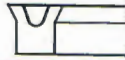
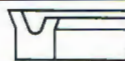
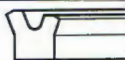
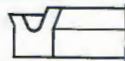
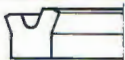
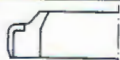
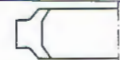




Designations

Our seals of ACLATHAN® are sold under the following designations:

		Type	Profile	Page
U-Ring Seals as Rod Seals:				
	with normal sealing lip inside + outside	U		7 – 35
	with negative sealing lip inside + outside	UN		7 – 35
	with normal sealing lip inside – extension lip outside	UI		7 – 35
	with negative sealing lip inside – extension lip outside	UNI		7 – 35
	with negative short sealing lip inside – small profile	UNK		7 – 35
	with negative sealing lip and backring – over the whole profile width	UB		7, 8, 9
	with negative sealing lip and backring – inside	UBI		7, 8, 9
U-Ring Seals as Piston Seals:				
	with normal sealing lip outside + inside	U		37 – 62
	with negative sealing lip outside + inside	UN		37 – 62
	with normal sealing lip outside – extension lip inside	UA		37 – 62
	with negative sealing lip outside – extension lip inside	UNA		37 – 62
	with negative sealing lip and backring – over the whole profile width	UB		37, 38, 39
	with negative sealing lip and backring – outside	UBA		37, 38, 39
Special Seals:				
Vee Rings as Rod Seals with lip angles of 60° or 90°		D		63 – 68
Hat Packings as Rod Seals		H		63 – 65, 69 – 70
Cup Packings as Piston Seals		NA		63 – 65, 71 – 75
Rod Wipers	normal type	A		77 – 81
	with double step	AA		77 – 81
	with metal ring	AM		77 – 81
	double acting type	AD		77 – 81
	sealing lip set back – with metal ring	AZM		77 – 81
Shaft Seals	sealing lip inside – special type	AW		82
Radial Seals	with 2 sealing lips – radial effect at o.d.	V		83 – 85
	with 1 sealing lip – radial effect at o.d.	VZ		83 – 84

Material

ACLATHAN® is a polyurethane elastomer offering the characteristic properties of natural or synthetic rubber. This material produced by us is based on our experience of more than 30 years in formulation and processing. ACLATHAN® is superior to the traditional rubber elastomers concerning the properties which are important for seals. The elasticity of this material can be determined by different formulations.

ACLATHAN® is resistant to hydrolysis. This has a good influence on its durability and ageing resistance.

On account of the excellent physical and chemical properties the hydrolysis-protected ACLATHAN® material is especially suitable for seals.

ACLATHAN® seals are efficient and reliable sealing elements which are distinguished by the following advantages:

- high resistance to wear and abrasion
- good oil, petrol and ozone stability
- high structural strength, no brittleness down to -58° C.

ACLATHAN® seals are supplied in the hardness range of 90 to 96 Shore A as standard.

ACLATHAN® KH is especially suitable for low temperatures and highly hydrolytic fluids.

ACLATHAN® PF is distinguished by an improved sliding ability. This quality should be used to avoid stick-slip and for pneumatic applications.

Mechanical and thermal properties of ACLATHAN® ¹⁾ tested at ambient temperature and normal relative humidity

density	DIN 53550	1,26	g/cm ³
tensile strength	DIN 53504	30	N/mm ²
elongation at break	DIN 53504	550	%
modulus			
at 20 % elongation	DIN 53504	5	N/mm ²
at 300 % elongation	page 2	15	N/mm ²
permanent elongation	DIN 53504	30	%
impact resilience	DIN 53512	50	%
Young's modulus		90	N/mm ²
hardness Shore A	DIN 53505	92	
tear strength (Graves)	DIN 53515	700	N/cm
needle tear strength	DIN 53506	1050	N/cm
abrasion loss ²⁾	DIN 53516	60	mm ³
thermal conductivity		0,21	W/Km
coefficient of linear thermal expansion			
20 – 50° C	VDE 0304	210	10 ⁻⁶ /° C
20 – 100° C	part 1	190	10 ⁻⁶ /° C
specific heat		0,11	kJ/kg K

This table shows a comparison of physical properties between the various sealing materials ¹⁾

material		physical properties						
symbol		trade mark for example	hardness Shore A as per DIN 53505	tensile strength as per DIN 53505 N/mm ²	elongation at break as per DIN 53504 %	abrasion as per DIN 53516 mm ³	temperature resistance °C	oil and petrol resistance
PUR	polyurethane	Aclathan®	65 – 98	30,0 – 38,0	300 – 650	20 – 60	- 40 + 130	very good
NR	synthetic rubber		50 – 85	8,5 – 24,0	115 – 750	140 – 220	- 60 + 90	bad
VSI	silicone rubber	Silopren® Silastic®	45 – 80	3,5 – 7,0	100 – 475	80 – 500	- 100 + 230	not so good
IIR	butyl rubber		40 – 80	4,0 – 16,5	250 – 870	160 – 500	- 40 + 100	bad
SBR	styrene-butadiene copolymer	Buna S®	40 – 80	4,5 – 20,0	85 – 850	100 – 350	- 50 + 100	bad
NBR	acrylonitrile-butadiene copolymer	Perbunan N®	30 – 90	6,0 – 22,5	125 – 950	75 – 350	- 30 + 100	good
CR	chloroprene polymers	Baypren® Neoprene®	30 – 90	4,5 – 16,5	100 – 900	120 – 500	- 50 + 120	not so good
CSM	Chlorosulphonated polyethylene	Hypalon®	50 – 80	14,5 – 17,5	150 – 600	125 – 250	- 62 + 175	not so good
FPM	fluoroelastomers	Viton®	70 – 90	10,0 – 15,0	180 – 215	140 – 165	- 40 + 315	excellent
PTFE	polytetrafluorethylene	Hostaflon®	96 – 99	20,0 – 35,0	300 – 500	470	- 200 + 260	excellent

¹⁾ The figures indicated represent standard values only

²⁾ In comparison with abrasion resistant natural rubber quality = 100

Fits and machine parts

The play between piston and cylinder or rod and bore is very important for the functioning of the seal. ACLATHAN® seals are designed to be fitted at the sealing point with a tolerance of H 11 or h 11. If the play between the metallic construction parts is too large the seal will be pressed into the gap by working pressure and prematurely destroyed (gap extrusion). For moderate working pressures we recommend a tolerance of H 8 / e 9. Closer tolerances are preferable, but they must comply with the proper functioning of the machine parts.

Centricity

All functional parts which get in contact with the seal should have no center offset. Deviations within the tolerances will be taken up by the sealing lip and the elasticity of the material. Seals type U can be mounted with a securing ring which is adapted to the seal groove.
U-Ring Seals are commonly used for the axial sealing of reciprocating machine parts, mainly as rod seals.

Seal Tolerances

ACLATHAN® is an elastic material. The usual tolerance for elastic moulded parts as per DIN 7715 can be limited according to the values indicated in the table shown hereunder on account of our advanced manufacturing technique. ACLATHAN® seals offer optimum sealing properties with simple design as well as shape and elasticity of material.

Size range	Tolerance
up to 25 mm	± 0,2 mm
more than 25 up to 50 mm	± 0,3 mm
more than 50 up to 100 mm	± 0,4 mm
more than 100 up to 200 mm	± 0,6 mm
more than 200 up to 300 mm	± 0,8 mm
more than 300 up to 400 mm	± 1,0 mm
more than 400 up to 500 mm	± 1,2 mm
more than 500 up to 700 mm	± 1,5 mm

Surface quality of the sliding surfaces

Seals used for reciprocating machine parts require sliding surfaces of exceptional smoothness. Peak to valley roughness height must not exceed 2µm at the moving sealing points and 20 µm on the static contact surfaces. The surface condition determines sealing efficiency and service life of the seal.

Friction

Every seal causes friction losses. Static friction and sliding friction losses are very low with U-Ring Seals of ACLATHAN®. Seals of ACLATHAN® PF have got a coefficient of friction which is 50 % below the value of our standard seals. Dynamic seals require an adequate lubricating film on the sliding surfaces. The quality of the lubricating film determines the friction loss and the quantity of leakage. An exact assessment of the friction loss is only possible if all factors and conditions are taken into consideration.

Temperature range

ACLATHAN® seals can be used within a continuous temperature range of -40° C up to +80° C, and up to +130° C for short intervals depending on the fluid. The brittleness point is reached at -60° C. A stiffening of the material is encountered in the low temperature range under 0° C. This phenomenon is reversible. A contact with hot water and emulsions exceeding +50° C should be avoided.

Thermal expansion

Elastomeric materials have a relatively high coefficient of thermal expansion. ACLATHAN® 190 x 10⁻⁶/°C, natural rubber 180 x 10⁻⁶/°C, steel 12 x 10⁻⁶/°C. This fact has to be taken into consideration for large and heavy-walled seals as well as with higher temperatures. A faulty assembly means increased friction and leakage.

Resistance

ACLATHAN® is resistant to:	oxygen ozone oil petrol
conditionally resistant to:	hot water saturated steam alkali, amine acids

Sealing lip, sealing edge and prestressing

The sealing efficiency of the U-Ring Seals is achieved by precision sealing lips and the elasticity of ACLATHAN®. The largest and smallest diameter of the seal form the sealing edge deviating from the nominal diameter by the prestressing.

The seal profile is determined by the application. The cylindrical back has got a play in pressureless condition against the moving machine parts. Thus a low friction and a good lubricating film are achieved. The sealing edge has to be protected against damage. Depending on the type of profile it is acute- or obtuse angled. The assembly must be carried out carefully, and sharp edges within the moving part area are to be avoided.

U-Ring Seals of ACLATHAN® are designed for the usual pressure range used in the hydraulic and pneumatic field. Standard seals are mainly used between 10 and 400 bar. They can withstand up to 600 bar with appropriate design of the metal parts and profile. For the pneumatic field special material types and executions can be manufactured. The single part and compact execution facilitates assembly and storage.

The different styles of modern U-Ring Seals are the result of experience of more than 30 years in the manufacture of polyurethane seals. With appropriate assembly an efficient sealing is assured.

Field of application for ACLATHAN® U-Ring Seals

Housing tolerances: for rod seals $\varnothing D = H11 - \varnothing d = e9$
for piston seals $\varnothing d = h11 - \varnothing D = H8$

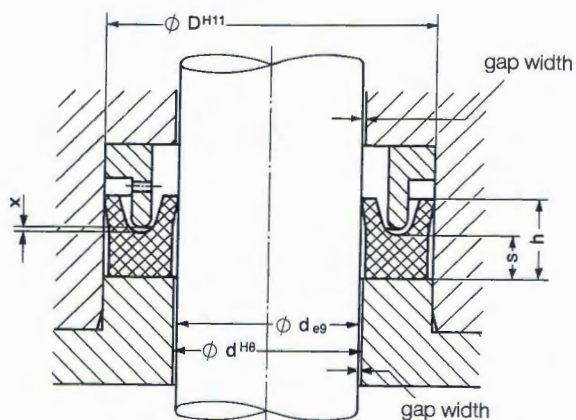
Type	about Shore A	max. pressure bar*)	max. V m/s	max. gap width mm
U	92	0-150-(200)	0,4	0,3
UI	92	0-150-(200)	0,4	0,4
UA	92	0-150-(200)	0,4	0,4
UN	92	0-400-(600)	0,4	0,4
UNI	92	**0-250	0,4	0,3
UNA	92	**0-250	0,4	0,3
UNI	94	** (25)-0-400-(600)	0,3	0,4
UNA	94	** (25)-0-400-(600)	0,3	0,4
UBI	92	*0-400	0,3	0,6
UBA	92	0-400	0,3	0,6
UB	92	0-400	0,3	0,6
UNK	94	0-400	0,3	0,4

* 1 bar $\approx$ 0,1 MPa or 0,1 N/mm² or 1,02 kp/cm²

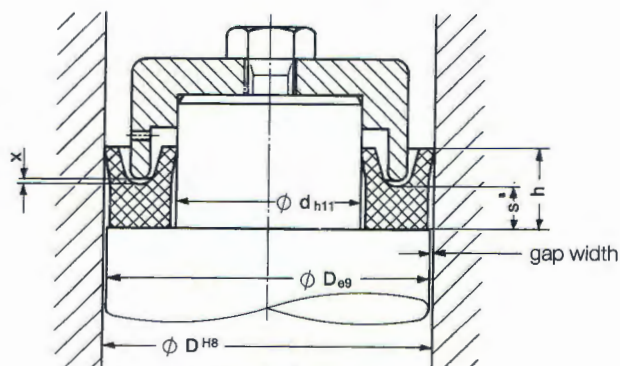
** Stick slip will take place in the lower pressure range. The higher prestressing requires a higher breakaway force.

() Maximum values can be achieved under especially favourable conditions.

For example: narrow gap width, low peak to valley roughness height, good lubricating film, normal temperature.



U-Ring Seals type U
as rod seal
(dimension for securing ring on request)

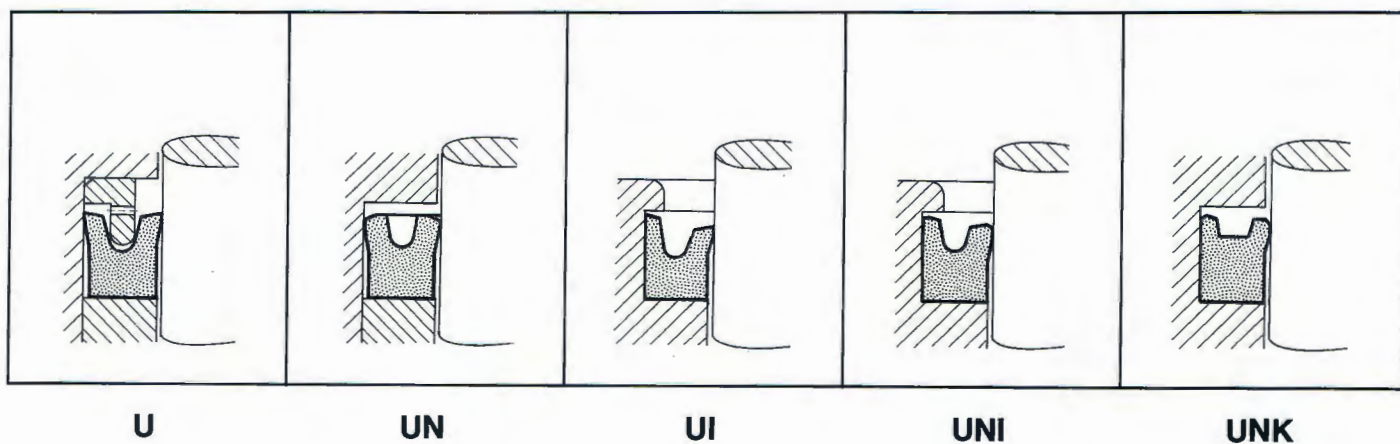


U-Ring Seal type U
as piston seal
(dimension for securing ring on request)

Rod Seals

U-Ring Seals

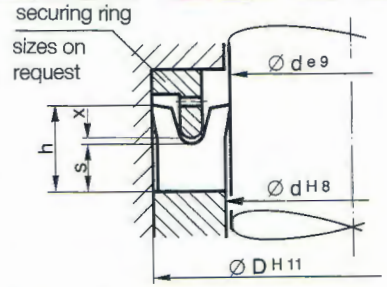
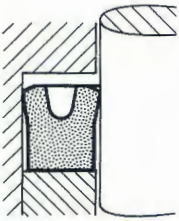
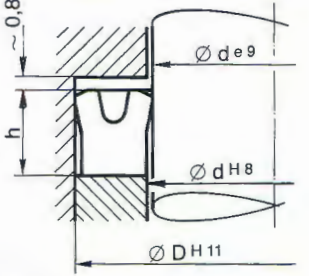
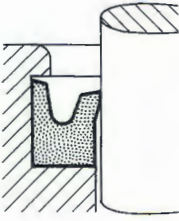
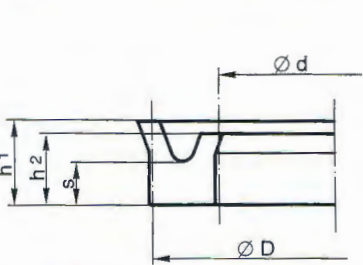
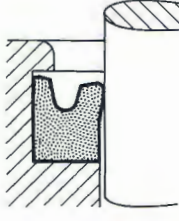
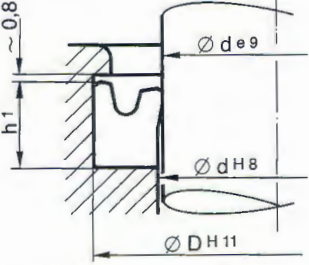
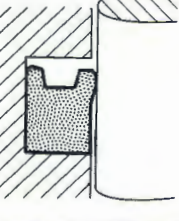
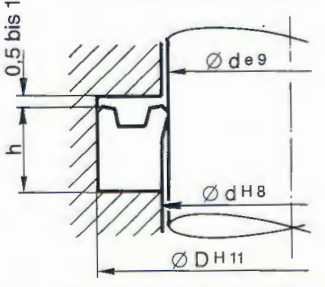
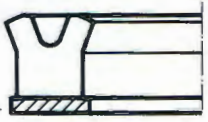
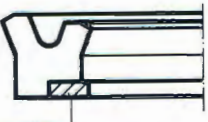
– sealing the inside diameter –



For special applications U-Ring Seals can be equipped with a backring. On account of this additional plastic ring gap widths up to 0,6 mm are

permissible. The sizes of the backring are adapted to the housing and the seal profile. The designation changes

from **UN** in **UB**
UNI in **UBI**

Type	Nominal Sizes	Housing
U		
UN		
UI		
UNI		
UNK		
UB		
UBI		

Further sizes and special executions
as per drawing or sample on request.

