

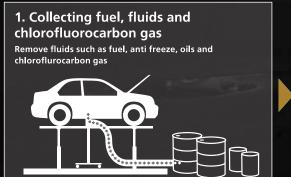


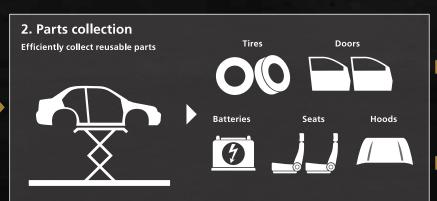
Variety and Individuality. All Parts of the Body

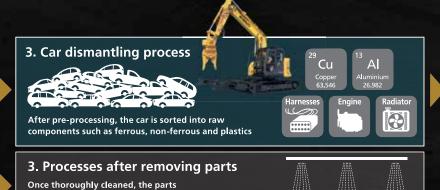
are Specialized for Auto Recycling Work.



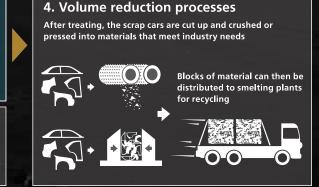
Dismantling process flow chart How the car dismantling process works







become good quality recycled parts





To the next level of power and functional aesthetics

A high-output engine compliant with the newest regulations

Engines matched to provide maximum performance and smother operations for lifting and pulling applications.

Engine output

SK140SRD-7

96hp {71.5kW} / 2,000rpm

(SAE NET)

SK210D-11

160hp {119kw} / 2,000rpm

Model: YANMAR 4TN107FTT



Air suspension seat

GRAMMER* air suspension seat with heat is standard. It has superior shock absorption and can be used for long periods of time and reducing fatigue.

Equipment that improves time spent in the cab





12 V Power supply / USB port



Operability

Stress-free work performance.



Proportional controlled hydraulics

The nibbler open/close and rotate functions are controlled by proportional slides on the joysticks that allow for smooth and precise movement. Fine movements can be easily performed, and clamp-arm movements can be performed simultaneously in combination with the foot pedal for increased work efficiency.

Advanced LED backlight

Switches and dials utilize LED backlighting to increase visibility at night and improves the ambiance of the interior.



The left console has a safety lever to raise the console at a steep angle for ease of access and exit.



SK140SRD-7

Dowr

Clamp

Superior stability

more efficient operation.

III SK2100

WHITH THE PARTY OF

SK210D-11

Heavier counterweights are included as standard equipment. Higher stability means less rocking of the body and

New tilting console for ease of entry and exit

A jog dial for simple operation

Multiple operations can be performed

with the jog dial. By simply turning,

selecting, pushing, and confirming

while navigating through the dial

display.

Large easy-to-see

ď,

8

10-inch color monitor

contributing to safe operation.

KOBELCO

Important information is easy to read,

and operations can be performed from a

simple menu screen. The camera can also

be easily checked from the large screen,

E *



The cab is equipped with a bright LED light that automatically lights up when the door is opened or when the key is turned off.

Automatic LED door light





Cab interference warning

that prevents nibbler from contacting cab

Cab-interference prevention device

Angle sensors in the boom, arm, and idler link calculate the position and orientation of the multi-use dismantling nibbler. If the nibbler gets close to the cab, a warning will be displayed on the screen, and it will automatically stop if it enters the interference-danger zone.





Poom angle sensor

ngle sensor Arm-angle sen

Bucket-angle senso

Cab protected for auto recycling

A new cab with wire mesh guard on the front and a heavy FOPS Level II guard on the top window are hinged to open for easy glass cleaning. The front and right-side windows have shatter resistant film applied to help protect the operator.





A front-side polycarbonate guard is available as an option.

This high-strength guard can block even small fragments. It has scratch resistance to maintain a clear view. Must be ordered with HD bar guard.







iNDr absorbs sound energy to minimize noise by making a path of air, which cools down the engine. The SK140SRD is equipped with a selective catalytic reduction (SCR) unit, which required a new design with two offset ducts on top. This allows ample space to absorb engine noise.

