



Head Office

DynaEnergetics GmbH & Co. KG

Kaiserstraße 3
53840 Troisdorf
Germany

T +49 2241.1236.730
F +49 2241.1238.730

dynaenergetics.com
sales@dynaenergetics.com

© 2018

DOCKET
A L A R M

Find authenticated court documents without watermarks at docketalarm.com.

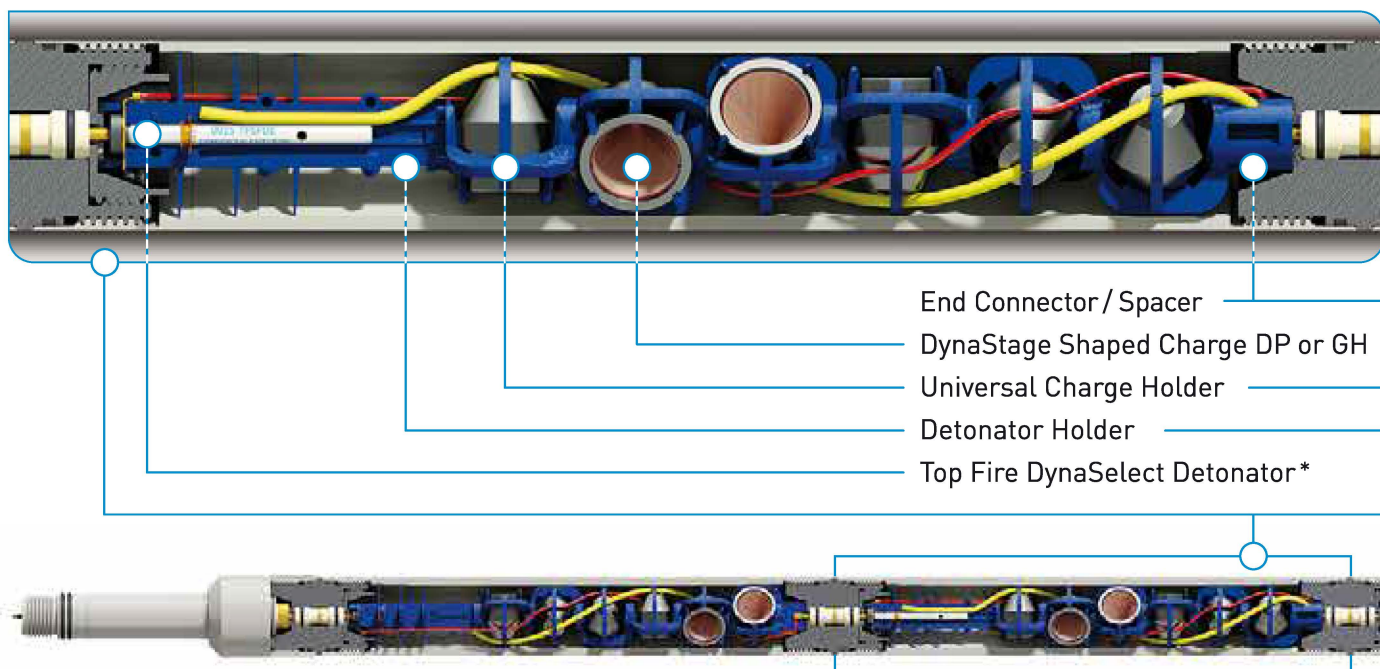
What if you had a true »PLUG & GO« selective perforating system that eliminates your gun loading and maintenance requirements, is more reliable, shorter, lighter and easier to handle?

Whether it is for natural completions or horizontal shale gas fracture stimulation – Simply the future!

DYNASTAGE™ GUN SYSTEM

The DynaStage Gun System works on the basis of the proven DynaSelect integrated switch-detonator combination and a perforating gun that is fully customizable, fully disposable and maintenance free. This innovation combines RF safe, stray current safe, stray voltage safe and selective technology into one package with state of the art injection molded gun parts.

The DynaStage Gun System improves reliability, efficiency and safety. With its simplicity the system will reduce overall running cost as well as eliminate any maintenance.



Our efforts - your benefits

- 100% plug and go
- Fully customizable (phasing, shot density, charge type)
- Fully disposable - Maintenance free
- Does not require any wiring, crimping or servicing
- True RF, stray current and voltage - safe without any additional components
- **NO** gun loading and field assembly required
- **NO** software needed when using the new Multitronic V Firing Panel
- Uninterrupted communication with all detonators while in the well
- Combination of plug setting and perforating
- Efficient single trip perforating with up to 20 guns and a plug