Tolerances as per DIN 7715 M 3

Remarks

Mounting Instructions

U-Ring Seals type U can be universally used. Their section is symmetrical. The sealing edge is acute-angled. A securing ring prevents gap extrusion of the lip. It has to be adapted to the seal groove and mounted with axial play as per table.	Play x between securing ring and seal <table border="1"> <thead> <tr> <th>Seal height</th><th>x</th></tr> </thead> <tbody> <tr> <td>up to 6 mm</td><td>0,3 mm</td></tr> <tr> <td>more than 6 mm up to 12 mm</td><td>0,5 mm</td></tr> <tr> <td>more than 12 mm</td><td>0,8 mm</td></tr> </tbody> </table>	Seal height	x	up to 6 mm	0,3 mm	more than 6 mm up to 12 mm	0,5 mm	more than 12 mm	0,8 mm
Seal height	x								
up to 6 mm	0,3 mm								
more than 6 mm up to 12 mm	0,5 mm								
more than 12 mm	0,8 mm								
U-Ring Seals type UN can be universally used and have got an obtuse-angled sealing edge which is set back against the length of the lip. The symmetrical reinforced profile is especially suitable for high pressures up to 400 bar. A securing ring is not required, and depending on a certain ratio of diameter and profile width the snap-fit method is possible.									
U-Ring Seals type UI with sealing lip fitting small diameter are rod seals only and mounted like type UN. The extension lip ensures a firm and tight fit in the housing. The very small profile width makes it possible to use these seals for telescopic cylinders and easy snap-fit method. Application up to 150 bar.									
U-Ring Seals type UNI have got reinforced sealing lips contrary to type UI and a sealing edge which is set back like type UN. Application like type UI, however up to 250 bar.									
U-Ring Seals type UNK are compact rod seals with symmetrical profile section. Sealing efficiency is ensured by the elasticity of the sealing lip which is extremely short and stable. This seal type allows a space and material-saving construction and application up to 400 bar on account of the small profile width. Also in case of vibrations or pulsations a maximum of sealing efficiency is ensured.									
U-Ring Seals type UB are rod seals with backring over the whole profile width. The housing has to be enlarged according to the thickness of the backring. U-Ring Seals type UBI have got an integrated backring at the inside diameter of the seal back.									

ACLATHAN®-Nutringdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige

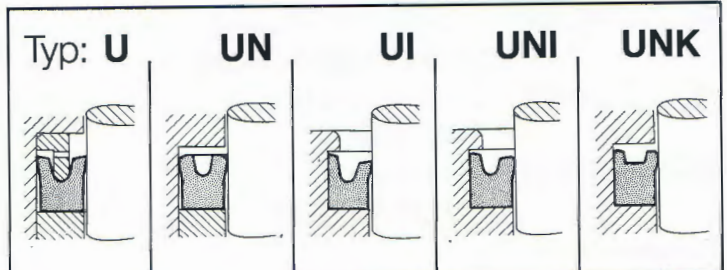
Dimension [mm]:

						Typ: U	UN	UI	UNI	UNK
Ø d	Ø D	h	h ₁	h ₂	s		Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
2	13	5			2,5		22 01 01			
3	10	6			3,5			1 01 19		
3,2	30	10			5		22 01 02			
4	10	4			2		1 01 44			
4	10	4			2			1 01 06		
4	12		5	4,5	2,5				22 01 83	
4	12		5	4,5	2					1 03 38
4	12		6	5,5	3					1 01 70
4	12	8			4		22 01 04			
4	14	4,5			3		22 01 05			
4,5	10		7	5	3,5				22 01 84	
4,5	15,1	5			2,5		22 01 06			
4,7	12,3	3,9			2			1 01 49		
5	10		7	5	3,5				22 01 85	
5	11	5			2,8		22 01 07			
5	11	7			5		1 03 46			
5	12	4			2		22 01 09			
5	12	5			2			22 01 65		
5	12	5			3			1 01 41		
5	12	6			3			1 00 46		
5	13	6			3			22 01 67		
5	14	4,5			3			22 01 68		
5	14	5			2,5		22 01 10			
5	14	6			4			22 01 69		
5	15	6			3		22 01 11			
5,5	11	7			4		22 01 12			
5,5	14		8,5	6,5	4,5				22 01 86	
6	11		7	5	3,5				22 01 87	
6	12	4			2		1 01 28			
6	12	6			3,5		1 03 40			
6	12	8			5,5		1 01 74			
6	14	4			2		22 01 15			
6	14		9	7	4				22 01 88	
6	15	5			2,5		22 01 16			
6	15	6			3		22 01 17			
6	15	8			4		1 02 67			
6	15		8	7	5					1 01 75
6	15		8	7,5	5					1 01 71
6	15	8			5,5			22 01 70		
6	16	5			2,5		22 01 19			
6	16	6			3		22 01 20			
6	18	6			3		22 01 21			
6	18	9			6		22 01 22			
6	18	11			7		22 01 23			
6	20	7			3,5		22 01 24			
6	20	8			5		22 01 25			
6	22	6			3		22 01 26			
6	22	8			4		1 02 68			
6	28	11,5			6		22 01 28			
6,4	14		9	7	4				22 01 89	
6,5	12,7	7			5		1 01 61			
6,5	12,7	7			5		1 03 47			
7	12	4			2		22 01 61			
7	14	3,5			1,8		22 01 29			
7	14	4			2		22 01 30			
7	15	5			2,5		22 01 31	1 01 16		
7	15	7			3,5		22 01 32			
7	15,5		8	7	5				22 01 90	
7	17	5			2,5		22 01 33			
7	20	7			3,5		22 01 34			
7	26	7			3,5		22 01 35			
7,5	15,5				8		1 02 69			
7,5	22	8			4		22 01 36			
8	14	4			2		22 01 37	1 02 06		
8	14	6			3		22 01 38	1 01 78		
8	14		8	6	4				22 01 91	
8	14		9	7	4				22 01 92	
8	14,3	7			5		1 03 48			
8	14,5	4			2		22 01 39			
8	14,5		8	7	5				22 01 93	
8	15	4			2		22 01 40	22 01 71		
8	15	6			3		22 01 41			

ACLATHAN®-Nuttingdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige



Dimension [mm]:

Ø d	Ø D	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
8	15	8			4		22 01 72			
8	15	8			6		1 02 07			
8	15		8	7	4				1 03 26	
8	16	5			2,5	1 03 34				
8	16	6			3	22 01 43				
8	16	6			3,5	1 02 70	1 01 79			
8	16		8	7,5	5			22 01 94		1 00 95
8	17		11	9	5					
8	18	8			4	22 01 45				1 03 14
8	18		8	7	4					
8	18	9			4,5	22 01 46				
8	18	9			6	22 01 47				
8	18	11			7	22 01 48				
8	20	6			3	22 01 49				
8	20	8			5	22 01 50				
8	22	7			3,5	22 01 51				
8	22	7			4		22 01 74			
8	22	8			4	1 02 71				
8	24	8			4	22 01 53				
8	25	9			4,5	22 01 54				
8	28	8			4,5	22 01 55				
8	30	10			5	23 00 23				
8	30	14			7	22 01 56				
8,3	14		8	7	4			22 01 95		
8,4	14		8,1	7,1	4,7			22 01 96		
8,6	18,7		11	5	7			22 01 97		
9	15	4			2	22 01 57				
9	15	8			4		1 00 93			
9	18	5			2,5	22 01 58	22 01 76			
9	19	6			3,5	1 02 72				
9	20	4			2	22 01 62				
9	20	6			3	22 01 60				
9,4	23,8	10			6		22 01 77			
9,5	30	10			6		22 01 78			
10	15	4			2	1 02 73				
10	15	5			2,5	22 10 02				
10	16	4			2	1 03 43				
10	16	4			2		1 00 09			
10	16	6			4	1 00 26				
10	16	6			4		1 00 54			
10	16,4	4			2	22 10 05				
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ACLATHAN®-Nuttingdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige

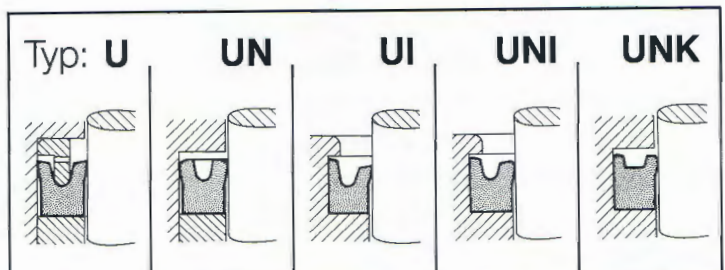
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ACLATHAN®-Nutringdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige



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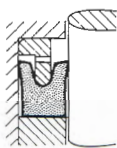
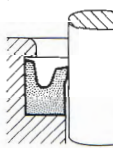
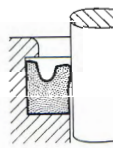
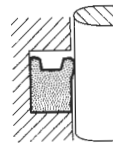
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ACLATHAN®-Nuttingdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige

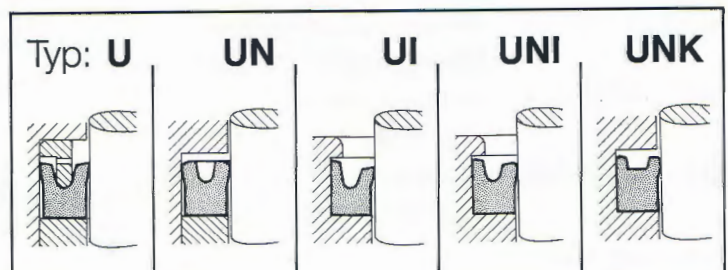
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ACLATHAN®-Nutringdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**



Dimension [mm]:

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ACLATHAN®-Nutringdichtungen
Stangendichtungen

ACLATHAN®-U-Ring Seals
Rod Seals

ACLATHAN®-Joints en U
Joints de tige

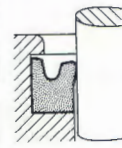
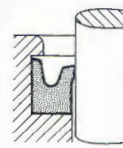
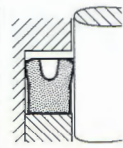
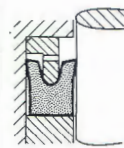
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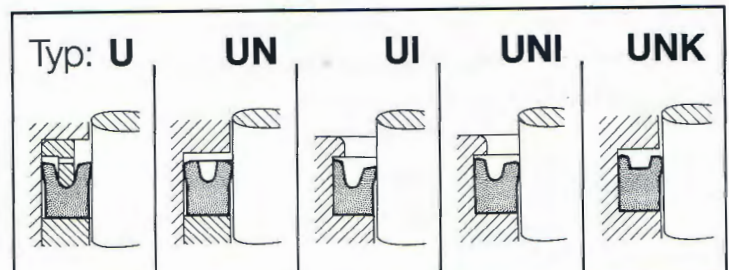
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27	36	6			3		1 01 26			

ACLATHAN®-Nutringdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige



Dimension [mm]:

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27	47	10			5	22 27 02				
28	34	7			3,5	22 28 01				
28	34	7,5			5	22 28 02				
28	36	5			2,5		1 01 34			
28	36	6								1 03 88
28	36	8								1 03 89
28	38	5			2,5	22 28 03				
28	38	8			4	1 02 86				
28	38		8	7	4				23 28 80	
28	38		9	7	3,5			1 03 11		
28	38	10			5		22 28 28			
28	38	10			6	22 28 05	1 02 27			
28	38		10	9	6				23 28 81	
28	40	8			4	22 28 06				
28	40	9			4,5	22 28 07				
28	40	10			5	22 28 08	22 28 29			
28	40	10			6		1 00 16			
28	42	7			3,5	22 28 09				
28	43		10	9	6				23 28 82	
28	44	8			4	22 28 10	1 02 26			
28	44	11			5,5	22 28 11				
28	45	10			5	22 28 12				
28	46	9			4,5	22 28 13				
28	46	10			5	22 28 14				
28	48	10			5	22 28 15				
28	48		18	16	8			22 28 33		
28	50	12			6	22 28 16				
28	52	12			6	22 28 17				
28	55	14			7	22 28 18				
28,2	40	8			4	22 28 19				
28,5	42		10	9	5			22 38 34		
29	45	15			7,5	22 29 01				
30	37	6			3,5		1 01 35			
30	38	5			2,5	22 30 01				
30	38	6			3	22 30 02				1 03 68
30	38	7			4		1 02 28			1 03 53
30	38	8								
30	38	12			9	22 30 03	22 30 27			
30	38		12	10	6			22 30 41		
30	40	5			2,5	22 30 04		22 30 42		
30	40		7,5	6,5	4	22 30 05				
30	40	10			6		1 00 20			
30	40		10	9	6				1 01 01	
30	40		10,3	9	6			22 30 43		
30	42	6			3	22 30 06				
30	42	9			4,5	22 30 07				
30	42		9	8	4,5			1 03 12		
30	42	10			5	22 30 08				
30	42	10			6		1 00 17			
30	42		10	8	4,5				1 03 18	
30	42		10	9	6				1 00 71	
30	42		11	10	6,5			22 30 45		
30	43	6,5			4		22 30 34			
30	43	8			4	22 30 09				
30	44	10			5	22 30 10				
30	45	8			4	22 30 11				
30	45	10			5	22 30 12				
30	45				6		1 02 29			
30	45		10	9	6				23 00 18	
30	45	13			8	22 30 13				
30	46	11			5,5	22 30 14				
30	48	10			5	22 30 22				
30	50	10			5	22 30 15	1 01 95			
30	50	12			6	22 30 16				
30	50	12			7		22 30 31			
30	50,8	9			6	22 30 17				
30	52	11			6		22 30 32			
30	55	12			6	22 30 18				
30	60	10			5	22 30 19				

