



www.mp-wheelchairs.jp



HEAD OFFICE

MATSUNAGA MANUFACTORY Co.,Ltd.

Address : 484 Ohba, Yoro-cho, Yoro-gun, Gifu 503-1272, Japan

TEL : +81-584-35-1180

Email : mp_global@matsunaga-w.co.jp

URL : <http://www.matsunaga-w.co.jp/global/company>

OFFICE in Thailand

MATSUNAGA[THAILAND]COMPANY LIMITED

Address : 587/1-2 Rama 3 Road, Bangphongphang, Yannawa, Bangkok 10120

TEL : +66(0)2-048-3166-7

URL : <http://www.matsunaga.co.th>

Products posted in the pamphlet may be changed without notice due to update.
Some photos and information may differ from the current ones due to specification changes.
Catalog printed colors may differ slightly from the actual colors.



MAX PERFORMANCE
Designed by **MATSUNAGA**



2020
THE FIRST EDITION



Performance becomes possibility.

Matsunaga's knowledge, experience and technology are all packed into the performance of the MP series products. That leads to the possibility of broadening your horizons.



PHOTO: K-MAX MINAMO FRAME

LINE UP

STANDARD



5P

K-MAX

K-MAX MINAMO FRAME



7P

H-MAX

H-MAX FLAT FRAME
H-MAX WAVE FRAME



11P

S-MAX

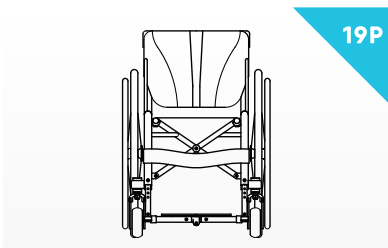
S-MAX FLAT FRAME
S-MAX WAVE FRAME



15P

A-MAX

A-MAX
A-MAX JR
A-MAX SWING



19P

APPENDIX

Seat/Side guard,Frame,Fork,
3D Caster,Back Support
Adjustable Unit,Frame color

SPORTS



21P

B-MAX

For wheelchair basketball

B-MAX TK
B-MAX ADJUST



23P

TRY-PO

Introduction model
For basketball, tennis

TRY-PO
TRY-PO KIDS



23P

T-MAX

For Wheelchair tennis

T-MAX TK
T-MAX ADJUST



24P

U-MAX

For wheelchair badminton

U-MAX TK
U-MAX ADJUST



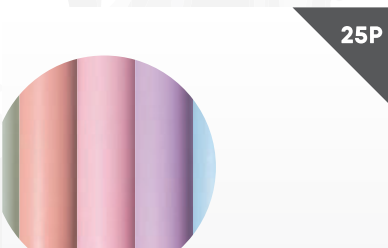
24P

Y-MAX

For wheelchair softball

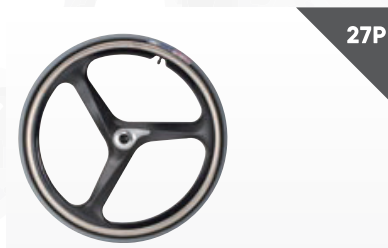
Y-MAX VALUE
Y-MAX ADJUST

OPTION



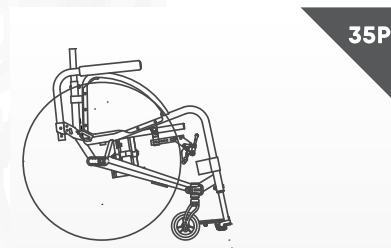
25P

BODY COLOR



27P

OPTION PARTS LIST



35P

SPECIFICATION SHEET

K

LIGHTEST WEIGHT

WEIGHT
9.4 ~ kg

Mascot : Minamo



K-MAX

MINAMO FRAME

- LONG FLAME
- FOLDING WHEELCHAIR
- FLAME PIPE SIZE Φ26
- SHORT FLAME
- CAMBER ANGLE 2° SELECTABLE
- SEMI ADJUSTABLE
- WEIGHT: 9.4kg~



Manufacturer's suggested retail price

The Main Body Frame

OPTION

- CARBON WHEEL
- TITANIUM PUSH RIM
- 4inches LIGHTNING CASTER
- 3D CARBON ARM SUPPORT
- GRIP(R type)
- SPECIAL COLOR / SATIN BLACK
- FALL PREVENTION TOOL

Introducing the new MP series, our lightest weight model using Minamo pipe!

The name 'Minamo Pipe' came from the fact that it's cross-section resembles the Gifu Prefecture mascot character: Seiryu Minamo's face. This pipe, officially recognized by Seiryu Minamo is both light weight and rigid.



- **MP Logo Plate**
Attached to the pipe between the leg pipe and the caster case.



- **Minamo pipe**
MP original pipe that has both rigidity and light weight was proven on the Suai 2 model.



- **Utilized black resin for side plate**
The same shape as Suai 2 model.

Individual purchase order form available Made in Japan

※ For detailed specifications and options, please check the individual purchase order form.
※ Specifications may change due to product improvement or quality improvement.

LINE UP
STANDARD

H



H-MAX

FLAT FRAME

- LONG FLAME
- SHORT FLAME
- WEIGHT: 10.4kg~
- FOLDING WHEELCHAIR
- CAMBER ANGLE 2° SELECTABLE
- FLAME PIPE SIZE Φ26
- SEMI ADJUSTABLE



Manufacturer's suggested retail price

The Main Body Frame

OPTION

SPINERGY LXL / SPOKE COLOR WHITE

3D CARBON FENDER

OVAL EIGHT HAND RIM

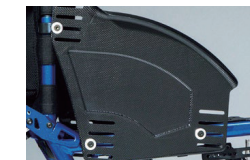
4inches LIGHTNING CASTER

3D CARBON ARM SUPPORT

SPECIAL COLOR / LIGHT BLUE FLAKES

Beauty and Strength

In this model, you can enjoy the beauty and rigidity of original hydroforming pipe in the framework. Purchase of a wheelchair is recommended for active users after the second one.



3D CARBON FENDER

We also adopted a newly developed carbon side guard on the flat frame model. Integrated with the finger guards in a shape that eliminates interaction with wheels.



Original hydroforming pipe

By setting the pipe in a mold and applying high hydraulic pressure to the inside, complex shapes can be formed integrally. The attraction is a frame combining rigidity and beauty.



Flat frame

Horizontal framework and straight type foot-pipe with no aperture.

Individual purchase order form available

Made in Japan

※ For detailed specifications and options, please check the individual purchase order form.
※ Specifications may change due to product improvement or quality improvement.

LINE UP
STANDARD

H



H-MAX

WAVE FRAME

- LONG FLAME
- FOLDING WHEELCHAIR
- FLAME PIPE SIZE $\Phi 26$
- SHORT FLAME
- CAMBER ANGLE 2° SELECTABLE
- SEMI ADJUSTABLE
- WEIGHT: 10.4kg~

 **GOOD DESIGN
AWARD 2015**



Manufacturer's suggested retail price

The Main Body Frame

OPTION

- CARBON WHEEL
- 3D CARBON FENDER
- 4inches SOFT ROLL
- CARBON ARM SUPPORT
- GRIP(Low type / right angle)
- SPECIAL COLOR / SPARKLE BLUE

Beauty and Strength

The attraction of this design is the beauty and rigidity of hydraulic pipe and the framework which extends above the seat.

Rolling property & steering ability are also improved dramatically.

Purchase of this wheelchair is recommended for active users after their second one.



Wave frame

It features a dynamic framework which extends above the seat and a leg pipe drawing the inward curve. It also helps for push-up when transferring.



3D CARBON FENDER

Newly developed carbon side guard. Is integrated with the finger guards in a shape that eliminates interaction with wheels.



Original hydroforming pipe

By setting the pipe in a mold and applying high hydraulic pressure to the inside, complex shapes can be formed integrally. The attraction is a frame combining rigidity and beauty.

Individual purchase order form available Made in Japan

※ For detailed specifications and options, please check the individual purchase order form.
※ Specifications may change due to product improvement or quality improvement.

LINE UP
STANDARD

S



S-MAX

FLAT FRAME

- LONG FLAME
- FOLDING WHEELCHAIR
- FLAME PIPE SIZE $\Phi 26$
- SHORT FLAME
- CAMBER ANGLE 2° SELECTABLE
- SEMI ADJUSTABLE
- WEIGHT: 10.5kg~



Manufacturer's suggested retail price

The Main Body Frame

OPTION

SPINERGY LXL / WHITE

HAND RIM / TITANIUM

4inches LIGHTNING CASTER

ALUMINUM ARM SUPPORT

GRIP (Low type / R type)

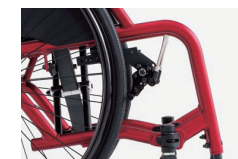
STANDARD COLOR / MAX RED

Sporty & Simple

In the sporty form, a simple framework is an attractive one. We achieved lightweight by minimizing adjustment functions. Because it is a leg pipe shape without squeezing, it is recommended for people who can stand upright or those with hemiplegia.



- **Folded Width 285mm min.**
Depending on options, the width may vary.



- **Flat frame**
Simple framework of horizontal seat.



- **Brake stay adjusts steplessly**

Individual purchase order form available Made in Japan

※ For detailed specifications and options, please check the individual purchase order form.
※ Specifications may change due to product improvement or quality improvement.

LINE UP
STANDARD

S



S-MAX

WAVE FRAME

- LONG FLAME
- SHORT FLAME
- WEIGHT: 10.5kg~
- FOLDING WHEELCHAIR
- CAMBER ANGLE 2° SELECTABLE
- FLAME PIPE SIZE Φ26
- SEMI ADJUSTABLE



Manufacturer's suggested retail price

The Main Body Frame

OPTION

4inches SOFT ROLL

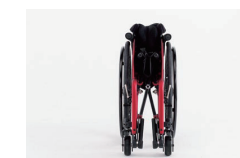
ALUMINUM ARM SUPPORT

GRIP(Low type / right angle)

SPECIAL COLOR / LIGHT BLUE FLAKES

Sporty & Sharp

The framework which extends above the seat can also be used as a push-up when transferring.
Leg pipe with 20 mm inset on each side creates stylishness.
We achieved lightweight by minimizing adjustment functions.



- **Folded Width 285mm min.**
Depending on options, the width may vary.



- **Wave frame**
Designed to a height of 60 mm from the seat framework.



