

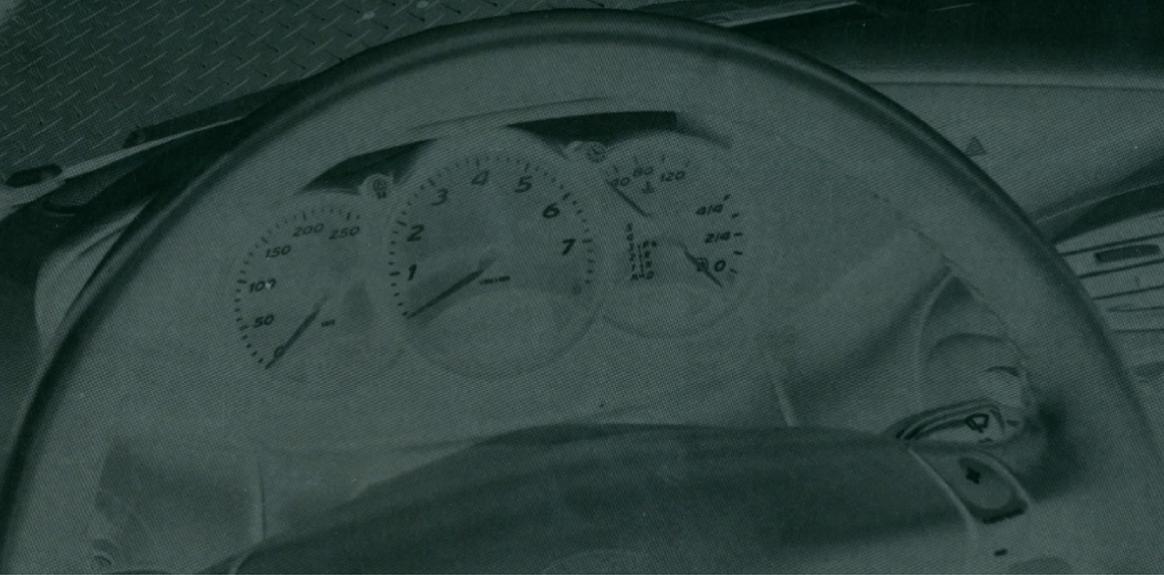
The logo for KYOKUTO, featuring a stylized red and grey graphic element to the left of the brand name in white capital letters.

