

AgitatorHE PLUS System

Proven friction reduction, maximized weight transfer and drilling performance

The Agitator™HE PLUS system gently oscillates the BHA to significantly improve weight transfer and reduce friction. This technology provides the same friction reduction effect as the standard AgitatorHE system with a lower overall pressure drop.

The AgitatorHE PLUS system consists of low pressure shock and AgitatorHE tools. It can be configured as a low pressure system with a target pressure drop of 350-450 psi, or as a harder hitting system with a standard pressure drop of 500-600 psi.

Pre-job planning ensures AgitatorHE PLUS compatibility with all downhole motors, rotary steerable systems and MWD/LWD.



Features and benefits

- Reduces downhole friction and stick-slip
- Maintains higher flow rates in long laterals
- Improves weight transfer and toolface control
- Extends bit life
- Prevents weight stacking and drill string buckling
- Increases sliding and rotary ROP
- Maximize MWD signal quality and friction reduction power in challenging applications

AgitatorHE PLUS System specifications

Tool size (OD)	3¾ in.	4¾ in.	5 in.	6½ in.	6¾ in.
			5 in. (High Flow)	6½ in. (High Flow)	6¾ in. (High Flow)
Overall length (Agitator/Shock tool)	12.5 / 10.9 ft	11.5 / 11.2 ft	11.5 / 12.4 ft	15 / 13.4 ft	13 / 12.3 ft
			11.5 / 12.4 ft	13.5 / 13.4 ft	14.5 / 12.3 ft
Weight (Agitator/Shock tool)	240 / 273 lb	310 / 568 lb	498 / 625 lb	900 / 1110 lb	1000 / 1164 lb
			500 / 625 lb	900 / 1100 lb	1000 / 1164 lb
Flow rate range	90-140 gpm	150-270 gpm	150-270 gpm	375-475 gpm	400-600 gpm
			250-330 gpm	400-600 gpm	600-900 gpm
Maximum temperature	320°F / 375°F	320°F / 375°F	320°F / 375°F	320°F / 375°F	320°F / 375°F
Low pressure drop (PLUS setup)	350-450 psi	350-450 psi	350-450 psi	350-450 psi	350-450 psi