- **Leg pipe design which describes inward form.**

Individual purchase order form available Made in Japan

※ For detailed specifications and options, please check the individual purchase order form.
※ Specifications may change due to product improvement or quality improvement.

LINE UP
STANDARD

A

"This has everything for
all first time users."



A-MAX

- LONG FLAME
- SHORT FLAME
- WEIGHT: 11.2kg~
- FOLDING WHEELCHAIR
- FULLY ADJUSTABLE
- FLAME PIPE SIZE Φ26



Manufacturer's suggested retail price

The Main Body Frame

OPTION

SCLSSOR BRAKE

ALUMINUM ARM SUPPORT

GRIP(Low type / right angle)

SPECIAL COLOR / RED FLAKES

Optional pocket can be sewed on

Fully Adjustable

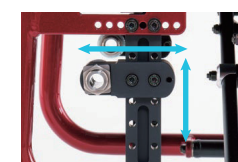
Equipped with adjustable function that can change the vertical axle position (rear seat height). It's finished with an attraction to design and cost performance. It is recommended for users who purchase a wheelchair for the first time or who do not have stable physical condition.



- **Folded width 285mm min.**
Depending on options, the width may vary.



- **Optional Equipment**
(assistance specification example)
Appealing variety of options available



- **Adjustable unit**
Adjustment of axle position is possible. According to needs, it is possible to adjust the forward or back seat position as well as the height.

A MAX JR

Junior model appeared in the MP series!
Please check the price on the special purchase order form.



Individual purchase order form available Made in Japan

※ For detailed specifications and options, please check the individual purchase order form.
※ Specifications may change due to product improvement or quality improvement.

LINE UP
STANDARD

A

**SWING
PARTS**

→ IN ←
← OUT →



A-MAX

SWING

- LONG FLAME
- FOLDING WHEELCHAIR
- FLAME PIPE SIZE Φ26
- SHORT FLAME
- FULLY ADJUSTABLE
- SWING UNIT
- WEIGHT: 11.5kg~



Manufacturer's suggested retail price

The Main Body Frame

OPTION

FALL PREVENTION TOOL

CARBON ARM SUPPORT

GRIP(High type R)

FB Tackle brake extension rod

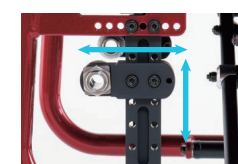
SPECIAL COLOR / SPARKLE BLUE

Fully Adjustable

Equipped with adjustable function that can change the vertical axle position (rear seat height). It's finished with attention to design and cost performance. Smooth transfer with installed swing unit. It is also recommended for users who have severe paralysis, Hemiplegia and those who can stand or walk.



● **Folded Width 285mm min.**
Depending on options, the width may vary.



● **Adjustable unit**
Adjustment of axle position is possible. According to needs, it is possible to adjust the forward or back seat position as well as the height.



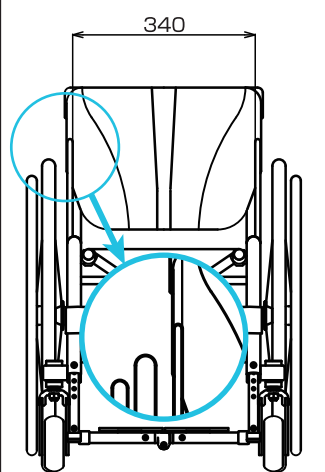
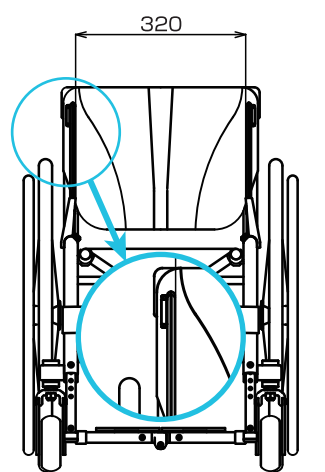
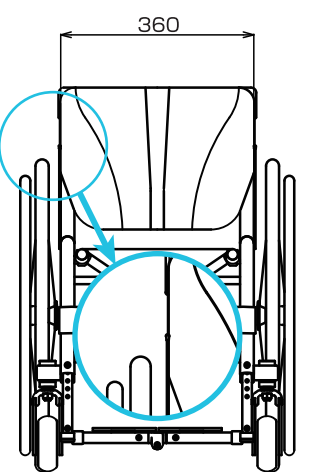
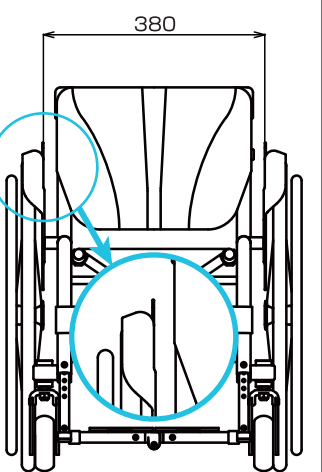


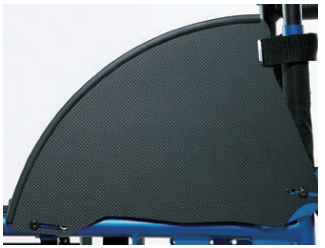

● **Swing Unit**
Swing out/swing in, removable.

Individual purchase order form available Made in Japan

※ For detailed specifications and options, please check the individual purchase order form.
※ Specifications may change due to product improvement or quality improvement.

SEAT WIDTH About seat width

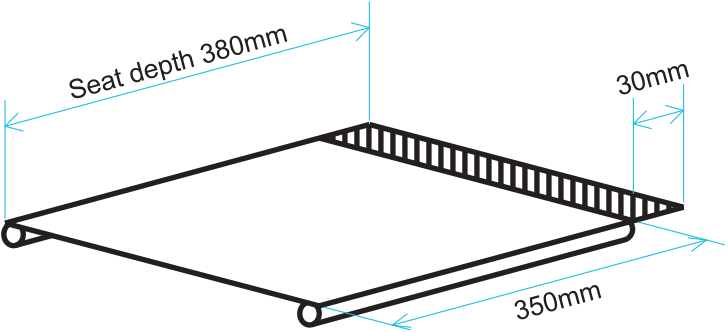
The seat width of the MP series current model (K-MAX / H-MAX / S-MAX / A-MAX / A-MAX swing) is based on the type of 3D resin molding side guards selected. In the figure below, the dimensions archived when changing the side plate of a base wheelchair with a width of 340 mm are described.

Side Guard Type			
3D resin molded side guard	Fabric made	Carbon plate	3D Carbon Fender
			
			
Standard			
*an example Arm pipe Inside 340 mm	Compared to the 3D resin molded side guard, the width of the seat is narrowed by about 20 mm at the place where the seat is narrowest.	Compared to the 3D resin molded side guard, the seat is widened by about 20mm at the place where the seat is narrowest. *The shape varies depending on the model.	Compared to the 3D resin molded side guard, the seat is widened by about 40mm at the place where the seat is narrowest. *This can only be installed on the S-MAX wave flat and H-MAX wave flat.
Back support hight: low type or high type can be selected.	When mounting back support, high type (370 mm ~ 450 mm) can not be selected.		

■ Seat width table

Seat width of 3D resin molded side guard	Cloth made	Carbon plate	3D Carbon Fender	Seat width of JAY EASY BACK
300	280	320	340	360
320	300	340	360	360
340 (Dimension)	320	360	380	360
360	340	380	400	360
380	360	400	420	360
400	380	420	440	410
420	400	440	460	410

SEAT About seat depth




The over all seat depth and seat sheet depth.

(Example) This figure shows the selection of 380 depth.

A space of 30mm is designed as part of the seat depth. The sheet is designed to be flexible and to smoothly open and close with the wheelchair.


MP FEATURE Features of the MP series

Utilizing folding frame




X-Frame has further improved its single / double, with many achievements. We are also concerned about safety so the fixing method on the lower side of the frame is a through bolt. Even if the X frame is damaged, it is hard to fall apart.

MP fork



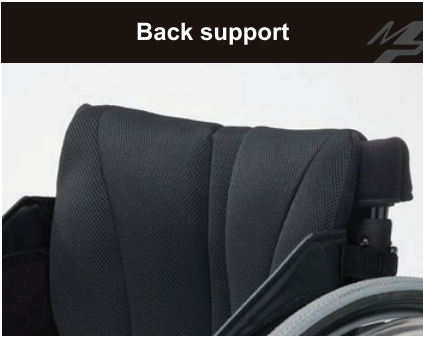
We renewed the mechanism and design to adopt the new MAX fork. By setting the inner dimension of the fork to be 45mm horizontal, wide casters can be mounted. In addition, the vertical adjustment of the caster regulates the front seat height. Also, by reviewing the amount of eccentricity on the rotating side, shimmy of the fork has been greatly reduced, and stable running performance has been realized.

3D caster system




Running straight is one of the basic performance of wheelchairs. However, the straightness deteriorates due to changes in the user's body shape, years of use, etc. We redesigned the smart caster system so that it can easily be modified. Caster bearings insertion is tapered with respect to the outside diameter. Adjusting the toe-in and toe-out is possible by rotating the caster case right and left inside the clamp.

Back support




We changed the back support pipe of the frame from the conventional curved shape to a straight shape. As a benefit of that, it is possible to allow the pusher's hand grip to be set in, even with the low type back. Furthermore it is easy to install a hard back. In addition, an optional inner pipe (for pusher's hand grip) can be bent backward by 5° and 10°.

Adjustable unit



We have adopted an adjustment system that has gained popularity in the current MAX series. The front and rear position of the axle can be easily adjusted in increments of 10mm. Also in S-MAX, the axle position was created for adjustment from -30mm to -70mm, and more emphasis was placed on "mobility".

Abundant frame colors



- Powder coat (powder paint) 44 colors
- Color aluminized : 8 colors can be selected

※Back seat hight: high type only


LINE UP
SPORTS

BWB

BRITISH WHEELCHAIR BASKETBALL

 **MATSUNAGA**
OFFICIAL SUPPLIER



JWBF
JAPAN WHEELCHAIR BASKETBALL FEDERATION
 **MATSUNAGA**
OFFICIAL SUPPORTER



B-MAX

+TK +ADJUST

For wheelchair basketball

Standard Equipment

■ FLAME BODY ■ SPINERGY WHEEL ■ Single rear caster
■ FLAME COLOR : Natural metal finish only.

