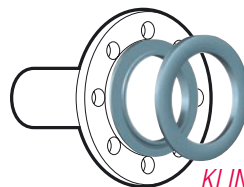


KLINGER® KGS/VD

The first infinitely adjustable seal

World Premiere



*The two-part adjustable seal,
registered for patent approval,
compensates for obliquely positioned flanges
up to approx. 8°.*

*Ideal for piping construction,
simple to install and economically priced.*

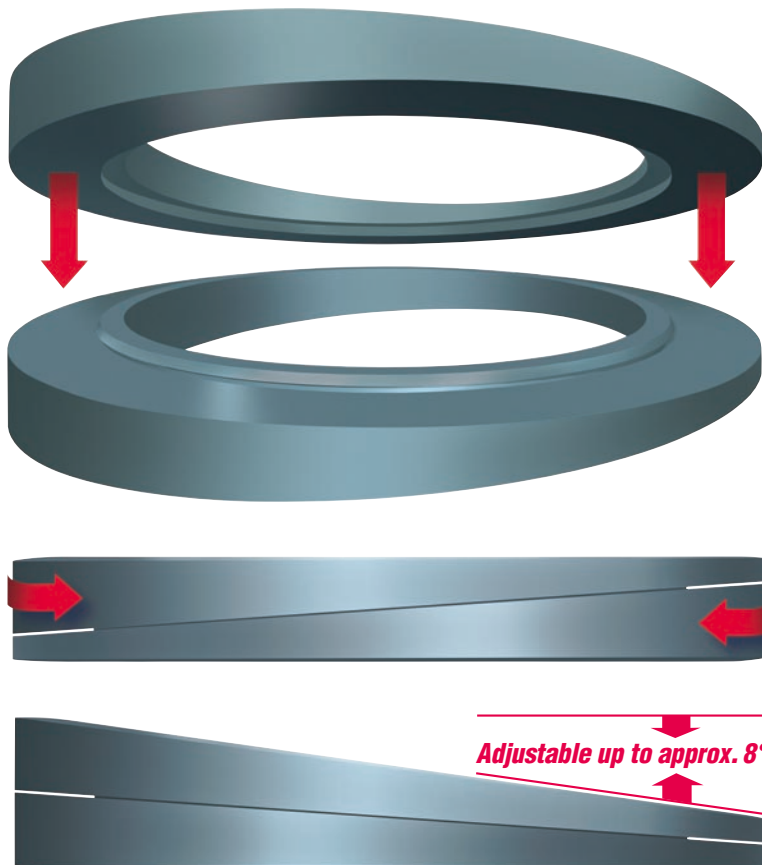
KLINGER – The worldwide leader in seal technology



KLINGER® KGS/VD

The first adjustable seal

The variable seal consists of two interlocking parts connected through a tongue and groove joint. This allows the two wedge-shaped parts to be turned against each other up to an angle of approx. 8°. After installation, these two parts form a "medium-tight" bond.



Registered for patent approval

This special design, registered for patent approval, allows the new seal to act as simple and economic sealing for obliquely positioned flanges. Elaborate and thus expensive structural measures can thereby be avoided.

Oblique positions can be infinitely aligned up to approx. 8°, vertically or horizontally.

Simple application for obliquely positioned flanges

Oblique positions occur with all flange connections. Especially underground pipes with regulating wedges and flanges, e.g. for hydrants and fittings, cannot always be routed in a straight line.

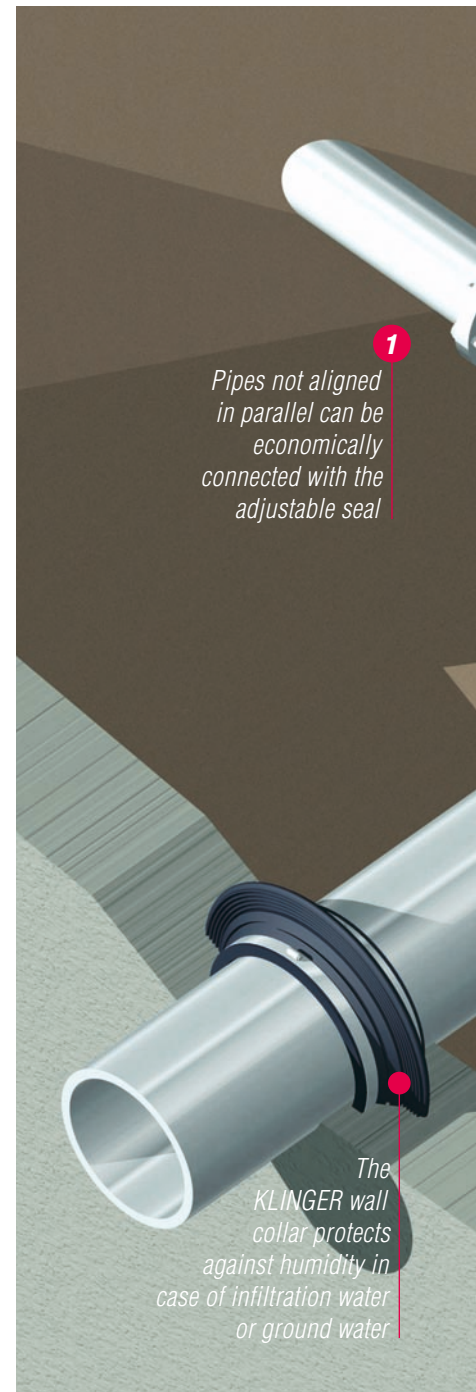
No wedge disks and additional seals

The new adjustable seal replaces, simply and very economically, the steel or cast iron wedge disks frequently used so far. These heavy wedge disks, elaborately installed, even require two additional seals.

