

TOP HAMMER DRILL RIG STD-Series

SOOSAN
HEAVY INDUSTRIES



iF Award
Design
Leader's choice
2017



GOOD DESIGN
2017



reddot award 2018
winner



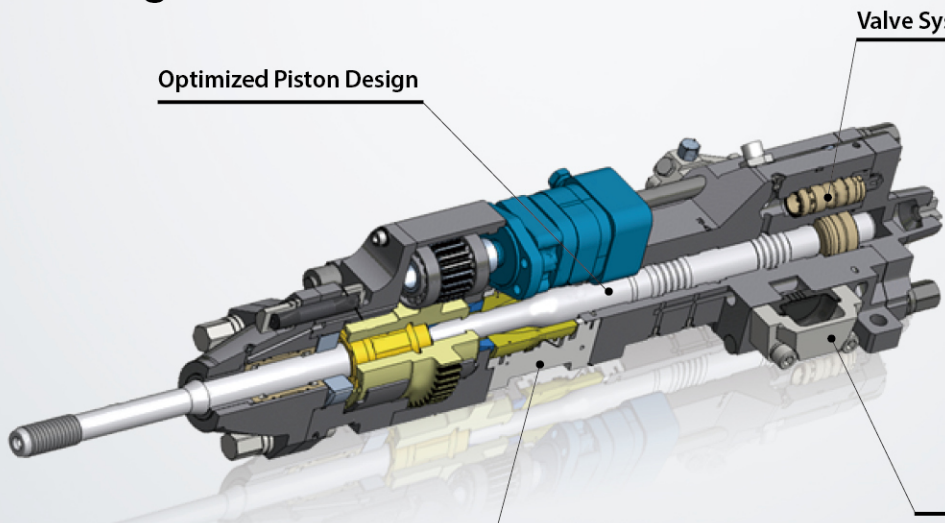
**Powerful Drilling &
Highly Fuel Efficient**

H.M.L Work Modes H : @2000RPM M : @1800RPM L : @1600RPM

www.soosanheavy.com

Excellent Drilling Performance and Durability

High Pressure Drifter TD Series



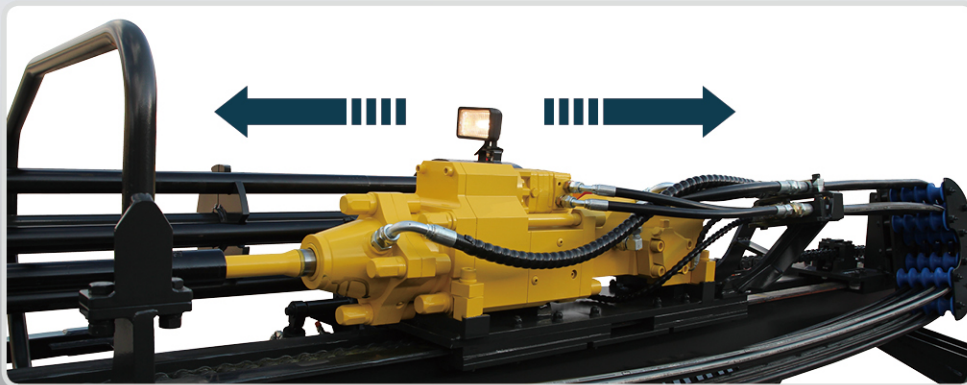
Optimized Piston Design

Valve System of Simple Structure

Damping System Minimizing of Drilled Materials and Enhanced Durability

Proven High Durability of Diaphragm

Excellent drilling performance acknowledged over the world, our excellent hammering technology, 30 years in the drifter manufacturing.



Model	Unit	TD-45P	TD-51P
Weight	lb(kg)	443(201)	672(305)
Impact Power	kW	15	20
Impact Rate	bpm	2,800~3,000	2,800~3,000
Operating Pressure	psi(kg/cm ²)	1,991~2,418 (140~170)	1,991~2,560 (140~180)
Number of Rotations	rpm	0~220	0~200



Powerful and Safe Driving Performance



Minimization of impacts transferred to the lower part and strengthened durability



