				Standard specification	High torque specification (OP)*6	Optional chuck specification
Front attachment	Leader model			M15C (R)		
	Auger model			HA-130SK-13WS	HA-130SK-15W	HA-130SKA-13W
	Auger rotation torque (high torque)		kN·m	32 ~ 131	36 ~ 149	32 ~ 131
			tf·m	3.3 ~ 13.4	3.7 ~ 15.2	3.3 ~ 13.4
	Auger rotation torque (low torque)		kN·m	10 ~ 42	11 ~ 47	10 ~ 42
			tf·m	1.1 ~ 4.3	1.6 ~ 4.8	1.1 ~ 4.3
	Auger rotation speed (1st speed) *1,*2		min^{-1}	6.7 ~ 25.6	6.1 ~ 23.3	6.7 ~ 25.6
	Auger rotation speed (2nd speed) *1,*2		min^{-1}	13.4 ~ 51.2	12.2 ~ 46.6	13.4 ~ 51.2
	Auger crowd/extraction force *3	1st speed, ultra-high speed 1st speed	kN	294		
			tf	30		
		2nd speed, ultra-high speed 2nd speed	kN	196		
			tf	20		
	Auger lifting/lowering stroke	At holder lower end	mm	12135		
	Lifting/lowering speed *1	1st speed	m/min	1.8		
		2nd speed	m/min	2.8		
		Ultra-high speed 1st speed	m/min	Approx. 6.0		
		Ultra-high speed 2nd speed	m/min	Approx. 9.0		
	Winch lifting capacity		kN	29.4		
	Wire rope			IWRC6×Fi(29) 0/0 Class C ø16 mm × 35 m		
Main unit related	Swing speed		min^{-1}	Approx. 2.7		
	Travel speed *1	Normal	km/h	1.2		
		Fine speed	km/h	0.3		
	Climbing ability	Main unit only	%	30		
	Engine			VOLVO PENTA TAD572VE Compliant with the Act on Regulations for Emissions from Non-road Vehicles 2014 regulation (Tier 4 regulations)		
	Engine rated output		kW	160		
			min^{-1}	2000		
			PS	217		
			rpm	2000		
	Fuel tank capacity		L	250		
	DEF tank capacity		L	25		
	Full equipment weight *4		kg	46300	46300	46700
	Weight during transport *5		kg	29700	29700	30200
	Average ground pressure (at full equipment weight)		kPa	128.0	128.0	129.1
			kgf/cm^2	1.30	1.30	1.32

*1. Values vary depending on the load.
*2. When auger lifting is ultra-high speed, rotation speed is 1st speed only.
*3. Auger crowd/extraction force is the maximum value generated at the lifting/lowering motor. Therefore, crowd/extraction force at the auger rod center is reduced below this value (due to own weight, frictional resistance, etc.).
*4. Includes ø1,300 head, rod 20 m, 3.4 t.
*5. Excludes leader 1.48 m, 2.16 m, 2.96 m, top sheave, lower guide, rod, counterweight (M1, M2, M3, U, Extra).
*6. For construction with auger rotation torque 15 tf·m, use components (rod, head, etc.) that satisfy strength requirements.

Standard equipment

Main unit related	Safety devices
Counterweight	OK display
Front jack (with bellows)	Swing warning lamp & buzzer
Outrigger jack (with bellows)	
Jack plates (4 pieces)	**Front attachment**
Rubber pads	14.2 m standard leader
Undercover	0.5 m leader (1.7 m lower leader replacement use)
Folding step on operator's side	Top sheave
Side frame access step	Winch (wire rope ø16×35 m, with hook)
Non-slip sheet (upper house surface)	Auger (standard torque specification 131 kN·m)
Headlights (LED × 2 locations)	Chuck
Rear-view mirrors (1 each, left and right)	Auger free mechanism
Wipers (front upper-lower 1 each, roof)	Auger rotation detection
Window washer (front upper)	Brake valve
Air conditioner	Leader lifting bracket/lower leader attachment/detachment jig
Interior light (LED)	Hydraulic lower guide (pin-fixed type)
AM/FM radio with clock	Piling work management machine (Seko Master III)
Cigarette lighter	Electromagnetic flow meter
Spirit level	Piping arm
Floor mat	Grout hose (standard size)
Included tools	Hose hanger
	Stopper swivel

