



## Compression Packing Extraction and Insertion Tools

Extractors remove compression packing rings from pumps and valves for replacement. Interchangeable corkscrew and woodscrew tips allow removal of both fibrous and hardened packing. Flexible shafts make it easier to remove hard-to-reach packings. Tamping Tools are used to install packing rings into the stuffing box.



Size	Overall Length	Packing Spaces	Item No.
<b>Solid Shaft Packing Extractor/Pick, Pick Tip</b>			
P-7	10 in	1/8 in and Up	4VLW2
P-8	10 in	3/16 in and Up	4VLW3
P-9	10 in	1/4 in and Up	4VLW4
<b>Flexible Shaft Packing Extractor, Removable Tip</b>			
F-1	7 1/2 in	1/4 in and Up	4VLV4
F-2	11 in	3/8 in and Up	4VLV5
F-3	14 1/2 in	1/2 in and Up	4VLV6
<b>Flexible Shaft Packing Extractor, Non-Removable Tip</b>			
F-0	6 1/2 in	1/8 in and Up	4VLV7
F-4	19 in	3/8 in and Up	4VLV8
F-5	23 in	3/4 in and Up	4VLV9
F-6	30 in	1 in and Up	4VLW1
Size	Overall Length	Item No.	
<b>Packing Extractor Replacement Tip, Corkscrew</b>			
C-1	1 1/2 in	4VLW5	
C-2	2 in	4VLW6	
C-3	2 1/2 in	4VLW7	
<b>Packing Extractor Replacement Tip, Woodscrew</b>			
W-1	1 1/2 in	4VLW8	
W-2	2 in	4VLW9	
W-3	2 1/2 in	4VLX1	
<b>Packing Tamping Tools</b>			
1/4 in	7 1/2 in	12N763	
3/8 in	10 in	12N764	
1/2 in	16 in	12N765	
<b>Packing Injection Gun</b>			
—	28 in	12N769 *	
<b>Packing Injection Gun Fittings</b>			
1/4 in	1 in	12N770 *	
3/8 in	1 in	12N771 *	
1/2 in	1 in	12N772 *	

\* Injection packing available at Grainger.com.

Type		Item No.
<b>Packing Cutters</b>		
Guillotine		4VLX4
Hand Held		4VLX5
Blade		6FLH6
Knife		6FLH5
Description	Size	Item No.
<b>Packing Cutter Replacement Blades</b>		
For 4VLX4	1½ in x 4 in	36G238
For 4VLX5	1 in x 3 in	36G239



**Extractor Tool Kit Set C**  
**6FLH7**

Tip	Includes	Item No.
<b>Packing Extractor Set A</b>		
Corkscrew	(2) 4VLV4, (2) 4VLV5, (1) 4VLW5, (1) 4VLW6, (1) 4VLW2, (1) 4VLW3, (1) 4VLW4, (1) Wrench, (1) Toolbox	4VLX2
<b>Packing Extractor Set B</b>		
Corkscrew and Woodscrew	(2) 4VLV4, (2) 4VLV5, (2) 4VLV6, (1) 4VLW5, (1) 4VLW6, (1) 4VLW7, (1) 4VLW8, (1) 4VLW9, (1) 4VLX1, (1) 4VLW2, (1) 4VLW3, (1) 4VLW4, Wrench, Toolbox	4VLX3
<b>Tool Kit Set C</b>		
—	(2) 10 in Stiff Extractors, (2) 11 in Flexible Extractors With Tips, (2) 14 in Stiff Extractors, (2) 14 1/2 in Flexible Extractors With Tips, (2) 6 in O-Ring Extractor, (2) 6 in Flexible Extractors With Tips, (5) 1 1/2 in Cork Screw Tips, (5) 2 1/2 in Cork Screw Tips, 1 1/2 in Wood Screw Tip, 10 in Pick 1/8 in And Up, 10 in Pick 3/16 in And Up, 10 in Pick 1/4 in And Up, 2 in Wood Screw Tip, 2 1/2 in Wood Screw Tip, 5 in Packing Knife With Leather Sheath, B1 Brush, B2 Brush, LG1 Lantern Ring Extractor, LG2 Lantern Ring Extractor, Plastic Tool Box, Wrench	6FLH7



## Packing Seals

- Standard industry seal 981
- Pkg. of 6

Self-adjusting, shaft-mounted axial lip seals are designed to deflect dust, dirt, mud, and water away from shafts and prevent lubricant loss. Flexible, hinged lip needs no special machining to fit tightly to shaft. Seals automatically vent excess grease during regreasing.

Resilient nitrile rubber (NBR) material stretches over shaft obstructions for easy installation; its natural tension holds the seal in place while the shaft turns.

Shaft Size (in.)	Seal Bore (in.)	Seal Thickness	Item No.
1/4 in	3/64 in	0.19 in	12N746
3/8 in	5/64 in	0.25 in	12N747
1/2 in	1 in	0.25 in	12N748
5/8 in	1 1/64 in	0.375 in	12N749
3/4 in	1 23/64 in	0.375 in	12N750
1 in	1 39/64 in	0.375 in	12N751
1 1/4 in	1 59/64 in	0.375 in	12N752
1 1/2 in	2 7/64 in	0.375 in	12N753
1 3/4 in	2 23/64 in	0.375 in	12N754
2 in	2 39/64 in	0.375 in	12N755
2 1/4 in	2 59/64 in	0.375 in	12N756
2 1/2 in	3 7/64 in	0.5 in	12N757
2 3/4 in	3 23/64 in	0.5 in	12N758
3 in	3 39/64 in	0.5 in	12N759
3 1/4 in	3 59/64 in	0.5 in	12N760
3 1/2 in	4 7/64 in	0.5 in	12N761
4 in	4 39/64 in	0.5 in	12N762