ACLATHAN®-Nutringdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**

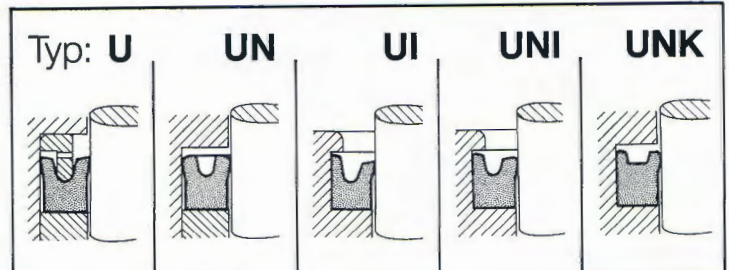
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30	70	15			7,5	22 30 21				
30,2	38,1		7,9	6,4	3,5			22 30 47		
30,2	42,9	6,4			4		22 30 33			
30,5	40		5,5	3,4	2,5			22 30 46		
31	38	7			4	22 31 01	22 31 06			
31	40		5,5	3,5	2			22 31 11		
31,7	40		10	9	6			22 31 12		
31,8	41,3		8,3	7,7	4,3			22 31 13		
31,8	44,5	9,5			5,5		1 01 96			
32	40	5			2,5	22 32 01				
32	40	6								1 03 69
32	40	7			4		1 01 52			
32	40	7			5	22 32 02				
32	40	8			4		1 00 41			
32	40	8								1 03 54
32	40	8			5		22 32 21			
32	40		8	6,5	4,5			1 01 59		
32	40	10			7	22 32 03				
32	42	5			2,5	22 32 04				
32	42	10			6		1 02 30			
32	42		10	9	6				23 32 80	
32	44	6			3	22 32 05				
32	44	12			8	22 32 17				
32	45	6,5			4	22 32 18				
32	45	10			5	22 32 06				
32	45	10			6		22 32 23			
32	46		9	7,5	3,5			22 32 35		
32	46	10			5	22 32 07				
32	48	8			4	22 32 08				
32	48	10			5	22 32 09				
32	48	11			5,5	22 32 10				
32	50	9			4,5	22 32 11				
32	50	12			7,5		22 32 24			
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32	56	12			6	22 32 13				
32	58	13			6,5		22 32 26			
32	60	14			7	22 32 14				
32	62	14			7	22 32 15				
32	68	15			7,5	22 32 16				
33	43		10	9	6				23 00 35	
33	50	13,5			8		22 33 07			
33	52	10			5	22 33 01				
33	55	12			6		22 33 06			
34	42	8			4	1 02 88				
34	44	5			2,5	22 34 02				
34	44	8			5	22 34 03				
34	46	8			4,5		1 00 51			
34	46	8			5		22 34 12			
34	50	7			3	22 34 04				
34	50		14	13	9				23 34 80	
34	54	10			5	22 34 05				
34	60	13			6,5	22 34 06				
34,9	50		10	9	5			22 34 17		
35	42	8			4	1 02 89				
35	42	8			5		22 35 22			
35	43	7			4		1 01 11			
35	43	8								1 03 92
35	43		8	7	4,5				1 01 81	
35	45	5			2,5	22 35 02				
35	45	6			3	1 00 55				
35	45	8			4		1 03 44			
35	45	8			5	22 35 04				
35	45	10			5	22 35 05	22 35 23			
35	45	10			6		1 00 27			
35	45		10	9	6				1 01 72	
35	46	8			4	22 35 06				
35	47	6			2,5	22 35 07				
35	48	10			6,5	22 35 08	1 03 66			
35	50	8			4	22 35 09				
35	50	10			5	22 35 10				
35	50	10			6		1 02 31			

ACLATHAN®-Nutringdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige



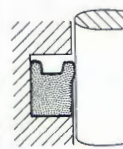
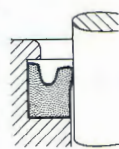
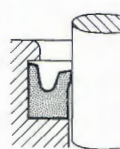
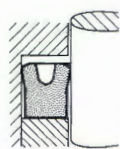
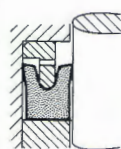
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35	55	10			5	1 02 90				
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35	60	12			6	22 35 15				
35	65	12			6	22 35 16				
35	70	15			7,5	22 35 17				
36	43	10,5			8	22 36 01				
36	44	6								1 03 70
36	44	8								1 03 55
36	45	10			5	1 02 91				
36	45	10			6		22 36 16			
36	46	5			2,5	22 36 03				
36	46	7					22 36 17			1 03 93
36	46	10			6					
36	46	10			7	22 36 04				
36	46	10	10	9	6				23 36 80	
36	48	6			3	22 36 05				
36	50	7			3,5	22 36 06				
36	51		10	9	6				23 36 81	
36	52	10			5	22 36 07				
36	55	10			5	22 36 08				
36	55	10			6		22 36 18			
36	56	10			5	22 36 09				
36	56		12	11	8				23 36 82	
36	60	12			6	22 36 10				
36	66	15			7,5	22 36 11				
37	47	10			6		23 00 75			
37	62	15			7,5	22 37 01				
38	45	6			4		1 02 33			
38	45		6	5	3			1 03 39		
38	45		6,5	5,5	3,5			1 00 48		
38	46	12			6		22 38 18			
38	46	12			8	22 38 01				
38	48	5			2,5	22 38 02				
38	48	12			8	22 38 03				
38	50	6			3	22 38 04				
38	50	6			4		1 02 34			
38	50	8			4	22 38 05				
38	50	9			6	22 38 06				
38	50	10			6		22 38 20			
38	50,4	8,7			6,4	22 38 07				
38	55	10			6	22 38 08				
38	55	12			8		1 02 35			
38	55	12					22 38 22			
38	56	10			5	22 38 09				
38	58	10			5	22 38 10				
38	58	12			6	22 38 11				
38	60	12			6		22 38 23			
38	62	12			6	22 38 12				
38	65	14			7	22 38 13				
38	109	15			8	22 38 14				
38,1	50		10	9	5			22 38 33		
38,1	82,55	19,2			12,2		1 01 53			
39	50,8	9			6	22 39 01				
40	45	4			2	22 40 01				
40	47		6	5	3			22 40 44		
40	48	5			2,5	22 40 02		22 40 29		
40	48	6								1 03 94
40	48	8								1 03 95
40	48	8			5		22 40 38			
40	48		11	10	7			1 00 84		
40	50	5			2,5	22 40 03				
40	50	6			3	1 02 92				
40	50	7								1 03 96
40	50	8			5	1 02 93				
40	50	10			5	22 40 06				
40	50	10			6		1 00 18			
40	50		10	9	6				1 01 02	
40	50		11	10	6			22 40 46		
40	54	10			5	22 40 07				
40	55	8			4	22 40 08				

ACLATHAN®-Nutringdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**

Typ: U
UN
UI
UNI
UNK

Dimension [mm]:

Ø d	Ø D	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
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40	55	10			5		1 01 76			
40	55		10	9	6				23 40 81	
40	56	8			4	22 40 10	22 40 32			
40	56	10			5	22 40 11	22 40 33			
40	60	10			5	22 40 13	22 40 34			
40	60	10			6	1 01 15	1 00 94			
40	60	12			6	22 40 14				
40	60	12			7		22 40 35			
40	60		12	11	8				23 40 82	
40	60	13			8	22 40 15				
40	60	16			11	22 40 16				
40	60	18			12	1 02 94	1 02 36			
40	64	10			5	22 40 18				
40	64	12			6	22 40 19				
40	64	12			7		22 40 36			
40	65	10			5	22 40 20				
40	65	10			6		1 03 56			
40	65	12			8		1 01 77			
40	65	12,5			6	22 40 21				
40	65	13			6,5	22 40 22				
40	70	15			7,5	22 40 23				
40	75	16			8	22 40 24				
41,2	56,8	11			5,5	22 41 01				
42	50	5			2,5	22 42 01				
42	50		6,5	6	3,5				23 42 80	
42	50	8			5	22 42 02				
42	50	8			5		1 02 37			
42	50		8	7	3,4			22 42 30		
42	50	10			4,6	22 42 03				
42	50	10			6		22 42 21			
42	52	10			5	22 42 04				
42	52	10			6	22 42 05	22 42 22			
42	55		8	7	3			22 42 31		
42	55		8	7	4			22 42 32		
42	56	7			3,5	22 42 07				
42	60	10			5	22 42 16				
42	62	10			5	22 42 08				
42	62	12			6	22 42 09				
42	62	12			7		1 02 38			
42	62	18			12	22 42 10	22 42 23			
42	65	12			7	22 42 11				
42	68	13			6,5	22 42 12				
42	70	14			7	22 42 13				
42	72	15			7,5	22 42 14				
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42,6	74	12			6	22 42 15				
43,5	54		6,5	4,4	3			1 00 25		
44	54	6			3	22 44 01				
44	58	7			3,5	22 44 02				
44	60	8			4	22 44 03				
44	64	10			5		22 44 12			
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44	70	13			6,5	22 44 06				
44,4	58		10	9	5			22 44 17		
44,5	54	6,4			3,2		22 44 13			
44,5	57,2		9,5	7,9	4,4			22 45 41		
44,8	55,7	9,5			6	22 44 07				
45	52	13,5			10,5	22 45 01				
45	53	8								1 03 97
45	53		10	8,5	6			22 45 37		
45	53	12			6		22 45 20			
45	53		12	10,5	7			22 45 38		
45	53		12	11	6			22 45 39		
45	53		12	11	8				1 01 17	
45	55	6			3	1 01 25				
45	55	7								1 03 98
45	55	10			5	22 45 03				
45	55	10			6		1 00 70			
45	55		10	9	6				1 01 24	
45	56		6	4,4	3			1 01 27		

ACLATHAN®-Nutringdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige

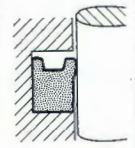
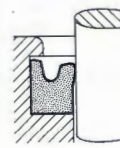
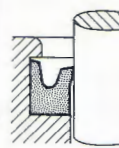
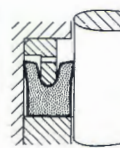
Typ: U

UN

UI

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Dimension [mm]:

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45	58	12			7		22 45 22			
45	60	10			5	22 45 05				
45	60	10			6		1 00 34			
45	60		10	9	5			22 45 40		
45	60		10	9	6				23 45 81	
45	60	10,5			6,5	22 45 06				
45	63	9			4,5	22 45 07				
45	63	9			5		22 45 24			
45	63	10			5	22 45 08				
45	63	12			7		22 45 25			
45	65	10			5	22 45 09				
45	65	12			3	22 45 10				
45	65	12			6	22 45 11				
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45	65		12	11	8				23 45 82	
45	70	12			6	22 45 12				
45	75	15			7,5	22 45 13	22 45 27			
45	80	16			8	22 45 14				
45	85	18			9	22 45 15				
46	54	6,5			3,5		22 46 06			
46	70	12			6	22 46 01				
47	62	12			7,5		1 02 39			
47	66,7	10			5		22 47 05			
47,6	56		10	9	6			22 47 10		
48	56		11,8	11	8,3			22 48 20		
48	58	6			3	22 48 01				
48	58	10			6		1 02 40			
48	59,5	5,5			2,2	22 48 02				
48	60	6			3	22 48 03				
48	60	8			4	22 48 04				
48	63	10			5		22 48 16			
48	65	9			4,5	22 48 05				
48	65	10			6		1 00 83			
48	68	10			5	22 48 06				
48	70	11			5,5	22 48 07				
48	72	12			6	22 48 08				
48	73	12			6	22 48 09				
48	109	15			8	22 48 10				
49	61,9	6,4			3,4	22 49 02				
49	65	10			5	22 49 01				
49	66		9,5	8	3,5			22 49 10		
50	57	10			6	22 05 01	22 05 86			
50	57		10	9	6,8			22 95 30		
50	58	8							1 03 99	
50	58	8			5,5	22 05 02				
50	59,5	4,5			2	22 05 03				
50	60	5			2,5		1 02 41			
50	60	6			3	22 05 04				
50	60	7							1 04 00	
50	60		7	4	2,5			22 95 31		
50	60	10			5	22 05 05				
50	60	10			6	22 05 06	1 00 30			
50	60		10	9	5			22 95 32		
50	60		10	9	6				1 03 29	
50	60	12			8		22 05 88			
50	60		12	10	6			1 00 49		
50	60				8		1 02 42			
50	60	13			9,5	22 05 07				
50	61	15			9,5	22 05 08				
50	62	9			5		1 00 35			
50	62	9			6	22 05 09	22 05 89			
50	62,8	6			3	22 05 10				
50	63	6			3		1 00 39			
50	63	10			6		22 05 91			
50	65	8			4	22 05 11				
50	65	10			5	22 05 12				
50	65	10			5		22 05 92			
50	65	10			6		1 00 31			
50	65		10	9	6				23 05 81	
50	66	12			5	22 05 13				
50	68	9			5	22 05 14				

ACLATHAN®-Nuttingdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige

Dimension [mm]:

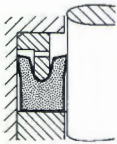
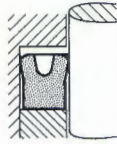
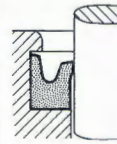
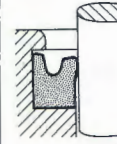
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50	70	10			5		22 05 94			
50	70	10			6		1 00 42			
50	70	12			6	22 05 16				
50	70	12			7		1 02 43			
50	70	12	12	11	8				23 05 82	
50	70	18			12	1 02 96	1 01 43			
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ACLATHAN®-Nuttingdichtungen Stangendichtungen

ACLATHAN®-U-Ring Seals Rod Seals

ACLATHAN®-Joints en U Joints de tige

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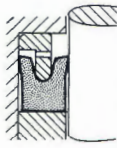
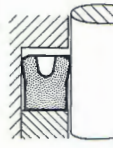
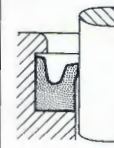
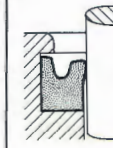
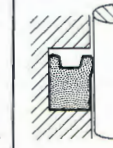
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60	80	18			12	1 01 22	1 01 42			

ACLATHAN®-Nutringdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**

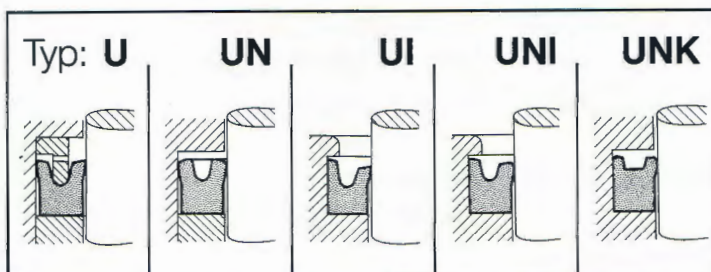
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62	75,3		7	5	3			22 96 21		
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63	78	10			6					
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63	82	10			5	22 06 36				
63	83		12	11	8			23 06 84		
63	83	15			10					
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64	72	8					22 06 83			
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64	76	9			6		22 06 84			
64	80	8			4	22 06 37				
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65	95	15			7,5	22 06 49				
65	100	18			9	22 06 50				

ACLATHAN®-Nuttingdichtungen
Stangendichtungen

ACLATHAN®-U-Ring Seals
Rod Seals

ACLATHAN®-Joints en U
Joints de tige



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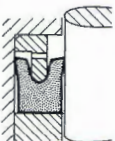
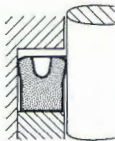
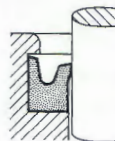
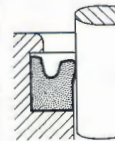
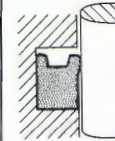
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66	96	15			7,5	22 06 55				
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67	80	12			8		22 06 95			
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68	78	10			6	22 06 69				
68	85	10			6	22 06 56				
68	90	12			6	22 06 57				
68	92	12			6	22 06 58				
68	98	15			7,5	22 06 59				
68	100	16			8	22 06 60				
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ACLATHAN®-Nutringdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**

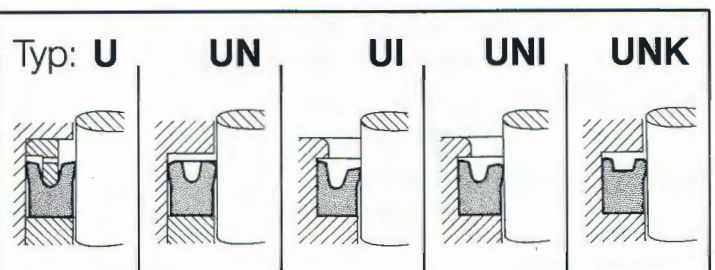
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ACLATHAN®-Nutringdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**