Secured safety for the front and rear sides while driving and boom feeding



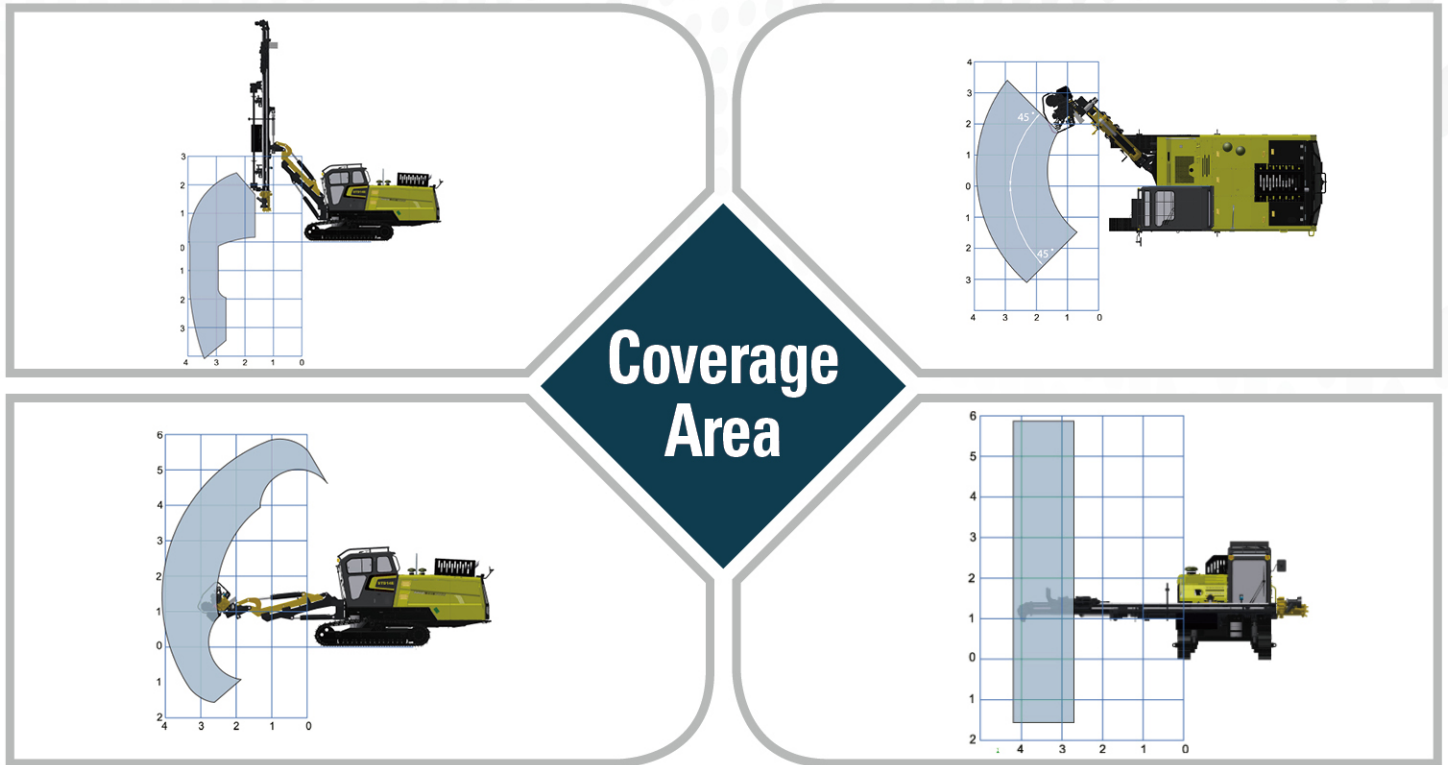
Oscillating angle: +/- 10degrees



No trapping of the lower part of the chassis with its high ride height

Maximized Drilling Efficiency with a Wide of Drilling Coverage

Ultimate drilling efficiency under various kinds of environments, 45 degrees to the left and right and 60 & 40 degrees upward & downward



Description	Unit	STD114E	STD144E
Engine : Output	HP(kW)	173HP(129kW)	225HP(168kW)
	-	CUMMINS/QSB6.7 TIER 4 FINAL	
Drifter	Model	TD-45P	TD-51P
Hole Range	inch	2.5~4.0	3.0~4.5
	mm	64~102	76~115
Drill Steel	-	T38, T45	T45, T51
Number of Rods	ea	5+1	6+1
Rod Length	ft	12	
	mm	3,660	
Boom	-	Extendable Boom	
	UP/DN	60°/40°	
	Left/Right	45°/45°	
Oil Capacity - Fuel Tank	gal	85	106
	ℓ	320	400
Oil Capacity - Hydraulic Tank	gal	66	
	ℓ	250	

Description	Unit	STD114E	STD144E
Compressor	CFM	205@10.5bar	290@10.5bar
	m³/min	5.8@10.5bar	8.2@10.5bar
Dust Collector	CFM	706~883	
	m³/min	20~25	
Safety Cabin	-	ROPS&FOPS Certified	
Control	-	joystick	
Weight	lbs	31,305	32,849
	kg	14,200	14,900
Width	ft	8.0	
	mm	2,450	
Height	ft	10.1	10.3
	mm	3,080	3,150
Length	ft	30.2	30.9
	mm	9,198	9,415

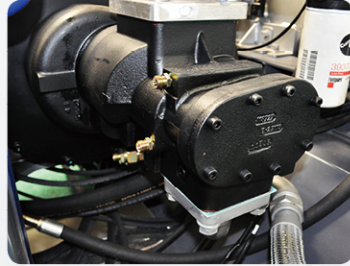
Enhanced Customer Convenience and Maintainability through Simple and Efficient Designs

Working and maintenance efficiency, simplified structure and minimized no. of parts
 Easy to replace a filter or oil and a wide room for an engine
 Easy to replace of most of consumable parts, Highly compatible

Optimal Power Unit



Cummins Tier4 Engine
 QSB6.7 Final [STD114E] 173HP
 [STD144E] 225HP



Compressor Air Volume
 [STD114E : GHH CF75G] 5.7m³/min
 [STD144E : GHH CF90G] 8.2m³/min

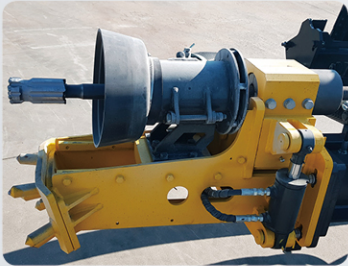


Double Pump
 Enhanced fuel efficiency per hour



Switchboard

Main Components



Suction Hood



Reliable dust collector with a powerful suction power
 Suction capacity: over 20~25m³/min



Urea Tank (38liter)



Hose Reel

Ergonomically Designed Cabin



Comfortable cabin with plenty of elbowroom



Excellent feel of grip and convenient joystick control



Real-time Monitoring System (Feed/ Rear/ Black box)



LED Light

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Quick Inquiry



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