



Reliability is key when it comes to preparing the toe of a well for frac operations. Tubing-Conveyed Perforating (TCP) is reliable but costly and wet-shoes often have significant operational disadvantages depending on the application. The LONEstart™ Toe Sleeve offers a reliable and cost-effective alternative that will ensure the operator saves time and money.

Features

- Patent Pending Design enables the LONEstart™ to have only one dynamic seal exposed to the internal diameter of the casing string. This unique feature guarantees the best chance of success, even in the worst environments.
- Zero brass shear devices allows for repeatable and reliable opening pressures.
- The LONEstart™ has the largest hydraulic piston area on the market. At an opening pressure of 12,000 psi, the piston generates over 60 tons of force to activate the tool.
- The smooth ID enables an effective wipe job following deployment of the LCT HD Cement Plug.

LONEstart™ Specifications

Casing Size	OD	ID	Torque Cap.	Length	Pressure	Temp (F)	Ball Seat	Full Opening
4.500" Slim-hole	5.450"	3.210"	25k ft-lbs.	29.500"	18,000 PSI	325	✓	✓
4.500"/5.000"	5.800"	3.470 "	25k ft-lbs.	30.500"	18,000 PSI	325	✓	✓
5.500" Slimhole	6.000"	3.470"	35k ft-lbs	30.500"	18,000 PSI	325	✓	✓
5.500"	6.875"	4.250"	40k ft-lbs.	30.500"	18,000 PSI	325	✓	✓
5.500" Full-Bore	7.450"	4.710"	40k ft-lbs.	30.500"	18,000 PSI	325	✓	✓

LONEstart™

Toe Sleeve