

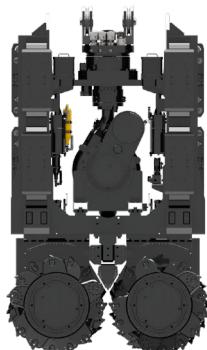
# SH module

soilmec®

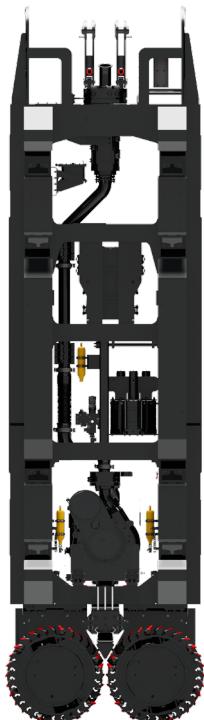


# Module data sheet

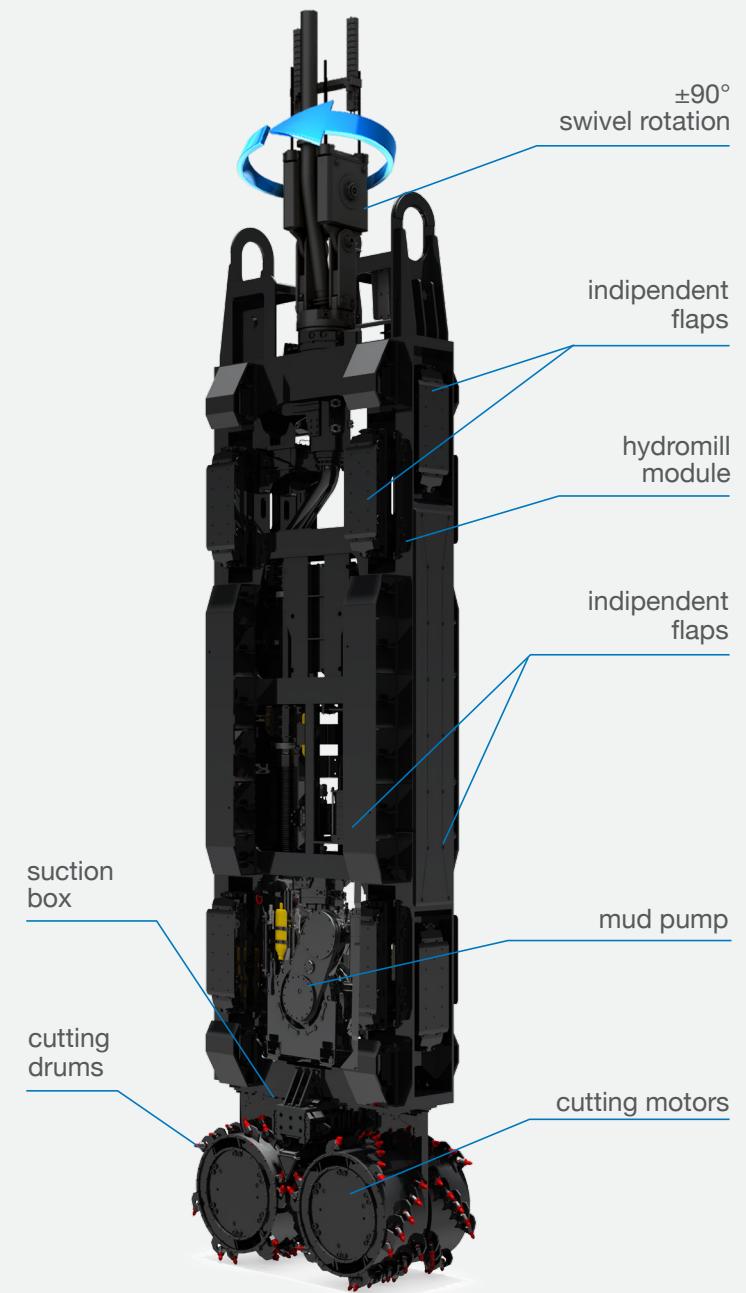
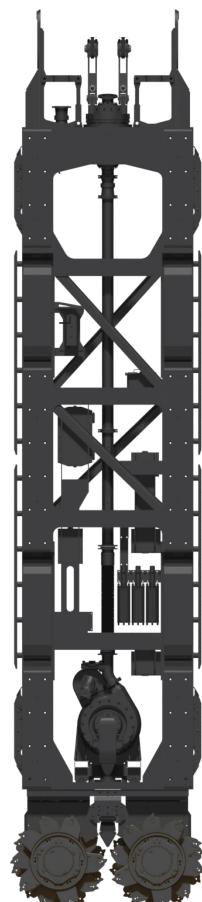
Module SH-25



