

# TUBING CONVEYED PERFORATING SYSTEM

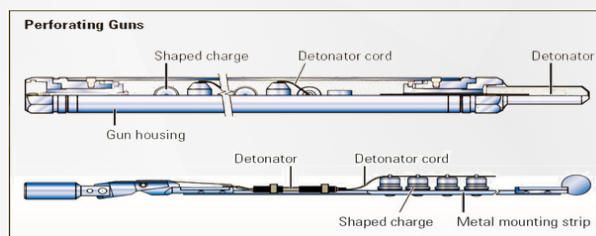
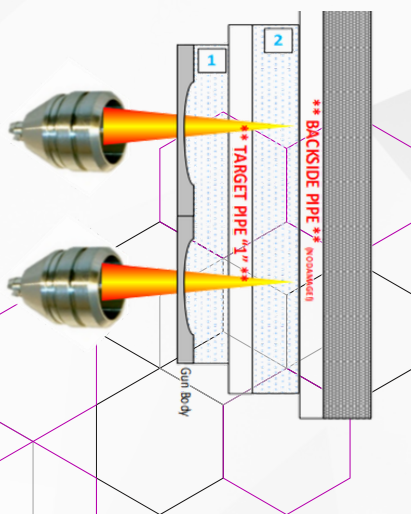


## SCALLOPED – GUN SYSTEM (HIGH SHOT DENSITY, HSD)

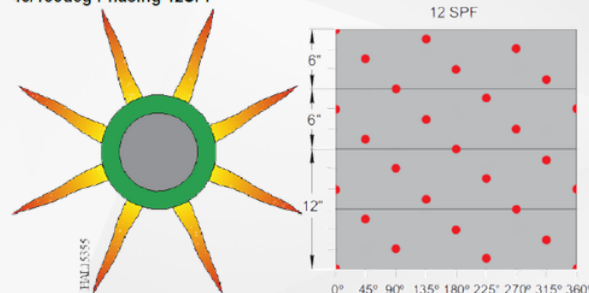
The heart of Neu Dimension's Corelab® service is the Corelab® assembly. The HSD system assembly uses bi-directional boosters, non-lead azide explosives, specialized connectors and inserts, and high velocity-low shrink detonating cord. All these, as well as premium quality gun material, are manufactured to Neu Dimension proprietary specifications. The primary design factors for these components are safety and reliability. All HSD system assemblies incorporate machined scallops. This helps to optimize charge performance and prevents casing damage from perforating exit hole burrs. Additionally, shot phasing is designed to maintain the integrity and collapse resistance of the casing after perforating.

## LIMITED – ENTRY GUN SYSTEM

Neural TCP perforating charges capable of operating in dual casing scenario (limited-entry penetration) which limits the damage of secondary string. It produces consistent entry hole and large flow area for less impeded cement flow and more homogenous cement plug.



45/135deg Phasing 12SPF



## ADVANTAGE OF NEURAL TCP GUN SYSTEM

- Capable of running in a single trip when paired with washing technology (Hydrawell) with shoot and drop application.
- Entry-hole diameter(EHD) of the perforated hole of more than 1 in is achievable for PWC application.
- Our perforating charges minimizes effects of tortuosity and aides in reduction of treating pressure. They produce consistent entry hole sizes, regardless of gun position to allow fracture initiation to occur at the face of borehole
- Neural TCP gun system can be deployed with Coiled Tubing, Drill Pipe & Work String (**1-11/16in through 7in/9in gun system**)
- The perforating charges capable of producing deep penetration hole up to 66in in 400°F bottomhole temperature with 9-5/8 casing size.

More Information please contact :

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