Eliminating dust maintains cooling system performance

The high-density 30-mesh* filters dust in the intake air. This prevents clogging of the cooling system and the air cleaner, which maintains peak performance. The waveform filter allows air through the tops of the waves while collecting dust at the bottom, ensuring a smooth airflow.



Blocking out dust



holes formed by horizontal and vertical wires in every square inch of filter.

* "30-mesh" means that there are 30

How the filter catches dust

VisibilityBetter Visibility for Better Safety

LED lights for improving work visibility

The excavator is equipped with bright LEDs on both sides of the boom, in 2 places on the top of the cab, and on the upper right of the body, in 2 places on the counterweight to ensure excellent work visibility when working at night, during dusk, or when working inside.



2 lights on the boom



2 lights on the cab



Working light on the upper body



2 on the counterweight

Rear left and right side images and right side images / three side view

The body has cameras on the rear, right, and left sides. The large color monitor can be used to check the visibility around the machine for additional safety. Multiple viewing options allow the operator to customize what is being displayed.





hree sided view

KOBELCO MONITORING EXCAVATOR SYSTEM

Total support for machines with network speed and accuracy

KOMEXS is a telematics system for receiving machine information. Manage your machines anywhere in the world using the Internet. Location, workload and diagnostic data aid business operations.

KOBELLO

Direct access to operational status

Location data

Accurate location data can be obtained even from sites where communications are difficult.

Fuel consumption data

Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

Operating hours

A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable. Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.

Graph of work content

The graph shows how working hours are divided among different operating categories, including digging, idling, traveling, and optional operations (N&B).



Security system

Engine start alarm

Sends a notification if the engine is started outside of pre-defined hours.

Maintenance data and warning alerts

Provides maintenance status of separate

machines operating at multiple sites.

Maintenance data is also relayed to

KOBELCO service personnel, for more efficient planning of periodic servicing.

Machine maintenance data

Area alarm

Sends a notification if the machine leaves a pre-defined area.

Equipment

Equipment designed specifically for auto recycling.

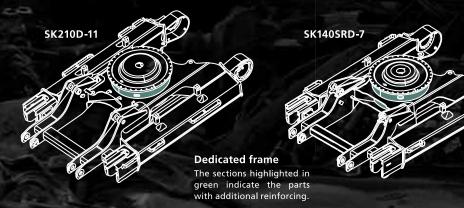
HD boom for auto recycling

A new HD boom was developed specifically for auto recycling that uses thick plating and reinforced materials.



Dedicated frame for dismantling

Due to the heavy counterweight and clamp arm of this machine, the swing area is redesigned and strengthened for longevity.



Damage-resistant center cover for the clamp arm

The strength was improved by using a thicker plate and changing the shape of the center cover that protects the opening/closing mechanism for the clamp arm.



Photo: SK140SRD

Equipment - center cover / boom foot cover [only SK140SRD]

Stops metal fragments from entering the machine from the foot of the boom and prevents damage to the hydraulic system...



Center cover

Boom foot cover



Upper frame under cover guards

Upper frame belly guards to protect the engine, hydraulic systems and operator station.



Bucket cylinder rod pin [only SK210D]

The new large-diameter rod pin provides superior durability.



Swivel guard

Heavy Duty guarding for the hydraulic components in the swivel/swing area.



Hydraulic oil filter

Glass filtration material with outstanding cleaning ability and durability is used.



Remote fuel drain valve only SK140SRD]

Allows for easy fuel draining if required.



Boom cylinder guard

A steel-plate guard is equipped to protect the boom cylinder rod from damage.



Dust-proof fuel tank cap

The fuel cap is lined with rubber to prevent dust from contaminating the fuel tank.



Front guard(wire mesh guard)

Front windows are protected by a wire mesh guard to prevent damage and provide additional safety for the operator.



Step

Equipped with a large step to make entering or exiting the cab easy.



Travel alarm

The alarm cautions workers in the area that the machine is traveling.



iNDr filter [only SK140SRD]

The corrugated filter design prevents clogging to reduce maintenance and assists to reduce noise.



