



Honda develops, manufactures, and sells racing wheelchairs that integrate technologies and expertise from across the Honda Group based on the concept of “delivering the smile of victory to the athlete.”

Honda Motor Co., Ltd. Honda R&D Co., Ltd. Yachiyo Industry Co., Ltd. Honda Sun Co., Ltd.

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<https://racer.honda-sun.co.jp/en/>

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Racing wheelchair



[STANDARD]





[STANDARD]

Full-carbon racer for the international athlete

With an unmitigated passion for winning,
we developed this dependable racing wheelchair
by adopting carbon materials for the main frame,
seat frame and wheels and then making various
refinements in pursuit of the lightest, stiffest racer possible.



Hybrid racer for the emerging athlete

Based on the same design concept as KAKERU,
but built so more athletes can experience
the joy of racing. This hybrid racer combines
a carbon main frame with an aluminum seat frame.



3D measurement technology

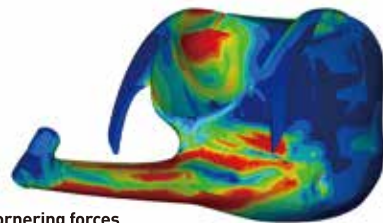
The seat frame is customized to fit each athlete's
unique body.

*The athlete's measurements will be taken
at a designated Honda location.



Advanced carbon design technology

Ultralight carbon wheels and vibration-damping
carbon frame employ an optimized layered design
that draws on the unique properties of composite
material.



Analysis of cornering forces
on frame structure

Ultralight High-rigidity Wheels

The new carbon wheel structure is
both ultralight and highly-rigid to
transfer maximum power from the
athlete's arms to the road. The
number of carbon sheet ply can be
customized with up to two additional
ply for athletes seeking even greater
rigidity.



*Both the inner and outer ply
customizations are available as an option.
*Tires not included.

Light Carbon Handrim

The carbon hand rims are highly circular to reduce
missed catches. They can also be customized with a
diamond coating to help maintain grip strength even
in rain. (Optional, choice of two types of granularity)



*Light carbon handrims are compatible only with
Honda-manufactured wheels
(ultralight high-rigidity wheels and standard wheels).

Frame and Front Fork

With the concept of "sharing the smile of victory",
the front area has been redesigned to better match
that of the Kakeru Flagship racer. It also utilizes the
same carbon front fork as the Kakeru Flagship
racer. (From the 2021 model)



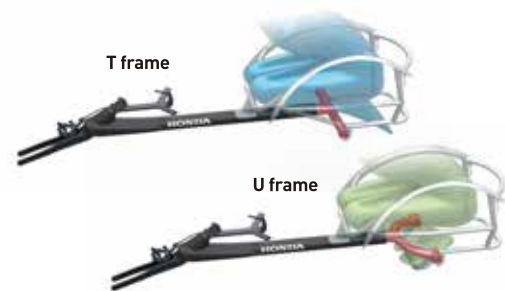
Built-in Damper

Just as with the Kakeru Flagship racer,
the steering damper has been housed inside the frame
with a design that both protects critical driving
components and enables a clean and elegant front
fork. (From the 2021 model)



Two seat frame types

Choose from two types of seat frames—the T frame
and U frame—depending on how you like to sit.



Standard wheels

Like the hybrid racer itself, these hybrid wheels are
made from carbon and aluminum so more athletes
can experience the joy of racing.



Main Specs

Part	Frame	Rear wheel	Handrim
Name	KAKERU STANDARD	Ultralight High-rigidity Wheel	Light Carbon Handrim
Structure	Carbon monocoque frame, Carbon front fork	Carbon outer layer, ROHACELL® core	Carbon, aluminum for mounting parts
Size	Frame length (Standard size): 1,750-1,850mm Frame width (Standard size): 250-400mm <small>*Size customization available (may not be possible depending on the order details)</small>	27 inch	360mm/370mm/380mm
Standard weight	8,000g <small>*When Ultralight High-rigidity Wheels are equipped</small>	Normal wheel: 850g / 1 additional ply: 910g / 2 additional ply: 970g <small>*When handrim and tire are not equipped</small>	150g <small>*When a collar and washer are not installed</small>
Color	Carbon surface	Carbon surface	Carbon surface
MSRP	¥2,630,000 (without tax) Set (Frame, Front wheel, Ultralight High-rigidity Wheels, Light Carbon Handrims, and Tires) ¥3,130,000 (without tax)	1 set (2 wheels) Normal wheel: ¥600,000 / 1 additional ply: ¥690,000 / 2 additional ply: ¥780,000 (all without tax) <small>*Tires not included.</small>	1 set (2 handrims) Normal wheel: ¥150,000 / Diamond-coated type: ¥220,000 (both without tax) <small>*Choice of coarse or fine diamond granularity (equivalent to P200 or P400 sandpaper, respectively)</small>

*Set details: Front wheels (CFRP): Corima, Tires: Panaracer, Changes to the set content are not accepted. *Prices do not include maintenance, service, and other fees. *Specifications are subject to change at any time without notice.

Main Specs

Part	Frame	Rear wheel	Handrim
Name	IDOMI	Standard Wheel	Light Carbon Handrim
Structure	Carbon main frame, Aluminum seat frame, Carbon front fork	Carbon outer layer, carbon beam, aluminum	Carbon, aluminum for mounting parts
Size	Frame length: 1,750mm/1,800mm/1,850mm Frame width: 270-420mm	27 inch	360mm/370mm/380mm
Standard weight	9,000g <small>*When Standard Wheels are equipped</small>	1,150g <small>*When handrim and tire are not equipped</small>	150g <small>*When a collar and washer are not installed</small>
Color	Main frame is carbon surface. Aluminum parts are anodized.	Carbon surface	Carbon surface
MSRP	¥860,000 (without tax) Set (Frame, Front wheel, Standard Wheels, Light Carbon Handrims, and Tires) ¥1,160,000 (without tax)	1 set (2 wheels) ¥350,000 (without tax) <small>*Tires not included.</small>	1 set (2 handrims) Normal wheel: ¥150,000 / Diamond-coated type: ¥220,000 (both without tax) <small>*Choice of coarse or fine diamond granularity (equivalent to P200 or P400 sandpaper, respectively)</small>

*Set details: Front wheel (Aluminum), Tires: Panaracer, Changes to the set content are not accepted. *Prices do not include maintenance, service, and other fees. *Specifications are subject to change at any time without notice.