DHD/QL/SD/NUMA



Unique Design from Ingersoll-Rand DHD & Sandvik-Smith Proto Type Maximum Performance & Minimum Maintenance Various Models for Different Applications

High Quality & Reasonable Price

CS Power Hammer Air Consumptions (at Sea Level)

cfm (m³/min)

	Model	CS -20	CS -30	CS -40	CS- 40S (low)	CS -50	CS - 60	CS- 60S (low)	CS- 80	CS- 100	CS- 112	CS- 320	CS- 380	CS- 410	CS- 530	CS- 640	CS- 800
	100PSI	70	170	190	195	200	270	300	400	500	600	800	950	1,220	1,450	1,850	2,300
	(6.8BAR)	(2.8)	(4.8)	(5.4)	(5.5)	(5.7)	(7.6)	(8.5)	(11.3)	(14.1)	(16.9)	(22.7)	(26.9)	(34.5)	(40.6)	(52.4)	(65.1)
	150PSI	120	245	265	278	285	385	450	585	750	880	1,100	1,280	1,430	2,150	2,800	3,500
	(10.3BAR)	(3.5)	(6.9)	(7.5)	(7.8)	(8.1)	(10.8)	(12.7)	(16.5)	(21.2)	(24.8)	(31.1)	(36.2)	(40.5)	(60.9)	(79.3)	(99.1)
P R E S	200PSI (13.8BAR)	170 (4.8)	350 (9.8)	365.5 (10.3)	383 (10.3)	400 (11.3)	545 (15.3)	600 (17)	840 (25.2)	1,050 (29.7)	1,100 (31.1)	1,700 (48.1)	1,850 (52.4)	2,120 (60)	2,900 (82.1)	3,700 (104.8)	5,300 (150.1)
S U R E	250PSI (17.2BAR)	220 (6.5)	485 (13.7)	485 (13.7)	509 (14.1)	520 (14.7)	715 (20.2)	795 (22.5)	890 (25.2)	1,200 (34)	1,450 (41.1)	2,040 (57.8)	2,320 (65.7)	3,000 (85)	3,930 (111.3)	4,600 (130.3)	7,250 (205.3)
	300PSI	270	582	600	630	645	865	940	1,085	1,600	1,880	2,448	2,668	4,070	4,830	5,500	9,200
	(20.7BAR)	(7.6)	(16.5)	(16.9)	(17.5)	(18.3)	(24.5)	(26.7)	(30.7)	(45.3)	(53.2)	(69.3)	(75.5)	(114)	(135.2)	(154)	(257.6)
	350PSI	320	669	700	735	770	924	1,030	1,520	1,800	2,068	2,693	3,068	4,760	5,780	6,400	11,000
	(24.1BAR)	(8.8)	(19)	(19.8)	(20.5)	(21.7)	(26.2)	(29,3)	(43)	(51)	(58.6)	(76.3)	(86.9)	(133)	(161.8)	(179.2)	(308)

CS Hammer Series



CS Power Hammer

CS Power Hammer is optimized to meet the demand of quick work in the processes of anchoring, quarry job, constructions and water well drilling. And, these days it is also used in geothermal development field widely.