KYOKUTO

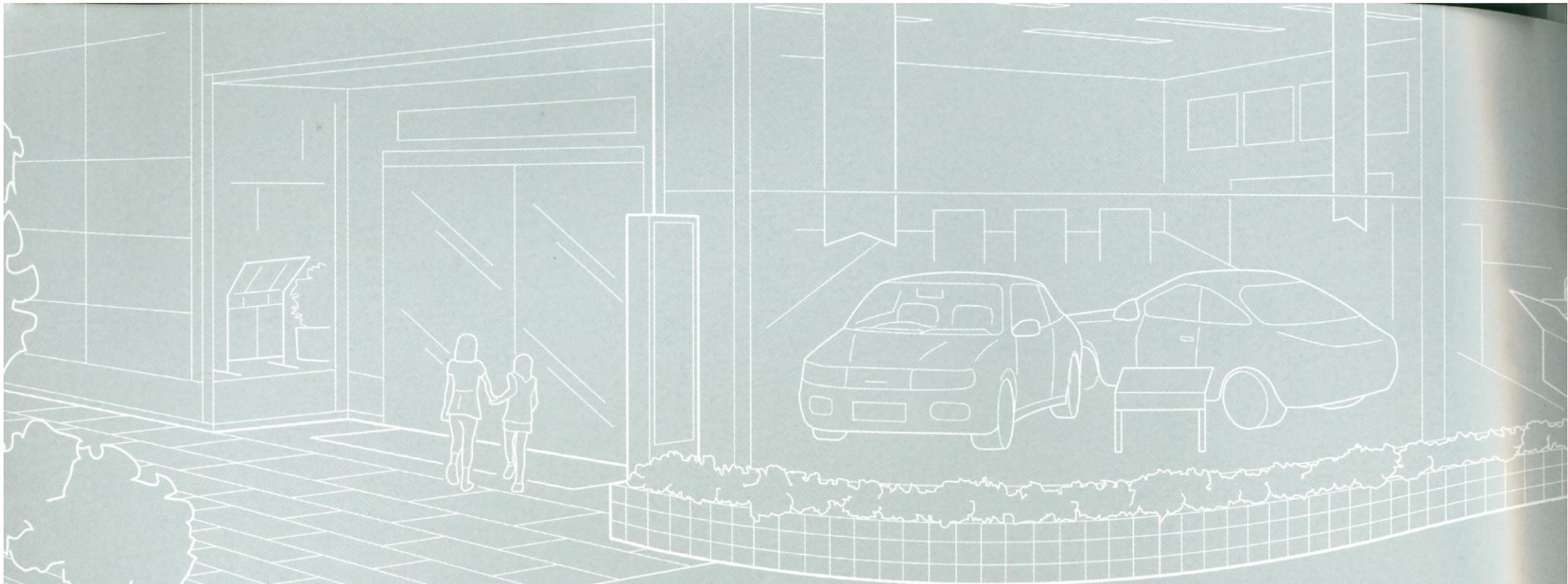
No.1399

The product name 'FLATOP Zero' in a stylized font. 'FLATOP' is in grey, and 'Zero' is in red with a large, bold 'Z'.

FLATOP **Zero**

A close-up view of the vehicle's steering wheel and dashboard, showing various gauges and controls. The steering wheel is in the foreground, and the dashboard with several gauges is visible behind it.

The photos includes optional specifications.
Special colors and modified photos may be used.



