Kempenen the right choice!



Packings asbestos-free

Packings asbestos-free

		Type of Packin	g	Construction	also
100		RivaLon	K 36	Made of PTFE multifilament, with PTFE dispersion	K36S K39
		RivaNorm	K 75	Made of synthetic mineral fibre yarn impregnated intensively with PTFE dispersion	K75Ö
	es	RivaTherm	K 80	Die-formed ring made from flexible graphite	
	<u> </u>	RivaTherm	K 80 C	Die-formed ring made from flexible graphite with an U-shaped machined envelope of PTFE	
	Va	RivaTherm	K 80 S	Die-formed ring made from alternating circular foils of graphite and stainless steel foils	
		RivaTherm	K 95	Made of flexible graphite strips	
		RivaTherm	K 99	Made of flexible graphite strips, which are reinforced with high temperature resistant stainless steel with a small amount of lubricant	
の外の		RivaTherm	K 100	Made of flexible graphite strips, which are reinforced with high temperature resistant stainless steel without any lubricant	
		RivaLon	K 36	Made of PTFE multifilament, with PTFE dispersion	K36S K39
		RivaFlex	K 40	Made of PTFE yarn with incorporated graphite and silicon oil (100 % Gore GFO®)	K40E
	40	RamiVal	K 41	Made of ramie yarn with PTFE dispersion and an impregnation of silicon oil	K41P
	sdu	RivaMid	K 81	Made of aramid-filament (TWARON®) with PTFE dispersion and silicon oil impregnation	K81P
	un	RivaMid	K 83	Made of aramid-staple-fibre with PTFE dispersion and silicon oil impregnation	K83P
		RivaKomb	K 90	Made of PTFE with incorporated graphite, lubricant and Aramid-reinforced edges	K86 K89 K90E
55555		RivaBrid	K 91	Made of GFO®- and TWARON®-yarn in special braiding	K92 K93
		RivaTherm	K 95	Made of flexible graphite strips	
255254		RivaLon	K 36	Made of PTFE multifilament, with PTFE dispersion	K36S K39
	tic	RivaStat	K 68	Made of aluminium-borosilicate-fibre yarn	K68G K68C
2 333	Sta	RivaGlas	K 450G	Made of glass yarn with a special graphite impregnation	K550 K1000
		RivaNorm	K 75	Made of synthetic mineral fibre yarn impregnated intensively with PTFE dispersion	K75Ö

see

1	Mechanical maximum Pressure [bar]	Properties maxii Spe	mum ed	Tempe Stab	ility	ng water uff	Water, waste water boiler feed water	, air, nitrogen	acids, inorg. aline	g acids	alkaline	g alkaline ons	greases	transfer media	ıts	Organic media	Adhesive cement, bitumen	Media with abrasive particles	, lacquers	Standard Sizes in Millimetres 3				18 -	20 2 [.]	2 24 25		
,	[bai]	•	oscillating	from	to	Drinking v foodstuff	Water boiler	Gases,	Dilute org. sa	Strong	Dilute alka solutions	Strong alka solutions	Oils, g	Heat t	Solvents	Organ	Adhes	Media abrasi	Paints,	J -	, J, U			r mete		20,2	L L T L J	Remarks:
K 36	200	0,5	2	-200	+280	О	•	•	•	•	•	•	•	•	•	•	•	X	•	16 29	45 65	115 180 2	60 353	405 460	583	720 87	1	K 36S for oxygen. (Yarns are approved by BAM*) K 39 for pumps (with silicon oil impregnation)
K 75	200	8	6	-200	+260	X	•	•	•	X	•	×	•	•	•	•	•	X	•	22	33 49	86 135 1	95 265	304 346	438	540 65	3 775 844	K 75Ö for pumps (synthetic mineral fibre yarn with PTFE dispersion and lubricant)
K 80	300	5	2	-200	+550	•	•	•	•	О	•	•	•	•	•	•	0	О	•		ormed ring nless, cut	g once or twic	ce					With anti-extrusion rings K80S used up to 1500 bars.
K 80C	300	5	2	-200	+280	•	•	•	•	•	•	•	•	•	•	•	•	О	•	Seamless die-formed ring			For applications re TA-Luft or CAA. If graphite is allowed, anti-extrusion rings of K80S are recommended.					
K 80S	1500	0,2	2	-200	+550	•	•	•	0	О	О	0	•	•	•	•	•	•	•	Die-formed ring Seamless or cut twice					Steam up to 650 °C only used as anti-extrusion ring.			
K 95	300	30	10	-200	+450	•	•	•	•	0	•	•	•	•	•	•	0	О	•	16	25 36	64 100 1	44 196	225 256	324	400 48	4 576 625	For steam up to max. 650 °C, acc. to pressure load. The use of anti-extrusion rings K99/K100 is recommended.
K 99	500	5	2	-200	+450	•	•	•	O	О	•	0	•	•	•	•	•	О	•	19	30 43	77 120 1	73 235	270 307	389	480 58	690 750	Steam at max. 650 °C. Specially suitable as anti-extrusion ring.
K 100	500	5	2	-200	+550	•	•	•	0	О	•	0	•	•	•	•	•	О	•	19	30 43	77 120 1	73 235	270 307	389	480 58	0 690 750	Steam at max. 650 °C. Especially as anti-extrusion ring.
K 36	200	0,5	2	-200	+280	О	•	•	•	•	•	•	•	•	•	•	•	X	•	16 29	45 65	115 180 2	60 353	405 460	583	720 87	'1	K 36S for oxygen. (Yarns are approved by BAM*) K 39 for pumps (with silicon oil impregnation).
K 40	30	20	5	-100	+280	О	•	•	•	О	•	О	•	•	0	0	X	X	X	26	40 58	102 160 2	30 325	360 410	518	640 77	4 920 100	K40E PTFE-yarn with incorporated graphite, without lubricant, for valves (100 % Gore G 4®). As alternative K46 made of Lenzing yarn, alternatively with silicon free lubricant.
K 41	60	10	4	-20	+120	О	•	•	О	X	О	X	•	X	О	0	×	О	X	13 23	36 52	93 145 2	09 284	326 371	470	580 70	2 835 906	K 41 P with paraffin oil.
K 81	100	20	3	-100	+280	X	•	•	•	X	•	X	•	•	•	•	•	•	X	23	36 52	93 145 2	09 284	326 371	470 5	580 70	2 835 906	K81P Aramid-filament with PTFE and paraffin oil.
K 83	100	15	2	-100	+250	X	•	•	•	X	•	X	•	•	•	•	•	•	X	14 23	36 52	93 145 2	09 284	326 371	470	580 70	2 835 906	
K 90	200 oscillating	10	10	-200	+280	О	•	•	О	X	О	×	•	•	•	•	•	•	X	25	40 58	102 160 2	30 313	360 409	518	640 77	4 920 100	Preferable for plunger pumps. Other material combinations are available with edge reinforcement: K 86; K 89; K90E.
K 91	200	20	3	-200	+280	О	•	•	•	X	•	X	•	•	•	•	•	О	×	25	40 58	102 160 2	30 313	360 409	518	640 77	4 920 100	Other material combinations are available in special braiding: K 92; K 93
K 95	300	30	10	-200	+450	•	•	•	•	О	•	•	•	•	•	•	О	О	•	16	25 36	64 100 1	44 196	225 256	324	400 48	4 576 625	Especially proved for the use in boiler feed water centrifugal pumps
K 36	200	0,5	2	-200	+280	О	•	•	•	•	•	•	•	•		•	•	X	•	16 29	45 65	115 180 2	60 353	405 460	583	720 87	1	K 36S for oxygen. (Yarns are approved by BAM*) K 39 for pumps (with silicon oil impregnation)
K 68	2	-		-200	+650	X	×	0	X	×	×	X	О	0	0	0	0	О	0	18	29 41	74 115 1	66 225	259 295	373	460 55	7 662 719	K 68G aluminium-borosilicate impregnated with special graphite. K 68C aluminium-borosilicate with special CKP-impregnation.
K450G	20	-		-40	+450	X	О	0	0	×	О	X	•	О		•	0	О	×	22	33 49	86 135 1	95 265	305 346	438	540 65	3 775 844	K1000 Special glass yarn
K 75	200	8	6	-200	+260	X	•	•	•	X	•	X	•	•	•	•	•	X	•	22	33 49	86 135 1	95 265	305 346	438	540 65	775 844	K 75Ö for pumps (synthetic mineral fibre yarn with PTFE dispersion and lubricant)

