

The packer milling and retrieving tool URP-2

The packer milling and retrieving tool with mill and junk basket is designed to retrieve packers and its milled particles. If necessary the URP-2 can switch over the mechanism of gripping sleeve and release from engagement with milled packer.

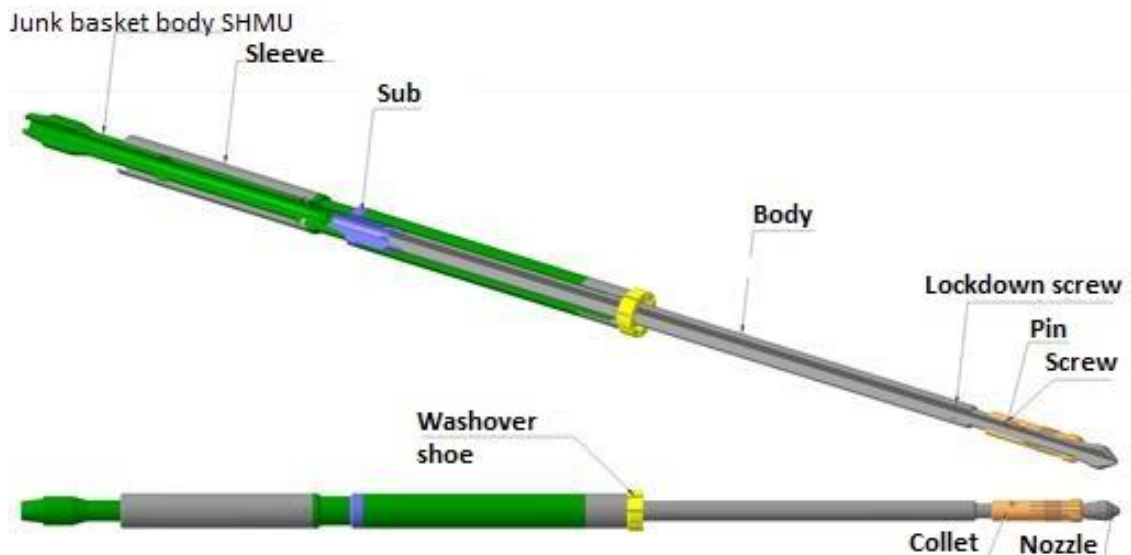


Fig. 1

Setup and operation principle

The packer milling and retrieving tool (Fig. 1) consists of annular mill, sub, body, extension, nozzle of lockdown screw, pickup collet, junk basket body SHMU, sleeve, pin and screw. The sleeve is attached to the junk basket body (which has thread connection at the top) by means of screws. The junk basket in an assembly with sleeve forms basket for collecting particles from the milling process. The sub is attached to the bottom of body by tool-joint thread. The extender is screwed into the core of sub, and another extender goes to the outside diameter in a form of pipe with washover shoe. The nozzle with pin and pickup collet are screwed at the bottom of extender.

Technical parameters

Main parameters and sizes of packer milling and retrieving tool type URP-2

Code	URP-2-194
Casing string diameter, in	9-5/8
Connecting thread	4-1/2 Reg
Outside diameter of milling funnel, in	7.63
Inside diameter of milling funnel, in	5.25
Length of lead-in part of washover mill, ft	3.97
Nominal size of basket grapple, in	4.44/5.35
Diameter of nozzle, in	3.74/3.94
Length, ft	12.19
Weight, lb	932.7