Dimension [mm]:

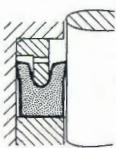
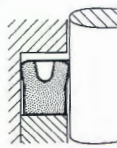
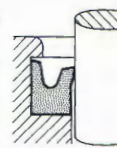
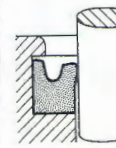
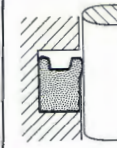
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84	96		13	11,5	7,5			22 08 93		
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85	95	12			8	22 08 33	22 08 65			
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90	105		12	11	8			23 09 80		
90	110	10			5	22 09 02				
90	110	12			6	22 09 03	22 09 45			
90	110	16			8	22 09 04				
90	110	18			12	22 09 05	22 09 46			

ACLATHAN®-Nuttingdichtungen
Stangendichtungen

ACLATHAN®-U-Ring Seals
Rod Seals

ACLATHAN®-Joints en U
Joints de tige

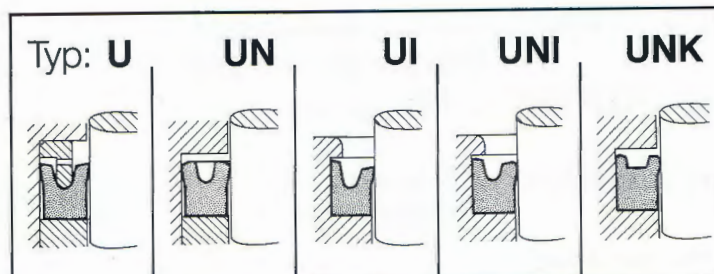
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ACLATHAN®-Nutringdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**



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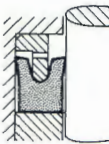
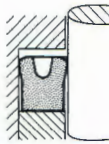
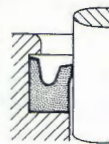
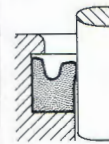
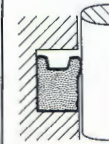
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ACLATHAN®-Nuttingdichtungen
Stangendichtungen

ACLATHAN®-U-Ring Seals
Rod Seals

ACLATHAN®-Joints en U
Joints de tige

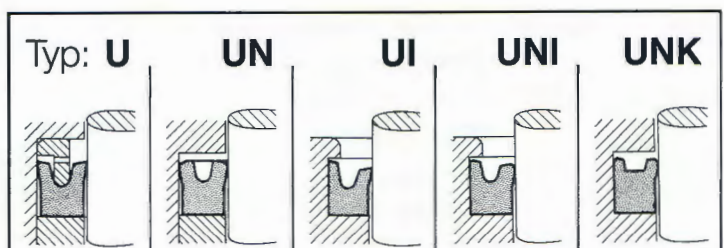
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125	150	12			6	22 52 13				
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ACLATHAN®-Nuttingdichtungen
Stangendichtungen

ACLATHAN®-U-Ring Seals
Rod Seals

ACLATHAN®-Joints en U
Joints de tige



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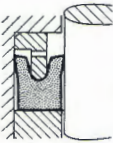
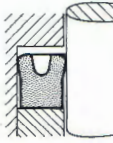
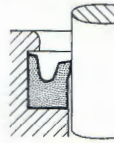
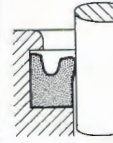
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ACLATHAN®-Nuttingdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**

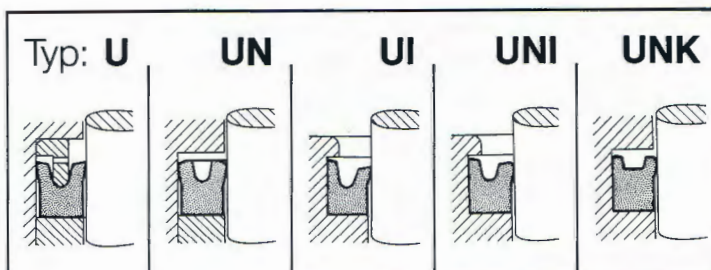
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						Typ: U	UN	UI	UNI	UNK
										
Ø d	Ø D	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
165	180	7,5			3	22 56 09				
165	185	15			7,5	22 56 10				
165	187		9	7,5	4,5			22 56 31		
165	195	15			7,5	22 56 14				
165	195	19			11	22 56 11				
165	195	26			17,5	22 56 12				
166	178	6			3	22 56 13				
166	188		9	7,5	4			22 56 32		
168	176		11,7	10,7	7,5			22 56 33		
168	208	15			8	22 56 15				
170	182		15	13,5	10			22 57 21		
170	190	15			7,5	22 57 01				
170	190	15			9		22 57 13			
170	200	22			12	22 57 02				
170	202	26			19		22 57 14			
170	204	25			12,5	22 57 03				
170	212	20			10		22 57 15			
171	179		14	12,5	10,3			22 00 77		
175	187	12			6		22 57 16			
175	195	10			5	22 57 04				
175	200	12			6	22 57 05				
175	205	15			7,5	22 57 06				
175	210	18			9	22 57 07				
176	184		11,7	10,7	7,5			22 57 22		
177,8	203,2	12,7			4,8	22 57 08				
180	200	10			5	22 58 01				
180	200	15			10		22 58 13			
180	200		15	14	10				23 58 80	
180	200	18			12	22 58 02				
180	200	25			17	22 58 03				
180	204	12			6	22 58 04				
180	210	15			7,5	22 58 05				
180	220	16			9		22 58 14			
180	220	20			10	22 58 06				
181	193,7	8			4	22 58 07				
182	200	21			16	22 58 08				
185	205	15			9,5		22 58 15			
185	220	30			20	22 58 09				
186	194		11,7	10,7	7,5			22 58 24		
188	212		25	23	14			22 58 25		
190	203	7			4	22 59 05				
190	204	15			10	22 59 01	22 59 12			
190	210	15			7,5	22 59 02				
190	210	15			10		22 59 09			
190	210		15	14	10				23 58 82	
190	220	26			17,5	22 59 03				
190	220	26			20	22 59 06	22 59 13			
192,5	200,5		14	12,5	10,5			22 59 16		
195	215	12			7		22 59 10			
195	225	26			17,5		22 59 11			
195	230	20			12	22 59 04				
198	206		11,7	10,7	7,7			22 59 18		
200	212		15	13,5	10			22 59 19		
200	220	10			5	22 60 01				
200	220	10			6		22 60 12			
200	220		13	12	5			22 60 24		
200	220	15			10		22 60 13			
200	220		15	14	10				23 60 80	
200	220	18			12	22 60 02				
200	230	15			7,5	22 60 03				
200	230	17			10		23 00 24			
200	230	18			11		22 60 14			
200	230	26			17,5	22 60 04				
200	238	22			15		22 60 16			
200	240	20			10	22 60 05				
202,4	238,4	20			12	22 60 06				
204	196,2		11,7	10,7	7,7			22 59 17		
205	225	12			7		22 60 15			
206	250	18			10	23 00 53				
208	250	21			11	22 60 07				
210	230	25			17	22 61 09				

ACLATHAN®-Nuttingdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**



Dimension [mm]:

Ø d	Ø D	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
210	235	15			9	22 61 01				
210	235		24,5	23	14			22 61 20		
210	240	15			7,5	22 61 02				
210	240	15			9	22 61 03				
210	240	18			11		22 61 13			
210	240	25			11,5	22 61 04				
210	243	24			12	22 61 05				
210	250	20			10	22 61 06				
212	235	15			10		22 61 15			
214	222		14	12,5	10,3			22 61 22		
215	235	25			17	22 61 07				
215,9	228,6	8			4	22 61 08				
215,9	247,7	15,9			9,9	22 61 10				
218	226		11,7	10,7	7,5			22 61 21		
219	250	15			9	22 61 11				
220	240	10			5	22 62 01				
220	240		15	14	10				23 62 80	
220	250	15			7,5	22 62 02				
220	250	15			10		22 62 14			
220	250	18			11		22 62 15			
220	250	18			12		22 62 16			
220	250	25			15	22 62 03				
220	250	26			17,5	22 62 04				
220	255	22			15		22 62 17			
220	260	20			10	22 62 05				
220	265	22			15		22 62 18			
220	280	28			14	22 62 06				
224	254	15			8,5	22 62 07				
224	260	30			18	22 62 08				
225	245	12			7		22 62 19			
225	255	26			18	22 62 09				
225	255	42			34		22 00 70			
225	265	34			23		22 62 20			
229	263	20			12		22 62 21			
230	250	15			10		22 63 10			
230	256		19	17,5	9,5			22 63 15		
230	260	26			17,5	22 63 01				
230	260	26			20		22 63 11			
230	270	18			10	22 63 02				
230	270	20			10	22 63 03				
230	275	26			17,5	22 63 04				
233	245	6			3	22 63 05				
239	272	26			17,5	22 64 03				
240	260	10			5	22 64 01				
240	260	17			11		22 64 11			
240	270	15			7,5	22 64 02				
240	270	18			11		22 64 12			
240	270		18	17	11				23 00 43	
240	280	20			10	22 64 04				
240	290	25			12,5	22 64 05				
245	265	12			7		22 64 13			
245	285	30			15	22 64 06				
250	264		12	10,5	7			22 65 28		
250	270		15	14	10				23 65 80	
250	275	12			6	22 65 01				
250	276		24,5	23	14			22 65 26		
250	280	15			8	22 65 02				
250	280		18	17	11				23 65 81	
250	280	22			15		22 65 16			
250	280	25			15	22 65 03				
250	280	26			17,5	22 65 04				
250	290	20			10	22 65 05				
250	290	20			12		22 65 17			
250	300	25			12,5	22 65 06				
251	285		45	43	29			22 65 27		
254	282,5	20			10	22 65 07				
254,6	284	34			24	22 65 08				
255	285	15			8		22 65 18			
255	285	20			10	22 65 09				
255	295	18			10	22 65 10				
258	290	20			10	22 65 11				
260	290	25			12,5	22 66 01				

ACLATHAN®-Nuttingdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**

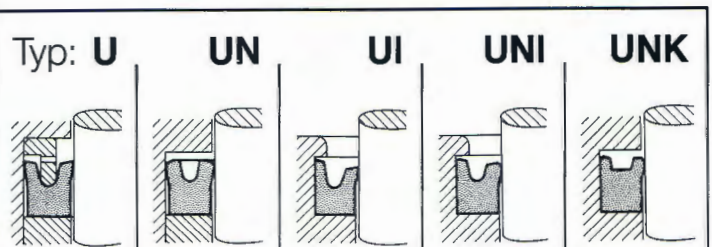
Dimension [mm]:

						Typ: U	UN	UI	UNI	UNK
Ø d	Ø D	h	h ₁	h ₂	s		Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
260	296	34			23			22 66 02		
260	300	26			19			22 66 08		
260	300	34			23	22 66 03				
265	290		24,5	23	14				22 66 13	
265	290		24,5	23	14,5				22 66 14	
270	290	17			12			22 67 06		
270	300	18			11			22 67 07		
270	300		24,5	23	14				22 67 12	
270	300	30			15	22 67 01				
270	310	20			10		22 67 08			
273	300		24,5	23	14				22 67 13	
280	300	12			6	22 68 01				
280	300		15	14	10					23 68 80
280	310	15			7,5	22 68 02				
280	310		18	17	12					23 68 81
280	310	25			12,5	22 68 03				
280	310	26			17,5	22 68 04				
280	310	26			18		22 68 11			
280	320	20			10	22 68 05				
280	330	25			12,5	22 68 06				
290	310	12			7			22 69 06		
290	340	36			28	22 69 01		22 00 20		
295	320	18			11			22 69 07		
320	300	15			8	22 70 01				
300	323	10			5,5	22 70 08				
300	326		24,5	23	14				22 70 22	23 70 80
300	330	15			7,5	22 70 02				
300	330	22			13		22 70 12			
300	336	30			20	22 70 03				
300	340	20			10	22 70 04				
320	350		20	19	13					23 72 80
320	360		28	27	21					23 72 81
300	350	25			12,5	22 70 05				
303	343	20			10	22 70 06				
304,8	330,2	20			12	22 70 07				
310	330	15			9	22 71 01				
310	330	17			11			22 00 49		
310	340	15			8			22 71 08		
310	340	20			12			22 71 09		
310	340	26			17,5			22 71 10		
310	350	34			16			22 71 11		
310	355	38			27	22 71 04				
310	360	25			12,5	22 71 02				
315	345	25			15			22 71 12		
318	330	6			3	22 71 03				
320	340	12			7			22 72 11		
320	350	15			7,5	22 72 01				
320	350	15			8			22 72 12		
320	350	16			10			22 00 18		
320	360	20			10	22 72 02				
320	360	34			22	22 72 03				
320	370	25			12,5	22 72 04				
325	350		24,5	23	14				22 72 16	
325	350		24,5	23	14,5				22 72 17	
328	358	15			7	22 72 05				
328	380	30			15	22 72 06				
330	360	22			13			22 73 07		
330	365	25			12,5	22 73 01				
330	370	28			18	22 73 02		22 73 08		
337	350		15	14	9				22 73 16	
340	380	20			10	22 74 01				
340	385	35			22	22 74 02				
340	385		35	33	22				22 74 13	
345	365	12			7			22 74 09		
345	395	36			27,5	22 74 03		22 00 11		
350	380	15			7,5	22 75 01				
350	400	25			12,5	22 75 02				
350	410	30			15	22 75 03				
355	385	25			12,5	22 75 04				
355	407	20			12	22 75 05				
360	382	22			10	22 76 01				
360	385		24,5	23	14				22 76 16	

ACLATHAN®-Nuttingdichtungen **Stangendichtungen**

ACLATHAN®-U-Ring Seals **Rod Seals**

ACLATHAN®-Joints en U **Joints de tige**



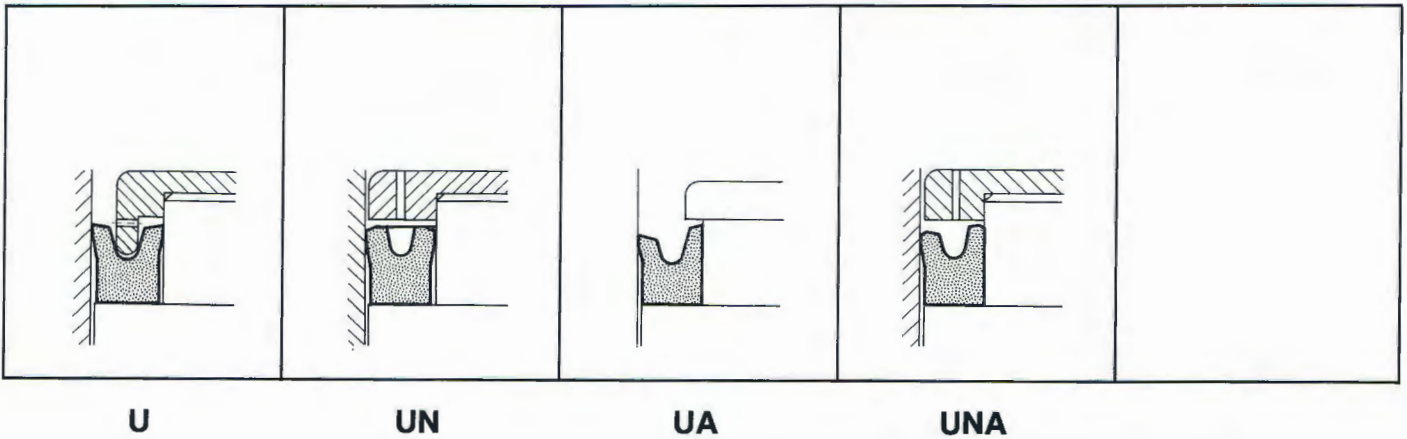
Dimension [mm]:

Ø d	Ø D	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
360	390		20	19	13				23 76 80	
360	390	22			15		22 76 08			
360	396	34			22		22 76 09			
360	400		28	27	12				23 76 81	
360	400	31			21		23 00 60			
360	420	32			16	22 76 02				
362,7	410	20			12	22 76 03				
375	395	12			7		22 77 05			
380	395		15	13,5	9			22 78 15		
380	410	22			11	22 78 01				
380	410	22			15		22 78 07			
380	420	20			10	22 78 02				
394	415	16			10		22 79 07			
396,5	440	35			18	22 79 01				
398	450	20			12	22 79 02				
400	430	15			7,5	22 80 01				
400	435	35			23	22 80 02				
400	440	35			17,5	22 80 03				
400	450	25			12,5	22 80 04				
400	460	30			15	22 80 05				
403	448	28			14	23 00 46				
404,2	450		30	27	17			22 80 17		
410	430		18	16,5	11			22 81 11		
410	440	22			13		22 81 06			
410	450	20			10	22 81 01				
420	450	15			8		22 82 06			
420	450	22			15		22 82 07			
423	435	6			3	22 82 01				
425	465	25			15		22 82 08			
430	460	22			15		22 83 06			
430	460		22	21	13,5				23 00 30	
435	485	34			23	22 83 01				
440	470	20			13		22 84 05			
440	480	31			21		23 00 91			
450	480	15			7,5	22 85 01				
450	490	34			23	22 85 02				
450	491	33,5			16	22 85 03				
450	500	25			12,5	22 85 04				
450	510	30			15	22 85 05				
455	500	40			25	22 85 06				
456	500	30			20		22 85 11			
500	540	20			10	22 90 01				
500	540	34			23		22 90 17			
509	561	26			13	22 90 02				
520	570	25			12,5	22 90 03				
530	560	15			8		22 90 18			
531,5	594	30			15	22 90 04				
540	580	32			17	22 90 05				
540	580	32			22		22 90 19			
550	580	15			7,5	22 90 06				
570	620		32	30,5	22				23 00 78	
576	600	12			7	23 00 71				
578	590	6			3	22 90 07				
646	670	12			7	23 00 72				
656	688	26			18	22 90 08				
695	720	14,5			7,5		23 00 57			
763	775	6			3	22 90 09				
817	862	30			15	22 90 10				
870	920	35			18	22 90 11				
925	950	15,5			8		23 00 56			
988	1000	6			3	22 90 12				

Rod Seals

U-Ring Seals

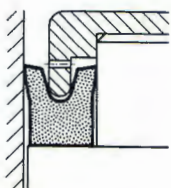
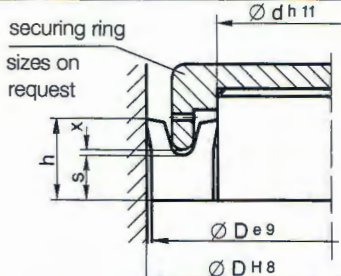
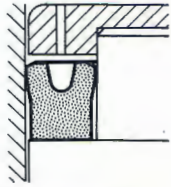
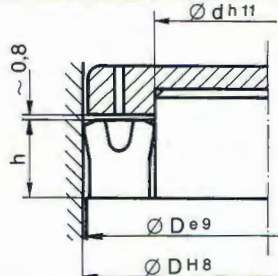
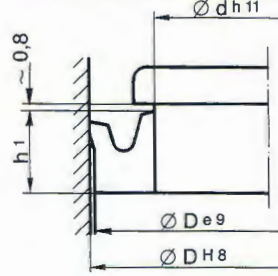
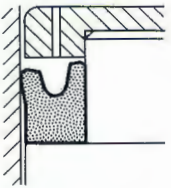
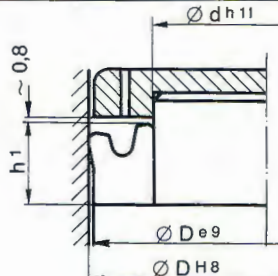
– sealing the outside diameter –



For special applications U-Ring Seals can be equipped with a backring. On account of this additional plastic ring gap widths up to 0,6 mm are

permissible. The sizes of the backring are adapted to the housing and the seal profile. The designation changes

from **UN** in **UB**
UNA in **UBA**

Type	Nominal Sizes	Housing
U		 securing ring sizes on request
UN		
UA		
UNA		
UB		
UBA		

Further sizes and special executions
as per drawing or sample on request.

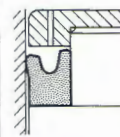
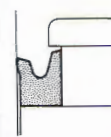
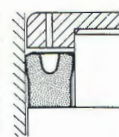
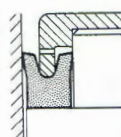
Tolerances as per DIN 7715 M 3

U-Ring Seals type U can be universally used. Their section is symmetrical. The sealing edge is acute-angled. A securing ring prevents gap extrusion of the lip. It has to be adapted to the seal groove and mounted with axial play as per table.	Play x between securing ring and seal <table><tr><th>Seal height</th><th>x</th></tr><tr><td>up to 6 mm</td><td>0,3 mm</td></tr><tr><td>more than 6 mm up to 12 mm</td><td>0,5 mm</td></tr><tr><td>more than 12 mm</td><td>0,8 mm</td></tr></table>	Seal height	x	up to 6 mm	0,3 mm	more than 6 mm up to 12 mm	0,5 mm	more than 12 mm	0,8 mm
Seal height	x								
up to 6 mm	0,3 mm								
more than 6 mm up to 12 mm	0,5 mm								
more than 12 mm	0,8 mm								
U-Ring Seals type UN can be universally used and have got an obtuse-angled sealing edge which is set back against the length of the lip. The symmetrical reinforced profile is especially suitable for high pressures up to 400 bar. A securing ring is not required, and depending on a certain ratio of diameter and profile width the snap-fit method is possible.									
U-Ring Seals type UA with sealing lip fitting large diameter are rod seals only and mounted like type UN. The extension lip positioned at the small diameter ensures a firm and tight fit in the housing. The very small profile width makes it possible to use these seals for telescopic cylinders and easy snap-fit method. Application up to 150 bar.									
U-Ring Seals type UNA have got reinforced sealing lips contrary to type UA and a sealing edge which is set back like type UN. Application like type UA, however up to 250 bar.									
U-Ring Seals type UB are standard seals with backring over the whole profile width. The housing has to be enlarged accordingly. U-Ring Seals type UBA have got a backring at the outside diameter of the seal back.									

ACLATHAN®-Nutringdichtungen **Kolbendichtungen**

ACLATHAN®-U-Ring Seals **Piston Seals**

ACLATHAN®-Joints en U **Joints de piston**

Typ: U
UN
UA
UNA

Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
10	3	6			3,5		1 01 19			
10	4	4			2	1 01 44	1 01 06			
10	5		6,5	5,5	4			22 10 37		
11	5	5			2,8	22 01 07				
11	5	7			5	1 03 46				
11	5,5	7			4	22 01 12				
12	4	8			4	22 01 04				
12	5	4			2	22 01 09				
12	5	5			2		22 01 65			
12	5	5			3		1 01 41			
12	5	6			3		1 00 46			
12	6	4			2	1 01 28				
12	6	6			3,5	1 03 40				
12	6	8			5,5	1 01 74				
12	7	4			2	22 01 61				
12,3	4,7	3,9			2		1 01 49			
12,5	5		5	4,5	2			22 12 44		
12,7	6,5	7			5	1 03 47				
13	2	5			2,5	22 01 01				
13	5	6			3		22 01 67			
14	4	4,5			3	22 01 05				
14	5	4,5			3		22 01 68			
14	5	5			2,5	22 01 10				
14	5	6			4		22 01 69			
14	6	4			2	22 01 15				
14	7	3,5			1,8	22 01 29				
14	7	4			2	22 01 30				
14	8	4			2	22 01 37	1 02 06			
14	8	6			3	22 01 38	1 01 78			
14,3	8	7			5	1 03 48				
14,5	8	4			2	22 01 39				
15	5	6			3	22 01 11				
15	6	5			2,5	22 01 16				
15	6	6			3	22 01 17				
15	6	8			4	1 02 67				
15	6	8			5,5		22 01 70			
15	7	5			2,5	22 01 31	1 01 16			
15	7	7			3,5	22 01 32				
15	8	4			2	22 01 40	22 01 71			
15	8	6			3	22 01 41				
15	8	8			4		22 01 72			
15	8	8			6		1 02 07			
15	8		8,4	5,5	2,4			22 15 24		
15	9	4			2	22 01 57				
15	9	8			4		1 00 93			
15	9		8	7	5,2			22 15 25		
15	10	4			2	1 02 73				
15	10	5			2,5	22 10 02				
15,3	10,3	4			2	22 10 24				
15,5	7,5	8				1 02 69				
16	6	5			2,5	22 01 19				
16	6	6			3	22 01 20				
16	6		8	7	4			23 16 60		
16	8	5			2,5	1 03 34				
16	8	6			3	22 01 43				
16	8	6			3,5	1 02 70	1 01 79			
16	8		6	4,9	2			22 16 40		
16	10	4			2	1 03 43	1 00 09			
16	10	6			4	1 00 26	1 00 54			
16	11	4			2	1 00 67				
16,4	10	4			2	22 10 05				
16,4	11	6			4	22 11 02				
17	7	5			2,5	22 01 33				
17	9		8	7	3,5			22 17 17		
17	11	4			2	22 11 03				
17,2	11,1	3			1,5	22 00 84				
17,4	11	7			5	1 01 63				
18	6	6			3	22 01 21				
18	6	9			6	22 01 22				
18	6	11			7	22 01 23				
18	8	8			4	22 01 45				
18	8	9			4,5	22 01 46				

ACLATHAN®-Nutringdichtungen Kolbendichtungen

ACLATHAN®-U-Ring Seals Piston Seals

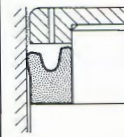
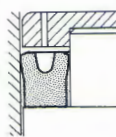
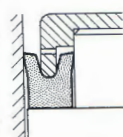
ACLATHAN®-Joints en U Joints de piston

Typ: U

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
18	8	9			6	22 01 47				
18	8	11			7	22 01 48				
18	9	5			2,5	22 01 58	22 01 76			
18	10	5			2,5	22 10 06	1 02 08			
18	10	6			3,5	22 10 23	22 10 34			
18	10	6			4		1 01 09			
18	10	8			5	22 10 07	1 02 09			
18	11		3,7	3,5	2			22 18 34		
18	12	4			2	22 12 01				
18	12	5			2,5	22 12 02	1 00 10			
18	12	6			3		22 12 35			
18	12	6			4	1 02 75	1 00 43			
19	9	6			3,5	1 02 72				
19	11	4			2	22 11 04				
19	10	8			4	22 10 08				
19	12	7,5			4,5	22 12 04				
20	6	7			3,5	22 01 24				
20	6	8			5	22 01 25				
20	7	7			3,5	22 01 34				
20	8	6			3	22 01 49				
20	8	8			5	22 01 50				
20	9	4			2	22 01 62				
20	9	6			3	22 01 60				
20	10	5			2,5	22 10 09	22 10 31			
20	10		7,5	6,5	3,5			22 20 46		
20	10		7,5	6,5	4			22 20 47		
20	10	8			4	1 01 46				
20	10	8			5		1 02 10			
20	10		8	7	4			23 20 60		
20	12	4			2	22 12 05				
20	12	8			4		22 12 36			
20	12	8			5	22 12 06				
20	12	8			5		1 00 19			
20	13	4			2	22 13 01				
20	14	4			2	1 00 87				
20	14	4,5			3	22 14 02				
20	14	15			12	22 14 03				
20,5	12	8			4	22 12 07				
20,6	14	7			5	1 01 64				
21	12	8			4	22 12 08				
22	6	6			3	22 01 26				
22	6	8			4	1 02 68				
22	7,5	8			4	22 01 36				
22	8	7			3,5	22 01 51				
22	8	7			4		22 01 74			
22	8	8			4	1 02 71				
22	10	6			3	22 10 11				
22	10	6,5			3,5	22 10 12				
22	10	8			4	22 10 13	22 10 33			
22	12	5			2,5	22 12 09				
22	12		7,5	6,5	3			1 01 56		
22	12	8			4	22 12 10	1 02 12			
22	12	8			5	22 12 11				
22	12,5		7	6,5	3,5			22 22 32		
22	12,5	7,5			4	22 12 29				
22	14	6			3,5	22 14 04				
22	15	4			2	22 15 01	1 03 50			
22	16	4			2	22 16 01	1 00 12			
22,5	16,5		10	8,5	6			22 22 33		
23	10	10			5	22 10 14				
23	11	6			3	1 00 89				
23	12	10			5	22 12 12				
23	13	10			5	22 13 02				
23	14	10			5	22 14 05				
23	16	14			11	22 16 02				
23,5	14	12			8	22 14 06				
23,8	9,4	10			6		22 01 77			
24	8	8			4	22 01 53				
24	12	6			3	22 12 13				
24	12	9			6	22 12 14				
24	12	10			5	22 12 15				
24	12	10			5		22 12 39			

ACLATHAN®-Nutringdichtungen Kolbendichtungen

ACLATHAN®-U-Ring Seals Piston Seals

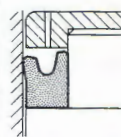
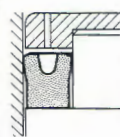
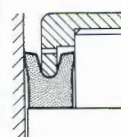
ACLATHAN®-Joints en U Joints de piston

Typ: U

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
24	14	4			2	22 14 07				
24	14	5			2,5	22 14 08				
24	14	8			4		1 02 13			
24	15	7			3,5	22 15 02				
24	16		9	8	6			22 24 25		
24	18	4			2	22 18 01				
24	18	4,5			3	22 18 24				
24	18	8			5,5	22 18 02				
25	8	9			4,5	22 01 54				
25	10	8			4	22 10 15				
25	10	8,5			4	22 10 16				
25	10		10	9	6				23 25 60	
25	11	8			4	22 11 05				
25	12	8			4	22 12 16				
25	12	10			5	22 12 17				
25	12	10			6		1 03 25			
25	13	6			3	22 13 03				
25	13	8			5		1 03 62			
25	13	10			5		22 13 17			
25	13	10			7	22 13 04				
25	14	10			5	22 14 09				
25	15	5			2,5	22 15 03				
25	15	8			4	22 15 04				
25	15	8			5	22 15 05				
25	15	8			5		1 02 14			
25	15		8	7	4				23 25 61	
25	15	10			5		22 15 18			
25	15	10			6		1 02 15			
25	16	5			2,5	22 16 03				
25	16	6			3	22 16 04				
25	16	8			4	22 16 05				
25	16	8			5,5	22 16 06				
25	17	10			6		22 15 21			
25	17	10			6,5	22 17 01		1 01 20		
25	17		10	8,5	6			22 25 39		
25	17		10	9	6				1 00 47	
25	17		10	9	6,5			22 25 40		
25	18	4			2	22 18 03				
25	18	4,5			2,6	22 18 04				
25	18		5	4	2,6			22 25 41		
25	19	5			2,5	22 19 02		1 03 35		
25	19	6			3,5	22 19 03		1 02 18		
26	7	7			3,5	22 01 35				
26	10	8			4	22 10 17				
26	10	9			5	22 10 18				
26	11	8			4	22 11 06		22 11 12		
26	12	6			3	22 12 18				
26	12	8			4	22 12 30				
26	12	10			5	22 12 19				
26	13	5			2,5	22 13 05				
26	14	8			4	1 03 41				
26	16	5			2,5	22 16 07				
26	16	6			3		22 16 32			
26	16	8			4		1 00 13			
26	16	8			5,5		22 16 34			
26	16	10			5	22 16 08				
26	16	10			6		1 02 16			
26	16	12			6	22 16 09				
26	18	4			2	1 02 78				
26	18	8			5		1 00 28			
26	19	4			2	22 19 04				
26	20	4			2	22 20 01				
26	20		10	8,5	6			22 26 20		
26	20,5	4			2	22 20 27				
27	10	7			3,5	22 10 19				
27	13	7			3,5	22 13 06				
27	18	8			4	22 18 06				
27	20	6			3,5		22 20 32			
28	6	11,5			6	22 01 28				
28	8				4,5	22 01 55				
28	10	8			4	22 10 20				
28	10	9			4,5	22 10 21				