TK “TK” combines the goodness of the rigid wheel and adjustability, drawing out your performance to the maximum.
“TK” function: Seat height of front side, Axile position, Foot support height and angle, Space of handrim and tire..)



B-MAX +TK

Spinergy wheel, standard equipment.

B-MAX +TK Light weight model

Spinergy wheel, standard equipment.

ADJUST “ADJUST” can widely adjust front and rear of seat height and axle position. This one chair can be used from beginner to experienced user. It is recommended for those who have not settled on a permanent position.
“Adjust” function: Seat height of front side and back side, Axile position, Foot support height and angle, Space of handrim and tire...)

B-MAX +ADJUST

Spinergy wheel, standard equipment.

B-MAX +ADJUST Light weight model

Spinergy wheel, standard equipment.



 **SUPPORT ITEMS**



FIX strap

FIX strap system is a strap that fixes the body exclusively to the wheelchair for competition, developed with the aim of improving safety, comfort and utilizing power during competition.



Ratchet type strap set

Anchors ones body to the competition wheelchair.

TRY-PO

Introduction to sports wheelchair

Standard Equipment

- FLAME BODY ■ SPINERGY WHEEL
- FLAME COLOR : MAX WHITE,MAX RED,MAX YELLOW,MAX BLUE,MAX SILVER

Sports wheelchair for those who are about to begin sports. It is introductory model that can be used for wheelchair basketball and tennis, we can recommend it to those who do not know which sports suits them yet.



TRY-PO

Spinergy wheel, standard equipment.

TRY-PO + KIDS

Spinergy wheel, standard equipment.

U-MAX

For Wheelchair badminton

Standard Equipment

- FLAME BODY ■ SPINERGY WHEEL ■ Single rear caster
- FLAME COLOR : Natural metal finish only.

U-MAX reflects the maximum input of high-level active players. In addition to the adjustable system that allowed us to fine-tune it, We also developed U-MAX with emphasis on movement forward and back which are specific to Badminton. If you try it, you will understand the difference!



JPBF **MATSUNAGA**
JAPAN PARA-BADMINTON FEDERATION OFFICIAL SUPPORTER

U-MAX + TK

Spinergy wheel, standard equipment.

U-MAX + ADJUST

Spinergy wheel, standard equipment.

T-MAX

For Wheelchair tennis

Standard Equipment

- FLAME BODY ■ SPINERGY WHEEL ■ Single rear caster
- FLAME COLOR : Natural metal finish only.

T-MAX is loved by players who compete at the world level! Maximize your potential on the court!



T-MAX + TK Light weight model

Spinergy wheel, standard equipment.

T-MAX + ADJUST Light weight model

Spinergy wheel, standard equipment.

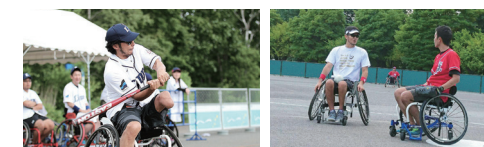
Y-MAX

For Wheelchair softball

Standard Equipment

- FLAME BODY ■ SPINERGY WHEEL ■ Single rear caster
- FLAME COLOR : Natural metal finish only.

Assuming play on asphalt, we used outdoor-only tires and castors as standard equipment. Framework adopts a structure that considers fielding and batting while pulling out the potential of players to the maximum.



Y-MAX + VALUE

Spinergy wheel, standard equipment.

Y-MAX + ADJUST

Spinergy wheel, standard equipment.

Matsunaga supports wheelchair softball







BODY COLOR

BODY COLOR MP DEDICATED COLOR Standard color 12 colors / Special color 32 colors


Standard color (Powder coating)

			
M01 / MAX WHITE	M02 / MAX BLACK	M03 / MAX RED	M04 / MAX ORANGE
			
M05 / MAX PURPLE	M06 / MAX YELLOW	M07 / MAX PINK	M08 / MAX GREEN
			
M09 / MAX BLUE	M10 / MAX NAVY	M11 / MAX SILVER	M12 / MAX GUN METALLIC

Special color A (Powder coating) M13:NEON YELLOW and M14:NEON PINK may fade.

			
M13 / NEON YELLOW ★	M14 / NEON PINK ★	M15 / SPARKLE ORANGE	M16 / SPARKLE BROWN
			
M17 / SPARKLE BLUE	M18 / SPARKLE LIME		

Special color B (Powder coating)

			
M19 / PEARL WHITE	M20 / CANDY RASPBERRY	M21 / CANDY RED	M22 / CANDY PURPLE
			
M23 / CANDY BLUE	M24 / CANDY GREEN		

Special color C (Powder coating)

			
M25 / RED FLAKE	M26 / GOLD FLAKE	M27 / LIGHT BLUE FLAKE	M28 / GREEN FLAKE
			
M29 / BLUE FLAKE	M30 / PURPLE FLAKE	M31 / RED STAR	M32 / BLUE STAR
			
M33 / GREEN STAR	M34 / RAINBOW STAR	M35 / MILK WHITE	M36 / MAPLE PINK
			
M37 / SAKURA PINK	M38 / LACE LILAC	M39 / BABY BLUE	M40 / ROMANTIC MAUVE
			
M41 / PLUM BROWN	M42 / CORAL PINK	M43 / FINE MAUVE	M44 / AQUA MILK

Powder coat (powder coating)

Excellent adhesion, high texture and durability, it is adopted for some luxury European cars. Also, unlike liquid painting, it has reduced harmful substances, therefore it is a paint that is friendly to humans and the environment.

BODY COLOR Satin Alumite

Special color (Color alumite) Some color unevenness will occur depending on the particular parts anodized.

			
S01 / SATIN BLACK	S02 / SATIN SILVER	S03 / SATIN GRAY	S04 / SATIN BROWN
			
S05 / SATIN RED	S06 / SATIN BLUE	S07 / SATIN GOLD	S08 / SATIN PURPLE

Alumite (anodizing treatment)

It is a surface treatment that artificially produces an oxide film (oxide of aluminum) by electrolytically treating aluminum with an anode (+ pole).

※It differs from the actual color due to printing on paper. Please refer to the color sample.
※If you choose to order other Matsunaga colors, it will be a separate estimate. (All models)

OPTION &
PARTS LIST

SPOKE WHEEL

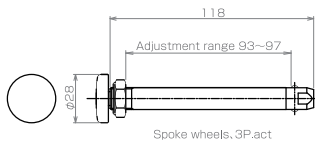


28 spoke black wheels as standard equipment.
We chose a wheel which is easy to match with
various frame colors.

22 inch
(detachable)
No.W-5 Black

24 inch
(detachable)
No.W-6 Black

QUICK RELEASE SHAFT



Old type carbon wheel
The length of the quick
release shaft is different from
the old type carbon wheels.
Please be aware.

3P.ACT Three Spoke.Active Carbon Wheel



Dynamically optimized design arrangement of the carbon fiber
structure with wall sickness to accommodate sporty high pressure
WO tires and weights comparable to wire wheels.
High precision & glamorous body created by advanced internal
pressure molding technology that minimizes the voids that are
common during general molding, making it possible to ensure
light weight and reliability strength.
High elastic carbon fiber is used for the spoke part.
The peripheral part is made of high strength T700 carbon fiber
originally pre-preged with special epoxy resin. We also used
3K carbon cloth to protect the carbon structure. In addition,
we applied a nice coating of 300 to 400 micron PU paint,
creating a finish with the finest glossy texture.

3P.ACT

22 inch
No.W-1 Black

24 inch
No.W-3 Black

SPINERGY LXL SPINERGY Lite Extreme Lite



The comparable weight of wire wheel spokes for sporty wheels
were mainstream metal such as stainless steel,
but SPINERGY is the world's first manufacturer to introduce
fiber spokes.
The synthetic fiber used: Zylon, has the highest level of tensile
strength and modulus among organic fibers so that it is adopted
for bulletproof vests. It has excellent qualities of vibration
absorption as well as strength required for spokes.

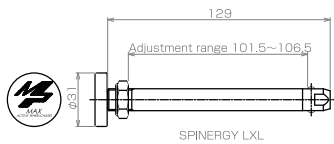
SPINERGY

24 inch
No.W-7BLL Black
















No.W-7WL White

No.W-7RL Red

※When fitted with the SPINERGY wheel,
the gap between the frame and the tire is
greater compared to spoke wheel.



TIRES

Product Name	SIZE · INCH	COLOR				
IRC EXERACER	25-501 22 inch OD(560mm) ※Outside Diameter(OD)	 GRAY No.T-2G	 BLACK No.T-2BL			
	25-540 24 inch OD(595mm)	 GRAY No.T-3G	 RED No.T-3R	 YELLOW No.T-3Y	 BLUE No.T-3B	 BLACK No.T-3BL
IRC EXERACER CROSS	32-540 24 inch OD(610mm)	 GRAY No.T-4G				
V-TRAK PRIMO	25-501 22 inch OD(560mm)	 GRAY No.T-5G	 RED No.T-5R	 YELLOW No.T-5Y		
	25-540 24 inch OD(595mm)	 GRAY No.T-6G	 RED No.T-6R	 YELLOW No.T-6Y	 BLUE No.T-6B	

Rich tire variations that can respond to any situation. Selection according to different purposes is possible.

PUSHRIMS Hand Rim, Oval Eight 24inch



The shape of the hand rim is considered important for fit and drive efficiency. As a result of repeatedly verifying the contact area of the palm and the gripping and releasing movements, the MP original shape with the oval cross section tilted by 8 degrees was obtained. Please try our new sense of fit.

No.H-4

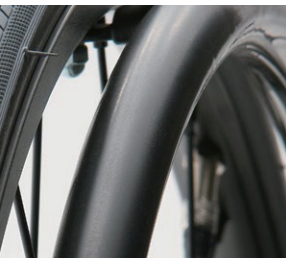
PUSHRIMS

※Hand rim spacing 5mm•10mm•15mm•20mm•25mm



Aluminum made (black)

No.H-1



Vinyl coated aluminum

No.H-2



Titanium made

No.H-3



Anti-slip cover

No.H-5

Anti-slip cover that can be attached as retro fit.

OPTION &
PARTS LIST

CAMBER Camber 2°



No.A-1

※Not optional for: A-MAX and A-MAX Swing.

SHAFT Axle 0



※For H-MAX, S-MAX only
※When selecting the axle 0, camber 2° can not be used.