CS-530



CS-800



CS Power Hammer Specifications

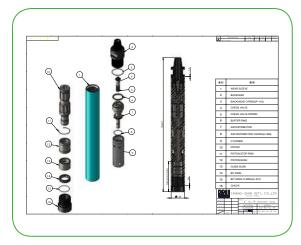
Model	CS- 20	CS- 30	CS- 40	CS- 40S (low)	CS- 50	CS- 60	CS- 60S (low)	CS- 80	CS- 100	CS- 112	CS- 320	CS- 380	CS- 410	CS- 530	CS- 640	CS- 800
(Backhead) Connection	RD50 - 6TPI PIN	API 2-3/8" REG PIN	API 2-3/8" REG PIN	API 2-3/8" REG PIN	API 3-1/2" REG PIN	API 3-1/2" REG PIN	API 3-1/2" REG PIN	API 4-1/2" REG PIN	API 6-5/8" REG PIN	API 6-5/8" REG PIN	API 7-5/8" REG	API 8-5/8" REG PIN	API 8-5/8" REG PIN	Hex Joint	Hex Joint	Hex Joint
Chuck Connection Configuration	BR2	DHD 3.5	DHD 340, SD4	DHD 340, SD4	DHD 350, SD5	DHD 360, SD6	DHD 360, SD6	DHD 380, SD8	N100 SD10	DHD112 A100 -15 SD12			Korean O	wn Mode	I	
Available Bit Size/mm	70~80	85~127	105 ~130	105 ~130	125 ~150	149 ~225	149 ~225	191 ~270	251 ~311	301 ~445	380 ~480	432 ~559	457 ~650	675 ~800	775 ~975	975 ~1,175
Length/mm (Without Bit)	820	IR945 MS 978	IR1,040 MS 1,088	IR1,020 MS 1,068	IR1,162 MS 1,162	IR1,368 MS 1,383	IR1,184 MS 1,203	IR1,420 MS 1,390	IR1,545 MS 1,527	IR1,890 MS 1,895	1,961	1,850	2,053	2,489	2,399	2,516
Outside Diameter/mm	62	78	97	97	117	138	138	180	226	272	320	353	410	530	640	800
Cylinder Bore/mm	-	58	75	75	91	108	108	148	170	216	266	260	310	410	445	508
Piston Stroke/mm	100	100	100	100	100	100	100	100	100	100	110	125	150	150	150	127
Net Weight/Kg (Without Bit)	12	28	40	38	65	108	95	185	335	620	920	1,180	1,510	2,764	3,839	6,435
Gross Weight/Kg (W/Wooden Box)	15	35	46	44	69	115	103	200	355	640	945	1,205	1,540	2,794	3,869	6,465

CS Hammer Series

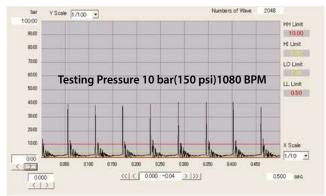


CS Speedrill(Neodrill) Hammer

CS Speedrill(Neodrill)is valveless model which is free of footvalve broken during the operation. And piston stroke is increased than standard model, which means striking power is stronger than before.







Increase 9% Hitting Power Increase 12.5% Frequency Increase 18% Penetration Speed

Increase Performance & Shock Absorbing





CS SPEEDRILL 40 POWER

CS Speedrill(Neodrill) Specifications

Model	CS	CS	CS		
Model	Speedrill 60	Speedrill 80	Speedrill 100		
(Backhead)	API 3-1/2	API 4-1/2	API 6-5/8		
Connection	Reg Pin	Reg Pin	Reg Pin		
Chuck Connection Configuration	DHD 360 SD 6	DHD 380 SD 8	SD 10		
Available Bit Size/mm	149 ~ 225	191 ~ 270	251 ~ 340		
Length/mm (Without Bit)	1364.9(DHD) 1379.5(SD)	1413.9(DHD) 1387.5(SD)	1528(SD)		
Outside Diameter/mm	138	180	225		
Piston Stroke/mm	90	90	90		
Net Weight/Kg (Without Bit)	104	185	330		
Gross Weight/Kg (W/Wooden Box)	114	195	345		
Air Consumption	700	870	1180		
(250psi/17.2bar)		(at Sea Level CFM)			

CS BIT Series



CS Button Bits

CSI has accumulated expertise in designing and produc-ing all kinds of button bits. Especially we specialize in producing tungsten carbide bits for better cutting power and faster penetration speed.