● = resistant O = limited resistant X = not res

Braided Packings Rings

Compression moulded packing rings are the technically best solution. Furthermore, they are cost-favourable.

Each ring is precompressed acc. to operating conditions by our automatic presses.

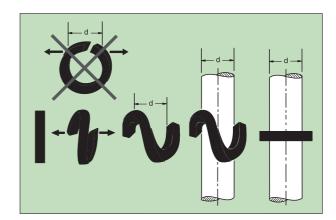
There are serveral thousand tools with graduations of a few tenths of a millimetre so that generally a suitable tool is available also for packing rings for re-machined spindles, rods, or shafts.

Advantages of compression moulded packing rings

- material saving; no cutting faults, no waste compared to piece goods
- low loaded gland results in low friction and a long lifetime
- quick mounting: therefore less mounting costs and shorter shutdowns
- maximum dimensional accuracy

Fitting precompressed rings please follow opposite sketch.





Tools

Packing Extractor

Flexible packing extractor to remove remainders of old packing out of the stuffing box area. It is designed with a hardened extracting drill at the end of a wire rope. The packing extractor is available in sets of three different lengths.

Packing Knife

The packing knife has two different blade sides, a smooth and a serrated one.

Packing Cutting device

The packing cutter device is used to cut piece goods without waste or cuttings. It is available for ring diameters up to 150 mm and a packing cross section up to 25 mm.



The specified packings are asbestos-free without exception.

The indicated application parameter of all specified packing types are approximate values which can mutually influence each other, if they occur at the same time. Therefore, the allowable maximum values decrease in certain circumstances.



Our special Service



- We have a developed, established and implemented quality assurance system according to DINEN ISO 9001. The well defined quality elements and actions are systematically audited and per-
- We hold among others, the following licences:
 - API-Std. 6 A for Ring-Joint-Gaskets, PSL 4
 - KTA 1401, QSP 4a and AVS D 100/50 from Siemens/KWU for nuclear plants.
 - QS-9000 for the automotive industry
 - RALGZ-719 for expansion joints
- All important materials used for kempchen products are quatity controlled and additionally tested in our chemical and physical laboratories.

All information and technical descriptions contained in this brochure correspond to our state of knowledge at the time of the printing. They are intended as information about our

Products and their various applications.

Therefore, we will only guarantee certain attributes described in the brochure or the suitability for actual intended purposes according to a written express warranty in the actual individual case. Any industrial proprietary rights must be observed. Orders will only be accepted and completed under our standard terms and conditions, which we will make

available on request.

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- We have the feed back of all actual problems of our customers are involved with through our sales representatives and experienced engineers of the technical advice and therefore we can recommend the latest development of gasketing.
- We calculate bolt loads and torques for difficult and complex flange connections at competetive rates
- Our extensive stock of standard and non standard products and sizes is at your disposal on call.
- Our storage of raw material is manifolded in sizes and grades to be able to deliver as quick as possible.



