



Types: 620, 700, 714, 730,  
742, 743, 810/810B



# Packings

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## DEPAC Packings

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#### Tradition and innovation

Packings have been known and used in their basic forms since the beginnings of the Industrial Age and the development of the steam engine. Soft material was stuffed into a box – the stuffing box – in order to achieve a sealing effect. The material was since known as stuffing box packing. Much has changed of course since those days, but packings are still in use today. In dynamic sealing applications packings have largely been replaced by mechanical seals because they work more economically and free of leakage. But in stationary sealing applications packings are still state of the art.

#### Quality cuts costs

Packings need to be retightened and replaced and therefore cause operating costs. The aim must be to eliminate or at least reduce these overheads. This can only be achieved with packings of the best quality. The possibly higher costs of a quality product stand in no relation to the low costs of 5 or 6 installed packing rings. Therefore, only packings of the best possible quality should be selected or specified.

Quality depends on four factors: basic material, lubricant, braiding and strength.

It pays to draw comparisons.

#### Selection and use

The operating conditions for packings vary greatly. It is impossible therefore to declare a single packing type to be “the best” and make it your first choice. Together with your DEPAC consultant you should consider each of the previously mentioned quality factors in the light of the application, standardization possibilities and economy, draw comparisons and carry out analyses.

# Packings



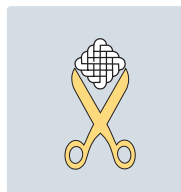
### Competitive prices

With decades of experience and steady product development DEPAC is able to supply its entire range of best quality packings at highly competitive prices. DEPAC packings represent outstanding value for money.



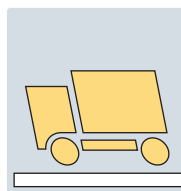
### Selection and use

The operating conditions for packings vary greatly. Together with your DEPAC consultant you should consider each of the previously mentioned quality factors. DEPAC has the products and the consultants. Use both to your long-term advantage.



### Taylor-made solutions

Our high-tech products only enhance our competitive position in the industry. Strict quality control procedures as well as our extensive product testing guarantee the highest performance standards of every DEPAC packing.



### Short delivery times

The sometimes substantial delivery times of many packing manufacturers increase warehouse capital for the customer. DEPAC however can guarantee supply of the most varied packing types within just a few days.

# Packings

### Ramie-PTFE Packing Type 620

This packing is made from the extremely strong and exceptionally long natural fibers of the Asian plant Ramie (*Boehmeria nivea*). The strong and firm fibers are lubricated with an unusually large quantity of PTFE to create a packing with very good sliding properties. Scoring of the shaft or sleeve is reduced to a minimum. This high-quality but economically priced packing can be used in virtually all applications, particularly as an alternative to asbestos products.

### Properties

Temperature: -30 °C to +140 °C  
 pH-Range: 5 – 11 pH  
 Pressure: 30 bar dyn. | 100 bar stat.  
 Velocity: 12 m/sec



Dimensions			Available from kg
mm	inch	m/kg	
4	5/32	42	1
5	3/16	27	1
6	1/4	19	1
8	5/16	10	1
10	3/8	6,7	1
12	1/2	4,6	1
14	9/16	3,4	1
16	5/8	2,6	1
18	11/16	2,1	1
19	3/4	1,9	1
20	13/16	1,7	1
25	1	1,1	1

Other dimensions on request

### Graphite Tape or Prepressed Rings Type 700

DEPAC offers this type made of 99.9 % pure graphite. The handy tape material can be used to produce any type of packing instantly on the spot. It is ideal for emergencies and also for users of small quantities who then do not need to stock a large variety of packings for different cross sections. In the same material DEPAC also offers prepressed rings which can be supplied closed or split in sizes specified by the customer.

### Properties

Temperature: -240 °C to +550 °C (+2500 °C Inert gas)  
 pH-Range: 0 – 14 pH  
 Pressure: 30 bar dyn. | 300 bar stat.  
 Velocity: 20 m/sec



Dimensions
10 mm x 0,38 mm x 10 m
15 mm x 0,38 mm x 10 m
20 mm x 0,38 mm x 15 m
25 mm x 0,38 mm x 15 m

Other dimensions on request



# Packings

## Valve Packing | static Type 714

This packing is made of pure PTFE silk yarns, additionally impregnated with a pure PTFE dispersion. Thanks to its high strength and resistance to chemicals and temperature, this packing is particularly ideal for valves, fittings and units running at low circumferential speeds. The basic constituents and firm braiding of this packing make it a reliable life-long solution in stationary applications.