2"~47"
Full Size Line Up
DHD/QL/SD/MISSION/NUMA





















CS Button Bits Specifications

Hammer Size	Bit Size	Bit Weight(Lbs)/(kg)	Face Design
CS-20 (BR2)	76 mm	6.6Lbs / 3Kg	
C5-20 (BR2)	80 mm	6.6Lbs / 3Kg	
CC 30(CD3/DHD3 E)	90 mm	8.8Lbs / 4kg	
CS-30(SD3/DHD3.5)	100 mm	9.3Lbs / 4.2kg	
	4"	18Lbs / 8.2Kg	Flat,
CS-40(SD4/DHD340A)	4-1 / 2"	22Lbs / 10kg	Concave,
	5"	22.9Lbs / 10.4kg	Convex
CC EO(CDE/DUD3EOD)	5"	32Lbs / 14.5kg	Convex
CS-50(SD5/DHD350R)	5-1/2"	35.3Lbs / 16Kg	
	6"	57.27Lbs / 26Kg	
CC (0(CDC/DUD3C0)	6-1/2"	65.78Lbs / 29.9kg	
CS-60(SD6/DHD360)	8"	80Lbs / 36.3kg	
	10"	125Lbs / 57kg	
	7-7/8"	91Lbs / 41.3kg	
CC 90/CD9/DUD390)	8"	92.84Lbs / 42.2kg	
CS-80(SD8/DHD380)	10"	154.66Lbs / 70.3kg	
	12"	207.46Lbs / 94.3kg	
CC 100/CD10/N100)	10"	237.6Lbs / 108kg	
CS-100(SD10/N100)	12"	275Lbs / 125kg	
	12"	384Lbs / 174kg	
CS-112 (A100/SD12/DHD112)	15"	478Lbs / 217kg	
	17-1/2"	517Lbs / 259kg	
CC 220/0 Madal)	15"	451Lbs / 205kg	
CS-320(Own Model)	17-1/2"	781Lbs/355kg	
	17"	640Lbs / 290kg	Flat,
CS-380(Own Model)	19"	773Lbs / 350kg	Concave
	21"	909Lbs / 412kg	Concave
	22"	1,345Lbs / 610Kg	
CS-410(Own Model)	23"	1,411Lbs / 640Kg	
	25"	1,543Lbs / 700Kg	
	25"	2,425Lbs / 1,100kg	
CS-530(Own Model)	27"	2,601Lbs / 1,180kg	
	30"	2,976Lbs / 1,350kg	
	27"	3,902Lbs / 1,770kg	
CS-640(Own Model)	30"	4,696Lbs / 2,130kg	
	32"	5,159Lbs / 2,340kg	
	34"	5,093Lbs / 2,310kg	
CS-800(Own Model)	36"	5,401Lbs / 2,450kg	
	40"	5,732Lbs / 2,600kg	

ROCWing Bits

ROCWING 240 is a concentric overburden bit for a hard formation rock bed. Because of enclosed rocwing bits, it shows the most efficient and powerful performance in ground drilling jobs.

Part Name

No.	Part Name	EA	Part No.
1	Guide Device	1	TBA
2	Pilot Bit	1	TBA
3	Wing Bit	4	TBA
4	Socket Set Screw	4	TBA
5	Stop Pin	8	TBA

Specifications

ltem	Part No.		
Major Body Diameter	240 mm		
Length	737 mm		
System Open	292 mm		
Casing Size O/D	270/254 mm		
Total Weight	133 kg		

ROCWING





CS BIT Series



Overburden Bits

CSI is supplying diverse overburden bits such as "Eccentric Type", Wing Type", "Symetric Type" and "Hemi Type". They all show great cutting power and fast penetration speed on overburden drilling.



Symetric Type







Wing Type





Hemi Type



Eccentric Type





Various Bits

Hole Opener Bit



Drag Bit



HDD Bit

Auger Bit







Promotional Items

Tricone Bits

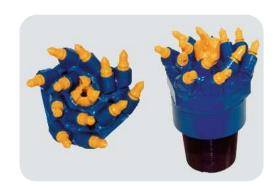


PDC Bit



Claw Bit

Concrete Bit



CS Cluster Hammer/RC

Adopt Air-Regulating Distributor

 Individual bit free rotating/ Operable in any ground condition(cleft or steep slope)

Adopt Replaceable RC Pipe

■ Save cost & time for maintenance

Flushing Volume Control

■ Increase working performance & safety



Best Solution for Big-Size Piling





	Model	RC Cluster OD1200	RC Cluster OD2000	RC Cluster OD2500
	Length	2,836mm	2,836mm	2,836mm
CS	Out dia.	1,200mm	2,000mm	2,500mm
Cluster	Weight	Estimate 5,000kg	Estimate 12,600kg	Estimate 16,400kg
Hammer		150psi / 2,730cfm	150psi / 5,700cfm	150psi / 8,970cfm
Spec /	Air consumption	200psi / 3,220cfm	200psi / 6,750cfm	200psi / 10,580cfm
RC		250psi / 4,260cfm	250psi / 8,170cfm	250psi / 14,030cfm
Туре	Pull down	3,325 ~ 6,500kgf	7,125 ~ 17,600kgf	10,925 ~ 21,400kgf
	Rotation speed	4-5rpm	2-3rpm	2-3rpm
	Composition	CS-NEO-60-Hammer + 225mm Bit / 7 SET	CS-NEO-60-Hammer + 225mm Bit / 15 SET	CS-NEO-60-Hammer + 225mm Bit / 23 SET