BRAKESTAYS



Upper Stay

No.BS-1



Lower Stay

No.BS-2

BRAKES



Scissor brake

Upper only

No.B-Z1



M-tackle

50mm

No.B-M1

75mm

No.B-M2

100mm

No.B-M3

The stroke is short and the tire lock is sure. It also reduces rattling.



FB-tackle

100mm

No.B-F1

Newly designed brake that can be applied either forward or backward. (Cover : black)



FB tackle brake exclusive extension bar

50mm

No.B-31

100mm

No.B-32

150mm

No.B-33

CASTER WHEELS



4 inch resin core
105mm

No.C-R2



5 inch resin core
125mm

No.C-R3



4 inch PUW caster
105mm

No.C-P1



5 inch PUW caster
125mm

No.C-P2



6 inch PUW caster
150mm

No.C-P3

※These are exclusive for A-MAX, A-MAX Swing.



4 inch soft roll
105mm

No.C-Y1



5 inch soft roll
125mm

No.C-Y2



4 inch lightning
105mm

No.C-L1

Designed with the aim of increased visibility from all directions.



6 inch Super caster
148mm

No.C-S3

※These are exclusive options only for A-MAX, A-MAX Swing.

CASTER FORKS



MP FORK

No.F-M



Frog Legs Wide fork

No.F-4

※For compatibility, please check the specification table for each model. (See P.37 - 44)
※Only 4 inch soft roll caster wheel can be installed.

Shock absorber built-in front fork. Compared to the conventional rigid type front fork, shock and vibration are greatly reduced. It also reduces the physical strain on the user's body.

FOOT BRAKES



S-MAX, A-MAX, A-MAX Swing
Dedicated foot brake

No.UB-1

※Can not be installed on H-MAX.
※In the case of fall prevention part installed with foot brake, the clearance may become narrow.

FOOT PIPE



Foot pipe open type
A-MAX Swing special feature

Foot length is adjustable in the range of 230mm ~ 300mm.

OPTION &
PARTS LIST

FOOT SUPPORT

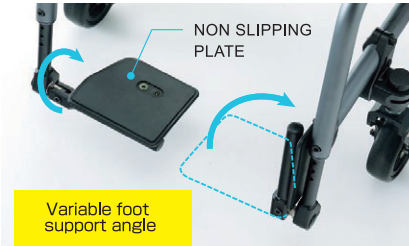
K-MAX . H-MAX . S-MAX . A-MAX . A-MAX SWING



T.S.S IV

No.FP-1

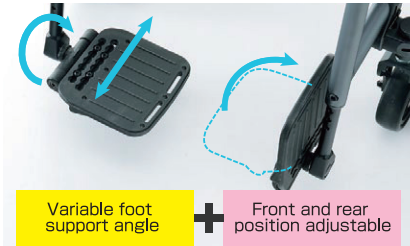
T.S.S IV which evolved from T.S.S III is released! The popular variable foot support angle mechanism was maintained while realizing weight savings. Furthermore, the upper surface was changed to a material that is less slippery. It's a long lasting design.



Separate foot support

No.FP-2

Independent type foot support plate. Like T.S.S, by providing variable foot support angle mechanism as standard, it provides the optimum step angle. This suppresses convulsions/spasms.



Adjustment foot support

No.FP-3

This design is ideal for those for whom the other separate foot step doesn't work. There is a sense of security when the step width is wide.

※Modification (cutting) depends on the seat width.



Pipe joint foot support

No.FP-4

It is about 65g lighter than T.S.S IV.

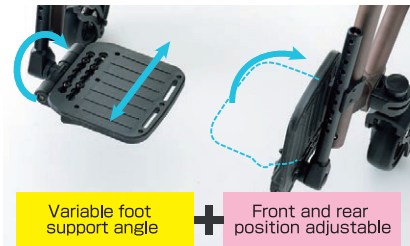


High Mount Separate Foot Support

No.FP-5

You can shorten the foot support length.

※Adjustable foot length 200mm ~ 300mm.



High Mount Adjustment Foot Support

No.FP-6

This design is ideal for those for whom the other separate foot step doesn't work. There is a sense of security when the step width is wide. You can shorten the foot support length.

※Modification (cutting) depends on the seat width.

GRIP

H-MAX . S-MAX . A-MAX . A-MAX SWING



※Low type 300~380 10cm pitch



※High type 370~450 10cm pitch

※When selecting a high type grip, carbon side plate, cloth side plate and 3D carbon fender can not be mounted.



※High type 370~450 10cm pitch



※High type 370~450 10cm pitch

ARM SUPPORT



MATSUNAGA ORIGINAL ARM SUPPORT

3D CARBON ARM SUPPORT

Fixed type

No.7

Flip-up type

No.8



Besides the carbon body which makes both strength and light weight compatible, we newly incorporated elastomer tube to improve wear resistance. The arm support fixing part was a new shape to prevent backlash. The grip part is a flat shape, improving usability.

STRAIGHT ARM SUPPORT



Fixed type

No.5

Flip-up type

No.6



Unmounted for shipment

No.1

Mounted for shipment

No.2

※Can not be installed with side guard.
※If shipped unmounted, you must install by yourself.

OPTION PARTS



No.1

※ Back support height can not be adjusted.
※ Back support height of 340mm or less can not be selected.
※ Back support low type can not be selected for these models: H - MAX, S - MAX, A - MAX, A - MAX Swing.



No.1

With the rotating roller attached to the foot support end, it is possible to open and close doors with out damage.

※Can not be installed on Adjust foot support



No.1

K-MAX, H-MAX, S-MAX, A-MAX, A-MAX Swing

※ If you are selecting a fall prevention bar or tipping bar, a stick holder will take additional cost.



No.1



No.1

It can be folded in when not in use. K-MAX, H-MAX, S-MAX, A-MAX, A-MAX Swing

※The picture is of an A-MAX.
※There is a left and right set.



No.1

If you choose fall prevention bar, the tipping bar can not be selected also. S-MAX, A-MAX, A-MAX Swing

※Can not be installed on H-Max.

OPTION &
PARTS LIST



STRETCH BELT

80mm Width **No.1**

120mm Width **No.2**

※Total 1500mm

Wide elastic belt. Assistance for maintaining posture and has various uses.



STRETCH LEG COVER

No.1

This cover protects the frame of the wheelchair. It will also help grip when pushing up.



NONSLIP NET

No.1

300mm~360mm Width
380mm~420mm Width



CATHETER POCKET

No.1

50mm × 60mm × 380mm
※This item will be discontinued when it is sold out.



PLUS POCKET

No.1

※It is smaller than the standard pocket.
※Can be attached by Velcro/hook-and-loop.



POCKET

sewn on to the seat back.

VELCRO TAPE **No.1**

ZIPPER **No.2**



PLUS POCKET

sewn on to the seat back.

No.1

You can add a standard pocket on the left side.



DRINK HOLDER

No.1

This drink holder can be attached to a foot support pipe.



SMART PHONE HOLDER

No.1

Height 125mm Width 80mm
Depth 25mm

This smart phone holder can be attached to a foot support pipe. It is also ideal for holding an IQOS.



FRONT CARRY

No.1

This carrier is telescopic and convenient for luggage.

(It's rated for a 10 kg load when using both arms)
※It can be mounted on a Φ18 mm, Φ20 mm, Φ22 mm, Φ25 mm pipe.



FIN GUARD

No.1

Can not be installed on fabric side guard.
Mounts with Velcro/hook-and-loop.



MUDGUARD

No.1

S-MAX, A-MAX, A-MAX Swing guard.
※Adjustment range and setting dimensions may be limited.
※May not match with 3D carbon arm support or aluminum arm support.



STICKER MP ①

No.1

2 sticker set

SIZE 50mm×50mm



STICKER MP ②

No.2

SIZE 22mm×150mm



SPINERGY wheel bag

No.1

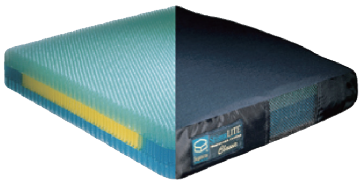
The above price for this part is only valid when purchasing a new chair.
Please contact us to purchase this part by itself.

CUSHIONS Asian Countries Limited Sales

Stimulite® series cushions

Adjustment-free polyurethane preventive cushion for pressure ulcers that has long been endorsed in the United States and Europe. The porous honeycomb structure cushion effectively distributes the seat pressure while releasing moisture. Also, because the sitting position is made stable, it will maintain support for a long time. Since it is machine wash(drum type only) and dry-able, it can be used for a long time. Some cushions are approved by the Ministry of Health, Labor and Welfareas "seating position system completed parts".

Classic



Flat type cushion for people with a high risk of pressure ulcers and relatively stable sitting positions. Seating position system completed parts.

3 layer structure. Height:7cm
Weight: Approximately:1.5kg
Weight limit:110kg

Size	Width x Depth	Product number
14"x16"	(36x41cm)	CL1416
16"x16"	(41x41cm)	CL1616

Contoured



For those who need high level pressure control. It has a firm contoured shape and is excellent in maintaining a sitting position. Seating position system completed parts.

3 layer structure. Height:8~10cm
Weight: Approximately:2kg
Weight limit:130kg

Size	Width x Depth	Product number
14"x16"	(36x41cm)	CD1416
16"x16"	(41x41cm)	CD1616

Slimline

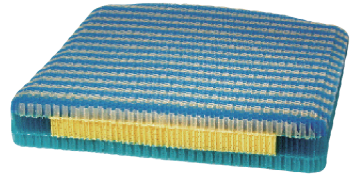


For those who need high level pressure control. Cushion for active users with relatively low ulcer risk. Gentle contoured shape. Seating position system completed parts.

2 layer structure. Height:6cm
Weight: Approximately:1.5kg
Weight limit:120kg

Size	Width x Depth	Product number
14"x16"	(36x41cm)	SM1416
16"x16"	(41x41cm)	SM1616

Classic XS



Classic extra sensitive model. It has a soft surface layer and is ideal for sensitive skin as well as those seeking soft sitting comfort.

3 layer structure. Height:7cm
Weight: Approximately:1.5kg
Weight limit:110kg

Size	Width x Depth	Product number
14"x16"	(36x41cm)	CL1416X
16"x16"	(41x41cm)	CL1616X

※The above 6 types of cushions are also available in larger size. Please contact us for more information.