Dismantling arm cylinder [only SK210D]

Heavy duty arm cylinder made specifically for dismantling application.



Boom & arm holding valves

Standard - to prevent boom or arm from falling if hose is damaged.



Public address system

Operator is able to alert ground workers without taking their hands off the machine controls.



Lower frame step [only SK210D]

An additional step is installed on the side of the crawler frame.



Work boot tray

This space was added to hold work boots in order to keep the floor of the cab clean.



Removable screens for easy cleaning [only SK210D]

Easily removable screens to prevent material from clogging the cooling system.

Specifications



I Engine

Model	ISUZU 4JJ1XDRAC-01
Туре	4-cycle, water cooled, overhead camshaft, vertical in-line direct injection type, with turbocharger, Tier IV Final certified.
No. of cylinders	4
Bore and stroke	3.8" x 4.1" {95.4 mm x 104.9 mm}
Displacement	183.0 cu.in {2,999 ml}
Rated power output	96 hp {71.5 kW} / 2,000 rpm (SAE NET)
	105 hp {78.5 kW} / 2,000 rpm (Without fan)
Max. torque	261 lb-ft {354 N·m} / 1,800 rpm (SAE NET)
	277 lb-ft {375 N·m} / 1,800 rpm (Without fan)

I Hydraulic system

Trydradiic system		
Pump		
Туре	Two variable displacement pumps + one option pump + one gear pump	
Max. discharge flow	2 x 34 gpm {2 x 130 L/min} 1 x 15.8 gpm {1 x 59.8 L/min} 1 x 5 gpm {1 x 20 L/min}	
Relief valve setting		
Boom, arm and bucket	4,970 psi {34.3 MPa}	
Travel circuit	4,970 psi {34.3 MPa}	
Swing circuit	4,060 psi {28.0 MPa}	
Control circuit	725 psi {5.0 MPa}	
Nibbler (Crusher) circuit	Open & Close 3,553 psi {24.5 MPa} Rotation 2,990 psi {20.6 MPa}	
Clamp arm circuit	Open & Close 3,553 psi {24.5 MPa} Up&Down 3,553 psi {24.5 MPa}	
Pilot control pump	Gear type	
Main control valve	12-spool	
Oil cooler	Air cooled type	

Swing system

Swing motor	Axial piston motor
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	11.0 rpm
Swing torque	29,800 lb-ft {40.4 kN·m}
Tail swing radius	5'3" {1,610 mm}

Hydraulic P.T.O.

Output Specification	Maximum pressure psi {MPa}	Max. flow U.S. gpm, {lpm} (0 pressure) 2,000 rpm
Nibbler	3,553 {24.5}	2 x 34.0 {2 x 130}
Rotary	2,990 {20.6}	15.8 {59.8}

Travel system

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Travel shoes	44 each side
Travel speed	2.1 / 3.5 mph {3.4 / 5.6 km/h}
Drawbar pulling force	31,100 lb {138 kN}
Gradeability	70% {35°}

Cab & control

Cab
All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat.
Control
Two hand levers and two foot pedals for travel
Two hand levers and two foot pedals for front attachment and swing
Electric rotary-type engine throttle

| Refilling capacities & lubrications

Fuel tank	49.1 U.S.gal {186 L}
Cooling system	4.5 U.S.gal {17 L}
Engine oil	4.5 U.S.gal {17 L}
Travel reduction gear	2 x 0.6 U.S.gal {2.1L}
Swing reduction gear	0.4 U.S.gal {1.65 L}
Hydraulic oil tank	23.7 U.S.gal {89.9 L} Tank oil level
	50.7 U.S.gal {192 L} Hydraulic system
DEF tank	6.9 U.S.gal {26 L}

Clamp arm ability

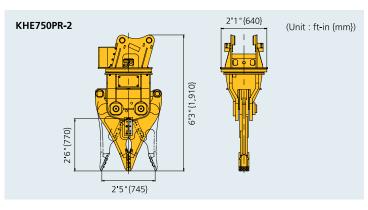
Clamp and ability	
Pressing force (Clamp arm tooth tip)	11,020 lbf {49 kN}
Crushing force (clamp arm tooth for rear)	72,840 lbf {324 kN}
Crushing force (clamp arm tooth for front)	48,560 lbf {216 kN}
Clamping force (clamp arm grip)	30,800 lbf {137 kN}

