

Versa-Trieve® VCA/VCH Retrievable Sealbore Packers

OVERVIEW

Versa-Trieve® VCA/VCH retrievable sealbore packers are designed for intermediate and high-pressure well applications. These compact packers incorporate the production features of permanent packers with the added feature of retrievability.

VCA/VCH packers can be either hydraulic- or wireline-set and are designed to be retrieved by a pulling tool with a straight pull of the tubing. When hydraulically set, these packers are ideal for deviated or directional wells where it is difficult to run mechanical-set packers. The VCH packer is designed for use with the HPT heavy hang weight soft release tool.

APPLICATIONS

- » Gravel pack
- » High-rate water pack
- » Ex-tension PacSM and FracPacSM services
- » Horizontal completion assemblies
- » Production sealbore packer
- » Suspending guns for tubing conveyed perforating
- » Stimulation

FEATURES

- » Packers can be run, set, and retrieved without any tubing rotation in most cases.
- » Hydraulic setting mechanism reduces the number of potential leak paths left down hole.
- » Scoop-head design saves time by providing a guide for landing seal units and accessories.
- » Spring-loaded, case-carburized internal locking slips maintain maximum element compression.
- » Multi-durometer element package is designed to seal against high and low pressures and against casing irregularities. (Standard HNBR or optional Aflas®* element packages are available. Special packer and element designs exist to suit high-pressure applications.)
- » Case-carburized slips or a barrel slip hold the packer securely against well pressures in all casing grades (including P110 and harder) from above and below.
- » Location of the slips beneath the elements simplifies releasing and retrieval, and keeps debris off the slips.
- » Packer is designed for simple release and retrieval.

Versa-Trieve VCA/VCH packers are available with the Versa-Latch® assembly top sub configuration. Threaded bottom subs are provided as a separate item for running gravel pack flow subs, sealbore extensions, or tubing tailpipe of varying types and sizes. The -Z designates that the packer has no bottom sub.



VCA Packer

VCH Packer

HAL 23370

Versa-Trieve® VCA/VCH Packers

Casing Size in. (mm)	Casing Weight lb/ft (kg/m)	Packer OD in. (mm)	Packer Bore in. (mm)	Production Seal Assembly in. (mm)
4 1/2 (114.30)	9.5-11.6 (14.14-17.26)	3.82 (97.03)	2.38 (60.45)	1.74 (44.07)
5 (127.00)	15-18 (22.32-26.79)	44.09 (103.89)	2.55 (64.77)	1.81 (45.97)
5 1/2 (139.70)	23-23.8 (35.22-35.41)	4.44 (112.78)	2.75 (69.85)	1.93 (48.95)
	20-23 (29.76-34.22)	4.50 (114.30)		
	17-20 (20.83-25.30)	4.60 (116.84)		
	14-17 (20.83-25.30)	4.67 (118.62)		
6 5/8 (168.28)	34.5 (51.34)	5.35 (135.89)	3.25 (82.55)	2.35 (59.69)
	28 (41.66)	5.53 (140.46)		
	24 (35.72)	5.73 (145.54)		
	20-24 (29.76-35.71)	5.73 (145.54)		
7 (177.80)	49.5-50.1 (73.66-74.56)	5.30 (134.62)	3.00 (76.20)	2.35 (59.69)
	49 (72.92)	5.35 (135.89)	3.25 (82.55)	2.35 (59.69)
	41-44 (61.01-65.47)	5.53 (140.46)		
	41-42.7 (61.01-63.54)	5.565 (141.35)		
	38 (56.55)	5.73 (145.54)		
	32-38 (47.62-56.54)	5.73 (145.54)	3.88 (98.55)	3.05 (77.47)
	38 (56.55)	5.725 (145.42)		
	32-35 (47.62-52.08)	5.82 (147.83)		
	32 (47.62)	5.89 (149.61)		
	26-32 (38.69-47.62)	5.92 (150.37)		
	26-29 (38.69-43.15)	6.015 (152.78)		
	26-29 (38.69-43.15)	6.00 (152.78)		
	23-29 (34.22-43.15)	6.00 (152.40)		
	23 (34.22)	6.14 (155.96)	6.275 (159.51)	
	23 (34.22)	6.19 (157.23)		
	17-23 (25.30-34.22)	6.19 (157.23)		
17-20 (25.30-29.76)	6.275 (159.51)			
7 5/8 (193.68)	45.3-47.1 (67.41-70.08)	6.14 (155.96)	3.88 (98.55)	3.050 (77.47)
	42.4-47.1 (35.72-70.09)	6.19 (157.23)		
	39-42.8 (58.03-63.69)	6.275 (159.51)		
	39 (58.04)	6.44 (163.58)		
	29.7-39 (44.19-58.03)	6.44 (163.58)		
	29.7-33.7 (44.19-50.15)	6.56 (166.62)		
	33.7 (50.15)	6.58 (167.13)		
	26.4-29.7 (39.28-44.19)	6.62 (168.15)		
24-29.7 (35.71-44.19)	6.68 (169.67)	3.88 (98.55)	3.050 (77.47)	
46.1 (68.6)	6.28 (159.96)			
7 3/4 (196.85)	46.1-48.6 (68.6-72.32)	6.19 (157.23)		
8 1/8 (206.38)	45.5 (67.71)	6.87 (174.5)	4.60 (116.84)	3.800 (96.52)
8 5/8 (219.08)	57.4-61.4 (85.42-91.37)	6.985 (177.42)	4.60 (116.84)	3.800 (96.52)
	60.7 (90.32)	7.00 (177.8)	4.60 (116.84)	3.800 (96.52)
	61.4 (91.37)	7.00 (177.8)	4.60 (116.84)	3.800 (96.52)
	55.83 (83.08)	7.125 (180.95)	4.60 (116.84)	3.800 (96.52)
	55.83-57.4 (82.94-85.42)	7.125 (180.98)	4.60 (116.84)	3.800 (96.52)