Contoured XS

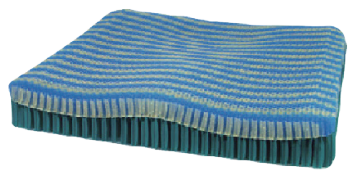


Contoured extra sensitive model. It has a soft surface layer and is ideal for sensitive skin as well as those seeking soft sitting comfort.

3 layer structure. Height:8~10cm
Weight: Approximately:2kg
Weight limit:120kg

Size	Width x Depth	Product number
14"x16"	(36x41cm)	CD1416X
16"x16"	(41x41cm)	CD1616X

Slimline XS



Slimline extra sensitive model. It has a soft surface layer and is ideal for sensitive skin as well as those seeking soft sitting comfort.

2 layer structure. Height:7cm
Weight: Approximately:1.5kg
Weight limit:110kg

Size	Width x Depth	Product number
14"x16"	(36x41cm)	SM1416X
16"x16"	(41x41cm)	SM1616X

Corbee

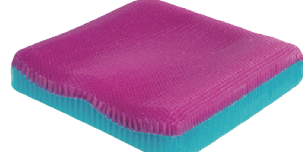


Recommended cushion for children and light weight people. Seating position system completed parts.

2 layer structure. Height:5cm
Weight: Approximately:0.5kg
Weight limit:70kg

Size	Width x Depth	Product number
10"x10"	(25x25cm)	PD1010
12"x12"	(30x30cm)	PD1212
14"x14"	(36x36cm)	PD1414

Contoured



Contoured cushion to protect children from pressure ulcers. It is the softest surface layer in the Stimulite® series. Seating position system completed parts.

2 layer structure. Height:5cm
Weight: Approximately:0.5kg
Weight limit:60kg

Size	Width x Depth	Product number
10"x10"	(25x25cm)	PD1010
12"x12"	(30x30cm)	PD1212
14"x14"	(36x36cm)	PD1414

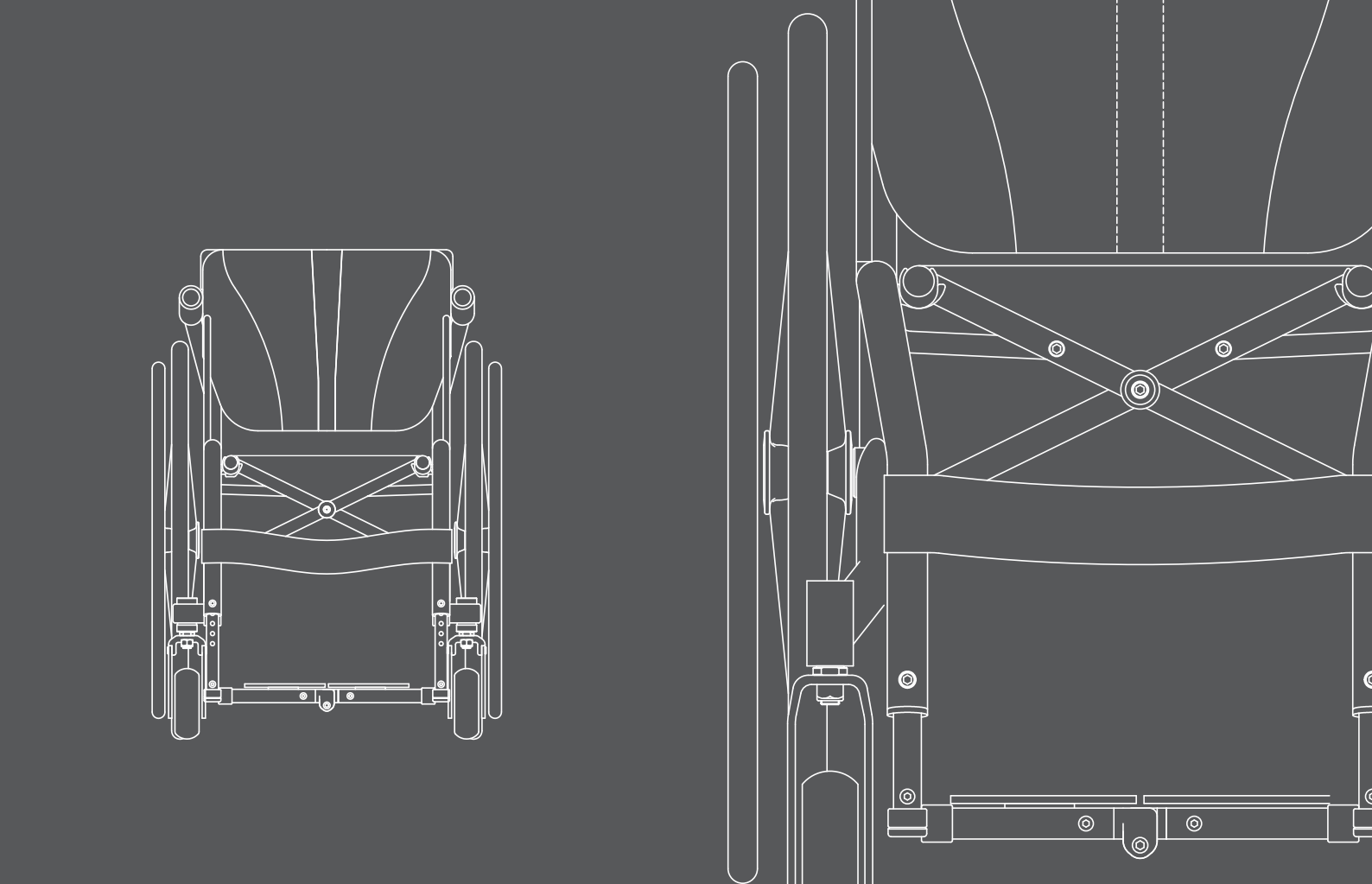
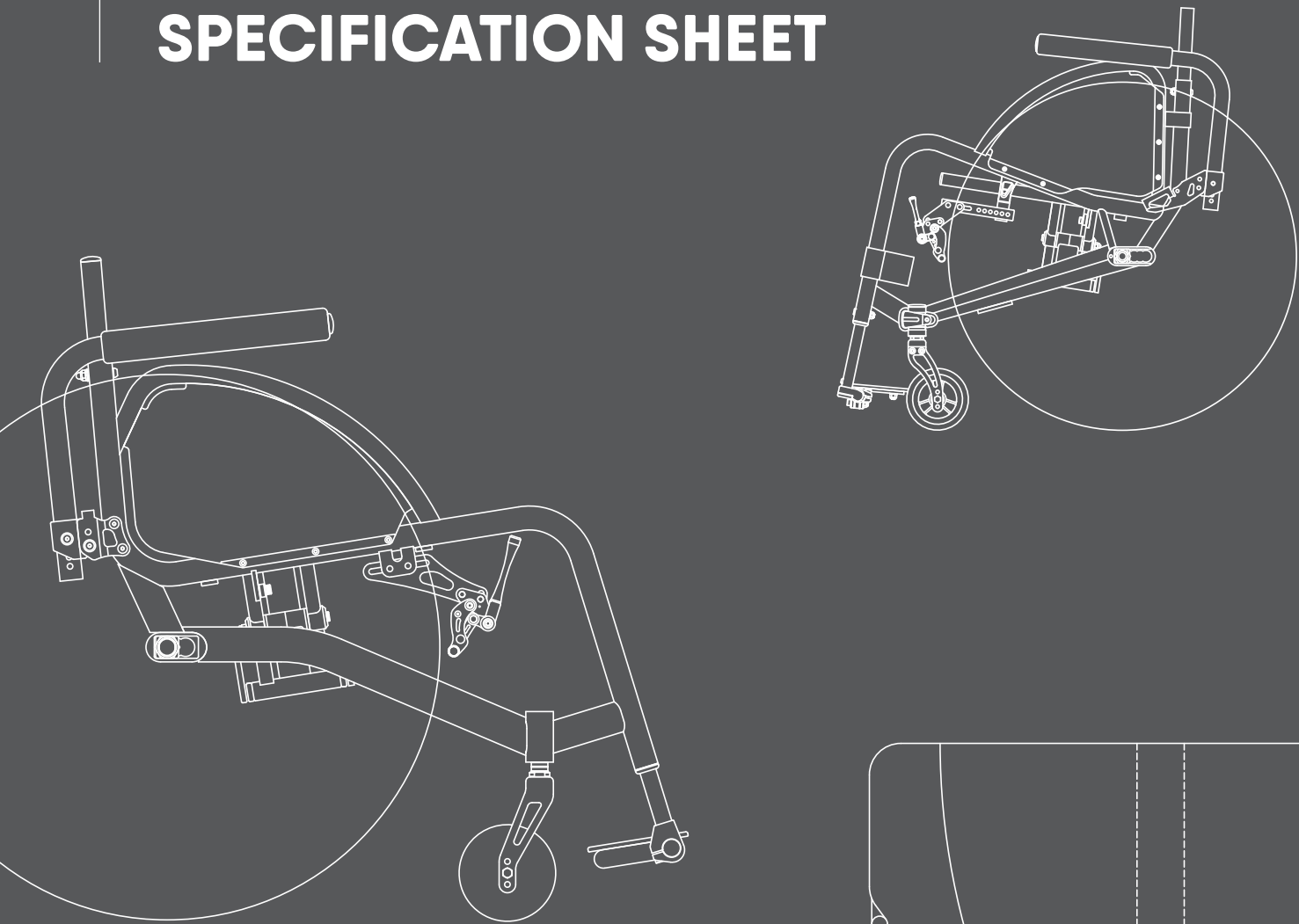


Technology You Can
Get Comfortable With®

Ulcer prevention cushion
made in California

Stimulite® series cushions are all manufactured at Supracor® in California. Polyurethane material of special honeycomb structure has been highly evaluated for its safety and functionality. It is widely adopted for seats on Boeing's passenger aircraft.

