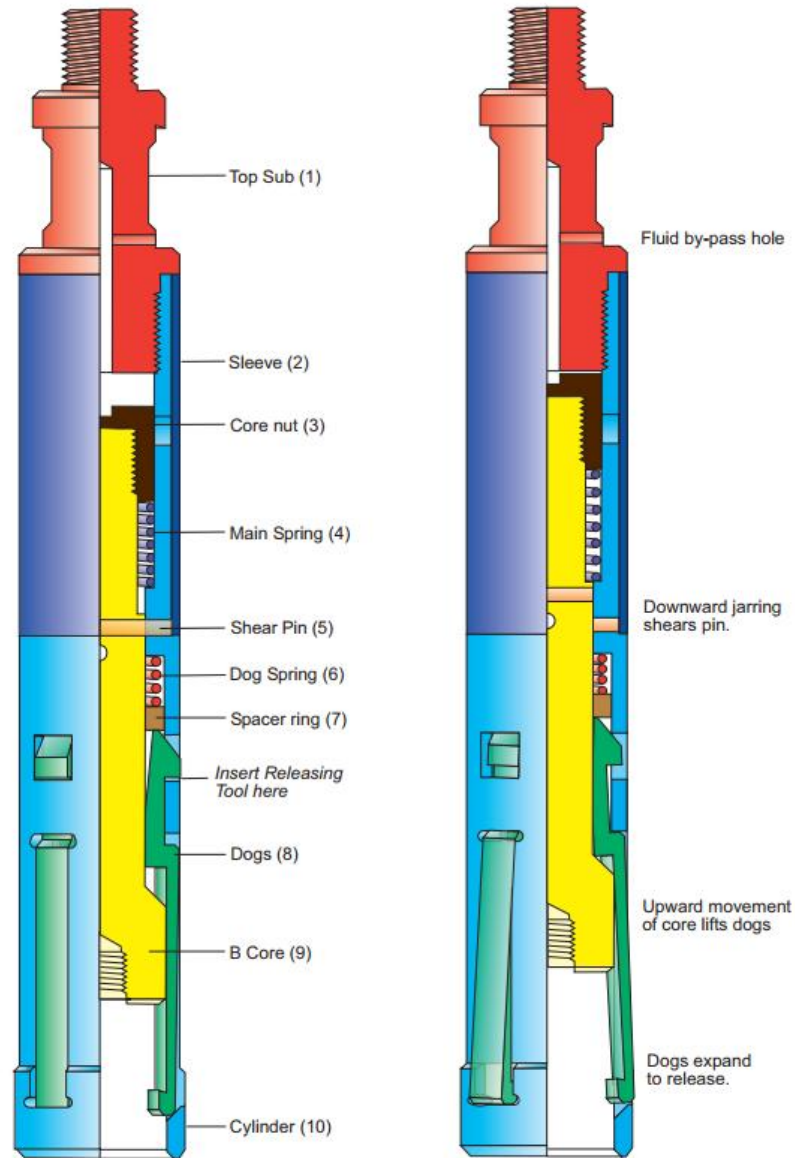


OTIS SB PULLING TOOLS

By Albert P.

Table of Content

- ✓ SB Tool Drawing
- ✓ S Pulling Tool Pinning
- ✓ S Pulling Tool Core
- ✓ S Pulling Tool Function
- ✓ SB Disassemble/Assemble Video



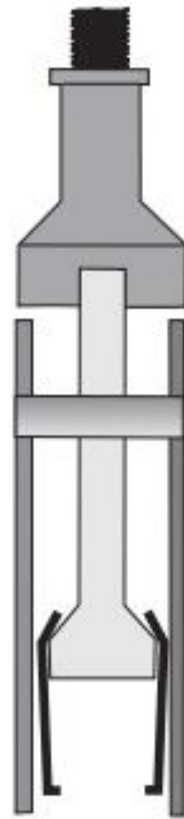
SB Pulling Tool Drawing

SB : In pinned position

SB : In sheared, releasing position

S Pulling Tool Pinning

- R** - The core is attached directly to the top sub.
- The skirt is pinned to the core.



Top Sub attached directly to core.