CS Hammer Series



Advanced Design Adopt Air-Regulating Distributor Easy to Replace Bits and Hammers

DTM Hammer with Bit: CIS-80(IP) Hammer vith Bit: CIS-80(IP) Hammer 254mm Bit / SSet Air consension 250(IP) Jacob State 150(IP) Jacob State 150(IP)

CS Cluster Hammer/ Bucket

CS cluster hammer consists of Bucket and RC types, which ensure high efficiency and durability. It is now recognized as a new standard for big-size drilling.







	Model	CD 1000	CD1180	CD1350
	Length	2,800mm	3,853mm	4,068mm
CS	Out dia.	1,000mm	1,180mm	1,350mm
Cluster	Weight	Estimate 3,500kg	Estimate 4,500kg	Estimate 5,700kg
Hammer		150psi / 2,030cfm	150psi / 2,580cfm	150psi / 3,120cfm
Spec /	Air consumption	200psi / 2,500cfm	200psi / 3,000cfm	200psi / 3,680cfm
Bucket		250psi / 3,260cfm	250psi / 3,850cfm	250psi / 4,860cfm
Туре	Pull down	1,800 ~ 5,800kgf	2,800 ~ 6,800kgf	4,000 ~ 8,000kgf
	Rotation speed	4-5rpm	4-5rpm	3-4rpm
	Composition	CS-NEO-60-Hammer + 225mm Bit / 6 SET	CS-NEO-60-Hammer + 225mm Bit / 7 SET	CS-NEO-60-Hammer + 225mm Bit / 8 SET

Water Cluster Hammer

CSI has developed water cluster hammer. It combines all benefits of RCD drilling and water hammer drilling methods. It can reduce environmental issues and increase working speed extremely.







Water Pump

Low Maintenance Cost Easy to Transfer & Install User Friendly & High Safety High Efficiency & Long Lifespan



Dimension & Weight								
Width	1.4	М						
Height	1.64	М						
Length	3	М						
Weight(Dry)	1	Ton						

Eng	gine
Model	DOOSAN(PU086)
Power	113KW / 1800rpm

Specification						
Input	1500rpm					
Flow Rate(L/Min)	333 Litter/ Min					
Max.Pressure(Bar)	175 Bar					

Wall Stability
Fast Drilling Speed
Low Fuel Consumption





CS Water Hammer



Operated by High-Pressure Water Save Energy & Resources Reduce Air/Soil/Noise Pollution

CS Water Hammer

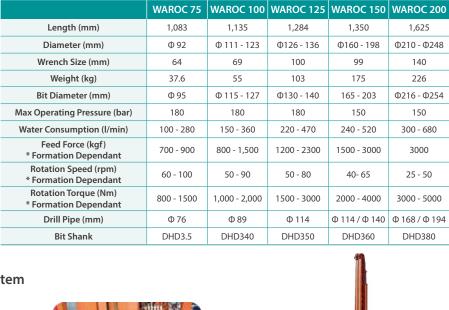
CSI's water hammer is operated by high-pressure water from a water pump instead of high-pressure air from many compressors.

So, it can save energy and other resources dramatically.

And, CSI's water hammer is designed to protect environment by using water from recycling system. It also doesn't need lubrication oil for hammering, so there is nothing to worry about water & soil pollution because of oil sludge.

Water Recycling System Save Energy System Decrease Air/Soil/Noise Pollution System





ECO FRIENDLY SYSTEM



WAROC Series Specifications



Drilling Rig







CSI's 20 years of expertise reinforce our competitiveness in the field of drilling equipment. Our manufacturing capacity covers from a compact drilling rig to a large hydraulic drilling rig.







CS-100

CS-200

CS-350





CS-600

Especially our diverse rig models are designed and manufactured by customizing process with the specific demands of users.