The result:

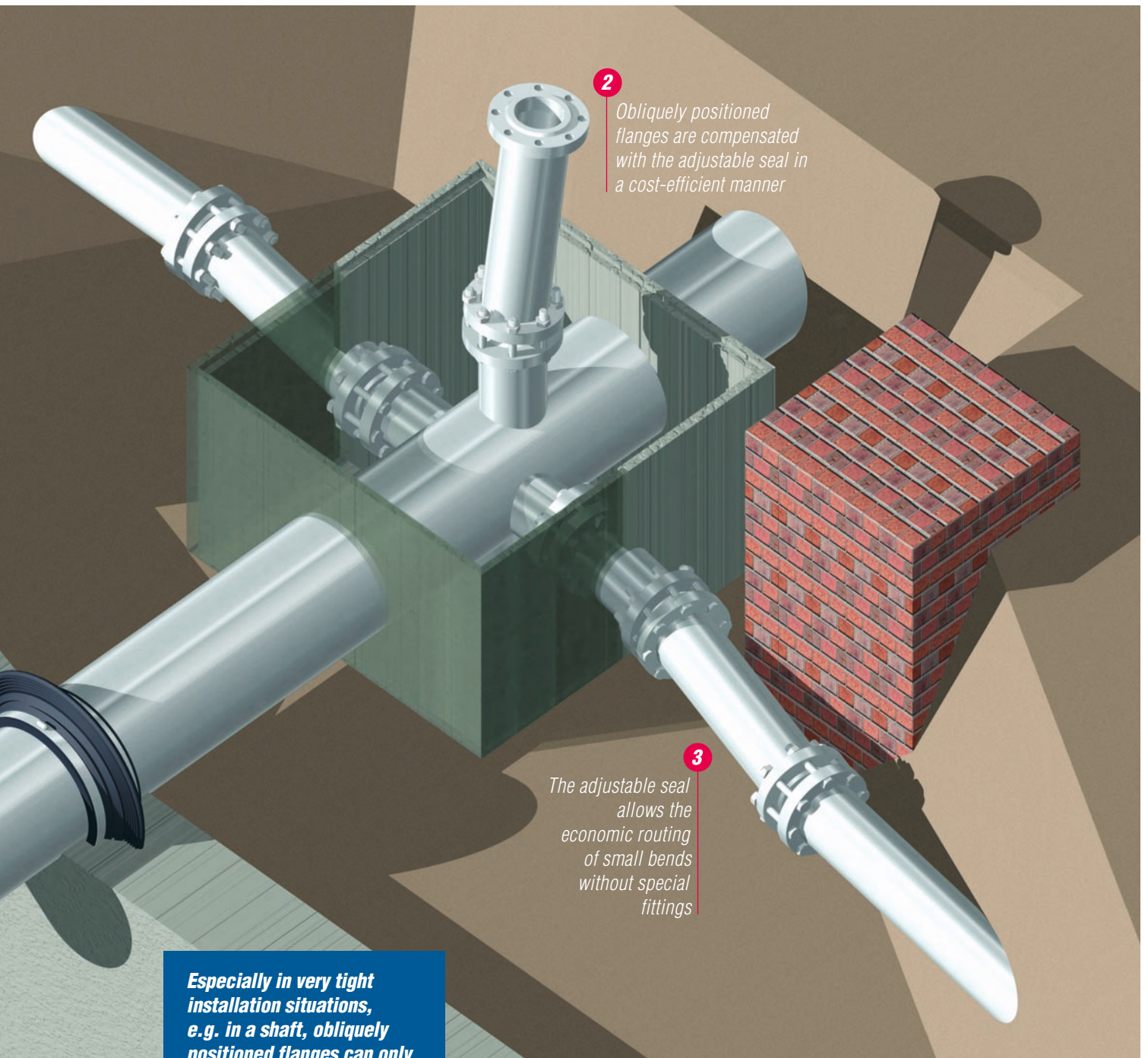
Inexact assembly and higher costs. Complicated handling of these metal elements in tight spaces produces uncertainty during the installation and increases the risk of leaks.