Optional equipment

Main unit related	Safety devices
Oil cooler	Rear-view camera (1 monitor, up to 4 cameras)
Emergency escape hydraulic source outlet	Analog inclinometer
Steel plate storage box	Leader fall protection device pole
Muffler exhaust direction change	Front jack access step
Skylight guard (hinged type)	Simple stage (for rod joint)
Foot heater	
Microphone & speaker	**Front attachment**
Wi-Fi module	Auger (high torque specification 149 kN·m)
Tablet-type external display	Optional chuck type auger (standard torque specification 131 kN·m)
	Hydraulic lifting type lower guide (rack & pinion type)
	Hose cover (hydraulic hose/grout hose)
	Steel pipe lower guide (ø600 base)
	Steel pipe lower guide collar (various types)
	Screw guide (ø600 base)
	Screw collar (various types)
	Soil mixing rod (standard/optional chuck type)

NIPPON SHARYO, LTD.
https://www.n-sharyo.co.jp/
Construction Equipment Division/ Overseas sales department
Tel: +81-52-623-3529

- Specifications in this catalog are subject to change without notice.
- Please be sure to observe the precautions in the operation manual when operating this machine.
- Modifications to this machine or addition of other equipment/materials by the customer are outside our warranty scope. Please contact Nippon Sharyo.

Distributor

CAT.No.192B (Contents of this catalog are current as of March 2025)

NIPPON SHARYO

Soil Mixing

DHJ35-7M/MA

NIPPON SHARYO

Soil Mixing

DHJ35-7M

Taking Ground Improvement to the Next Level

Auger torque
13 tf·m
15 tf·m (optional)

×

Extraction force
30 tf

×

Drilling length
20 m

Note: Images are for illustrative purposes.
Photographs and descriptions may include optional items.

Standard specifications

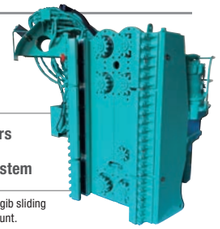
Standard specification

Outstanding drilling performance for efficient work — [HA-130SK-13WS]
High torque specification — [HA-130SK-15W]

	Maximum rotation torque	Maximum rotation speed
Standard chuck specification	131 kN·m(13.4 tf·m)	51.2 min^{-1}
High torque specification OPTIONAL	149 kN·m(15.2 tf·m)	46.6 min^{-1}

NEW

Maximum lifting force in class for stronger and faster operation



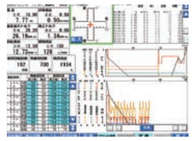
Auger crowd/extraction force 294 kN (30 tf) * 1st speed	6 lifting motors × Rack & pinion system

*Actual lifting/lowering force is reduced by hydraulic circuit pressure loss and guide gib sliding resistance. Furthermore, the weight of the front attachment must be taken into account.

NEW

Equipped with Piling work management machine “Seko Master III”

Equipped with a large 12.1-inch display with increased piling work information display items. Renewed to clear design, improving visibility and operability. Equipped with mixing plant coordination function, controlling milk discharge according to drilling. Enables uniform mixing. *This function requires a mixing plant with coordination function support.



OPTIONAL

The external display monitor uses a detachable tablet device.

Large side frame uses Nippon Sharyo’s unique dedicated design for improved stability

Note: Access steps and other features are options.

Engine compliant with the Act on Regulations for Emissions from Non-road Vehicles 2014

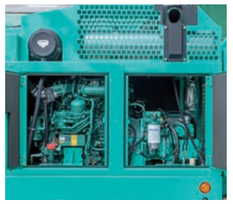
AdBlue® is high-grade urea water exclusively for urea SCR systems, used to reduce nitrogen oxides (NOx) contained in exhaust gas.

AdBlue is a registered trademark of the German Association of the Automotive Industry.

Compliant with 2014 exhaust emission regulation standards for environmental protection.

Clears low-noise construction machinery standard values

Certified as low-noise construction machinery by Ministry of Land, Infrastructure, Transport and Tourism.