CS Drilling Rig Specifications

N	lodel	CS-100	CS-200	CS-350	CS-400	CS-600
	Length(Mast Down)	4,950mm	5,100mm	5,400 mm	5,400 mm	8,000 mm
Dimension	Height(Mast Down)	2,260mm	2,400mm	2,450 mm	2,450 mm	2,600 mm
&	Height(Mast Up)	5,500mm	5,700mm	6,000 mm	6,000 mm	8,500 mm
Weight	Width	1,800mm	1,800mm	2,000 mm	2,000 mm	2,000 mm
	Weight	3,300kg	4,800kg	5,000 kg	7,500 kg	9,000 kg
Torque		200/100kgf*m	360/180kgf*m	500/250 kgf*m	500/250 kgf*m	500/250 kgf*m
Engine (or customer specified)		46kw/1,400rpm	77kw/1,400rpm	165 kw / 1,800 rpm	165 kw / 1,800 rpm	200 kw / 1,800 rpm
	Pull Down	1,970kgf	6,280kgf	8,808 kgf	8,808 kgf	13,816 kgf
Food system	Pull Back	3,260kgf	11,304kgf	17,270 kgf	17,270 kgf	24,869 kgf
Feed system	Feed Speed(Up)	22 m/min	21 m/min	25 m/min	25 m/min	22.5 m/min
	Feed Speed(Down)	36 m/min	38 m/min	49 m/min	49 m/min	40.5 m/min
Datation	High	0~120 rpm	0~120 rpm	0~120 rpm	0~120 rpm	0~120 rpm
Rotation	Low	0~60 rpm	0~60 rpm	0~60 rpm	0~60 rpm	0~60 rpm
Winch	Capacity	1,000 kgf	1,500 kgf	3,000 kgf	3,000 kgf	3,000 kgf
	Q`ty	4ea	4ea	4ea	4ea	4ea
Outrigger	Operation Length	1,050mm	1,200mm	1,400mm	1,400 mm	1,400 mm
	Lifting Power	6,500 kgf/ea	6,500 kgf/ea	8,080 kgf/ea	8,080 kgf/ea	13,360 kgf/ea
	Ground Clearance	340mm	350mm	363mm	363mm	363mm
Crawler track	Tumbler Distance	1,425mm	1,990mm	1,990mm	1,990mm	2,200 mm
	Shoes Width	250mm	400mm	380mm	380mm	450 mm

CS RIG Series

New Model - Rockit 100 C-TR

Rockit 100 C-TR, a compact drilling rig, is designed for quick water supply in regions experiencing water shortages. It can be moved and installed very easily, and its reasonable price enhances global competitiveness as well.



Rockit 100 C-TR Specifications

Model		100 C-TR
Drilling Capacity		6" Hole x 100m
	Pull Up & Down	1,990kgf(19,500N)
Feed System	Fast Feed Speed	27m/min
	Feed Stroke	2m(76mm x 1.5m Rod)
Rotation	Hammer Drilling	Max. 65rpm x 1500Nm
	Rotary Drilling	Max. 120rpm x 1500Nm
Engine		31 HP (Vanguard Gasoline)
Hydraulic Pump		Double Gear Pump

- High Reliability & Easy Maintenance with Popular Engine
- High Work Efficiency with Integrated Swivel & Big Size Tank
- High Feed Force & Rotation Speed with Double Gear Hydraulic Pump
- Save Energy & Enhance Safety with Feed Speed Control Valve

New Model - Rockit 250 RD

Rockit 250 RD is highly useful drilling rig as a multi-purpose device. It has the "Automatic Rod Handler" for better work efficiency and the "Double Rotary Head" for drilling & casing simultaneously.



Rockit 250 RD Specifications

Model		250 RD
Law Out	Width	2,200mm
	Length	8,800mm
Lay Out	Height	2,300mm
	Weight	8,100kg
Engine	Spec	PU086 Diesel
Liigiile	эрес	118PS/ 1,400rpm
Hydraulic Pump	Spec	80cc + 80cc Piston Pump + 2 Gear Pump
	Pull Up	9,500kgf
Feed	Pull Down	5,600kgf
reeu	Feed-Up Speed	21 m/min
	Feed-Down Speed	33 m/min
Rotery Head	RPM	0~60/ 0~120
notery rieau	Torque	360kg*m
	RPM	Max. 31
Casing Driver	Torque	990kg*m
	Stroke	590mm
Auto Rod Handler	Spec	Φ 89 * 4m * 50ea
Option	Hammer Oil Injector	
	Electric Welder	

CS RIG Series





CS-2000 DHR

CS-2000 DHR drilling rig is a heavy duty drilling rig with simple design providing excellent performance at minimum maintenance for percussion drilling with down the hole hammer, rotary drilling with mud, reverse drilling, crown core drilling and reverse circulation drilling with optional drive head.