■ Operating weight & ground pressure

			•
Shoe width	ft-in (mm)	19.7" {500}	
Overall width of crawler	ft-in (mm)	8'2" {2,490}	
Ground pressure	psi {kPa}	9.3 {64}	
Operating weight	lb {kg}	45,000 {20,400	0} (with KHE750PR-2)

I Front attachment

Model	KHE750PR-2
Weight	2,138 lbs {970 kg}
Shearing force(blade center)	57,330 lbf {255 kN}
Crushing force(tooth-jaw tip)	19,850 lbf {88.3 kN}
Operating pressure open/close	3,553 psi {24.5 MPa}
rotation	2,060 psi {14.2 MPa}



SK210D sk210D-11

I Engine

Linginic	
Model	YANMAR 4TN107FTT
Туре	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler, Tier IV Final certified.
No. of cylinders	4
Bore and stroke	4.2" x 5.0" {107 mm x 127 mm}
Displacement	278.7 cu.in {4,567 m l }
Rated power output	160 hp {119 kW} / 2,000 rpm (SAE NET)
	170 hp {127 kW} / 2,000 rpm (Without fan)
Max. torque	577 lb-ft {783 N·m} / 1,500 rpm (SAE NET)
	594 lb-ft {805 N·m} / 1,500 rpm (Without fan)

I Hydraulic system

i rryaraane system	
Pump	
Туре	Two variable displacement pumps + one option pump + one gear pump
Max. discharge flow	2 x 58.1 gpm {2 x 220 L/min} 1 x 13.4 gpm {1 x 50.6 L/min} 1 x 5.3 gpm {1 x 20 L/min}
Relief valve setting	
Boom, arm and bucket	4,970 psi {34.3 MPa}
Travel circuit	4,970 psi {34.3 MPa}
Swing circuit	4,210 psi {29.0 MPa}
Control circuit	725 psi {5.0 MPa}
Nibbler (Crusher) circuit	Open & Close 4,260 psi {29.4 MPa} Rotation 2,990 psi {20.6 MPa}
Clamp arm circuit	Open & Close 4,260 psi {29.4 MPa} Up&Down 4,260 psi {29.4 MPa}
Pilot control pump	Gear type
Main control valve	8-spool
Oil cooler	Air cooled type

Swing system

Swing motor	Axial piston motor	
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position	
Parking brake	brake Oil disc brake, hydraulic operated automatically	
Swing speed	12.7 rpm	
Swing torque	52,740 lb-ft {71.5 kN·m}	
Tail swing radius	9'7" {2,910 mm}	

I Hydraulic P.T.O.

·	Maximum pressure	Max. flow U.S. gpm, {lpm} (0 pressure)		
Specification	psi {MPa}	2,000 rpm		
Nibbler	4,260 {29.4}	2 × 58.1 {2 × 220}		
Rotary	2,990 {20.6}	13.4 {50.6}		

Travel system

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brakes	Oil disc brake per motor
Travel shoes	46 each side
Travel speed	3.7 / 2.2 mph {6.0 / 3.6 km/h}
Drawbar pulling force	51,300 lb {228 kN}
Gradeability	58% {30°}

Cab & control

Cab
All-weather, sound-suppressed steel cab mounted on silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat.
Control
Two hand levers and two foot pedals for travel
Two hand levers and two foot pedals for front attachment and swing
Electric rotary-type engine throttle

Refilling capacities & lubrications

Fuel tank	84.5 U.S.gal {320 L}
Cooling system	5.0 U.S.gal {19 L}
Engine oil	5.4 U.S.gal {20.5 L}
Travel reduction gear	2 x 1.4 U.S.gal {5.3 L}
Swing reduction gear	0.7 U.S.gal {2.7 L}
Under die eil keele	37.0 U.S.gal {140 L} Tank oil level
Hydraulic oil tank	79.3 U.S.gal {300 L} Hydraulic system
DEF tank	21.9 U.S.gal {83 L}