Wide range Carrier car

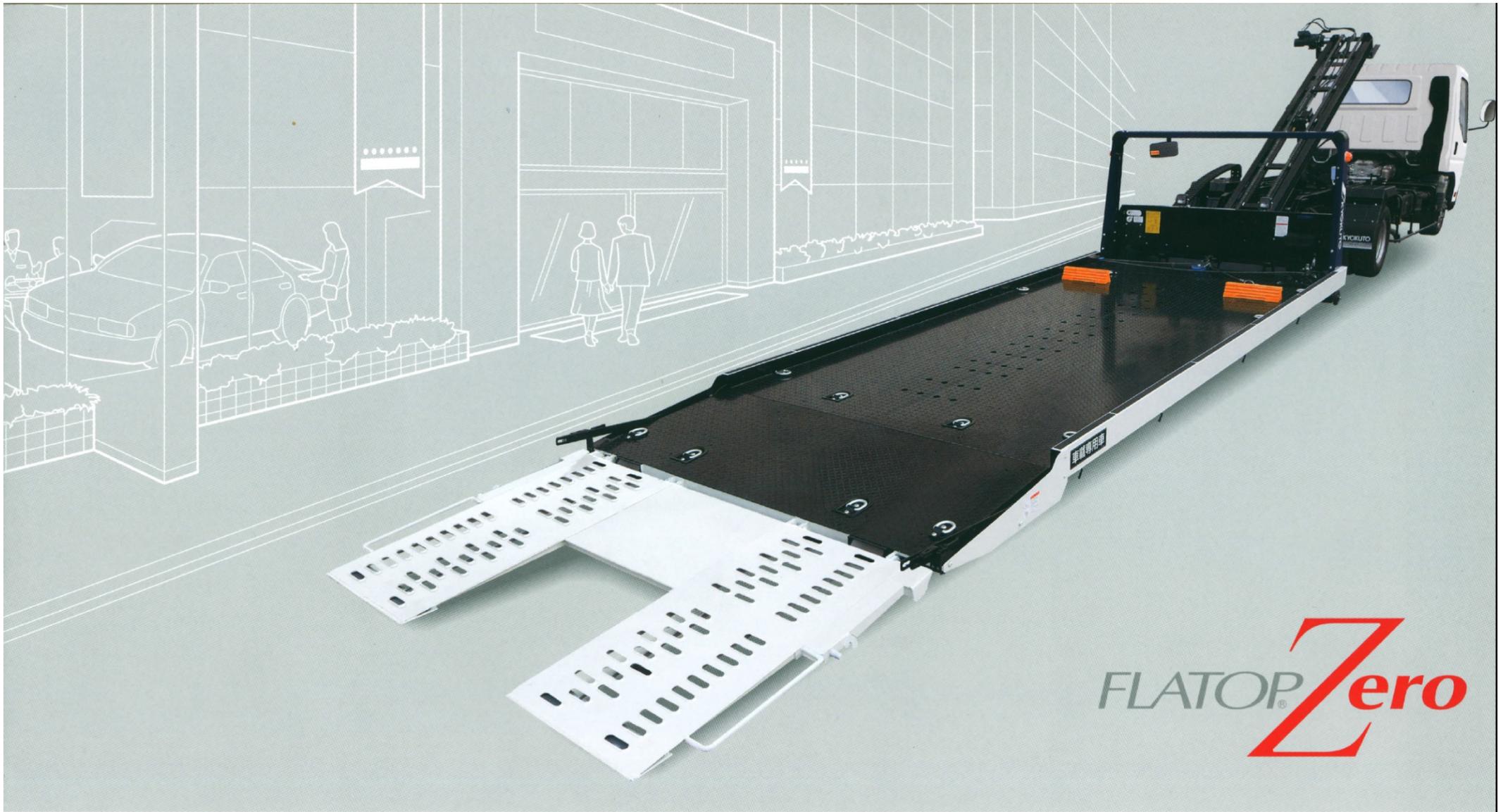
■ A wide range of load angle

With a wide range load angle, the unit adjusts to suit the conditions required on site. Provided that the rear rollers make ground contact when loading, the tray can be adjusted from 0.9~12° catering for all loading angles. Newly improved model adjusts better to suit the conditions.

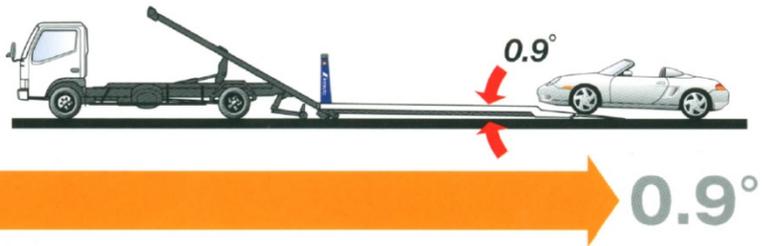


12°

Loading can be carried anywhere in this range



FLATOP[®] Zero



A superior vehicle carrier designed to suit the requirement

"I want a loader that I can work with easily and smoothly out in the field..."

With this idea, developers designed this new model to suit customer requirement that has not been available to date. This model can be laid out fully flat in areas where space allows, but also providing options for when there are restrictions on loading space.

The Flat Zero has been designed to cater to a wide range of loading requirements from flat areas to tighter loading conditions.

The Full Flat vehicle carrier is a pioneer to this field brought to you by Kyokuto Kaihatsu.

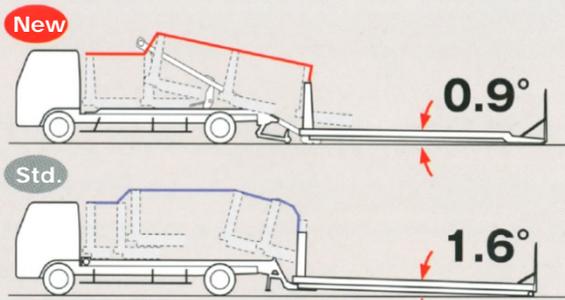
FLATOP Zero



Flat ground loading: Easy flat loading mechanism

Through the outfitting of the new tilting frame and new lifting mechanism, easier tilting for loading is achieved within the same loading space on previous models. The new system brings new peace of mind for unloading. (As shown in diagram to the right)

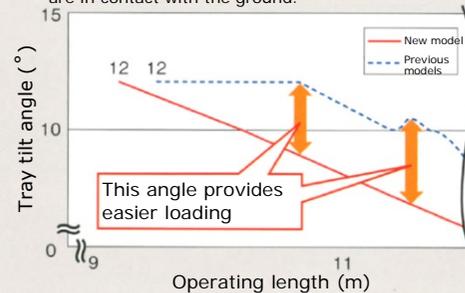
*Roller positioned at end of loading tray must be in contact with the ground.



A wider range of loading angle options are available from 0.9° ~ 12° in the same allowable space on former models. This ensures safer operation to suit loading / unloading requirements.

