



Lubecore Technical Announcement

Progressive Divider Valve Plugs

Lubecore is pleased to announce the introduction of the 20.253 plug to replace the 20.205 plug for use in Lubecore progressive divider valves.

Three improvements that Lubecore made to the plug design are:

1. *Corrosion Resistance:* Now made of Stainless Steel.
2. *Greater Strength:* More threads, External Hex.
3. *Ease of Use:* Wrenching with either socket or wrench.



Figure 1: 20.253 plugs



The recommended installation torque for these plugs is 170 to 175 in-lb. With a torque of 170 in-lb applied to the new plug, the progressive blocks were pressure tested to a static pressure of 4000 psi. The pressure held for 10 minutes without leakage before the pressure was relieved from the test. Similar testing was also conducted using the old 20.205 plug and it also passed the pressure hold test.

The pressure in the testing was then increased until the first system failure became apparent. Pressure was increased until the Korilla lining burst off the barbed fitting at over 4000 psi in the burst range the Korilla line typically bursts from the barbed fitting.

The combination of the pressure hold and burst pressure testing show the fitting’s performance to be acceptable.

New part numbers and what they substitute are listed below:

New Part #	Description	Substitutes Part #
20.253	Plug, M10 x 1.0	20.205