■ Clamp arm ability

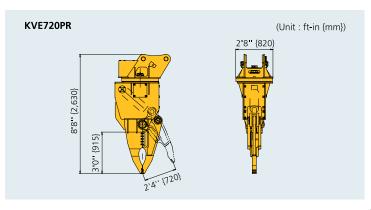
Pressing force (clamp arm tooth tip)	13,940 lbf {62 kN}
Crushing force (clamp arm tooth for front)	74,860 lbf {333 kN}
Clamping force (clamp arm grip)	39,790 lbf {177 kN}

■ Operating weight & ground pressure

Shoe width	ft-in (mm)	23.6" {600}
Overall width of crawler	ft-in (mm)	9'2" {2,800}
Ground pressure	psi {kPa}	9.9 {68}
Operating weight	lb {kg}	67,500 {30,600} (with KVE720PR)

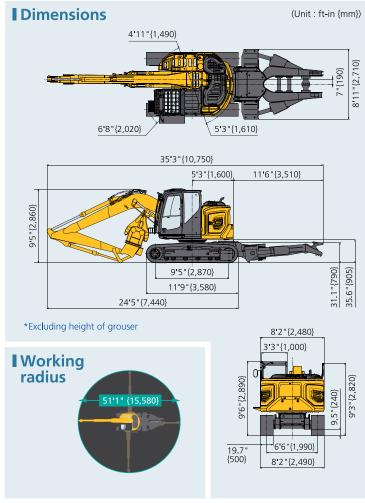
I Front attachment

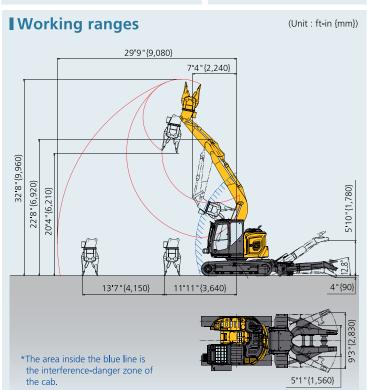
i i o i i c a c ca c i		
Model		KVE720PR
Veight		4,300 lbs {1,950 kg}
hearing force(bla	de center)	121,170 lbf {539 kN}
Crushing force(too	th-jaw tip)	44,060 lbf {196 kN}
perating pressure	open/close	4,260 psi {29.4 MPa}
	rotation	2,132 psi {14.7 MPa}



