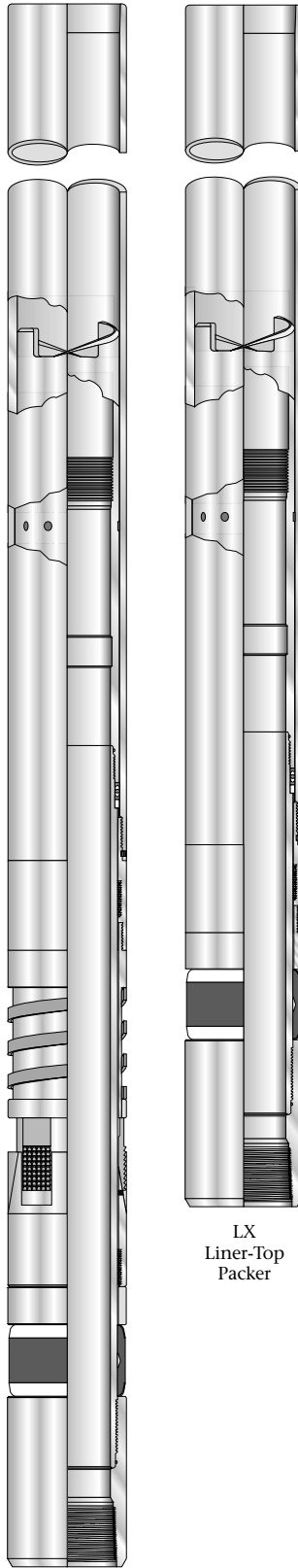


## HLX Liner-Top Packer

The HLX Packer is designed to provide a dependable high-pressure seal at the liner top while maintaining high circulating rates. This high-performance packer incorporates a packoff design built for the new millennium. The HLX Packer's re-engineered Gold Seal Cup™ design, along with the new hold-down slip design, patent-pending Ramp Packoff and ratchet ring, eliminates the liner-to-casing void, providing a metal-to-metal deformation never before seen. Because of this metal-to-metal contact, above and below the packoff element, the elastomer is energized against the liner and casing to provide the ultimate liner-top seal.

In addition, the HLX Packer comes standard with: tie-back receptacle (available in various lengths), HSN packoff element, Type "B" RPOB (Retrievable Packoff Bushing) profile, C-clutch and state-of-the-art hold-down slips. The drive sleeve with spring-assisted hold-down slips allows uninterrupted compression of the packoff element when weight is applied from above. The LX version of the HLX has all of the features of the HLX except for the hold-down slips. Both packers provide frictionless set, excellent bite.

- Provides an effective and consistent seal at the liner top.
  - Allows cement to be reversed out without exerting pressure on the formation.
  - Prevents gas migration through the cement.
  - Gold Seal Cup eliminates packoff extrusion.
  - Various elastomer types are available.
  - Hold-down slip design incorporates spring-assisted, machined-slip technology, eliminating slip-to-casing drag during compression, ensuring optimum drill pipe weight at the element.
- LX and HLX packers are available without the C-clutch.



LX  
Liner-Top  
Packer

HLX  
Liner-Top  
Packer

### HLX/LX Liner-Top Packer Specifications

LINER SIZE O.D.		CASING SIZE				MAXIMUM BODY O.D.		SEALING BORE I.D.	
		O.D.		WEIGHT RANGE					
In.	Mm.	In.	Mm.	Lb./Ft.	Kg./M.	In.	Mm.	In.	Mm.
3½	88.9	5½	139.7	14.0 - 17.0	20.8 - 25.3	4%	117.5	3.750	95.25
4	101.6	5½	139.7	14.0 - 17.0	20.8 - 25.3	4¼	119.1	4.188	106.38
4½	114.3	7	177.8	23.0 - 26.0	34.2 - 38.7	6	152.4	5.250	133.50
4½	114.3	7	177.8	29.0 - 32.0	43.1 - 47.6	5¾	148.4	5.250	133.50
5	127.0	7	177.8	23.0 - 26.0	34.2 - 38.7	6	152.4	5.250	133.50
5	127.0	7	177.8	29.0 - 32.0	43.2 - 47.6	5¾	148.4	5.250	133.50
5	127.0	7½	193.7	33.7 - 39.0	50.2 - 58.1	6%	161.9	5.250	133.50
5½	139.7	7½	193.7	26.0 - 29.7	38.7 - 44.2	6%	168.3	5.750	146.05
5½	139.7	7½	193.7	33.7 - 39.0	50.2 - 58.1	6%	161.9	5.750	146.05
7	177.8	9%	244.5	40.0 - 43.5	59.5 - 64.7	8%	212.7	7.375	187.33
7	177.8	9%	244.5	47.0 - 53.5	69.6 - 79.6	8¼	209.6	7.375	187.33
7½	193.7	9%	244.5	40.0 - 43.5	59.5 - 64.7	8%	212.7	7.750	196.85
7½	193.7	9%	244.5	47.0 - 53.5	69.9 - 79.6	8½	210.3	7.750	196.85
9%	244.5	11¼	298.5	60.0 - 65.0	89.3 - 96.7	10%	263.5	9.750	247.70
9%	244.5	13%	327.7	68.0 - 72.0	101.2 - 107.2	11¼	303.2	9.813	249.25
11¼	298.5	13%	327.7	68.0 - 72.2	101.2 - 107.2	12¼	306.4	11.563	293.7

Popular sizes shown. Other sizes available from your TIW representative.