Bigger Shear pin in Otis type jar up tools than in jar down tools.

R Pulling Tool

- S** - The skirt is attached to the top sub.
- The core is pinned to the skirt.

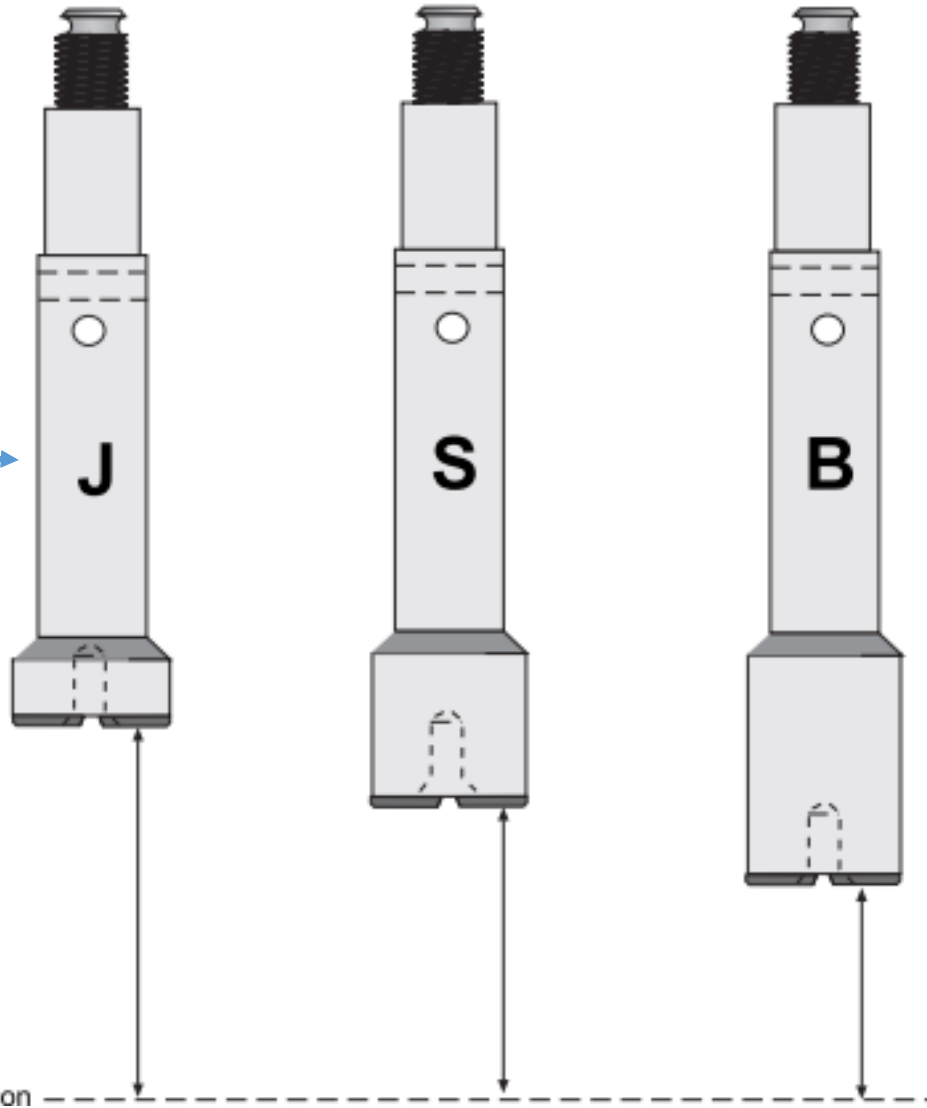


Top Sub **not** attached directly to core

S Pulling Tool

S Pulling Tool Core

Use for SSJ

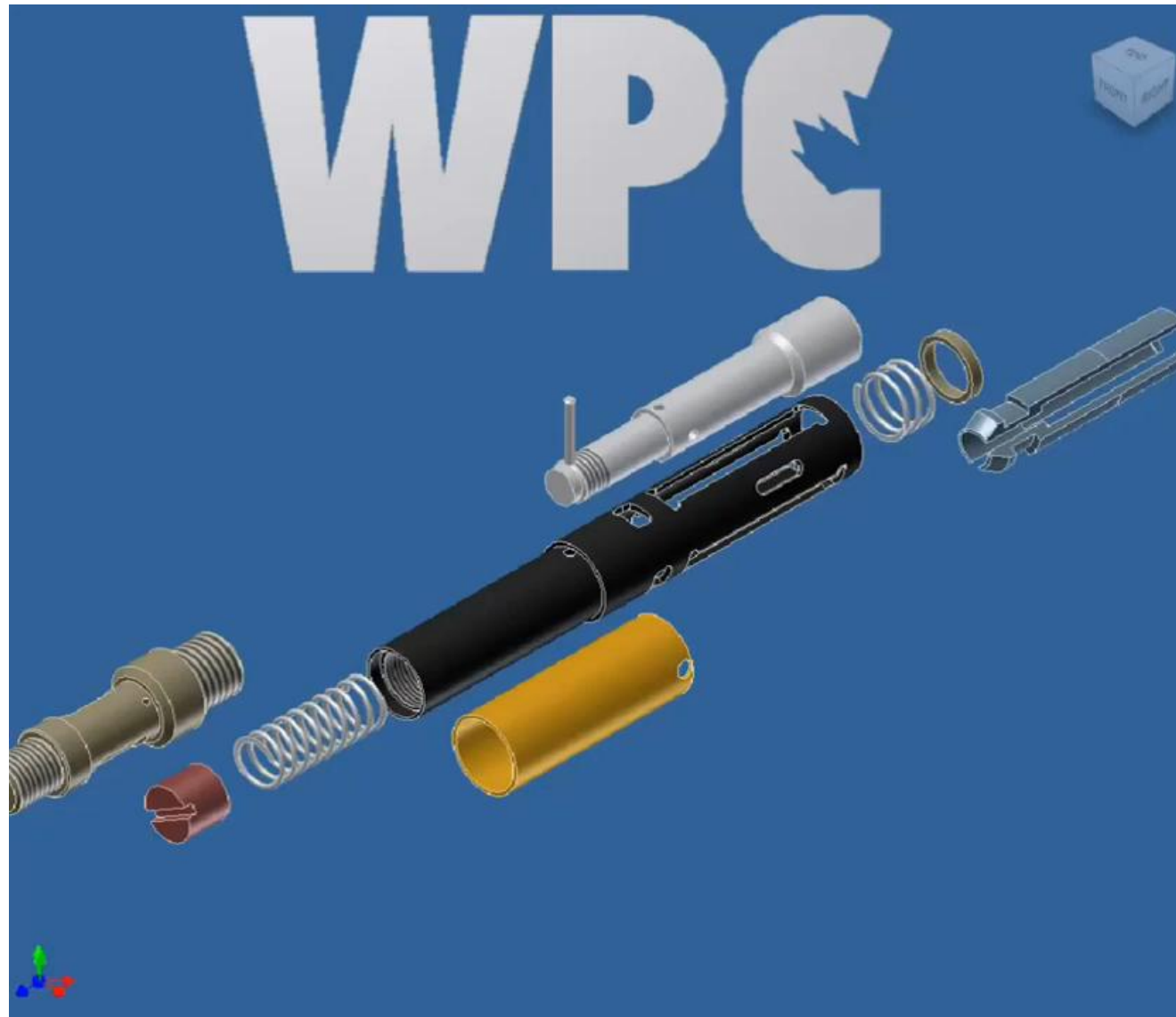


S Pulling Tool Function

1. To engage external fishing neck
2. Core available in 3 different type
3. Consist of top sub, inner core and spring loaded dog
4. Jar Down to shear off the pin

SB Pulling Tool FN Table

Nominal Size	Actual OD	Reach	Will Engage	Connection
1.25"	1.220"	1.280"	1"	5/8"-11 UN
1.5"	1.437"	0.688"	1.188"	15/16"-11 UN
2"	1.776"	1.219"	1.375"	15/16"-11 UN
2.5"	2.188"	1.281"	1.750"	15/16"-11 UN
3"	2.734" / 2.844"	1.380"/1.500"	2.312"	1-1/16"-11 UN



SB Assembly Video