Free chuck specifications

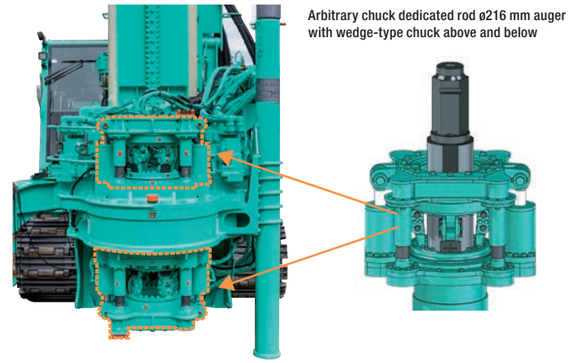
Optional chuck specification

NEW

Optional chuck auger — [HA-130S KA-13W]

	Maximum rotation torque	Maximum rotation speed
Optional chuck specification	131kN·m(13.4tf· m)	51.2min^{-1}

Auger capable of rod re-gripping work at arbitrary positions, contributing to construction time reduction at sites with long drilling lengths.
Adoption of wedge-type chuck mechanism and dedicated 4-face drop rods enables reliable and highly safe rod holding.



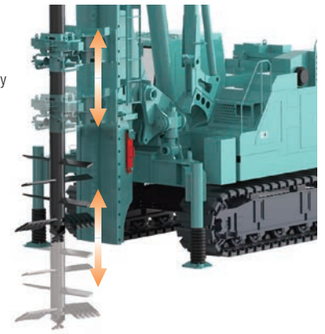
Arbitrary chuck dedicated rod ø216 mm auger with wedge-type chuck above and below

NEW OPTIONAL

Lifting type lower guide

The hydraulically controlled liftable steady brace can secure the auger stroke.

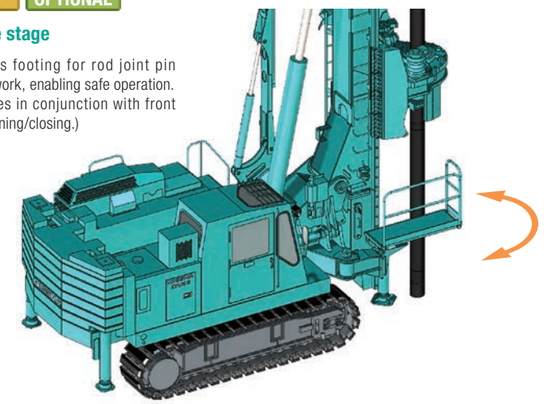
Rack & pinion system
1 stroke = 12 m lifting



NEW OPTIONAL

Simple stage

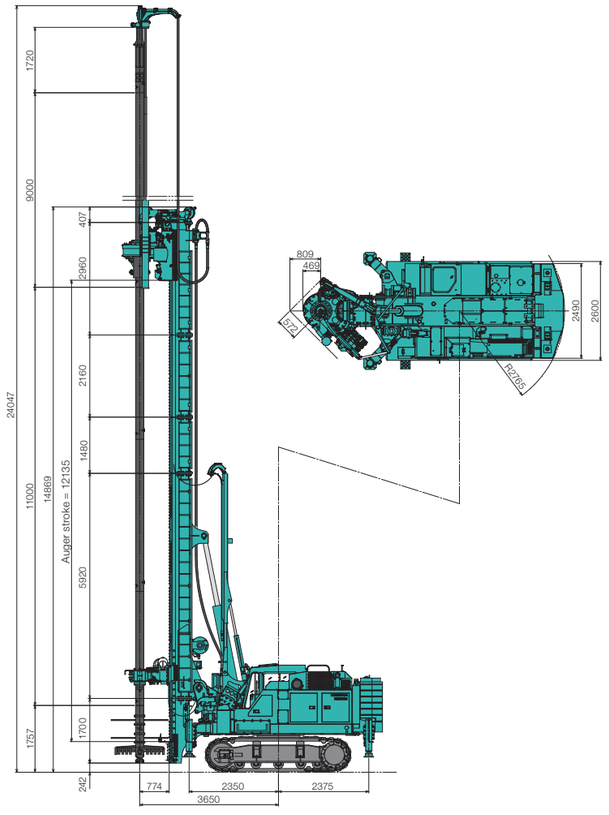
Provides footing for rod joint pin driving work, enabling safe operation. (Operates in conjunction with front jack opening/closing.)



Note: The lifting type lower guide and simple stage can be mounted as standard specification.