Comparison chart on loading length requirements

*Loading angles based from when the end tray rollers are in contact with the ground.



Smoother vehicle loading

Loading/unloading of vehicles with low level chassis are now easier with the new 4.5° loading angle.

The 1150mm tail gate fitted to the specially designed vehicle tray allows for car loading at 4.5°. This makes loading cars with low level chassis easier.

*The 1500mm tail gate option allows for even greater loading requirements if necessary.

Safety & Speedy



Remote control as standard

Speed control equipped remote control allows for safer operation.



4.5°

Select the setting to suit the requirement

■ IDLE UP

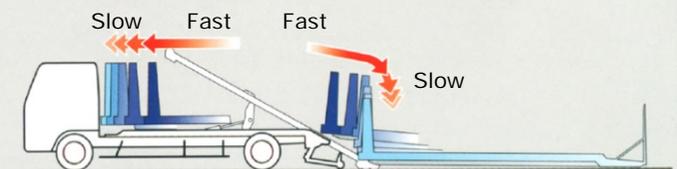
Top of its class, the Loading/Unloading is 1.5 times faster using the convenient Idle UP function. Singlehanded easy operation from both outside or inside the vehicle being loaded is possible here. Speed setting options are also available to suit.

Increase speed at a touch of a button!



● Shockless Functionality

An auto speed reduction function activates when the tray is coming close to the end of its load/unload stroke. This function ensures smoother load/unload operations bring further peace of mind.





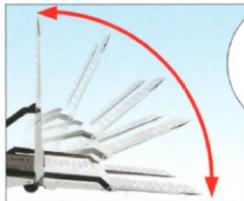
Smooth loading/unloading is now safer with the many features offered here

Industry-first

Auto OPEN/CLOSE radio controlled tailgate

Auto Tail Gate

Open/Closing of the tail gate via hydraulic mechanism is operated by the remote control. With the end user in mind, the all new industry first auto operating tailgate from when the tray is in its grounded position, provides customers with a superior system.



Option



● R/L interlocks automatically activate on selection of the when the auto tailgate option is selected.

One handed easy release

R/L interlocking operation

Option

Tailgate automatically locks both R/L sides when in its upright (housed) position. Both locks are easily released by operating only one side through the interlocking system.



▲ Lever being pulled (Releasing locks)

● Winching hooks are positioned in 3 convenient places in order to help loading/unloading work.



● Comes with 2t auto clutch fitted hydraulic winch as standard.



*Auto Tailgate mechanism and R/L interlocking system are supplied as a combination.

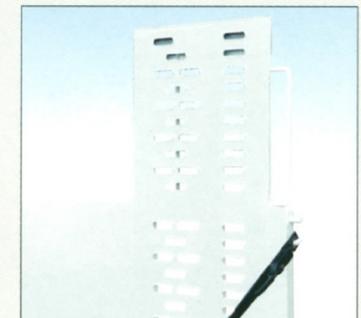


■ In pursuit of beauty and functionality
Exterior Design

A new design which includes resin based corner covers on the front pillar framing and a tray finished off nicely in black paint gives this carrier a new image which stands out from other models. Both design and practicality come together here with white guidelines and large scale burling frame helps for safe and easy load/unloading.

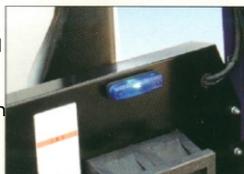


▲ Front pillar frame



▲ Tailgate

- Clutch lighting provided as standard specification, provides easy confirmation of winch clutch activation.



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- Designed for easy reach activation in an emergency, the winch op. switch positioned on the outside of the front pillar framing is provided as standard spec.



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- Anti-body sway and movement systems provide excellent stability during transport.



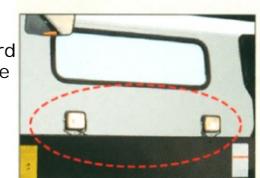
- Newly designed higher shaped easy loading ramp



- Under mirror positioned to show the current state of the clamps from the driver's seat.



- Operating lights provided as standard specification provide safer working conditions at night.