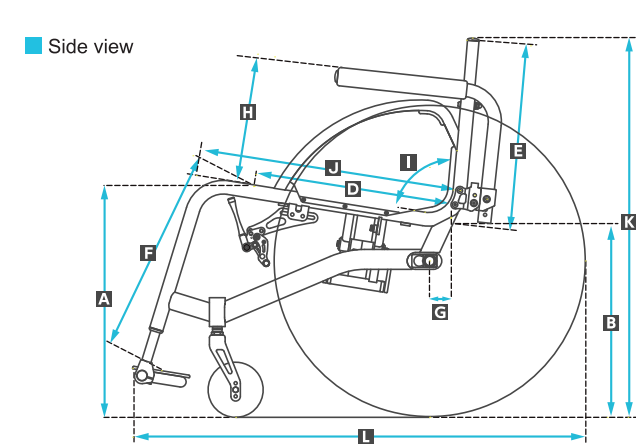
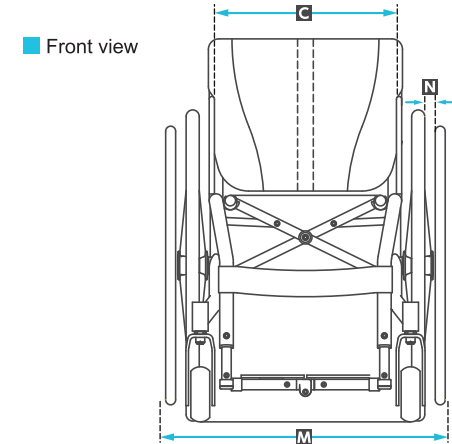
SPECIFICATION SHEET



K-MAX MINAMO FRAME

Specification data (unit : mm)

A Front seat height ※4		B Back seat height					
		24 inch			22 inch		
		380	400	420	360	380	400
FRAME SIZE		Short / Long					
390	4 inch (Caster wheel)	-	-	-	<input type="checkbox"/>	-	-
	5 inch (Caster wheel)	-	-	-	<input type="checkbox"/> ※6	-	-
	Frog Legs (Caster fork)	-	-	-	<input type="checkbox"/>	-	-
410	4 inch	<input type="checkbox"/>	-	-	-	<input type="checkbox"/>	-
	5 inch	<input type="checkbox"/>	-	-	-	<input type="checkbox"/> ※6	-
	Frog Legs	<input type="checkbox"/>	-	-	-	<input type="checkbox"/>	-
420	4 inch	-	-	-	<input type="checkbox"/>	-	-
	5 inch	-	-	-	<input type="checkbox"/> ※6	-	-
	Frog Legs	-	-	-	<input type="checkbox"/>	-	-
430	4 inch	-	<input type="checkbox"/>	-	-	-	<input type="checkbox"/>
	5 inch	-	<input type="checkbox"/>	-	-	-	<input type="checkbox"/> ※6
	Frog Legs	-	<input type="checkbox"/>	-	-	-	<input type="checkbox"/>
440	4 inch	<input type="checkbox"/>	-	-	-	<input type="checkbox"/>	-
	5 inch	<input type="checkbox"/>	-	-	-	<input type="checkbox"/> ※6	-
	Frog Legs	<input type="checkbox"/>	-	-	-	<input type="checkbox"/>	-
450	4 inch	-	-	<input type="checkbox"/>	-	-	-
	5 inch	-	-	<input type="checkbox"/>	-	-	-
	Frog Legs	-	-	<input type="checkbox"/>	-	-	-
460	4 inch	-	<input type="checkbox"/>	-	-	-	<input type="checkbox"/>
	5 inch	-	<input type="checkbox"/>	-	-	-	<input type="checkbox"/> ※6
	Frog Legs	-	<input type="checkbox"/>	-	-	-	<input type="checkbox"/>
480	4 inch	-	-	<input type="checkbox"/>	-	-	-
	5 inch	-	-	<input type="checkbox"/>	-	-	-
	Frog Legs	-	-	<input type="checkbox"/>	-	-	-
C Seat width		<input type="checkbox"/> 300	<input type="checkbox"/> 320	<input type="checkbox"/> 340	<input type="checkbox"/> 360	<input type="checkbox"/> 380	<input type="checkbox"/> 400
D Seat depth		<input type="checkbox"/> 340	<input type="checkbox"/> 360	<input type="checkbox"/> 380	<input type="checkbox"/> 400	Seat depth 400mm is set for long frame only.	
E Back support height		<input type="checkbox"/> 320	<input type="checkbox"/> 330	<input type="checkbox"/> 340	<input type="checkbox"/> 350	<input type="checkbox"/> 360	<input type="checkbox"/> 370 <input type="checkbox"/> 380 <input type="checkbox"/> 390 <input type="checkbox"/> 400
F Foot support length ※1※5		<input type="checkbox"/> 330	<input type="checkbox"/> 345	<input type="checkbox"/> 360	<input type="checkbox"/> 375	<input type="checkbox"/> 390	<input type="checkbox"/> 405
G Axle position		Stable type (20 to 40 adjustable)			<input type="checkbox"/> 20	<input type="checkbox"/> 30	<input type="checkbox"/> 40
		Light weight type (20 to 40 adjustable)			<input type="checkbox"/> 40	<input type="checkbox"/> 50	<input type="checkbox"/> 60
H Straight arm support height ※2		3D carbon arm support		250~290 (10pitch)			
		Aluminium arm support		260~290 (10pitch)			
I Back support angle		86°					
J Frame length		Long frame 492mm		Short frame 452mm			
K Total height ※3		723mm					
L Full length ※3		Long 863 Short 825					
M Full width ※3		513mm					
N Hand rim spacing		5・10・15・20・25					
Camber		2° selectable					
Weight ※3		9.5kg					
Load bearing capacity		75kg					
<div>※1 There is a condition in which the length can not be guaranteed due to the front seat height.</div> <div>※2 It may not be possible to set due to the wheel size and the back seat height.</div> <div>※3 Calculated based on the following specifications. Long frame Front seat height 440 Back seat height 380 Seat width 340 Back support height 340 Foot support length 375 24 SPINERGY LXL WHEEL 4inches LIGHTNING CASTER Axle position 40mm Hand rim aluminum spacing 10mm Foot support TSS4</div> <div>※4 Seat depth 380mm settings. Depending on the seat depth setting, the size may change by about 5mm.</div> <div>※5 Depending on seat depth and the selection parts of foot support, dimensions may vary by about 5mm.</div> <div>※6 5inch resin core can not be installed.</div>							



H-MAX FLAT FRAME

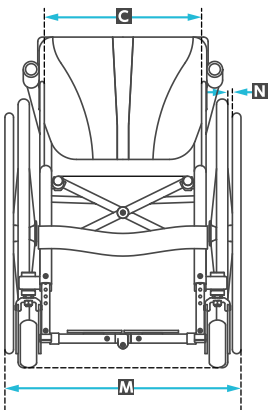
Specification data (unit : mm)

A Front seat height ※2※6		B Back seat height															
		24 inch								22 inch							
		360		380		400		420		345		365		385		405	
		Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long
390	4 inch	○	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-
	5 inch	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	Frog Legs	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	TSS (Foot support)	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
400	4 inch	○	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-
	5 inch	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	Frog Legs	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	TSS	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
410	4 inch	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	5 inch	×	-	×	×	-	-	-	-	×	-	×	×	-	-	-	-
	Frog Legs	○	-	×	×	-	-	-	-	○	-	×	×	-	-	-	-
	TSS	×	-	×	○	-	-	-	-	×	-	×	○	-	-	-	-
420	4 inch	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	5 inch	×	-	×	×	-	-	-	-	×	-	×	×	-	-	-	-
	Frog Legs	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	TSS	×	-	×	○	-	-	-	-	×	-	×	○	-	-	-	-
430	4 inch	○	-	○	○	○	○	-	-	○	-	○	○	○	○	-	-
	5 inch	×	-	×	○	×	×	-	-	×	-	×	○	×	×	-	-
	Frog Legs	○	-	○	○	×	×	-	-	○	-	○	○	×	×	-	-
	TSS	×	-	×	○	×	×	-	-	×	-	×	○	×	×	-	-
440	4 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	5 inch	-	-	○※1	○	×	×	-	-	-	-	○※1	○	×	×	-	-
	Frog Legs	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	TSS	-	-	○	○	×	○	-	-	-	-	○	○	×	○	-	-
450	4 inch	-	-	○	○	○	○	-	○	-	-	○	○	○	○	-	○
	5 inch	-	-	○※1	○	○	○	-	×	-	-	○※1	○	○	○	-	×
	Frog Legs	-	-	○	○	○	○	-	○	-	-	○	○	○	○	-	○
	TSS	-	-	○	○	×	○	-	×	-	-	○	○	×	○	-	×
460	4 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
	5 inch	-	-	-	-	○	○	-	×	-	-	-	○	○	-	-	×
	Frog Legs	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
	TSS	-	-	-	-	×	○	-	○	-	-	-	×	○	-	-	○
470	4 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
	5 inch	-	-	-	-	○※1	○	-	○	-	-	-	○※1	○	-	-	○
	Frog Legs	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
	TSS	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
480	4 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	5 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	Frog Legs	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	TSS	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
490	4 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	5 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	Frog Legs	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	TSS	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○

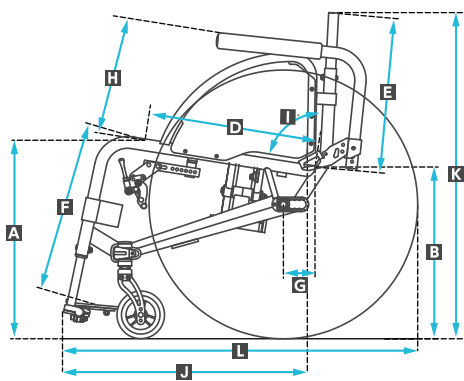
C Seat width	300・320・340・360・380・400・420
D Seat depth	340・360・380・400・420
E Back support height	Low type 300~380 / High type 370~450
F Foot support length ※3	High mount step 200~320 Bundled shipping Other steps 330・345・360・375・390・405・420・435
G Axle position	30・40・50・60・70 / 0 (Option kit)
H Straight arm support height ※4	Aluminium arm support 260~290 (10pitch)
I Back support angle	84°
J Frame length	Long 520 Short 490
K Total height ※5	740
L Full length ※5	Long 835 Short 785
M Full width ※5	505
N Hand rim spacing	5・10・15・20・25
Camber	2°selectable
Frame type	Short / Long

- ※1 TSS (foot support) is impossible.
※2 When the TSS item is marked with "x", irrespective of caster size, TSS is impossible.
※3 There is a condition in which the length can not be guaranteed due to the front seat height.
※4 It may not be possible to set due to the wheel size and the back seat height.
※5 Calculated based on the following specifications.
Back seat height 380mm / Front seat height 440mm / Seat width 320mm / Back support height 440mm / Foot support length 375mm / 24 SPINERGY LXL WHEEL / Wheel spoke / Wheel 4inches PU caster / Axle position 30mm
Hand rim aluminum spacing 10mm / Foot support TSSIV / M tackle brake / No other options
※6 Seat depth 380mm settings.
Depending on the seat depth setting, and axle position the size may change by about 5mm.

