



Non-explosive Setting Tools

NeoNEST®

Description

NeoNESTs are “Ready-to-GO” wholly integrated non-explosive setting tools.

Model 10 & 20 NeoNEST service ratings & adapters are the same as Model 10 & 20 Baker Setting Tools.

Model 10 Max Temperature, Force & Stroke Capabilities: 350° F (177° C), 35,000 lbf and 6” stroke

Model 20 Max Temperature, Force & Stroke Capabilities: 350° F (177° C), 60,000 lbf and 10” stroke

NeoNESTs;

- use Baker Setting Tool adapters and routine field operations,
- reset in seconds, whereupon another plug can be attached and run within minutes,
- set plugs and packers in 6 – 12 minutes and produce superior long-life pressure isolation,
- can set hundreds of plugs between redressing operations†,
- can be operated in any spatial orientation, e.g., vertical through up-side-down orientations,
- have no transportation restrictions, and
- can set plugs at one wellsite and be easily transported to numerous other wellsites to set multiple other plugs, all without redressing.

NeoNEST models:

- Standard Service (pressures to 15,000 psig & temperatures to 350° F (177° C)),
- 2-stage NeoNESTs are capable of longer strokes and 100,000+ lbf,
- UHP/UHT Service (pressures to 20,000 psig & temperatures to 420° F (215° C)), and
- NeoNESTs can be run in horizontal wells.

NeoNEST Benefits

- Safer more efficient field operations.
- Eliminate burdens related to the use and transport of explosives.
- Safe, easy transport by land, sea, and air without restrictions.
- No expendable costs per run.
- Hundreds of plugs can be run and set between redressing. †
- Produce long-life superior plug and packer seals.
- Compatible with Shooting Gamma Ray
- Operates on positive and negative polarity

NeoNEST – Standard Service Models							
NeoNEST P/N	Max Service Pressure	Max Service Temp	Max Applied Load Capability	Power Requirement @ Head	Run-in Dia	NeoNEST Make-up Length	NeoNEST Weight
9100-010-114 G6	15,000 psig	350° F (177° C)	35,000 lbf @ 6” stroke	275 V_{dc} & 700 milliamp	2.75”	140-1/2”	132 lbms
9100-020-124 G6	15,000 psig	350° F (177° C)	60,000 lbf @ 10” stroke	275 V_{dc} & 700 milliamp	3.81”	151-1/4”	250 lbms

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NeoNESTs are Patent Protected

†Valid when BHP & BHT are less than 5,000 psig & 250° F, respectively.