

Description

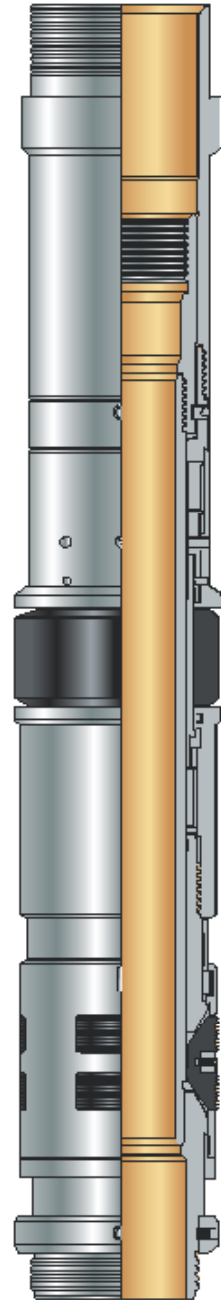
Superior Completion Services' CompSet™ Externally Retrievable Sealbore Packers are designed for high-pressure (HP) completions. A 12,500 psi (86.2 MPa) Extreme version is also available. These packers provide HP cycling without leakage or failure for a wide range of completion and stimulation applications, including gravel and frac packing, high-rate water packing, stimulations and horizontal completions. The HP packers can also be used as production sealbore packers.

Applications

- » Gravel/frac packing
- » Sand control
- » Horizontal and vertical wells
- » Zonal isolation; production isolation

Features and Benefits

- » Available in HP and Extreme options
- » Single-sealing packing element eliminates extrusion and extends packer life downhole
- » External retrieving sleeve facilitates packer retrieval with obstruction in sealbore
- » Designed for simple external release and retrieval; optional internal release
- » Large bore through packer and seals
- » Single HP sealing element
- » Splined to facilitate milling removal if required
- » Gauge ring on lower end of packer helps prevent premature setting when an obstruction or tight spot is encountered
- » Hydraulic- or wireline-set
- » Can be released with restricted ID
- » Rotationally locked



Technical Data

CompSet Packers											
Casing OD		Casing Weight Range		Maximum OD		Minimum ID*		Standard Seal ID		Differential Pressure Rating	
in.	mm	lb/ft	kg/m	in.	mm	in.	mm	in.	mm	psi	Mpa
CompSet Packer											
5	127.0	11.5 - 15.0	17.1 - 22.3	4.25	108.0	2.69	68.2	1.93	48.9	10,000	69.0
		18.0 - 21.0	26.7 - 31.3	4.00	101.5	2.69	68.2	1.93	48.9	10,000	69.0
5 1/2	139.7	13.0 - 15.5	19.3 - 23.0	4.52	121.8	2.69	68.3	1.93	48.9	10,000	69.0
		17.0 - 23.0	25.3 - 34.2	4.52	114.7	2.69	68.3	1.93	48.9	10,000	69.0
		26.0	38.70	4.25	108.0	2.69	68.3	1.93	48.9	10,000	69.0
6 5/8	168.3	28.0 - 32.0	41.6 - 47.6	5.52	140.1	2.69	68.3	1.93	48.9	7,500	51.7
7	177.8	20.0 - 26.0	29.7 - 38.7	6.08	154.3	3.25, 4.00	82.6, 101.6	2.38, 2.99	60.3, 75.8	10,000	69.0
		26.0 - 32.0	38.7 - 47.6	5.89	149.6	3.25, 4.00	82.6, 101.6	2.38, 2.99	60.3, 75.8	10,000	69.0
		32.0 - 38.0	47.6 - 56.5	5.74	145.7	3.25, 4.00	82.6, 101.6	2.38, 2.99	60.3, 75.8	10,000	69.0
		41.0	61.00	5.64	143.3	3.25	82.6	2.38	60.3	10,000	69.0
		46.4 - 51.0	73.70	5.31	140.1	2.69	68.3	1.93	48.9	10,000	69.0
7 5/8	193.7	24.0 - 29.7	35.7 - 44.2	6.68	169.7	3.25, 4.00	82.6, 101.6	2.38, 2.99	60.3, 75.8	10,000	69.0
		29.7 - 39.0	44.2 - 58.0	6.44	163.5	3.25, 4.00	82.6, 101.6	2.38, 2.99	60.3, 75.8	10,000	69.0
9 5/8	244.5	36.0 - 43.5	53.6 - 64.7	8.53	216.7	3.25, 4.00	82.6, 101.6	2.38, 2.99	60.3, 75.8	10,000	69.0
		36.0 - 43.5	53.6 - 64.7	8.53	216.7	4.75, 6.00	120.7, 152.4	3.47, 4.99	88.1, 126.6	10,000	69.0
		43.5 - 53.5	64.7 - 79.6	8.32	211.4	3.25, 4.00	82.6, 101.6	2.38, 2.99	60.3, 75.8	10,000	69.0
		43.5 - 53.5	64.7 - 79.6	8.32	211.4	4.75, 6.00	120.7, 152.4	3.47, 4.99	88.1, 126.6	10,000	69.0
9 7/8	250.8	62.8	93.5	8.42	213.9	6.00	152.4	4.74	120.3	10,001	69.0
10 3/4	273.1	55.5 - 65.7	82.6 - 97.8	9.38	235.7	4.75, 6.00	120.7, 152.4	3.47, 5.00	88.1, 127.0	8,000	55.2
11 3/4	298.5	54.0 - 65.0	80.4 - 96.7	10.40	264.2	4.75	120.7	3.47	88.1	8,000	55.2
CompSet Extreme Packer											
7 3/4	196.9	46.1	68.6	6.68	169.7	4.00	101.6	2.99	76.0	12,500	86.2
9 7/8	250.8	62.8	93.5	8.42	213.9	6.00	152.4	4.74	120.3	12,500	86.2
10 1/8	257.1	79.3	117.9	8.42	213.9	6.00	152.4	4.74	120.3	12,500	86.2

* Alternate bore configurations available upon request. *Configurations for thermal use available upon request.
Packers tested to API 11D1 and rated V0 – V6. Please contact your Superior representative for further information on specific sizes.

References

- » Completion tools seal systems data sheet
- » Packer plugs and accessories data sheet