPLE HOLDER

NH-10

- Helps mounting nipples on rims and spokes.
- Length: 10cm
- Hetched handle for better grip.
- Easy release.



## AERO SPOKE HOLDERS

- Double Slotted
- For most Aero spokes



## ALIGNMENT OFFSET GAUGE

OG1



AG30



## SPOKE RULER

SR330



## BUTTERFLY WRENCH

BF32

Square 3.2



## ACCURATE TRUING BUILDING STAND

BS1



## SPOKE TIGHT



- One drop makes wheels differently.
- Apply right before wheel building.
- 15 ML, Good for 20 wheels.

# Tools & Accessories

## SPOKE TENSION GAUGE

### TEN'SEE 22

Rev. 1.0 – Directing Measurement



#### FEATURES

- Wide Range 40- 150kgs for cnSPOKE models
- Factory parameter was recorded for every gauge
- Direct-detecting measurement
- Sealed cylinder for best usage and accuracy
- Free Refurbishment under Warranty
- Factory Calibration available

#### WHAT'S INCLUDED

- Carry Case
- Tension Curves and Charts
- Test Piece
- Manual

# Packaging Information

for Spokes →



| TYPE        | DIMENSION                       | CAPACITY |
|-------------|---------------------------------|----------|
| Plastic Bag | 85mm (w) x 360mm (h)            | 72 pcs   |
| Paper Box S | 360mm (l) x 60mm (w) x 30mm (h) | 100 pcs  |
| Paper Box L | 340mm (l) x 80mm (w) x 80mm (h) | 500 pcs  |

for Nipples →



| TYPE        | DIMENSION              | CAPACITY                                 |
|-------------|------------------------|------------------------------------------|
| Bottle      | 50mm (Dia.) x 95mm (h) | 500 pcs (12mm / 14mm)<br>400 pcs (other) |
| Plastic Bag | 70mm (w) x 120mm (h)   | 36 / 72 / 100 pcs                        |



**cnSPOKE**

## RESERVING TENSION

---

**CHUN NAN JIN-JI TECHNICAL CO., LTD**

No. 8, Lane 211, Hua Cheng Rd.,  
Xinzhung Dist.  
New Taipei City 24252  
Taiwan  
[cnspoke.com](http://cnspoke.com)



© All rights reserved. v.202603

Please note that product specifications are  
subject to change without notice.