ACLATHAN®-Nutringdichtungen **Kolbendichtungen**

ACLATHAN®-U-Ring Seals **Piston Seals**

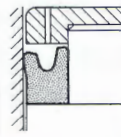
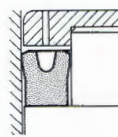
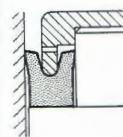
ACLATHAN®-Joints en U **Joints de piston**

Typ: **U**

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
28	12	8			4	22 12 20				
28	12	9			4,5	22 12 21				
28	14	7			3,5	22 14 11				
28	14	7			4		22 14 21			
28	15	7			3,5	22 15 06				
28	15	10			5	22 15 07				
28	15	10			6,5		22 15 20			
28	16	6			3	22 16 10				
28	16	9			4,5	22 16 11				
28	18	5			2,5	22 18 07				
28	18	8			5		22 17 14			
28	18	8			5,2	22 18 08				
28	18	10			6		22 18 28			
28	20	4			2	1 02 79	22 20 33			
28	20	5			2,5	1 00 44	1 02 19			
28	20	8			4	22 20 04	1 01 92			
28	20	8			5	22 20 05				
28	22	4			2		1 03 51			
28	22	6			3	22 22 02				
28,6	22,2	4,4			2		22 22 28			
30	3,2	10			5	22 01 02				
30	8	10			5	23 00 23				
30	8	14			7	22 01 56				
30	9,5	10			6		22 01 78			
30	10	10			5	22 10 22				
30	12	9			2,5	22 12 22				
30	12	9			4,5	22 12 23				
30	13	9			4,5	22 13 07				
30	13	9			5		22 13 18			
30	13	10			6	22 13 08				
30	14	8			4	22 14 12				
30	15	8			4	22 15 08				
30	16	6			3	22 16 12				
30	16	7			3,5	22 16 13				
30	16	10			3,5	22 16 14				
30	16	10			5	22 16 15				
30	18	6			3	22 18 09				
30	18	8			4		1 03 57			
30	18	8			5	22 18 10				
30	18	10			5	22 18 11				
30	18	10			6		1 02 17			
30	20	5			2,5	22 20 06				
30	20	8			4	1 02 80	1 00 14			
30	20	10			5	22 20 08				
30	20	10			6		1 00 23			
30	22	3,7			1,8	1 00 22				
30	22	5			2,5	22 22 03				
30	22	7			4		1 02 21			
30	22	8			5		23 00 77			
30	22	10			5		1 22 29			
30	22	10			7		22 22 23			
30	22		10	8,5	6			22 30 37		
30	22,4	7			4,2	1 00 75				
30	24	4			2	22 24 01				
30,5	22	7			3,5	22 22 04				
31	15	6			3	22 15 09				
31	24	5			3,5	22 24 02				
31,8	25,4	6,4			3	22 25 22				
31,8	25,4	6,4			4,2		22 25 37			
32	10	10			5	1 01 47	1 01 03			
32	11	12			6	22 11 07				
32	12	12			6	22 12 24				
32	16	8			4	22 16 16				
32	16	11			5	22 16 17	22 16 37			
32	17	7			4		22 17 15			
32	17		10	9	6				23 32 60	
32	18	7			3,5	1 00 24				
32	20	6			3	22 20 09				
32	20	8			5		22 20 37			
32	22	8			5		1 02 22			
32	22		8	7,5	4				1 01 08	
32	22	10			6		22 22 25			

ACLATHAN®-Nutringdichtungen Kolbendichtungen

ACLATHAN®-U-Ring Seals Piston Seals

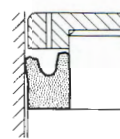
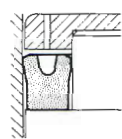
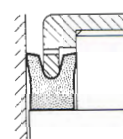
ACLATHAN®-Joints en U Joints de piston

Typ: U

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
32	22		10	9	6				23 32 61	
32	25	4			2	1 02 84				
32	26	5			2,5	22 26 01				
32	26		5	4	2,5			22 32 30		
33	13	10			5	22 13 09				
33	20		7	6	3			22 33 10		
33	20	8			4	22 20 10				
33	25	7			4		1 02 24			
33	25	10			7	22 25 02				
34	14	10			5	22 14 13				
34	15	10			5	22 15 10				
34	16	10			5	22 16 18				
34	17	10			5	22 17 02				
34	18	8			4	22 18 13				
34	18	8			4		1 02 00			
34	18	10			5	22 18 14				
34	19	10			5	22 19 05				
34	20	10			5	22 20 11				
34	21	10			5	22 21 01				
34	22	6			3	22 22 05				
34	22	10			5	22 22 06				
34	23	10			5	22 23 01				
34	24	5			2,5	22 24 03				
34	24	10			5	22 24 04	22 24 20			
34	28	7			3,5	22 28 01				
34	28	7,5			5	22 28 02				
35	13	15			10	22 13 10	22 13 19			
35	15	10			5	22 15 11				
35	16	9			4,5		22 16 36			
35	16	10			5	22 16 19				
35	16	14			7	22 16 20				
35	17	6			3	22 17 03				
35	17	6			3,5		22 17 13			
35	17	10			5	22 17 04				
35	18	8			4	22 18 15	23 00 62			
35	18	10			6		22 00 89			
35	18	9			4,5	22 18 16				
35	18	10			5	22 18 17				
35	19		12	10,5	7			22 35 32		
35	20	8			4	22 20 12				
35	20	10			5	22 20 13				
35	20	12			8,5		1 02 20			
35	22	5			2,5	1 02 81				
35	22	8			4	22 22 08				
35	22	10			5	22 22 09				
35	22	10			6		1 02 23			
35	23	10			6		22 23 07			
35	25	5			2,5	1 02 85				
35	25		6,5	5	3			22 35 34		
35	25	8			4	1 03 42	1 00 15			
35	25	8			5		22 25 27			
35	25	9			4,5	22 25 05				
35	25	10			6		1 00 81			
35	26	5			2,5	22 26 02				
35	26	5			3		22 26 13			
35	27		10	8,5	6			1 03 02		
36	12	12			6	22 12 26				
36	13	12			6	22 13 11				
36	13	12			8		22 13 20			
36	14	12			6	22 14 14				
36	16	10			5	22 16 21				
36	20	8			4	22 20 14				
36	20	10			5	22 20 15				
36	22	8			4	22 22 10				
36	24	6			3	22 24 05				
36	26	7			5		22 26 14			
36	27	6			3		1 01 26			
36	28	5			2,5		1 01 34			
37	16	8			4	22 16 23				
37	20	9			4,5	22 20 16				
37	21	12			7		1 03 52			
37	21		12	10,5	7			22 37 09		

ACLATHAN®-Nutringdichtungen **Kolbendichtungen**

ACLATHAN®-U-Ring Seals **Piston Seals**

ACLATHAN®-Joints en U **Joints de piston**

Dimension [mm]:

						Typ: U UN UA UNA				
Ø D	Ø d	h	h ₁	h ₂	s		Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
37	21	6	12	10,5	7			1 01 35		1 03 04
37	30	10			3,5					
38	18	15			5		22 18 19			
38	18	10			7,5		22 18 20			
38	19	9			5		22 19 06			
38	20	9			4,5		22 20 17			
38	20	8			5			22 20 39		
38	22	7			4		22 22 11			
38	25	10			3,5		22 25 06			
38	25	10			5,5		1 01 23			
38	26	6			6			22 25 29		
38	26	10			3		22 26 03			
38	26	10			5		22 26 04			
38	28	5	10	8	4				22 38 27	
38	28	8			2,5		22 28 03			
38	28	10			4		1 02 86			
38	28	10			5			22 28 28		
38	28	10			6		22 28 05			
38	30	5			6			1 02 27		
38	30	6			2,5		22 30 01			
38	30	7			3		22 30 02			
38	30	12	10	8,5	4			1 02 28		
38	30	7			6				22 38 28	
38	30	12			9		22 30 03	22 30 27		
38	31	7			4		22 31 01	22 31 06		
39	20	10			5		22 20 20			
39	20	10			6			22 20 40		
39	25	7			4			22 25 30		
40	12	10			5		1 02 76			
40	12	14			7		22 12 28			
40	14	14			7		22 14 15			
40	15	10			5		22 15 12			
40	16	8			4		22 16 24			
40	16	10			5		22 16 25			
40	16	12			6		22 16 26			
40	17	10			5		22 17 05			
40	17	12			6		22 17 06			
40	18	11			5,5		22 18 21			
40	18	11			7			22 18 30		
40	20	10			5		1 00 80			
40	20	12			8,5			1 01 45		
40	20	12,5	12	11	8				23 40 60	
40	20	14			5,5		22 20 22			
40	21	10			7		22 20 23			
40	22	6			5		22 21 02			
40	22	9			3		22 22 12			
40	22	10			4,5		22 22 13			
40	24	8			5		22 22 14			
40	24	9			4		1 02 82	1 01 50		
40	24	10			4,5		22 24 07			
40	24	12			6		22 24 08			
40	24	12			6		1 02 83			
40	25	6			7			22 24 21		
40	25	8			3		22 25 08			
40	25	10			4		22 25 09	22 25 31		
40	25	10			5		22 25 10			
40	25	11	10	9	6			1 01 05		
40	25,4	12			6				1 03 05	
40	27	8			7,5		22 25 11	22 25 33		
40	28	8			7		22 25 21			
40	28	9	8,5	7,5	4		22 27 01			
40	28	10			4		22 28 06			
40	28	10			5			22 40 41		
40	28,2	8			4,5		22 28 07			
40	30	5			5		22 28 08	22 28 29		
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40	30	10			4		22 28 19			
40	30	10			2,5		22 30 04			
40	30	10			5		22 30 05			
40	30	5	10	9	6			1 00 20		
40	32	5			6				23 40 62	
40					2,5		22 32 01			

ACLATHAN®-Nutringdichtungen Kolbendichtungen

ACLATHAN®-U-Ring Seals Piston Seals

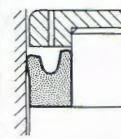
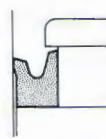
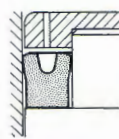
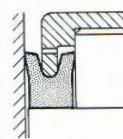
ACLATHAN®-Joints en U Joints de piston

Typ: U

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
40	32	7			4		1 01 52			
40	32	7			5	22 32 02				
40	32	8			4		1 00 41			
40	32	8			5		22 32 21			
40	32	10			7	22 32 03				
40	33		8	7,5	5			22 40 40		
41	24	10			5	22 24 10				
41,5	34,5		8	7	4,5			22 41 09		
42	12	8			4	22 12 31				
42	18	12			6	22 18 25				
42	20	11			5,5	22 20 24				
42	22	8			4	22 22 19				
42	22	10			5	22 22 15				
42	24	9			4,5	22 24 11				
42	25	9			4,5	22 25 12				
42	26	8			4	22 26 05				
42	28	7			3,5	22 28 09				
42	30	6			3	22 30 06				
42	30	9			4,5	22 30 07				
42	30	10			5	22 30 08				
42	30	10			6		1 00 17			
42	32	5			2,5	22 32 04		1 02 30		
42	32	10			6					
42	34	8			4	1 02 88				
42	35	8			4	1 02 89		22 35 22		
42	35		8	7	4,5			22 42 26		
42,9	30,2	6,4			4		22 30 33			
43	23	10			5	22 23 02				
43	24	10			5	22 24 12				
43	30	6,5			4		22 30 34			
43	30	8			4	22 30 09				
43	35	7			4		1 01 11			
43	36	10,5			8	22 36 01				
44	24	10			5	22 24 13				
44	28	8			4	22 28 10				
44	28	8			4		1 02 26			
44	28	11			5,5	22 28 11				
44	30	10			5	22 30 10				
44	32	6			3	22 32 05				
44	32	12			8	22 32 17				
44	34	5			2,5	22 34 02				
44	34	8			5	22 34 03				
44,5	31,8	9,5			5,5		1 01 96			
45	18	14			7	22 18 22				
45	20	12			6	22 20 25		22 20 42		
45	22	11			7,5	22 22 16				
45	25	10			5	22 25 13				
45	25	10			6		22 25 34			
45	25	15			7,5	22 25 14				
45	28	10			5	22 28 12				
45	29	15			7,5	22 29 01				
45	30	8			4	22 30 11				
45	30	10			5	22 30 12				
45	30	10			6		1 02 29			
45	30	13			8	22 30 13				
45	32	6,5			4	22 32 18				
45	32	10			5	22 32 06				
45	32	10			6		22 32 23			
45	35	5			2,5	22 35 02				
45	35	6			3	1 00 55				
45	35		7	6	3,5			22 45 34		
45	35	8			4		1 03 44			
45	35	8			5	22 35 04				
45	35	10			5	22 35 05		22 35 23		
45	35	10			6		1 00 27			
45	36	10			5	1 02 91				
45	36	10			6		22 36 16			
45	37		9	8	6			22 45 31		
45	37		10	8,5	6			22 45 32		
45	38	6			4		1 02 33			
45	40	4			2	22 40 01				
45,5	26		12	10	7			22 45 33		

ACLATHAN®-Nutringdichtungen
Kolbendichtungen

ACLATHAN®-U-Ring Seals
Piston Seals

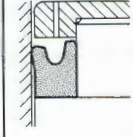
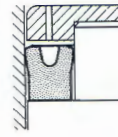
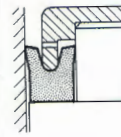
ACLATHAN®-Joints en U
Joints de piston

Typ: **U**

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
45,8	18,8	12			6	22 18 23				
46	22	12			6	22 22 17				
46	22	12			8		22 22 27			
46	25	10			5	22 25 15				
46	28	9			4,5	22 28 13				
46	28	10			5	22 28 14				
46	30	11			5,5	22 30 14				
46	34	8			4,5		1 00 51			
46	34	8			5		22 34 12			
46	35	8			4	22 35 06				
46	36	5			2,5	22 36 03				
46	36	10			6		22 36 17			
46	36	10			7	22 36 04				
46	38	12			6		22 38 18			
46	38	12			8	22 38 01				
47	25	12			6		22 25 36			
47	26	12			6	22 26 06				
47	26	12			7		1 02 25			
47	27	10			5	22 27 02				
47	31		12	10	5,5			1 01 57		
47	35	6			2,5	22 35 07				
47	37	10			6		23 00 75			
48	20	14			7	22 20 26				
48	22	13			6,5	22 22 20				
48	24	12			6	22 24 14				
48	25	12			6	22 25 16				
48	28	10			5	22 28 15				
48	30	10			5	22 30 22				
48	32	8			4	22 32 08				
48	32	11			5,5	22 32 10				
48	35	10			6,5	22 35 08				
48	35	10			6,5		1 03 66			
48	36	6			3	22 36 05				
48	38	5			2,5	22 38 02				
48	38	12			8	22 38 03				
48	40	5			2,5	22 40 02				
48	40	8			5		22 40 29			
50	14	10			5		1 02 77			
50	22	14			7	22 22 18				
50	24	12			6	1 01 31				
50	25	12			6	22 25 17				
50	25	12			7		22 25 35			
50	25	14			7	22 25 18				
50	26	12			6	22 26 07				
50	28	12			6	22 28 16				
50	30	10			5	22 30 15				
50	30	10			5		1 01 95			
50	30	12			6	22 30 16				
50	30	12			7		22 30 31			
50	30		12	11	8				23 05 60	
50	32	9			4,5	22 32 11				
50	32	12			7,5		22 32 24			
50	33	13,5			8		22 33 07			
50	34	7			3	22 34 04				
50	35	8			4	22 35 09				
50	35	10			5	22 35 10				
50	35	10			6		1 02 31			
50	35		10	9	6				23 05 61	
50	36	7			3,5	22 36 06				
50	38	6			3	22 38 04				
50	38	6			4		1 02 34			
50	38	8			4	22 38 05				
50	38	9			6	22 38 06				
50	38	10			6		22 38 20			
50	40	5			2,5	22 40 03				
50	40	6			3	1 02 92				
50	40	8			5	1 02 93				
50	40	10			5	22 40 06				
50	40	10			6		1 00 18			
50	40		10	9	6				1 01 80	
50	42	5			2,5	22 42 01				
50	42		7,8	7	4,5			22 45 35		