Less operating space required using the same angle

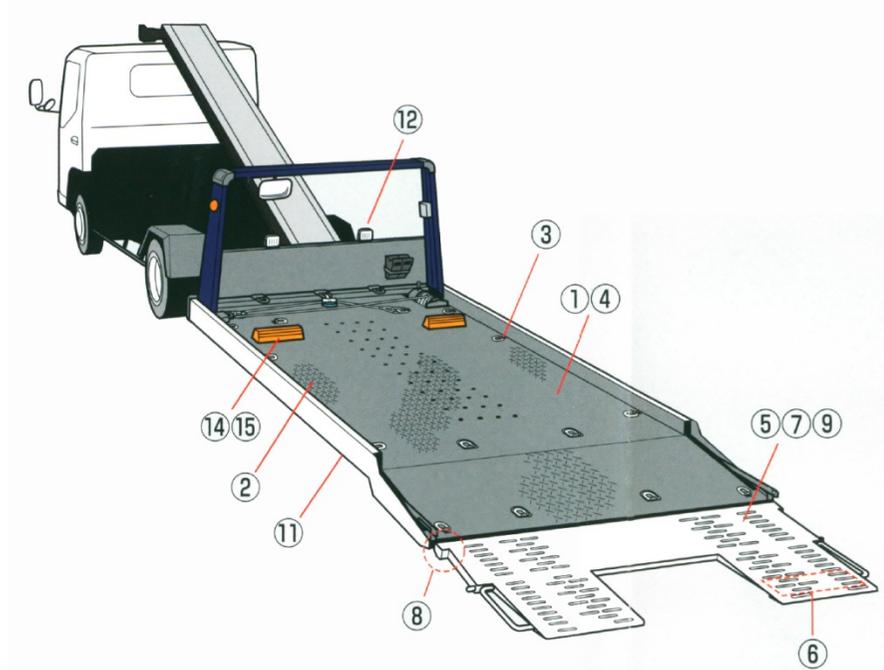
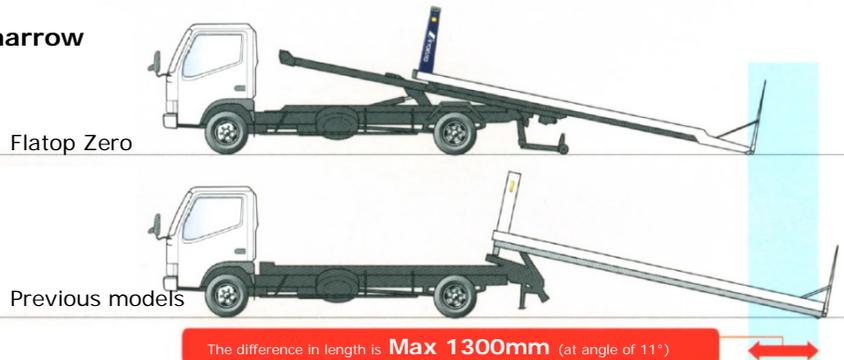


Plenty of space even in narrow spaces

Flatop Zero enables a loading operation to be carried out with a short operating length as compared to previous models with the same tilt angle (maximum 1300 mm at tilt angle of 11°).

As compared to previous models, this feature expands the operable area.

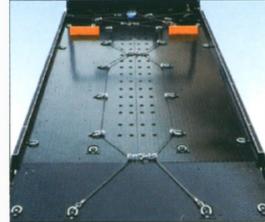
*Except during full-flat



Body related parts	1	One touch holders
	2	Wheel holder
	3	Additional hook holders
	4	Deck grip mesh
	5	Tailgate grip mesh
	6	Tailgate end rubber cushion
	7	Tailgate height adjuster H1500mm
	8	Optional rubber rollers
	9	Black painted tailgate surface
Option	10	Heavy vehicle auto jack
	11	Marker lamps installation (LED spec)
	12	Ext/Ret Op. light
Load Option	13	Remote control with additional coding requirement
	14	Standard deck wheel stops H100mm
	15	Low deck wheel stops H60mm
	16	Chain fitted load tightening device
	17	Load/Unload plate H45mm L900mm

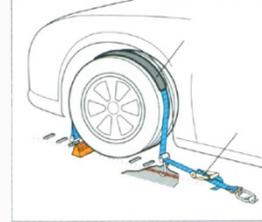
Body options

1 One touch holders



Wire ropes are affixed to the deck to secure to loaded vehicles providing further support during transport.