Front view



Side view



H-MAX WAVE FRAME

Specification data (unit : mm)

A Front seat height ※2※6		B Back seat height															
		24 inch								22 inch							
		360		380		400		420		345		365		385		405	
		Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long
390	4 inch	○	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-
	5 inch	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	Frog Legs	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	TSS	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
400	4 inch	○	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-
	5 inch	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	Frog Legs	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	TSS	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
410	4 inch	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	5 inch	×	-	×	×	-	-	-	-	×	-	×	×	-	-	-	-
	Frog Legs	○※1	-	×	×	-	-	-	-	○※1	-	×	×	-	-	-	-
	TSS	○	-	×	○	-	-	-	-	○	-	×	○	-	-	-	-
420	4 inch	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	5 inch	○※1	-	×	×	-	-	-	-	○※1	-	×	×	-	-	-	-
	Frog Legs	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	TSS	○	-	×	○	-	-	-	-	○	-	×	○	-	-	-	-
430	4 inch	○	-	○	○	○	○	-	-	○	-	○	○	○	○	-	-
	5 inch	○※1	-	○※1	○	×	×	-	-	○※1	-	○※1	○	×	×	-	-
	Frog Legs	○	-	○※1	○	○	○	-	-	○	-	○※1	○	○	○	-	-
	TSS	○	-	○	○	×	×	-	-	○	-	○	○	×	×	-	-
440	4 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	5 inch	-	-	○	○	×	×	-	-	-	-	○	○	×	×	-	-
	Frog Legs	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	TSS	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
450	4 inch	-	-	○	○	○	○	-	○	-	-	○	○	○	○	-	○
	5 inch	-	-	○	○	○※1	○	-	×	-	-	○	○	○※1	○	-	×
	Frog Legs	-	-	○	○	○※1	○	-	○	-	-	○	○	○※1	○	-	○
	TSS	-	-	○	○	○	○	-	×	-	-	○	○	○	○	-	×
460	4 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
	5 inch	-	-	-	-	○	○	-	×	-	-	-	○	○	-	-	×
	Frog Legs	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
	TSS	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
470	4 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
	5 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
	Frog Legs	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
	TSS	-	-	-	-	○	○	-	○	-	-	-	○	○	-	-	○
480	4 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	5 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	Frog Legs	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	TSS	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
490	4 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	5 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	Frog Legs	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	TSS	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○

C Seat width	300・320・340・360・380・400・420
D Seat depth	340・360・380・400・420
E Back support height	Low type 300~380 / High type 370~450
F Foot support length ※3	High mount step 200~320 Bundled shipping Other steps 330・345・360・375・390・405・420・435
G Axle position	30・40・50・60・70

S-MAX FLAT FRAME

Specification data (unit : mm)

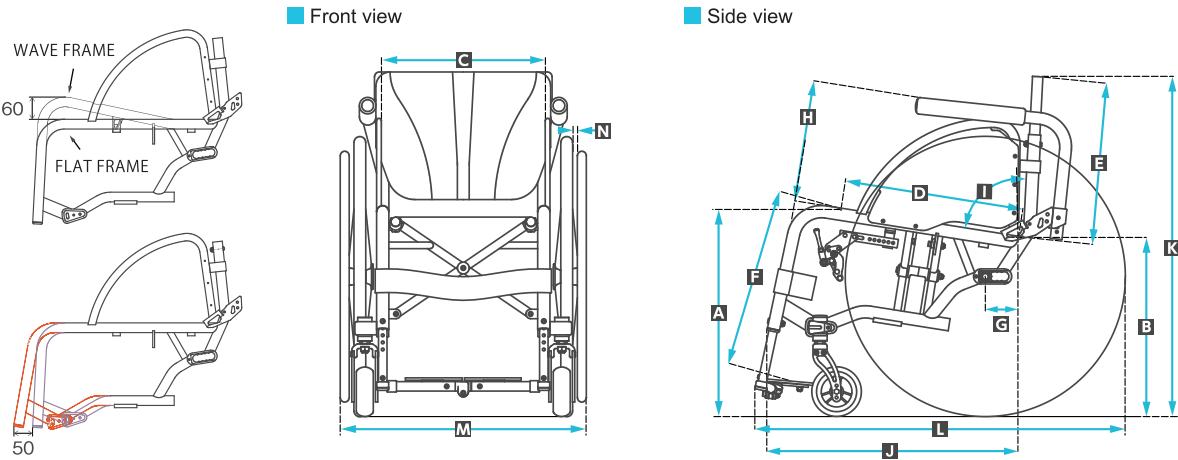
A Front seat height ※2※6		B Back seat height															
		24 inch								22 inch							
		360		380		400		420		345		365		385		405	
		Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long
390	4 inch	○	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-
	5 inch	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	Frog Legs	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	TSS	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
400	4 inch	○	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-
	5 inch	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	Frog Legs	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	TSS	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
410	4 inch	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	5 inch	×	-	×	×	-	-	-	-	×	-	×	×	-	-	-	-
	Frog Legs	○	-	×	×	-	-	-	-	○	-	×	×	-	-	-	-
	TSS	×	-	×	○	-	-	-	-	×	-	×	○	-	-	-	-
420	4 inch	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	5 inch	×	-	×	×	-	-	-	-	×	-	×	×	-	-	-	-
	Frog Legs	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	TSS	×	-	×	○	-	-	-	-	×	-	×	○	-	-	-	-
430	4 inch	○	-	○	○	○	○	-	-	○	-	○	○	○	○	-	-
	5 inch	×	-	×	○	×	×	-	-	×	-	×	○	×	×	-	-
	Frog Legs	○	-	○	○	×	×	-	-	○	-	○	○	×	×	-	-
	TSS	×	-	×	○	×	×	-	-	×	-	×	○	×	×	-	-
440	4 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	5 inch	-	-	○※1	○	×	×	-	-	-	-	○※1	○	×	×	-	-
	Frog Legs	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	TSS	-	-	○	○	×	○	-	-	-	-	○	○	×	○	-	-
450	4 inch	-	-	○	○	○	○	-	○	-	-	○	○	○	○	-	○
	5 inch	-	-	○※1	○	○	○	-	×	-	-	○※1	○	○	○	-	×
	Frog Legs	-	-	○	○	○	○	-	○	-	-	○	○	○	○	-	○
	TSS	-	-	○	○	×	○	-	×	-	-	○	○	×	○	-	×
460	4 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
	5 inch	-	-	-	-	○	○	-	×	-	-	-	○	○	○	-	×
	Frog Legs	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
	TSS	-	-	-	-	×	○	-	○	-	-	-	×	○	○	-	○
470	4 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
	5 inch	-	-	-	-	○※1	○	-	○	-	-	-	○※1	○	○	-	○
	Frog Legs	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
	TSS	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
480	4 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	5 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	Frog Legs	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	TSS	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
490	4 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	5 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	Frog Legs	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	TSS	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○

C Seat width	300・320・340・360・380・400・420
D Seat depth	340・360・380・400・420
E Back support height	Low type 300~380 / High type 370~450
F Foot support length ※3	High mount step 200~320 Bundled shipping Other steps 330・345・360・375・390・405・420・435
G Axle position	30・40・50・60・70/0 (Option kit)
H Straight arm support height ※4	Aluminium arm support 260~290(10pitch)
I Back support angle	84°
J Frame length	Long 520 Short 490
K Total height ※5	740
L Full length ※5	Long 835 Short 785
M Full width ※5	505
N Hand rim spacing	5・10・15・20・25
Camber	2°selectable
Frame type	Short / Long

- ※1 TSS (foot support) is impossible.
※2 When the TSS item is marked with "x", irrespective of caster size, TSS is impossible.
※3 There is a condition in which the length can not be guaranteed due to the front seat height.
※4 It may not be possible to set due to the wheel size and the back seat height.
※5 Calculated based on the following specifications.
Back seat height 380mm / Front seat height 440mm / Seat width 320mm / Back support height Low type 340mm / Foot support length 375mm / 24 SPINERGY LXL WHEEL / Wheel spoke / Wheel 4inches PU caster / Axle position 30mm
Hand rim aluminum spacing 10mm / Foot support TSSIV / M tackle brake / No other options
※6 Seat depth 380mm settings.
Depending on the seat depth setting, and axle position, the size may change by about 5mm.

S-MAX
FLAT FRAME
WAVE FRAME
Comparison
(unit : mm)

S-MAX
FLAT FRAME
(unit : mm)
LONG FLAME
SHORT FLAME



S-MAX WAVE FRAME

Specification data (unit : mm)

A Front seat height ※2※6		B Back seat height															
		24 inch								22 inch							
		360		380		400		420		345		365		385		405	
		Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long
390	4 inch	○	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-
	5 inch	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	Frog Legs	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	TSS	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
400	4 inch	○	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-
	5 inch	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	Frog Legs	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
	TSS	×	-	-	-	-	-	-	-	×	-	-	-	-	-	-	-
410	4 inch	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	5 inch	×	-	×	×	-	-	-	-	×	-	×	×	-	-	-	-
	Frog Legs	○※1	-	×	×	-	-	-	-	○※1	-	×	×	-	-	-	-
	TSS	○	-	×	○	-	-	-	-	○	-	×	○	-	-	-	-
420	4 inch	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	5 inch	○※1	-	×	×	-	-	-	-	○※1	-	×	×	-	-	-	-
	Frog Legs	○	-	○	○	-	-	-	-	○	-	○	○	-	-	-	-
	TSS	○	-	×	○	-	-	-	-	○	-	×	○	-	-	-	-
430	4 inch	○	-	○	○	○	○	-	-	○	-	○	○	○	○	-	-
	5 inch	○※1	-	○※1	○	×	×	-	-	○※1	-	○※1	○	×	×	-	-
	Frog Legs	○	-	○※1	○	○	○	-	-	○	-	○※1	○	○	○	-	-
	TSS	○	-	○	○	×	×	-	-	○	-	○	○	×	×	-	-
440	4 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	5 inch	-	-	○	○	×	×	-	-	-	-	○	○	×	×	-	-
	Frog Legs	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	TSS	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
450	4 inch	-	-	○	○	○	○	-	○	-	-	○	○	○	○	-	○
	5 inch	-	-	○	○	○※1	○	-	×	-	-	○	○	○※1	○	-	×
	Frog Legs	-	-	○	○	○※1	○	-	○	-	-	○	○	○※1	○	-	○
	TSS	-	-	○	○	○	○	-	×	-	-	○	○	○	○	-	×
460	4 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
	5 inch	-	-	-	-	○	○	-	×	-	-	-	○	○	○	-	×
	Frog Legs	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
	TSS	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
470	4 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
	5 inch	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
	Frog Legs	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
	TSS	-	-	-	-	○	○	-	○	-	-	-	○	○	○	-	○
480	4 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	5 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	Frog Legs	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	TSS	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
490	4 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	5 inch	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	Frog Legs	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○
	TSS	-	-	-	-	-	-	-	○	-	-	-	-	-	-	-	○

