



## Y111 Series Back Packer

### Features

- ※ Simple structure and easy to operate.
- ※ Usually used in shallow well with anchor packer.

### Main Technical Parameters

Model	Length (mm)	Max. O.D. (mm)	Min. I.D. (mm)	Thread TBG	Sealing Load (kN)	Working Pressure (MPa)	Working Temperature (°C)	Applicable Well Dia. (mm)
Y111-80	638	80	35	2 3/8	50~60	8	<120°C	φ 85~ φ 90
Y111-90	710	90	45	2 3/8	50~70	8	<120°C	φ 95~ φ 100
Y111-95	712	95	50	2 7/8	60~80	10	<120°C	φ 101~ φ 108
Y111-100	780	100	48	2 7/8	60~80	10	<120°C	φ 109~ φ 116
Y111-110	787	110	62	2 7/8	60~80	15	<120°C	φ 119~ φ 124
Y111-114	787	114	62	2 7/8	60~80	15	<120°C	φ 124~ φ 127
Y111-150	1190	150	62	2 7/8UP	100~120	15	<120°C	φ 159~ φ 166
Y111-110Z	948	110	φ 48	2 7/8	45~65	15	<120	φ 121~ φ 125
Y111-114Z	950	114	φ 50	2 7/8	60~80	15	<120	φ 124~ φ 128

## Y221 Series Slip Type Packer

### Features

- ※ Good sealing quality and high pressure tolerance.
- ※ It can be used in oil production, fracturing, water control but multistage is inadvisable.

### Main Technical Parameters

Model	Y221-80A	Y221-95A	Y221-110A	Y221-114A	Y221-146A	Y221-114B
Length (mm)	928	1010	1300	1063	1240	1220
Max. O.D. (mm)	φ 80	φ 95	φ 100	φ 114	φ 114	φ 114
Min. I.D. (mm)	φ 30	φ 44	φ 50	φ 48	φ 62	φ 52
Thread TBG	2 3/8	2 7/8	2 7/8	2 7/8	2 7/8UP	2 7/8
O.D. of Centralizer (Open/Off)	92/80mm	107/95mm	118/114mm	136/115mm	170/148mm	132/112mm
Sealing Load (kN)	40~50	60~80	70~100	80~100	120~150	90~120
Working Pressure (MPa)	25/8	25/8	50/10	30/8	30/8	50/10
Working Temperature (°C)	<120°C	<120°C	<120°C	<120°C	<120°C	<120°C



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Applicable Well Dia. (mm)	φ 85~88	φ 101~104	φ 107~114	φ 121~128	φ 157~162	φ 124~127
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## K344 Series Hydraulic Augmentation Type Packer

### Features

- ※ Simple structure and easy to seal.
- ※ It has sand control filter and usually match with choke holder.

### Main Technical Parameters

Model	O.D. × Length × I. D. (mm)	Thread TBG	Sealing Load (kN)	Working Pressure (MPa)	Applicable Casing	Working Temperature
K344-68	φ 68×780× φ 35	1.900	1.5MPa	10MPa	3 1/2"	90°C
K344-80	φ 80×818× φ 32	2 3/8	1.5MPa	10MPa	4"	
K344-90	φ 90×905× φ 50	2 7/8	1.5~2MPa	20MPa	4 1/2"	
K344-92	φ 92×905× φ 40	2 7/8	1.5~2MPa	25MPa	4 1/2"	
K344-95	φ 95×864× φ 50	2 7/8	1.5~2MPa	30MPa	4 1/2"	
K344-102	φ 102×864× φ 45	2 7/8	1.5~2MPa	30MPa	5"	
K344-112	φ 112×927× φ 62	2 7/8	1.5~2MPa	30MPa	5 1/2"	
K344-113	φ 114×960× φ 55	2 7/8	1.5~2MPa	30MPa	5 1/2"	
K344-139	φ 139×1025× φ 62	2 7/8	2MPa	30MPa	7"	
K344-113G	φ 114×960× φ 55	2 7/8	1.5~2MPa	50MPa	5 1/2"	120°C
K344-95G	φ 100×870× φ 42	2 7/8	2~3MPa	50MPa	5 1/2"	
K344-105G	φ 110×884× φ 49	2 7/8	2~3MPa	50MPa	5 1/2"	

## Y341 Series Hydraulic Compression Packer

### Features

- ※ Simple structure and small volume with large bore size.
- ※ Easy to operated and used in separate layer recovery, water injection, water control and well testing.

### Main Technical Parameters

Model	Y341-100A	Y341-105A	Y341-114A	Y341-105B	Y341-110B	Y341-115B
Length (mm)	773	760	730	1180	1250	1288
Max. O.D. (mm)	φ 100	φ 105	φ 114	φ 105	φ 110	φ 115
Min. I.D. (mm)	φ 50	φ 50	φ 62	φ 48	φ 50	φ 55
Thread TBG	2 7/8	2 7/8	2 7/8	2 7/8	2 7/8	2 7/8
Unset Load (kN)	25	30	35	6/30	6/30	8/35



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				(upper/Low)	(upper/Low)	(upper/Low)
Sealing Load (kN)	15	12	12	10~12	10~12	8~10
Working Temperature (°C)	<120°C	<120°C	<120°C	<120°C	<120°C	<120°C
Applicable Well Dia. (mm)	φ 112~116	φ 114~121	φ 124~127	φ 112~116	φ 121~124	φ 125~127

Note: The model with B is with double hydraulic cylinder.

## Y341 and Y344 Hydraulic Compression Packer

### Features

- ※ Differential pressure of opening for Y341 series when backwashing is high and shut off valves by two-way, which can prevent from pressure connection between layers; Meanwhile, Y341 series with features of large washing passage, good sealing quality.
- ※ Y344 series is with simple and compact structure and no backwashing passage. It can be used in fracturing. It has three hydraulic cylinder compression barrel. It's unset is easy just when decompression.

### Main Technical Parameters

Model	Y341-110C	Y341-110	Y341-114	Y344-115
Length (mm)	1040	1190	1190	1172
Max. O.D. (mm)	φ 110	φ 110	φ 114	φ 115
Min. I.D. (mm)	φ 48	φ 50	φ 50	φ 54
Thread TBG	2 7/8	2 7/8	2 7/8	2 7/8
Sealing Load (kN)	-	13~14	11~12	1.5~2
Sealing Pressure (MPa)	7~9	-	-	-
Working Pressure (MPa)	15MPa	6/30 (upper/low)	6/30 (upper/low)	35
Working Temperature (°C)	<90	<120	<120	<120
Applicable Well Dia. (mm)	φ 121~126	φ 121~124	φ 124~127	5 1/2 casing