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Versa-Trieve® VCA/VCH Packers (Continued)

Casing Size in. (mm)	Casing Weight lb/ft (kg/m)	Packer OD in. (mm)	Packer Bore in. (mm)	Production Seal Assembly in. (mm)
8 5/8 (219.08)	52-54 (77.38-80.36)	7.16 (181.86)	4.60 (116.84)	3.800 (96.52)
	40-44 (59.53-65.47)	7.43 (188.72)	5.00 (127.00)	3.850 (97.79)
	28-36 (41.67-53.57)	7.63 (193.80)	3.88 (98.55)	3.05 (77.47)
	32 36 (47.62-53.57)	7.64 (194.06)	3.88 (98.55)	3.05 (77.47)
8 3/4 (222.25)	49.7 (73.96)	7.43 (188.72)	5.00 (127.00)	3.85 (97.79)
9 5/8 (244.48)	70.3-71.8 (104.61-106.84)	7.89 (202.69)	5.00 (127.00)	3.85 (97.79)
			3.88 (98.55)	3.05 (77.47)
			5.00 (127.00)	3.85 (97.79)
			5.50 (139.70)	4.26 (108.21)
	47-53.5 (64.74-79.62)	8.30 (210.82)	6.00 (152.40)	4.86 (123.44)
			3.88 (98.55)	3.05 (77.47)
			5.00 (127.00)	3.85 (97.79)
	43.5-53.5 (64.73-79.62)	8.30 (210.82)	6.00 (152.40)	4.86 (123.44)
			3.88 (98.55)	3.05 (77.47)
	43.5-47 (64.74-69.94)	8.45 (214.63)	5.00 (127.00)	3.85 (97.79)
			6.00 (152.40)	4.86 (123.44)
			3.88 (98.55)	3.05 (77.47)
	40-47 (59.53-69.94)	8.46 (214.88)	5.00 (127.00)	3.85 (97.79)
	36-43.5 (53.57-64.73)	8.52 (216.41)	3.88 (98.55)	3.05 (77.47)
			5.00 (127.00)	3.85 (97.79)
	40-43.5 (59.53-64.73)	8.52 (216.41)	6.00 (152.40)	4.86 (123.44)
36-40 (53.57-59.53)	8.60 (218.44)	3.88 (98.55)	3.05 (77.47)	
		5.00 (127.00)	3.85 (97.79)	
9 3/4 (247.65)	59.2 (88.10)	8.30 (210.82)	5.00 (127.00)	3.85 (97.79)
9 7/8 (250.83)	62.8 (93.46)	8.30 (210.82)	5.00 (127.00)	3.85 (97.79)
			6.00 (152.40)	4.86 (123.44)
	66.9 (99.56)	8.30 (210.82)	6.00 (152.40)	4.86 (123.44)
10 1/8 (257.18)	79.22 (117.89)	8.30 (210.82)	5.00 (127.00)	3.85 (97.79)
10 3/4 (273.05)	51-65.7 (75.90-97.77)	9.31 (236.47)	5.00 (127.00)	3.85 (97.79)
	60.7-65.7 (90.33-97.77)	9.34 (237.24)	6.00 (152.40)	4.86 (123.44)
11 3/4 (298.45)	65-71 (96.72-105.65)	10.30 (261.62)	6.00 (152.40)	4.86 (123.44)
11 7/8 (301.63)	71.8 (106.85)	10.34 (273.05)	6.00 (152.40)	4.86 (123.44)
13 3/8 (339.73)	68-72 (101.18-107.14)	12.13 (308.10)	6.00 (152.40)	4.86 (123.44)
			8.50 (215.90)	
	88.2 (131.26)		8.50 (215.90)	

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