C Seat width	300・320・340・360・380・400・420
D Seat depth	340・360・380・400・420
E Back support height	Low type 300~380 / High type 370~450
F Foot support length ※3	High mount step 200~320 Bundled shipping Other steps 330・345・360・375・390・405・420・435
G Axle position	30・40・50

A-MAX

Specification data (unit : mm)

A Front seat height ※2※6			B Back seat height															
			24 inch								22 inch							
			360		380		400		420		345		365		385		405	
		Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	
400	4 inch	○	○	-	-	-	-	-	-	○	○	-	-	-	-	-	-	
	5 inch	×	×	-	-	-	-	-	-	×	×	-	-	-	-	-	-	
	6 inch	×	×	-	-	-	-	-	-	×	×	-	-	-	-	-	-	
	Frog Legs	×	×	-	-	-	-	-	-	×	×	-	-	-	-	-	-	
	TSS	○	○	-	-	-	-	-	-	○	○	-	-	-	-	-	-	
410	4 inch	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-	
	5 inch	×	×	×	×	-	-	-	-	×	×	×	×	-	-	-	-	
	6 inch	×	×	×	×	-	-	-	-	×	×	×	×	-	-	-	-	
	Frog Legs	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-	
	TSS	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-	
420	4 inch	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-	
	5 inch	○※1	○	○※1	○	-	-	-	-	○※1	○	○※1	○	-	-	-	-	
	6 inch	×	×	×	×	-	-	-	-	×	×	×	×	-	-	-	-	
	Frog Legs	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-	
	TSS	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-	
430	4 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-	
	5 inch	-	-	○※1	○	○※1	○	-	-	-	-	○※1	○	○※1	○	-	-	
	6 inch	-	-	×	×	×	×	-	-	-	-	×	×	×	×	-	-	
	Frog Legs	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-	
	TSS	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-	
440	4 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-	
	5 inch	-	-	○※1	○	○※1	○	-	-	-	-	○※1	○	○※1	○	-	-	
	6 inch	-	-	×	○※1	×	○※1	-	-	-	-	×	○※1	×	○※1	-	-	
	Frog Legs	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-	
	TSS	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-	
450	4 inch	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○	
	5 inch	-	-	-	-	○※1	○	○※1	○	-	-	-	-	○※1	○	○※1	○	
	6 inch	-	-	-	-	×	○※1	×	○※1	-	-	-	-	×	○※1	×	○※1	
	Frog Legs	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○	
	TSS	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○	
460	4 inch	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○	
	5 inch	-	-	-	-	○※1	○	○※1	○	-	-	-	-	○※1	○	○※1	○	
	6 inch	-	-	-	-	×	○※1	×	○※1	-	-	-	-	×	○※1	×	○※1	
	Frog Legs	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○	
	TSS	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○	
C Seat width			300・320・340・360・380・400・420														※1 TSS (foot support) is impossible. ※2 When the TSS item is marked with "x", irrespective of caster size, TSS is impossible. ※3 There is a condition in which the length can not be guaranteed due to the front seat height. ※4 It may not be possible to set due to the wheel size and the back seat height. ※5 Calculated based on the following specifications Back seat height 380mm / Front seat height 440mm / Seat width 320mm / Back support length 440mm / Low type 340mm / Foot support length 375mm / 24 SPINERGY LXL WHEEL / Wheel spoke 4mm / Wheel 4inches PU caster / Axle position 30mm / Hand rim aluminum spacing 10mm / Foot support length 375mm / TSSIV / M tackle brake / No other options	
D Seat depth			340・360・380・400・420															
E Back support height			Low type 300~380 / High type 370~450															
F Foot support length ※3			High mount step 200~320 Bundled shipping Other steps 330・345・360・375・390・405・420・435															
G Axle position			20・30・40・50・60・70															
H Straight arm support height ※4			Aluminium arm support 260~290(10pitch)															
I Back support angle			86°															
J Frame length			Long 530 Short 480															
K Total height ※5			770															
L Full length ※5			820															
M Full width ※5			505															
N Hand rim spacing			5・10・15・20・25															
Camber			Can not be adjusted															
Frame type			Short / Long															

- ※1 TSS (foot support) is impossible.
- ※2 When the TSS item is marked with "x", irrespective of caster size, TSS is impossible.
- ※3 There is a condition in which the length can not be guaranteed due to the front seat height.
- ※4 It may not be possible to set due to the wheel size and the back seat height.
- ※5 Calculated based on the following specifications.
Back seat height 380mm / Front seat height 440mm / Seat width 320mm / Back support height Low type 340mm / Foot support length 375mm / 24 SPINERGY LXL WHEEL / Wheel spoke / Wheel 4inches PU caster / Axle position 30mm Hand rim aluminum spacing 10mm / Foot support TSSIV / M tackle brake / No other options
- ※6 Seat depth 380mm settings.
Depending on the seat depth setting, and axle position, the size may change by about 5mm.

A-MAX SWING

Specification data (unit: mm)

A Front seat height ※2※7		B Back seat height															
		24 inch								22 inch							
		360		380		400		420		345		365		385		405	
	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	
400	4 inch	○	○	-	-	-	-	-	-	○	○	-	-	-	-	-	-
	5 inch	×	×	-	-	-	-	-	-	×	×	-	-	-	-	-	-
	6 inch	×	×	-	-	-	-	-	-	×	×	-	-	-	-	-	-
	Frog Legs	×	×	-	-	-	-	-	-	×	×	-	-	-	-	-	-
	TSS	×	×	-	-	-	-	-	-	×	×	-	-	-	-	-	-
410	4 inch	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-
	5 inch	×	×	×	×	-	-	-	-	×	×	×	×	-	-	-	-
	6 inch	×	×	×	×	-	-	-	-	×	×	×	×	-	-	-	-
	Frog Legs	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-
	TSS	×	×	×	×	-	-	-	-	×	×	×	×	-	-	-	-
420	4 inch	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-
	5 inch	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-
	6 inch	×	×	×	×	-	-	-	-	×	×	×	×	-	-	-	-
	Frog Legs	○	○	○	○	-	-	-	-	○	○	○	○	-	-	-	-
	TSS	×	×	×	×	-	-	-	-	×	×	×	×	-	-	-	-
430	4 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	5 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	6 inch	-	-	×	×	×	×	-	-	-	-	×	×	×	×	-	-
	Frog Legs	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	TSS	-	-	×	×	×	×	-	-	-	-	×	×	×	×	-	-
440	4 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	5 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	6 inch	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	Frog Legs	-	-	○	○	○	○	-	-	-	-	○	○	○	○	-	-
	TSS	-	-	×	×	×	×	-	-	-	-	×	×	×	×	-	-
450	4 inch	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○
	5 inch	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○
	6 inch	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○
	Frog Legs	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○
	TSS	-	-	-	-	×	×	×	×	-	-	-	-	×	×	×	×
460	4 inch	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○
	5 inch	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○
	6 inch	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○
	Frog Legs	-	-	-	-	○	○	○	○	-	-	-	-	○	○	○	○
	TSS	-	-	-	-	×	×	×	×	-	-	-	-	×	×	×	×
C Seat width		300・320・340・360・380・400・420															
D Seat depth		Long 340・360・380・400・420 ※6 Short 340・360															
E Back support height		Low type 300~380 / High type 370~450															
F Foot support length ※3		High mount step 200~320 Bundled shipping Other steps 330・345・360・375・390・405・420・435															
G Axle position		Long 20・30・40・50 Short 20・30															
H Straight arm support height ※4		Aluminium arm support 260~290(10pitch)															
I Back support angle		86°															
J Frame length		Long 540 Short 500															
K Total height ※5		770															
L Full length ※5		Long 820 Short 770															
M Full width ※5		505															
N Hand rim spacing		5・10・15・20・25															
Camber		Can not be adjusted															
Frame type		swing-out															

※1 TSS (foot support) is impossible.

※2 When the TSS item is marked with "x", irrespective of caster size, TSS is impossible.

※3 There is a condition in which the length can not be guaranteed due to the front seat height.

※4 It may not be possible to set due to the wheel size and the back seat height.

※5 Calculated based on the following specification
Back seat height 380mm / Front seat height 440mm / Seat width 320mm / Back support height 770mm
Low type 340mm / Foot support length 375mm
/ 24 SPINERGY LXL WHEEL / Wheel spoke 10mm / Wheel 4inches PU caster / Axle position 30mm
Hand rim aluminum spacing 10mm / Foot support length 375mm
TSSIV / M tackle brake / No other options

- ※1 TSS (foot support) is impossible.
- ※2 When the TSS item is marked with "x", irrespective of caster size, TSS is impossible.
- ※3 There is a condition in which the length can not be guaranteed due to the front seat height.
- ※4 It may not be possible to set due to the wheel size and the back seat height.
- ※5 Calculated based on the following specifications.
Back seat height 380mm / Front seat height 440mm / Seat width 320mm / Back support height Low type 340mm / Foot support length 375mm / 24 SPINERGY LXL WHEEL / Wheel spoke / Wheel 4inches PU caster / Axle position 30mm Hand rim aluminium spacing 10mm / Foot support TSSⅣ / M tackle brake / No other options
- ※6 When selecting 420mm seat depth, interference will occur with swing-in function.
- ※7 Seat depth 380mm settings.
Depending on the seat depth setting, and axle position, the size may change by about 5mm.

Caution

- TSS etc. joint step can not be selected at all.
- 6inch casters can not be selected for front seat height of 440mm or less.