This rig adapts powerful engine & hydraulic pump, carries out various drilling task efficiently. With robust structure of mast, it grants very stable & strong power in pull back & pull up operation. Wide space on the frame with simple design provides easy maintenance. The rig would be transferred to 'transport mode' during driving position.

CS-2000 DHR Specifications

Model		CS-2000
	Length(Mast Down)	15,100mm
Dimension	Height(Mast Down)	4,300mm
&	Height(Mast Up)	15,600mm
Weight	Width	2,500mm
	Weight	28,000kg
Torque		1,300/650kgf*m
Engine (or Customer Specified)		478kw/2,100rpm
	Pull Down	34,344kgf
Food Custom	Pull Back	78,500kgf
Feed System	Feed Speed(Up)	20m/min
	Feed Speed(Down)	46m/min
Rotation	High	0~120 rpm
notation	Low	0~60 rpm
Winch	Capacity	3,000 kgf
	Q`ty	4ea
Outrigger	Operation Length	1,000mm
	Lifting Power	65,970 kgf/ea
	Ground Clearance	-
Crawler Track	Ttumbler Distance	-
	Shoes Width	-









CS KR-5000



New Model - KR-5000

Eco-Friendly Improved Structural Stability Field Requirements-Satiesfied

KR-5000 Specifications (Standard)

Eco-Friendly KR5000

- Tier 4 Final Cummins engine installation.
- Turn-Table system for dust suppression.

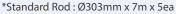
ImProved Structural Stability KR5000

- Structural Stability by low position.
- Strong frame withstanding extreme working condition.
- Deep hole drilling carousel system(Automatic rods-exchanging).
- Tsubaki's super-chain & doubled-chain instslled.
- Independent drive outrigger.
- Outrigger safety valve(Pilot check valve).

Field Requirements-Satiesfied KR5000

- Multi-tasking rotary head.
- Verticality of drilling within 1/300.
- Running and redirection performance improved track.
- Multi-line level instslled.
- 65mm diameter air passage(Various compressor available).
- Position controllable pilot driver cab.

ltem		Unit	Specifications
Weight (Including rod)		Kg	46,800
	Brand/Model	_	Cummins Engine QSB 6.7
	Fuel type/Cylinder	_	Diesel/Six-cylinder
Engine	Rated power	ps/rpm	252.8/2000
	Maximum torque	kgf.m/rpm	98.9/1,500
	Fuel tank capacity	l	500
	Working pressure	bar	300(Max)
Hydraulic	Pump model	сс	Main: 112, 112/secondary: 60x2
	Flow rate	٤	930
_	Traveling speed	km/hr	2.25
	Climbing capacity	•	20
	Ground pressure	kg/cm ²	0.90
	Winch capacity	ton	4.5
Crawier base	Pull-back speed	m/min	29.26@1600rpm
& Feed system	Pull-back capacity	ton	24.5
	Pull-down speed	m/min	17.83@1600rpm
	Pull-down capacity	ton	40.2
	Power head torque	kg.m	Max 4250
		rpm	1st : 20, 2rd : 40
*Standard Rod : Ø303mm x 7m x 5ea			







CS RIG Series



RCD Drilling M/C

CSI also provide Reverse Circulation Drilling machine which is used for large diameter, deep depth, bore piling in marine condition. And it is designed & manufactured depending on the diverse demands of users.