Simple but highly economic

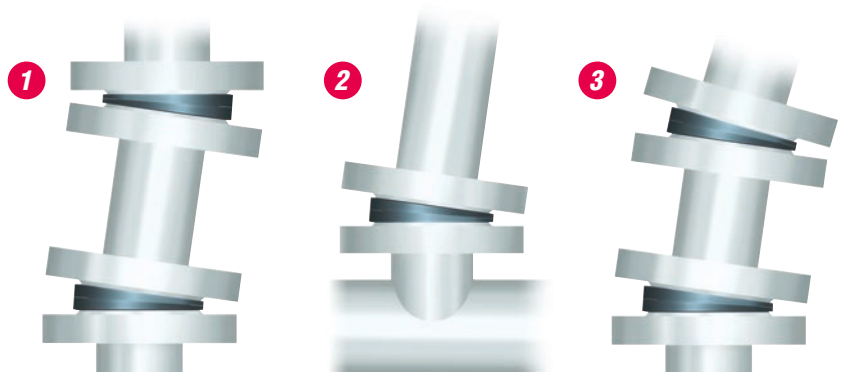


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The first adjustable seal



Especially in very tight installation situations, e.g. in a shaft, obliquely positioned flanges can only be corrected without elaborate wedge disks and additional sealing with the adjustable seal, and that in a cost-efficient manner.



Technical data

The standard material of the adjustable seal Type KGS/VD is EPDM. However, depending on the applications, it can also be produced of other elastomeres, such as FKM (Viton). The adjustable seal Type KGS/VD is currently available from DN 32 to DN 500.

Dimensions

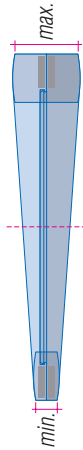
According to DIN EN 1514-1, additional dimensions available upon request.

Elastomer

EPDM

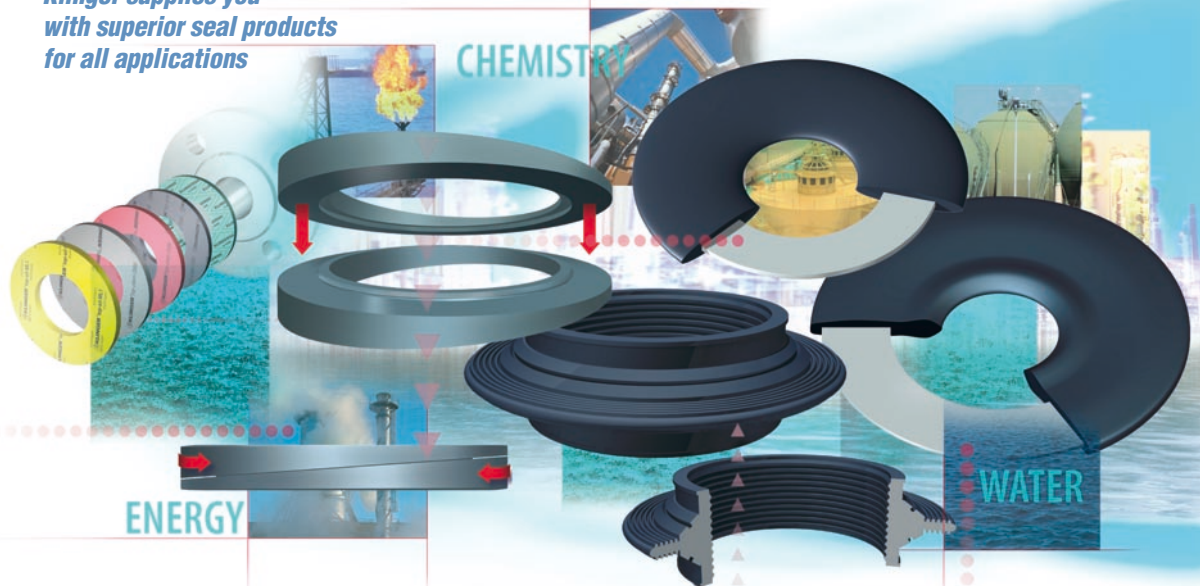
Other materials upon request.

Dimensions DN	PN	Thickness		Bolt lenght	Dimen- sions
		min.	max.		
32	10 - 40	9	20	90	M 14
40	10 - 40	9	22	90	M 14
50	10 - 40	9	24	100	M 14
65	10 - 40	9	26	100	M 14
80	10 - 40	14	30	100	M 14
100	10 - 16	14	33	100	M 14
100	25 - 40	14	33	110	M 18
150	10 - 16	14	39	110	M 18
150	25 - 40	14	39	130	M 22
200	10 - 16	15	50	120	M 18
200	40	15	50	160	M 24
250	10	16	59	140	M 18
250	40	16	59	170	M 27
300	10	22	68	150	M 18
350	10	22	68	150	M 18
400	10	22	74	160	M 22
500	10	23	79	180	M 22



Other dimensions upon request

Klinger supplies you with superior seal products for all applications



KLINGER Service for your safety: Application overviews, product documentations, tables for media resistance, safety service by fax, original test material and of course consulting on site and custom developments meeting your special requirements.

KLINGER KGS/VD

The seal registered for patent approval compensates oblique flange positions up to approx. 8°.

KLINGER Wall collars

The wall collar protects against humidity penetration in case of infiltration water or ground water.

KLINGER-KGS

The rubber-steel gaskets

Application areas are water, waste water, gas, air, acids, caustic solutions and hydrocarbons with low forces and relatively low temperatures.