### Properties

Temperature: -240 °C to +280 °C  
 pH-Range: 0 – 14 pH  
 Pressure: 25 bar dyn. | 260 bar stat.  
 Velocity: 12 m/sec  
 FDA-conform: Yes



mm	Dimensions		Available from kg
	inch	m/kg	
4	5/32	37	1
5	3/16	24	1
6	1/4	16	1
8	5/16	9,2	1
10	3/8	5,9	1
12	1/2	4,1	1
14	9/16	3,0	1
16	5/8	2,3	1
18	11/16	1,8	1
19	3/4	1,6	1
20	13/16	1,5	1
25	1	0,9	1

Other dimensions on request

## Multiservice Packing Type 720

This packing is a first-class alternative to asbestos packings. The fiber, which comprises high-quality aramid, is impregnated in addition with a break-in lubricant for maximum reduction of the effects of friction. This packing is particularly successful in applications with solid materials in the paper industry, steel mills, sewage works and the sugar industry. DEPA's special 4-plait, high-density diagonal braiding combines chemical resistance with high strength, thus guaranteeing optimum sealing with a minimum of contact pressure.

### Properties

Temperature: -100 °C to +280 °C  
 pH-Range: 1 – 13 pH  
 Pressure: 40 bar dyn. | 250 bar stat.  
 Velocity: 22 m/sec



mm	Dimensions		Available from kg
	inch	m/kg	
4	5/32	42	1
5	3/16	27	1
6	1/4	19	1
8	5/16	10	1
10	3/8	6,7	1
12	1/2	4,6	1
14	9/16	3,4	1
16	5/8	2,6	1
18	11/16	2,1	1
19	3/4	1,9	1
20	13/16	1,7	1
25	1	1,1	1

Other dimensions on request

## Combination Packing Type 723

This type comprises aramid fibers in combination with special Graphite-PTFE fibers. It is a less costly alternative for replacing asbestos packings and takes preference wherever strength and lubricity are required in addition to chemical resistance.

### Properties

Temperature: -100 °C to +280 °C  
 pH-Range: 2 – 13 pH  
 Pressure: 35 bar dyn. | 250 bar stat.  
 Velocity: 22 m/sec



mm	Dimensions		Available from kg
	inch	m/kg	
4	5/32	42	1
5	3/16	27	1
6	1/4	19	1
8	5/16	10	1
10	3/8	6,7	1
12	1/2	4,6	1
14	9/16	3,4	1
16	5/8	2,6	1
18	11/16	2,1	1
19	3/4	1,9	1
20	13/16	1,7	1
25	1	1,1	1

Other dimensions on request

## Aramid-PTFE Packing Type 724

This packing is a further development of type 720, which is made of extremely long aramid fibers and impregnated with a large amount of PTFE suspension. This excellent lubricant is worked into the packing from the inside during the braiding operation and then applied from the outside as a break-in lubricant. The result is an outstanding but attractively priced packing which offers an alternative not only to asbestos products but also to non-lubricated aramid packings.

### Properties

Temperature: -100 °C to +280 °C  
 pH-Range: 1 – 13 pH  
 Pressure: 20 bar dyn. | 180 bar stat.  
 Velocity: 25 m/sec



mm	Dimensions		Available from kg
	inch	m/kg	
4	5/32	45	1
5	3/16	29	1
6	1/4	20	1
8	5/16	11	1
10	3/8	7,1	1
12	1/2	5,0	1
14	9/16	3,6	1
16	5/8	2,8	1
18	11/16	2,2	1
19	3/4	2,0	1
20	13/16	1,8	1
25	1	1,1	1

Other dimensions on request

# Packings

## Graphite-PTFE Packing Type 730

This packing is made of pure graphite-PTFE yarn, which has enjoyed world-wide success. The combination of very good sliding properties, chemical resistance, strength and DEPAC's 4-plait braiding results in low levels of abrasion on pump sleeves and the packing itself in nearly all sectors of industry.

### Properties

Temperature: -200 °C to +280 °C  
 pH-Range: 0 – 14 pH  
 Pressure: 38 bar dyn. | 200 bar stat.  
 Velocity: 28 m/sec



Dimensions			Available from kg
mm	inch	m/kg	
4	5/32	39	1
5	3/16	25	1
6	1/4	17	1
8	5/16	9,8	1
10	3/8	6,3	1
12	1/2	4,3	1
14	9/16	3,2	1
16	5/8	2,4	1
18	11/16	1,9	1
19	3/4	1,7	1
20	13/16	1,6	1
25	1	1,0	1

Other dimensions on request

## Universal High-Temperature Packing | dynamic Type 742

Type 742 is made of expanded pure graphite. A special manufacturing process produces a packing which is fully resistant to chemicals and can be used over the complete pH range (exceptions: oleum, fuming nitric acid). Resistance to an extremely wide temperature range from -200 °C to +500 °C (+1000 °C inert gas, +650 °C steam) and pressures of up to 200 bar contributes to the packing's great reliability.