ACLATHAN®-Nutringdichtungen
Kolbendichtungen

ACLATHAN®-U-Ring Seals
Piston Seals

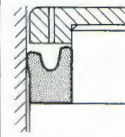
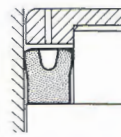
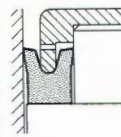
ACLATHAN®-Joints en U
Joints de piston

Typ: **U**

UN

UA

UNA



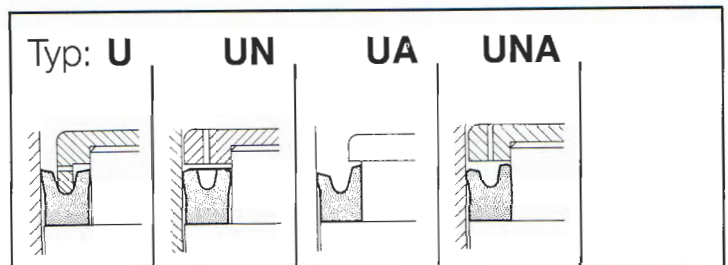
Dimension [mm]:

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50	42	8			5	22 42 02	1 02 37			
50	42		8	7	4,5			22 95 22		
50	42	10			4,6	22 42 03				
50	42	10			6		22 42 21			
50	42		10	8,5	6			22 95 23	1 00 86	
50,2	25	11			5,5	22 25 19				
50,4	38	8,7			6,4	22 38 07				
50,8	30	9			6	22 30 17				
50,8	39	9			6	22 39 01				
51	35	8			4	22 35 11				
52	28	12			6	22 28 17				
52	30	11			6		22 30 32			
52	32	10			5	22 32 12	22 32 25			
52	33	10			5	22 33 01				
52	36	10			5	22 36 07				
52	42	10			5	22 42 04				
52	42	10			6	22 42 05				
52	42	10			6		22 42 22			
52	45	13,5			10,5	22 45 01				
53	45		10	8,5	6			22 95 24		
53	45	12			6		22 45 20			
54	34	10			5	22 34 05				
54	40	10			5	22 40 07				
54	44	6			3	22 44 01				
54	44,5	6,4			3,2		22 44 13			
54	46	6,5			3,5		22 46 06			
54	46		8	7	3,5			22 95 25		
55	25	14			7	22 25 20				
55	28	14			7	22 28 18				
55	30	12			6	22 30 18				
55	33	12			6		22 33 06			
55	35	10			5	1 02 90				
55	35	12			6	22 35 13				
55	35	12			7		1 02 32			
55	36	10			5	22 36 08				
55	36	10			6		22 36 18			
55	38	10			6	22 38 08				
55	38	10			6		1 02 35			
55	38	12			8		22 38 22			
55	40	8			4	22 40 08				
55	40	9,5			5	22 40 09				
55	40	10			5		1 01 76			
55	45	6			3	1 01 25				
55	45	10			5	22 45 03				
55	45	10			6		1 00 70			
55	47		8	7	4			22 95 26		
55,7	44,8	9,5			6	22 44 07				
56	26	14			7	22 26 08				
56	26	14			8		22 26 16			
56	32	12			6	22 32 13				
56	35	14			7	22 35 14				
56	36	10			5	22 36 09				
56	38	10			5	22 38 09				
56	40	8			4	22 40 10	22 40 32			
56	40	10			5	22 40 11	22 40 33			
56	42	7			3,5	22 42 07				
56,8	41,2	11			5,5	22 41 01				
57	50	10			6	22 05 01	22 05 86			
58	32	13			6,5		22 32 26			
58	38	10			5	22 38 10				
58	38	12			6	22 38 11				
58	44	7			3,5	22 44 02				
58	45	7			3,5	22 45 04				
58	45	12			7		22 45 22			
58	48	6			3	22 48 01				
58	48	10			6		1 02 40			
58	50	8			5,5	22 05 02				
59,5	48	5,5			2,2	22 48 02				
59,5	50	4,5			2	22 05 03				
60	30	10			5	22 30 19				
60	30	13			6,5	22 30 20				
60	32	14			7	22 32 14				

ACLATHAN®-Nutringdichtungen
Kolbendichtungen

ACLATHAN®-U-Ring Seals
Piston Seals

ACLATHAN®-Joints en U
Joints de piston



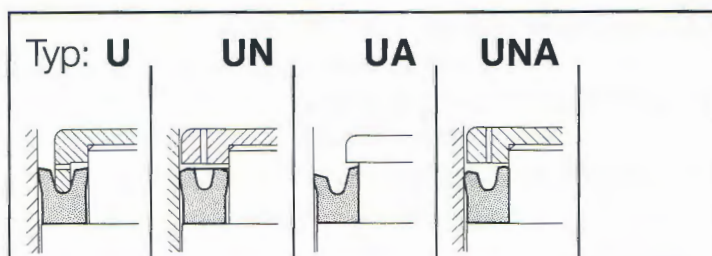
Dimension [mm]:

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60	35	12			6	22 35 15				
60	36	12			6	22 36 10				
60	38	12			6		22 38 23			
60	40	10			5	22 40 13	22 40 34			
60	40	10			6	1 01 15	1 00 94			
60	40	12			6	22 40 14				
60	40	12			7		22 40 35			
60	40	13			8	22 40 15				
60	40	16			11	22 40 16				
60	40	18			12	1 02 94	1 02 36			
60	42	10			5	22 42 16				
60	44	8			4	22 44 03				
60	45	10			5	22 45 05				
60	45	10			6		1 00 34			
60	45	10,5			6,5	22 45 06				
60	48	6			3	22 48 03				
60	48	8			4	22 48 04				
60	50	5			2,5		1 02 41			
60	50	6			3	22 05 04				
60	50	10			5	22 05 05				
60	50	10			6		1 00 30			
60	50	12	10	9	6				1 03 07	
60	50	12			8		22 05 88			
60	50	13			8		1 02 42			
60	50	10			6	22 05 06	1 00 30			
60	50	15	10,3	9	6			22 96 02		
60	50	15			9,5	22 05 07				
60	52	8	8	7	4			1 03 03	1 00 53	
60	54	8			5	22 05 46				
60,3	47,6		6,3	5,3	3,5			22 96 04		
60,5	51	9			5		22 95 03			
60,5	53,5	8			5	22 05 82				
61	50	15			9,5	22 05 08				
61,9	49	6,4			3,4	22 49 02				
62	32	14			7	22 32 15				
62	38	12			6	22 38 12				
62	42	10			5	22 42 08				
62	42	12			6	22 42 09				
62	42	12			7		1 02 38			
62	42	18			12	22 42 10	22 42 23			
62	47	12			7,5		1 02 39			
62	50	9			5		1 00 35			
62	50	9			6	22 05 09	22 05 89			
62	52	6			3	22 05 34				
62	52	12			8		22 95 04			
62,8	50	6			3	22 05 10				
63	17	15			7,5	22 17 07				
63	17	15			10		1 01 13			
63	43		12	11	8				23 06 60	
63	45	9			4,5	22 45 07				
63	45	9			5		22 45 24			
63	45	10			5	22 45 08				
63	45	12			7		22 45 25			
63	48	10			5		22 48 16			
63	48		12	11	8				23 06 61	
63	50	6			3		1 00 39			
63	50	10			6		22 05 91			
63	51	6			3	22 05 32				
63	53		12	11	8				1 03 08	
63,5	50,8	9,5			5,5		1 00 06			
64	40	10			5	22 40 18				
64	40	12			6	22 40 19				
64	40	12			7		22 40 36			
64	44	10			5		22 44 12			
64	52	8			4	22 05 35				
64	52	9			5	22 05 36				
64	54	6			3	22 06 47				
64	54		13,5	12	9			22 96 05		
65	35	12			6	22 35 16				
65	38	14			7	22 38 13				
65	40	10			5	22 40 20				

ACLATHAN®-Nutringdichtungen
Kolbendichtungen

ACLATHAN®-U-Ring Seals
Piston Seals

ACLATHAN®-Joints en U
Joints de piston



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
65	40	10			6		1 03 56			
65	40	12			8		1 01 77			
65	40	12,5			6	22 40 21				
65	40	13			6,5	22 40 22				
65	42	12			7	22 42 11				
65	44	15			7,5	22 44 04				
65	45	10			5	22 45 09				
65	45	12			3	22 45 10				
65	45	12			6	22 45 11				
65	45	12			7		22 45 26			
65	48	9			4,5	22 48 05				
65	48	10			6		1 00 83			
65	49	10			5	22 49 01				
65	50	8			4	22 05 11				
65	50	10			5	22 05 12	22 05 92			
65	50	10			6		1 00 31			
65	52	8			4	22 05 37				
65	55	5			2,5	22 05 52				
65	55	6			3	22 05 53				
65	55	10			6,5		1 00 72			
65	55	12			6	22 05 55				
65	55	12			7		1 00 45			
65	55	12			8		22 95 09			
65	55		13,5	12	9			22 96 06		
66	36	15			7,5	22 36 11				
66	50	12			5	22 05 13				
66	50,8	10			5	22 05 31				
66	54	13			6,5	22 05 48				
66	55	10			5	22 05 56				
66,7	47	10			5		22 47 05			
66,7	54	6,4			2,8	22 05 49				
67	44	12			6	22 44 05				
67	54	10			5	22 05 50				
68	32	15			7,5	22 32 16				
68	48	10			5	22 48 06				
68	50	9			5	22 05 14				
68	50		9	8	4,5			22 96 07		
68	50		9	8	5			22 96 08		
68	51	10			4,5	22 05 33				
68	52	8			4	22 05 38				
68	52	8			5		22 95 05			
68	55	7,5			3,7		22 95 10			
68	60	8			5,5	22 06 01	1 00 62			
68	60	25			21	22 06 02				
69	61	6,5			3,5		22 06 78			
70	30	15			7,5	22 30 21				
70	35	15			7,5	22 35 17				
70	40		15	7	6			22 07 74		
70	40	15			7,5	22 40 23				
70	42	14			7	22 42 13				
70	44	13			6,5	22 44 06				
70	45	12			6	22 45 12				
70	46	12			6	22 46 01				
70	48	11			5,5	22 48 07				
70	50	10			5	1 02 95	22 05 94			
70	50	10			6		1 00 42			
70	50	12			6	22 05 16				
70	50	12			7		1 02 43			
70	50		15	12,5	8			22 07 75		
70	50	18			12	1 02 96	1 01 43			
70	52	9			4,5	22 05 39				
70	52	9			6	22 05 40				
70	55	7,5			3,7	22 05 57				
70	55	8			4	22 05 58				
70	55	10			5	22 05 59				
70	55	12			7	22 05 60				
70	55	12			8		22 95 11			
70	56	7			3,5	22 05 70				
70	56	12			8		22 95 18			
70	58	6			3	22 05 76				
70	58		8,5	7,5	5			22 07 83		
70	60	5			2,5		1 02 45			

ACLATHAN®-Nutringdichtungen
Kolbendichtungen

ACLATHAN®-U-Ring Seals
Piston Seals

ACLATHAN®-Joints en U
Joints de piston

Dimension [mm]:

						Typ: U	UN	UA	UNA	
Ø D	Ø d	h	h ₁	h ₂	s		Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
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70	60	10			6			1 02 46		
70	60	12			6		22 06 04			
70	60	12			8			1 00 40		
70	60		12	11	8				1 01 37	
70	60	13			8			1 02 47		
70	60		13,5	12	9				22 07 76	
70	61		7,8	7	4				22 07 77	
70	62		8	7	3				22 07 79	
70,5	57,3		12	10,5	7				22 07 84	
71	63	6			3		22 06 35			
71,6	59	13			7		22 05 81			
72	42	15			7,5		22 42 14			
72	48	12			6		22 48 08			
72	50	12			6		22 05 18	22 05 97		
72	52	10			5		22 05 41			
72	52	14			7		22 05 42			
72	54	10			5		22 05 51			
72	54	10			6			22 95 07		
72	58		12	11	8				1 03 60	
72	60	6			3		22 06 64			
72	60	15			10		22 06 65			
72	62	12,5			8			22 06 79		
72	65	8			5		22 06 67			
73	48	12			6		22 48 09			
73	50	13			7,5		22 05 19			
73	50	13			8			22 05 98		
73	55	10			5		22 05 83			
73	56	10			5		22 05 71			
73	60	13			7,5		22 06 05			
73	65	12			9			22 06 86		
73,5	63,5	9			5			22 06 82		
73,6	61	13			7		22 06 27			
74	42,6	12			6		22 42 15			
74	50	12			6		22 05 20			
74	60	7			3,5		22 06 06			
74	60	12			6		22 06 07			
74	62	13			6,5		22 06 28			
75	40	16			8		22 40 24			
75	45	15			7,5		22 45 13	22 45 27		
75	50	10			5		22 05 21			
75	50	12			6		22 05 22	22 05 99		
75	50	12,5			6,3		22 05 24			
75	55	10			5		22 05 61	1 03 20		
75	55	10			6			22 95 12		
75	55	12			7		22 05 62			
75	55	12			7			1 03 21		
75	55	16			8		22 05 63			
75	55	18			12		22 05 64			
75	60	10			4		1 03 49			
75	60	12			6		1 02 98			
75	60	12			7			1 00 36		
75	60	12			8		22 06 09			
75	63	12			8			22 06 80		
75	65		8	7	3,5				22 07 80	
75	65	12			6		22 06 40			
75	65	12			8			1 02 49		
75	65		13	12	9				22 07 81	
76	50	12			6		22 05 25			
76	50	12			7			22 95 01		
76	55	10			6		1 02 97	22 95 14		
76	56	10			5		22 05 72			
76	60	14			10		22 06 10			
76	64	9			6			22 06 84		
76	66	5			2,5		22 06 53			
76	68	6,5			3,5			22 06 96		
76,2	60,3	9,5			5		22 06 26			
76,2	60,7	9,5			5,5			22 06 77		
76,2	63,5	9,5			5,5			1 00 07		
77	67	12			8			1 01 36		
78	52	13			6,5		22 05 43			
78	55		15	11	6				22 07 82	

ACLATHAN®-Nutringdichtungen
Kolbendichtungen

ACLATHAN®-U-Ring Seals
Piston Seals

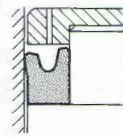
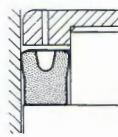
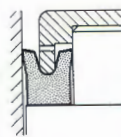
ACLATHAN®-Joints en U
Joints de piston