Module SH-35



Module SH-40



# Cutting drums

Standard Teeth Drums



**Standard Teeth Drums**

Coarse and cohesive soil, alluvial soil with small size of soft rocks boulders, medium-soft decompressed rocks (UCS < 20 MPa)

HD Teeth Drums



**HD Teeth Drums**

Mixed soils, fractured and medium decompressed rocks (UCS up to 30 MPa)

Standard Pick Drums



**Standard Pick Drums**

Mixed soils with boulders, fractured and medium-hard decompressed rocks (20-50 MPa UCS)

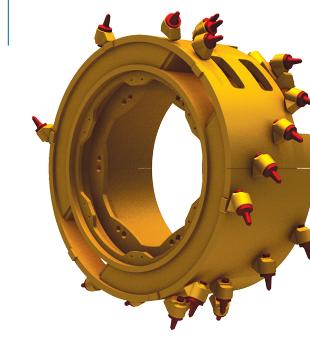
Auger Pick Drums



**Auger Pick Drums**

Low fractured medium and hard rock formation (30-50 MPa UCS)

HD Pick Drums



**HD Pick Drums**

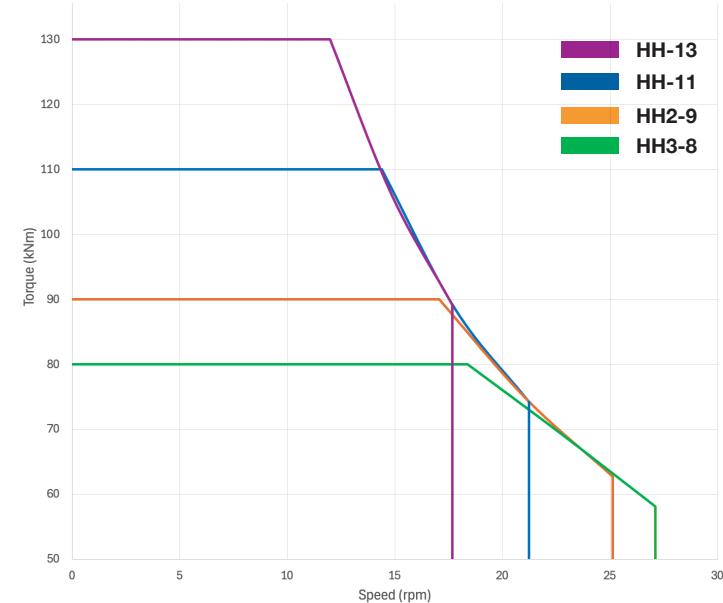
Not fractured hard-extremely hard rock formation (5UCS > 50 MPa)

Module Type	SH-25	SH-35	SH-40
<b>Module height (H)</b>	5,2 m	17 ft	13,3 m
<b>Trench length range</b>	2800 mm	110 in	2800 ÷ 3200 mm
<b>Trench width range</b>	650 ÷ 1500 mm	26 ÷ 59 in	800 ÷ 2000 mm
<b>Weight range</b>	20 ÷ 30 t	44092 ÷ 66139 lb	40 ÷ 50 t
<b>Independent mobile flaps</b>	12	12	12
<b>Cutting motors</b>	2	2	2
<b>Torque range</b>	110 kNm	81132 lbf*ft	110 ÷ 130 kNm
<b>Drilling speed</b>	25 rpm	25 rpm	25 rpm
<b>Flow rate</b>	450 m³/h	15892 ft³/h	450 m³/h
<b>Delivery pipe</b>	152 mm	6 in	152 mm
<b>Hydromill module rotation</b>	± 90°	± 90°	0° / +90°

# Cutting motors



HH-13		HH-11		HH2-9		HH3-8	
V (rpm)	T (kNm)						
0	130	0	110	0	90	0	80
12	130	14	110	17	90	18	80
15	106	18	88	21	75	23	69
18	89	21	74	25	63	27	58
18	0	21	0	25	0	27	0



SOIL UCS (MPa)	TRENCH WIDTH (mm)						CUTTING WHEELS	
	650	800	1000	1200	1500	1800		
UCS < 20	SH-25						Type 1 & 2	
	SH-35							
	SH-40							
20 < UCS < 50	SH-25						Type 2 & 3	
	SH-35							
	SH-40							
30 < UCS < 50	SH-25						Type 4 & 5	
	SH-35							
	SH-40							
UCS > 50	SH-25						Type 5	
	SH-35							
	SH-40							
CUTTING MOTOR								
TRENCH WIDTH (mm)								
650	800	1000	1200	1500	1800			

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