RCD Drilling M/C Specifications

Model		CPD 2000 Drilling Machine
Dimension		4,200mm * 5,350mm * 8,700mm
Weight		28,000kg
Rotation	Speed	0~10rpm(max.22rpm)
Rotation	Torque	149.4kn*m(250bar)
Thrust Force	Pull Down	61.2ton
Tillust Force	Pull Up	100.5ton
Feed Stroke		3.65m
	Power	230kw/1,400rpm
	Engine	doosan pu126ti
Power Pack	Hyd` Pump	140 * 2 / 63 * 1
	Max. Pressure	350bar(operating 250bar)
System		hold back system
		drilling speed control system









Crawler

Changeable track as necessary: Rubber (Top) & Steel (Bottom)



Crawler Specifications

Model	2Ton - Crawler	3Ton - Crawler	4Ton - Crawler
Width	1.35m	1.35m	1.8m
Height	0.6m	0.6m	0.45m
Length	2.3m	2.3m	1.9m
Carrying Capacity	2 Ton	3 Ton	4 Ton
Power Unit	9~10Hp Diesel Engine	9~10Hp Diesel Engine	13HP Diesel Engine
Track Type	2 x Rubber Type	2 x Rubber Type	2 x Rubber Type
Track Size	0.35(W) x 1.5m(H)	0.45(W) x 1.5m(H)	0.25(W) x 1.5m(H)



Swingable Operator Platform

Roof Piling M/C



Soil Nailing M/C







Roof Piling M/C Specifications

Model	HD2350	
Torque	745kgf*m	
Width	2,600mm (outrigger open: 3,600~4,000mm)	
Machine speed	3.2km/hr	
Mounting CAPA.	35deg.	
Height	3,800mm	
Weight	19,500kg	
Engine	75kw / 2,200rpm	
Leader rotation	250 deg.	
Working height, Max extended leader	7,050mm	
Pipe holder	Ø 114mm basic	
Clamp power	30ton	
Option	electric power system	

Soil Nailing M/C Specifications

Model		Soil Nailing M/C
Dimension		3,162mm * 580mm * 460mm
Weight		155kg
Rotation	Hydraulic motor	MT500
Rotation	Max Torque	1,200Nm (160bar)
	Hydraulic motor	TG0335
Feed	Feed force	1ton (140bar)
	Max Feed force	1.6ton (210bar)
Feed Stroke		2.0m
	Dimension	1,000mm * 1,700mm * 1,075mm
	Weight	400kg
Power Pack	Power Diesel engine	34PS/1500rpm 42PS/1800rpm
	Hydraulic Pump	Gear pump / 20cc + 20cc Max pressure: 240bar

CS Auxiliary Equip



Features

Friction Welded for Connection API Specification for Raw Materials International Standard for Various Tool Joints

Drill Rods

CSI can also supply various rods for all kind of DTH drilling works. CSI drill rods fulfill their function of transmitting rotation power from drilling machine to the bit, and supplying high pressure to air and water. They can be connected to tens or thousands of meters in length.









Screw Rods





Leader Assembly







Shock Absorbers & Swivel

Along with our main products, we also develop and manufacture a variety of auxiliary equipment. Especially we are providing optimized auxiliary equipment, such as shock absorbers, rotary heads and mud pumps to extend the service life of rigs and ensure more convenient and safer work.







Shock Absorber Specifications

•			
Size	Outside Dia. /mm	Length /mm	
3"	77 mm	496 mm	
4"	97 mm	496 mm	
5"	117 mm	580 mm	
6"	138 mm	580 mm	
8"	180 mm	656 mm	
10"	225 mm	1,017 mm	
12"	270 mm	1,017 mm	

Rotary Head







Breakout Bench

CSI Breakout Bench is a cost effective way of recovering bits and bottom subs from bent or broken drill rods. Our Breakout Bench is a great help when servicing, maintaining and repairing a DTH-hammer.





GSwww.okcsi.com

CS Auger Hammer

CSI auger hammer is special in that it combines the strong points of pneumatic hammer and auger bit in an effective way. It will be the best choice to bore holes in complex rock strata of weathered, sedimentary, soft and hard rock.







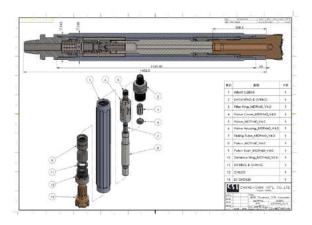




CS Coming Product; Mud DTH Hammer







Innovation & Distinction

CS Mud Hammer is operated by mud, drilling fluid. It has each advantage of Rotary drilling that can be secure drilling stability, and Percussion that can be accomplished outstanding drilling speed.