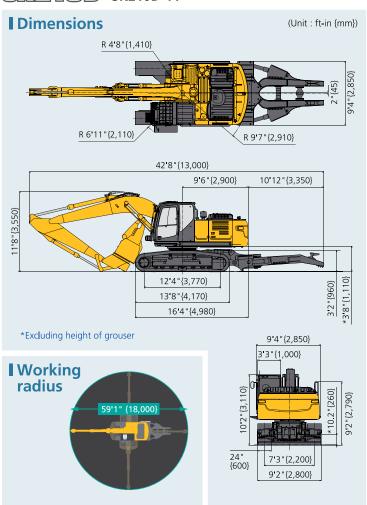
Specifications

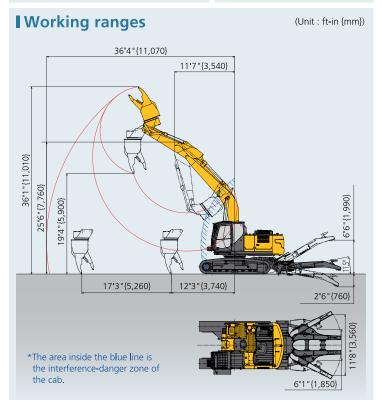
SK140SRD SK140SRD-7





SK210D sk210D-11



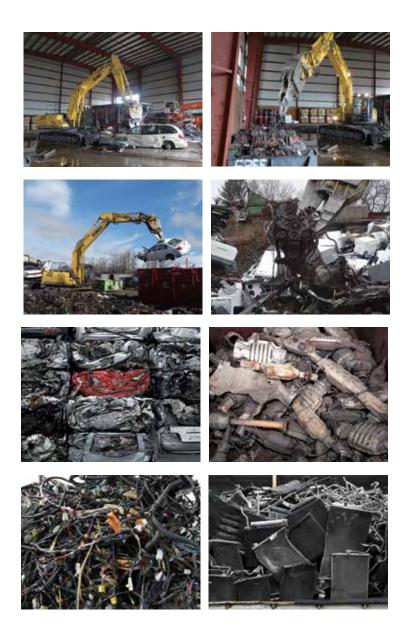


Standard and Optional Equipment

		●=Std , ○=Opt ,=		
Category	Description	SK140SRD-7	SK210D-1	
	ISUZU 4JJ1XDRAC-01 (Tier IV final certified)	•	_	
Engine	YANMAR 4TN107FTT (Tier IV final certified)	_	•	
	Auto engine acceleration/deceleration	•	•	
	Auto Idle stop	•	•	
	Dual element air cleaner	•	•	
	Pre-cleaner Pre-cleaner	_	•	
	3 work modes H, S, Eco	•	•	
	Hydraulic Pressure Release	•	•	
ydraulic system	Swing priority	•	•	
y araane system	Auto warm-up system	•	•	
	Rotation and nibbler hydraulics with proportional hand control	•	•	
	Hydraulic oil VG46	•	•	
	Air suspension seat with heat	•	•	
	10-inch color monitor	•	•	
	LED door light	•	•	
a factor	Automatic climate control	•	•	
abin	Radio (AM/FM, AUX, USB, Bluetooth® and hands-free telephone)	•	•	
	12V power outlet	•	•	
	Cab entry step	•	•	
	Work boots tray	•	•	
	5 LED work lights: 2 on boom, 2 on cab front, 1 on front right	•	_	
ights	7 LED work lights: 2 on boom, 2 on cab front, 2 on rear counterweight, 1 on front right	_	•	
	Standard HD boom 15'4" {4.68 m}	•		
/orking	Standard HD arm 7'10" {2.38 m}	•	_	
quipment	Standard HD boom 18'6" {5.65 m}	_	•	
90.0	Standard HD arm 9'8" {2.94 m} with rock guard	_	•	
	Standard and additional C/W 8,270 lb {3,750 kg} with swing flashers	•		
ounterweight	Heavier C/W 12,100 lb {5,490 kg} with swing flashers		•	
	19.7" (500 mm) triple grouser shoe (Tracks are pre-drilled for rubber pads)	•		
	23.6" (600 mm) triple grouser shoe			
ndercarriage	0.35" (9 mm) thick swivel guard	•		
nuercarriage	0.24" (6 mm) thick upper frame under cover guards	•		
	Track guides (one per side)			
	Specialized cab for dismantling	•		
	Top cab guard (Top guard level II ISO 10262:1998)	•	•	
	Mesh-type front guard			
	Bar-type front guard (Front guard level II ISO 10262:1998)	0	0	
	Cab front polycarbonate guard (Bar-type front guard)	0	0	
	Cab interference prevention system	•	•	
	Engine emergency stop switch	•	•	
afety	3-inch retractable seat belt	•	•	
	Seatbelt indicator on display	•	•	
	Travel alarm	•	•	
	Public address system	•	•	
	Swing flashers in counterweight	•	•	
	Left and right side mirrors	•	•	
	3-side 270-degree camera system	•	•	
	Hose burst valve for boom and arm cylinder	•	•	
	Boom cylinder guard	•	•	
	Boom foot cover	•		
	Angled upper deck guards	_	•	
thers	ISO to BHL pattern changer	•	•	
	Battery disconnect switch	•	•	
	KOMEXS Machine Monitoring	•	•	
	3 Year or 3,000 Hour Warranty	•	•	

Note: Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics.

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*GRAMMER is trademark of GRAMMER AG. registered in Germany and other countries.

Note: This catalog may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your areas. Please consult your nearest KOBELCO distributor for those items you require. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice.

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