2 Wheel holders



Wheel holding belts are attached to hooks placed on the wire ropes are affixed to the deck sides to secure to loaded vehicles providing further support during transport.

3 Hooks holders

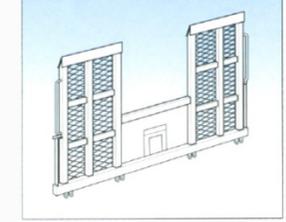


4 Deck grip mesh



Provides less chance of slipping during load/unload in wet or poor conditions

5 Tailgate grip mesh



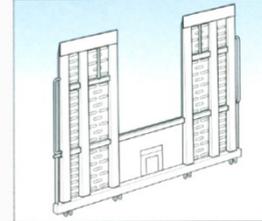
Provides less chance of slipping during load/unload in wet or poor conditions

6 Tailgate end rubber cushion



Provides protection from scratches and dents etc

7 Tail height



Load angle height can be lowered to suit vehicles with low chassis

8 Rubber rollers



Designed to prevent damage to the ground contact surface during the slide process

9 Black painted tailgate surface



10 Heavy vehicle auto jack



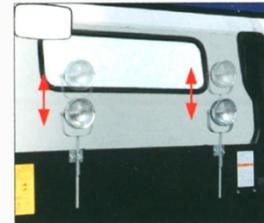
Designed for heavier vehicles i.e. farming vehicles

Outfit Parts

11 Marker lamps (LED spec)



12 EXT/RET Op. light



13 Remote control with additional coding



14 Standard deck wheel stops H100mm



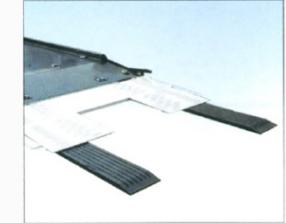
15 Low deck wheel stop H60mm



16 Chain fitted tightening device



17 Loading plate H45mm L900mm



Designed for low chassis type vehicles

*Multiple option selection may not always be possible.
*Actual may differ from pictured item

MAIN SPECIFICATIONS

Unit Model	JN02-45	JN04-45	JN02-44	JN04-44
Purpose	Specialized car work		Carrier work	
Required Chassis	2~3.5t Class	4t Class	2~3.5t Class	4t Class
Vehicle dimensions				
Length* (a)mm	7540~7615	7830~8200	6840~6915	7130~7500
Width (b)mm	2190	2320	2190	2320
Height * (c)mm	2145~2255	2450~2550	2145~2250	2450~2550
Tray dimensions				
Inner length mm	5700		5000	
Inner width mm	2070	2200	2070	2200
Height mm	78			
Max load *1	2000~3500*3	3000 *3	2000~3500*3	3000 *3
Op. length (e)	12850	13500	12150	12800
Tray inclination				
Load/Unload	0.9 approx.		1.1 approx.	
Max. incline on uplift	12 approx.		14 approx.	
Tailgate incline	4.5 approx.		7 approx.	
Op. Method	Radio control, Toggle switch in emergency			
Winch				
IN (t)	2.0 (Single rope)			
Rope (t)	Ø10mmx16m (With Small type G hook)			
Op.	Radio control, Toggle switch in emergency			
Standard attachments	2 x Op. light, 2 x Wheel stops, 1 x Body front under mirror, R/L Body side anti slip units, 1x STC side lifter, 2x Deck wheel stops (H100mm), 14x Hooks (4x inset hooks), 2x Load strappers			

*1: Figures differ depending on model

*2: Deck may need strengthening for transportation of other than normal passenger vehicles. Consult your local dealer for more details.

*3: Extra reflector apparatus on rear may be required for when transporting loads of over 3 tons

Caution: Winch operators are required to have passed a course on winch operation techniques

Information in this catalog is subject to alteration without notification.

Max weight shown in the specification sheet may differ depending on the weighing scales being used.

Some illustrations in this catalog show option fitted versions.

Colors shown in this catalog may differ in reality due to the nature of printed material, and photo quality etc.

Make sure all operators read and understand any operational manuals/information before use.

The manufacturer, trademark and logo and all registered items

This catalog was produced in November 2011

Kyoku Kaihatsu

Dimensions

