INSERT GUIDED CAGE

HIGH-STRENGTH, SINGLE-PIECE CAGE DESIGN FOR SMOOTHER FLOW & LONGER RUN LIFE

ABOUT THE INSERT GUIDED CAGE

Our Insert Guided Cage is engineered to outperform traditional hard-lined cage designs. An alternate pattern Stellite insert is friction-welded directly into the cage body, creating a secure, unified structure that resists wear from violent ball travel and abrasive downhole conditions.

The extended ball travel and increased flow area improves fluid flow while reducing pressure drop, helping pumps maintain efficiency even in challenging, debris-laden wells.

Built for long service life and versatility, making it a dependable upgrade for operators seeking better reliability and performance.

APPLICATIONS

- Pumps that experience cage beat-out or aggressive ball movement.
- Wells with high debris load.
- Rod lift systems needing improved durability and fluid handling.

BENEFITS

- Enhanced durability with an alternate patten Stellite® insert permanently friction-welded into place.
- Improved debris handling made possible by extended ball travel and an increased clearance that promotes smoother passage of solids.
- Greater flow area by utilizing a specifically engineered alternate pattern insert.
- Reliable performance in demanding downhole environments.

LL IG CAGE INCREASED FLOW AREA OVER A STANDARD HL CAGE

SIZE	IMPROVEMENT
1.25″	67%
1.50″	73 %
1.75″	88%
2.00″	96%
2.25″	76%

**Calculated from a standard hard-lined cage with an API ball versus Liberty Lift's IG cage*

HIGHLIGHTS

- One-piece insert guided cage for strength and stability.
- Available metallurgy options: MONEL® and Stainless Steel.
- Offered in sizes 1-1/4″ through 2-1/4″, in both single and double configurations.