Dimensions

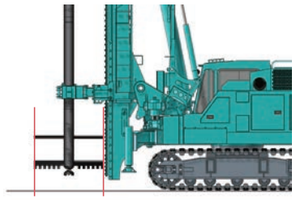
External dimensions



Leader specifications

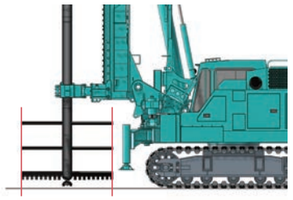
Leader specification

With lower leader



Mountable head diameter
ø1500 mm

Without lower leader

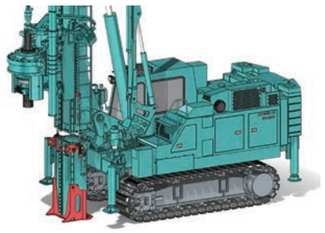


Mountable head diameter
ø2000 mm

Detachable lower leader

Removing the lower leader allows large diameter heads to be mounted

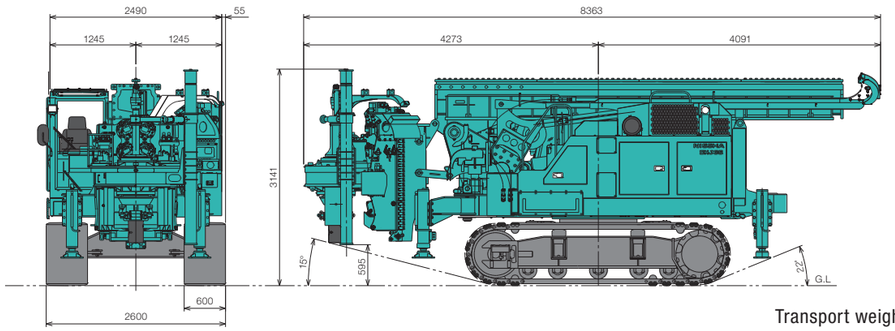
- Mounting the 0.5 m leader allows the lower guide position to be lowered.
- The mountable head height becomes shorter.



Note:
1. Listed values are calculated from machine dimensions and do not guarantee actual construction.
2. Drilling length is common regardless of auger specifications.
3. Construction methods other than the above external dimensions are at customer's own judgment.

Transport phase diagram

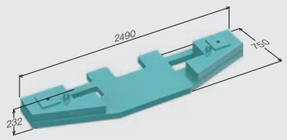
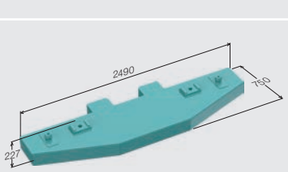
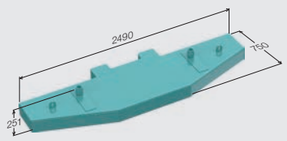
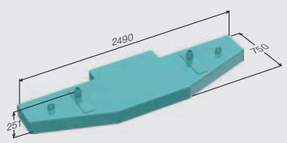
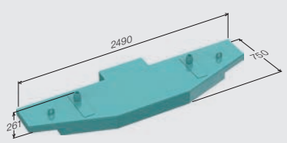
Transport condition diagram

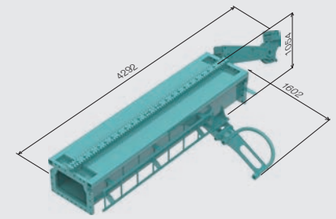
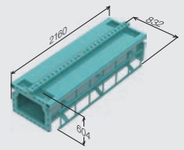
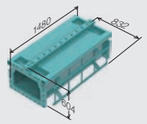
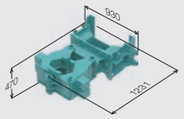
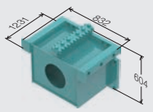


Transport weight (kg): 29,700
(Standard specification)

Transport decomposition dimensions and weights

Transport disassembly dimensions and weight

Item	External dimensions (mm)	Weight (kg)
Extra weight		900
Counterweight (U)		1560
Counterweight (M3)		1580
Counterweight (M2)		1635
Counterweight (M1)		1510

Item	External dimensions (mm)	Weight (kg)
Leader 2.96 m Top sheave Bracket hanger		1038
Leader 2.16 m		533
Leader 1.48 m		393
Hydraulic lower guide		570
Leader 0.5 m (For lower guide)		208

*1. Counterweight assembly order is from bottom: M1→M2→M3→U→Extra.
*2. M2 is a set of 3 pieces.