### Properties

Temperature: -200 °C to +500 °C  
 pH-Range: 0 – 14 pH  
 Pressure: 30 bar dyn. | 200 bar stat.  
 Velocity: 12 m/sec



Dimensions			Unit	
mm	inch	m/kg	kg	
4	5/32	46	1	
5	3/16	30	1	
6	1/4	21	1	
			2	
8	5/16	12	1	
			2	
10	3/8	7,4	1	
			2	
12	1/2	5,1	1	
			2	
			4	
14	9/16	3,8	2	
			4	
16	5/8	2,9	4	
18	11/16	2,3	4	
19	3/4	2,1	4	
20	13/16	1,9	4	
25	1	1,2	4	

Other dimensions on request

## Universal Hochtemperaturpackung | statisch Type 743

Particularly in power station applications with valves and fittings subject to high temperatures and high pressures it is vital to use a packing with an optimum combination of strength, temperature resistance and lubricity. The answer is DEPAC's specially developed style 743 packing. Resistance to an extremely wide temperature range from -250 °C to +650 °C (+1000 °C inert gas) and pressures of up to 250 bar contributes to the packing's great reliability.

### Properties

Temperature: -250 °C to +650 °C  
 pH-Range: 0 – 14 pH  
 Pressure: 250 bar stat.  
 Velocity: 0 m/sec



Dimensions			Unit	
mm	inch	m/kg	kg	
4	5/32	46	1	
5	3/16	30	1	
6	1/4	21	1	
			2	
8	5/16	12	1	
			2	
10	3/8	7,4	1	
			2	
12	1/2	5,1	1	
			2	
			4	
14	9/16	3,8	2	
			4	
16	5/8	2,9	4	
18	11/16	2,3	4	
19	3/4	2,1	4	
20	13/16	1,9	4	
25	1	1,2	4	

Other dimensions on request

## PTFE Flange and Cover Gasket Material Type 810 | 810B

This is a universal PTFE gasket material with a self-adhesive surface which minimizes the work required to produce and install gaskets. Thanks to its chemical resistance over the entire pH range from 0 to 14 and its high resistance to pressure and temperature, this special gasket material from DEPAC can be used throughout industry and the shipbuilding sector for all gasketing jobs, including as a replacement for asbestos gaskets.

### Properties

Temperature: -280 °C to +260 °C  
 pH-Range: 0 – 14 pH  
 Pressure: 200 bar stat.  
 FDA-conform: Type 810 -Yes | Type 810B - No



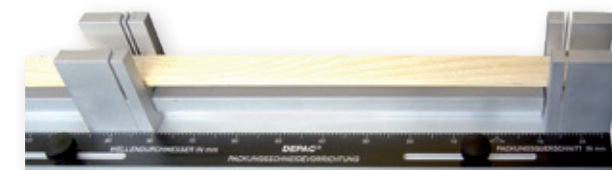
Type 810	Type 810B
Dimensions mm	Dimensions mm
3 mm x 1,5 mm x 25 m	3 mm x 1,5 mm x 40 m
5 mm x 2 mm x 25 m	5 mm x 2 mm x 25 m
7 mm x 2,5 mm x 25 m	7 mm x 2,5 mm x 15 m
---	9,5 mm x 4,5 mm x 15 m
10 mm x 3 mm x 10 m	10 mm x 3 mm x 5 m
12 mm x 4 mm x 10 m	12 mm x 4 mm x 5 m
14 mm x 5 mm x 10 m	14 mm x 5 mm x 5 m
17 mm x 6 mm x 8 m	17 mm x 6 mm x 5 m
20 mm x 7 mm x 5 m	20 mm x 7 mm x 5 m
25 mm x 5 mm x 5 m	25 mm x 8 mm x 5 m



## Packing tools

### Packing Cutter

Cutting packings to size for various shaft or sleeve diameters and for various packing thicknesses has always been a laborious chore and liable to create a lot of waste. DEPAC developed this cutting tool to be both handy and efficient at producing optimum results. Its sturdy metal design guarantees clean and uncomplicated handling.



### Packing Extractors

Old packings must be removed from the stuffing box. Unlike the many rigid tools available for this purpose, DEPAC offers a set of general-purpose packing extractors which are flexible and handy to use.

Available in three different sizes.

Size L, Size M, Size S



### Packing Knife

Every maintenance technician needs the right tools with the functionality to match the task in hand. Where packings are concerned he needs not only a good packing cutter but also a sharp knife.

DEPAC's packing knife is made of stainless steel and comes with one smooth and one serrated blade.

The knife is supplied complete with a leather sheath for safe handling.







Mechanical seals  
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