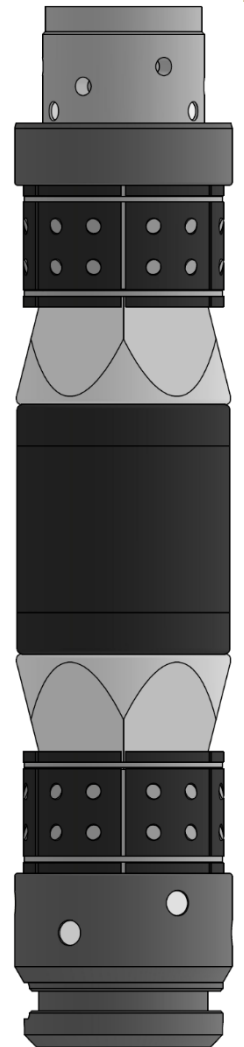




# Royal Composite Bridge Plug

Royal's Composite Bridge Plug is a well isolation device used to separate stages in either vertical or horizontal wells during fracturing operations. This plug has been engineered to reach wellbore depths efficiently, seal properly, anchor in place, and mill out easily. Designed with seven different material types, each serving a specific purpose for load type and application seen during the setting event and frac treatment. The Royal Bridge Plug can be run with either the ball-in-place, dropped from surface or pinned in place prior to the frac job and set with either standard setting tools or disposable setting tools.



## Features and Benefits

### Run-in Characteristics:

- Shear pinned components to prevent movement in case of impact
- Diversion feature to transfer impact load away from slips and into BHA
- Designed to be able to take multiple high-speed impacts
- Controlled, accurate, and aligned slip break up with maximized preset resistance
- Element engineered for high deployment pump rates
- Setting Sleeve on WLAK designed with wear gauge for indication
- Can be run with optional pump down ring

### Ease of Mill Out Due to:

- Fully composite and elastomer makeup
- Multiple anti-rotation features built-in for easier mill out
- Engineered button technology with stress risers built in allowing small pieces from mill out
- High quality resin system to prevent composite break down over time and better debris size

Royal Composite Bridge Plug Specification Guide									
Type	Casing (in)	Weight Range (lb/ft)	Max Pressure Above (psi)	Max Pressure Below (psi)	Max Temperature Rating (°F)	Tool Specs			Setting Tool
						Size	Length (in)	Max OD (in)	
Emperor	6.0"	22.5 – 26.5	12,500	7,500	325°	470	23.5"	4.700"	E4-#20 or Compact
King	6.0"	22.5 – 26.5	10,000	7,500	325°	470	23.5"	4.700"	E4-#20 or Compact
Emperor	5.5"	20	12,500	7,500	275°	438	21"	4.375"	E4-#20 or Compact
		23			300°				
King	5.5"	20-23	10,000	7,500	300°	438	21"	4.375"	E4-#20 or Compact