Typ: U

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s		Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
78	58	10			5		22 05 77				
78	60	10			6		22 06 11				
78	62	8			4		22 06 29				
78	63	10			6			1 02 48			
78	68	10			6		22 06 69				
80	45	16			8		22 45 14				
80	50	10			5		22 05 26				
80	50	15			7,5		22 05 27				
80	50	18			12		22 05 28				
80	52	15			7,5		22 05 44				
80	52	15			8			22 95 06			
80	55	10			6			22 95 15			
80	55	12			6		22 05 66				
80	55	12			7			1 00 03			
80	55	18			12			22 95 17			
80	56	12			6		22 05 67				
80	58	12			6		22 05 73				
80	58	12			6		22 05 78				
80	60	10			5		22 06 12		1 99 98		
80	60	10			6			22 06 73			
80	60	12			6		1 03 58				
80	60	12			7		22 06 13		1 00 76		
80	60		12	11	8					23 08 60	
80	60	18			6		22 06 14				
80	60	18			12		1 01 22		1 01 42		
80	62	10			5		22 06 30				
80	64	8			4		22 06 37				
80	64	8			5			22 06 85			
80	65	8			4		22 06 41				
80	65	10			5		22 06 42				
80	65	12			8		22 06 43		1 02 50		
80	65		12	11	8					23 08 61	
80	66	8			4		22 06 54				
80	67	12			8			22 06 95			
80	70	5			2,5		22 07 01				
80	70	5			3			1 03 36			
80	70	6			4			1 01 33			
80	70	12			6		22 07 02				
80	70	12			8			1 00 73			
80	70		12	11	8					23 08 62	
80	72		12	10,5	7,5				22 08 81		
80	72		12	10,5	8,3				22 08 82		
80	74	8			5,5		22 07 22				
81	70	15			9,5			22 07 56			
81,6	69	13			7		22 06 61				
82	58	12			6		22 05 79				
82	62	10			5		22 06 31				
82	63	10			5		22 06 36				
82	65	12			7			22 06 89			
82	70	8			4		22 07 03				
82	70	10			6			1 01 54			
82	72		12	10	7,5				22 08 80		
82,55	38,1	19,2			12,2			1 01 53			
82,6	63,5	9,5			4,8			22 06 83			
82,6	69,9	7,2			4			22 06 99			
83	63	15			10			22 06 81			
83	70	7,3			4		22 07 04				
83	75	25			21		22 07 27				
83,5	70	7,3			4		22 07 05				
83,6	74	6,7			3,5		22 07 23				
84	70	7,3			4		22 07 06				
84	72	8			4		22 07 16				
84	76	6,5			3,5			22 07 69			
85	45	18			9		22 45 15				
85	55	15			7,5		22 05 68				
85	60	10			5		22 06 16				
85	60	12			6		22 06 17		22 06 75		
85	60	13			6,5		22 06 18				
85	65	10			5		22 06 44		22 06 90		
85	65	10			6			1 03 23			
85	65	12			6		22 06 68				
85	65	12			7			22 06 91			
85	65	14			7		22 06 45				

ACLATHAN®-Nutringdichtungen **Kolbendichtungen**

ACLATHAN®-U-Ring Seals **Piston Seals**

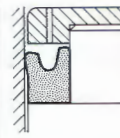
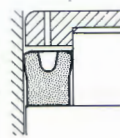
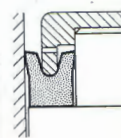
ACLATHAN®-Joints en U **Joints de piston**

Typ: **U**

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
85	68	10			6	22 06 56				
85	70	8			4	22 07 07	22 07 57			
85	70	10,5			6		22 07 58			
85	70	12			6	22 07 08				
85	70	12			7		1 02 51			
85	70		12	10,5	6,5			22 08 77		
85	70		12	10,5	7,5				23 08 63	
85	75	12			6	22 07 28				
85	75	12			8	22 07 29	1 02 53			
85	75		13,5	12	9			22 08 78		
85,7	73	9			5	22 07 20				
85,7	73		9,5	8,5	5			22 08 79		
86	56	15			7,5	22 05 74				
86	62	12			6	22 06 32				
86	65	12			7		22 06 92			
86	74	8			4	22 07 24				
86	78	12			8	22 07 46				
87	77	12			8		23 00 74			
88	58	15			7,5	22 05 80				
88,9	69,8	9,5			6,5		22 06 97			
88,9	69,9	11,1			6	22 06 63				
88,9	76,2	9,5			5,5		1 00 08			
88,9	79,4		9,5	8,5	5,5				23 08 64	
89	73	8			4	22 07 21				
89	77	13			6,5	22 07 43				
89	79,5	9,5			5,5		22 07 70			
89,6	77	13			7	22 07 44				
90	50	15			7,5	22 05 29				
90	50	18			12	22 05 30	22 95 02			
90	55	18			9	22 05 69				
90	56	16			8	22 05 75				
90	60	10			5	22 06 19				
90	60	15			7,5	22 06 20	22 06 76			
90	60	18			12	22 06 21				
90	64	13			6,5	22 06 39				
90	65	12			6	22 06 46				
90	65	18			12	22 06 47				
90	68	12			6	22 06 57				
90	70	10			5	22 07 09				
90	70	12			6	22 07 10	22 07 60			
90	70	12			7		1 01 12			
90	70	18			12	1 02 99	1 02 52			
90	70		18	16,5	11			22 09 62		
90	72	12			6	22 07 17				
90	72	12			7		22 07 63			
90	75	7,5			3,7	1 03 00	1 00 59			
90	75	8			4	22 07 31				
90	75	12			6		22 07 65			
90	75	12			7		1 00 69			
90	75	12			8	22 07 32				
90	80	5			2,5		1 01 55			
90	80	5			3	22 08 54				
90	80	10			5	22 08 01				
90	80	10			6		1 02 54			
90	80	11			5,5	22 08 02				
90	80	12			6	22 08 03				
90	80	12			8		1 00 74			
90	80		13,5	12	9			22 09 63		1 00 29
90	82		13,5	12	9			22 09 64		
92	62	15			7,5	22 06 33				
92	68	12			6	22 06 58				
92	72	10			5	22 07 18				
92	78	8			4	22 07 53				
92	80	9,5			4,5	22 08 04				
92	82	10			5		22 08 63			
92,4	77,4	12			6	22 07 45				
92,4	82	10			7,5	22 08 25				
92,4	82	12			5,5	22 08 26				
93,6	81	13			7	22 08 24				
94	60	18			12	22 06 22				
94	74	10			5	22 07 25				
94	80	8			4	22 08 05				

ACLATHAN®-Nuttingdichtungen Kolbendichtungen

ACLATHAN®-U-Ring Seals Piston Seals

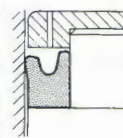
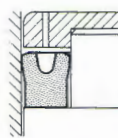
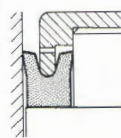
ACLATHAN®-Joints en U Joints de piston

Typ: U

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
95	60	18			9	22 06 23				
95	65	12			8	22 06 48				
95	65	15			7,5	22 06 49				
95	70	10			5	22 07 11				
95	70	12			6	22 07 12				
95	75	10			5	22 07 33				
95	75	12			6		22 07 67			
95	75	12			7		1 00 77			
95	75	13			6,5	22 07 34				
95	75	18			12	22 07 35				
95	78	17			10	22 07 47				
95	80	12			8	22 08 06	1 02 55			
95	85		8	7	3,5			22 09 65		
95	85	12			8	22 08 33	22 08 65			
95	85		13,5	12	9			22 09 66		
96	52	22			11	22 05 45				
96	66	15			7,5	22 06 55				
96	72	12			6	22 07 19				
96	76	10			5	22 07 41				
96	78	10			5	22 07 48				
96	82	8			4	22 08 27				
96	88	6,5			3,5		22 08 71			
98	68	15			7,5	22 06 59				
98	83		12	10	7			22 09 67		
98	84		12	10,5	7			22 09 68		
98	90	12			9		22 09 41			
99	91	6,5			3,5		22 09 48			
100	60	20			10	22 06 24				
100	65	18			9	22 06 50				
100	68	16			8	22 06 60				
100	70	10			5	22 07 13				
100	70	15			7,5	22 07 14				
100	75	15			7,5	22 07 36				
100	75	15			8		22 07 68			
100	75	22			15	22 07 37				
100	76	22			15	22 07 52				
100	80	10			5	22 08 07	1 99 92			
100	80	12			6		22 08 60			
100	80	12			7		1 02 56			
100	80	12			7,5		22 08 72			
100	80		12	11	8			23 50 60		
100	80	18			9	22 08 08				
100	80	18			12	1 00 33				
100	82	9			4,5	22 08 56				
100	85	8			4	22 08 34				
100	85	12			6	22 08 35				
100	85	12			7	22 08 36	1 00 37			
100	85		12	11	8			23 50 61		
100	85	13			6,5	22 08 37				
100	85	25			18		22 08 67			
100	88	8			4	22 08 50				
100	89	12			7	22 08 58	22 08 76			
100	90		10,5	9	6,5			22 50 46		
100	90		10,5	9	7			22 50 47		
100	90		10,5	9	7			23 50 63		
100	90	12			6	22 09 01	1 03 33			
100	90	12			8		22 09 42			
100	90		14	12,5	7			22 50 48		
100	90	15			10		22 09 43			
101,2	84,5		10	8,5	6			22 50 49		
101,6	80	12			6		1 00 04			
101,6	82,5	9,5			5	22 08 31				
101,6	82,5	9,5			5,5		22 08 64			
102	78	12			6	22 07 49				
102	82	10			5	22 08 28				
102	85		16	14	8,5			22 50 50		
102	86	10			5	22 08 48				
102	92,4	9,5			5,5		22 09 49			
104	74	15			7,5	22 07 26				
104	78	12,5			7,5		22 07 71			
104	80	12			6	22 08 10				
104	82	12,5			7,5		22 08 73			

ACLATHAN®-Nutringdichtungen Kolbendichtungen

ACLATHAN®-U-Ring Seals Piston Seals

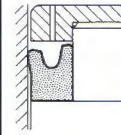
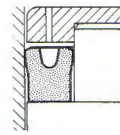
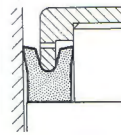
ACLATHAN®-Joints en U Joints de piston

Typ: U

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
104	96	11,5			7		22 09 56			
104,6	89,4		8	6,8	4			22 50 51		
105	60	23			1,5	22 06 25				
105	62	20			10	22 06 34				
105	65	20			10	22 06 51				
105	70	15			7,5	22 07 15				
105	70	15			9		22 07 62			
105	75	15			7,5	22 07 38				
105	80	10			5	22 08 11				
105	80	12			6	22 08 12				
105	80	15,5			8,5	22 08 13				
105	80	15,5			8,8	22 08 14				
105	80	22			15	22 08 15				
105	85	10			5	22 08 38	1 03 65			
105	85	10			6		22 08 68			
105	85	12			6	22 08 39				
105	85	12			7		1 02 57			
105	85	14			7	22 08 40				
105	85	18			12	1 03 01	22 08 74			
105	90	12			7		1 00 60			
105	95	11			7		22 09 51			
105	95	12			6	22 09 21				
105	95	12			8		1 02 03			
105	95		12	11	7,5			22 50 52	1 01 14	
105	95		15	13,5	11			22 50 53		
105	96	11			6	22 09 30				
105	96	11			6,5		1 03 22			
105	97	8			4,5	22 09 31				
105	98		8	7	4,3			22 50 54		
105,6	93	13			7	22 09 17				
106	65	25			15	22 06 52				
106	65	25			18		22 06 93			
106	76	15			7,5	22 07 42				
106	86	10			5	22 08 49				
106	86	10			6		22 08 70			
108	80	15			9	22 08 55				
108	84	12			6	22 08 32				
108	88	10			5	22 08 51				
108	88	12			7		22 08 75			
108	92	10			5	22 09 14				
108	98	10			5		22 09 58			
109	38	15			8	22 38 14				
109	42	15			8	22 42 17				
109	48	15			8	22 48 10				
109	60	15			8	22 06 66				
110	75	18			9	22 07 39				
110	80	12			6	22 08 16				
110	80	15			9	22 08 17				
110	80	16			8	22 08 18				
110	80	18			12	22 08 19				
110	80	22			15		23 00 92			
110	80	25			18	22 08 20				
110	85	12			6	22 08 42				
110	85	13			6,5	22 08 43				
110	85	15			7,5	22 08 57				
110	88	11			5,5	22 08 52				
110	90	10			5	22 09 02				
110	90	12			6	22 09 03	22 09 45			
110	90	16			8	22 09 04				
110	90	18			12	22 09 05	22 09 46			
110	93		16	14	7			22 51 43		
110	95	8			4	1 03 37				
110	95	12			6	22 09 23				
110	95	12			8	22 09 24				
110	95	12			8		1 00 21			
110	95		12	10,5	6			22 51 44		
110	100		10,5	9	6,5			22 51 45		
110	100		13,5	12	9			22 51 46		
112	80	16			8	22 08 21				
112	82	15			7,5	22 08 29				
112	98	8			4	22 09 32				
114	94	10			5	22 09 18				

ACLATHAN®-Nutringdichtungen
Kolbendichtungen

ACLATHAN®-U-Ring Seals
Piston Seals

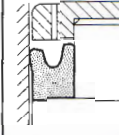
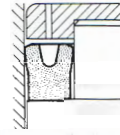
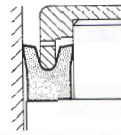
ACLATHAN®-Joints en U
Joints de piston

Typ: **U**

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
114	100	8			4	22 50 01				
114,3	95,25	9,5			3,5	22 00 52				
114,3	101,6	9,5			5,5		1 01 98			
115	75	20			10	22 07 40				
115	85	14			7	22 08 44				
115	85	15			7,5	22 08 45				
115	90	12			6	22 09 06				
115	90	15			9	22 09 07	22 09 47			
115	90	18			12	22 09 08				
115	90	22			15	22 09 09				
115	95	10			5	22 09 25				
115	95	12			6		22 09 54			
115	95	12			7,5		1 00 05			
115	95	18			12	22 09 26				
115	110	12			7	22 50 02	1 02 58			
115	100	14			10		22 50 32			
115	105		13,5	12	9			22 51 47		
115	107	6,5			3,5		22 50 42			
116	82	18			9	22 08 30				
116	92	12			6	22 09 15				
116,6	104	13			7	22 50 15				
117	105	13			6,5	22 50 16				
117,5	100	12			7		22 50 43			
118	69,4	15			7,5	22 06 62				
118	78	20			10	22 07 50				
118	92	23			17	22 09 16				
118	98	10			5	22 09 33				
120	80	20			10	22 08 22				
120	85	18			9	22 08 46				
120	90	22			15		23 00 93			
120	90	15			7,5	22 09 10				
120	94	13			6,5	22 09 19				
120	95	12			6	22 09 27				
120	98	13			6,5	22 09 34				
120	100	10			5	22 50 03				
120	100	12			6	22 50 04				
120	100	12			7		1 00 82			
120	100	13			6,5	22 50 05				
120	100		13	12	8			22 52 36		
120	100	15			9		1 99 97			
120	100	15			10		22 50 34			
120	100	18			12	1 00 90	1 02 59			
120	103		16	14	8,5			22 52 37		
120	105	15			8		22 50 40			
120	105	8			4	22 50 17				
120	105	15			7,5	22 50 18				
120	105	15			7,5		1 02 60			
120	105	15			8		22 50 40			
120	105	15			10		22 50 39			
120	110		13,5	12	9			22 52 38		
121,6	109	13			7	22 50 26				
124	94	15			7,5	22 09 20				
124	110	8			4	22 51 25				
124	114	10			5		22 51 32			
125	80	25			12,5	22 08 23				
125	85	20			10	22 08 47				
125	89	18			9	22 08 59				
125	90	18			9	22 09 11				
125	95	7,5			15	22 09 28				
125	95		18	17	12			23 52 60		
125	95	24			12	22 09 29				
125	100	12			6	22 50 07				
125	100	15			7,5	22 50 08	22 50 35			
125	100	22			15	22 50 09				
125	105	10			5	22 50 19				
125	105	15			7,5	22 50 20				
125	105	15			10		1 02 61			
125	105		15	14	10			23 52 61		
125	110	9			4,5	22 51 01				
125	110	12			8		1 00 61			
125	110	15			8	22 51 02	22 51 29			
125	110	15			10		1 02 62			

ACLATHAN®-Nuttingdichtungen Kolbendichtungen

ACLATHAN®-U-Ring Seals Piston Seals

ACLATHAN®-Joints en U Joints de piston

Dimension [mm]:

						Typ: U	UN	UA	UNA	
Ø D	Ø d	h	h ₁	h ₂	s		Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
125	115		14	12,5	7					23 52 63
125	115		14	12,5	7,5					
125	115	15			10	22 51 15		22 52 39		
125	115	15			11		22 51 33			
126	115	15			9,5	22 51 16				
126	115	15			11		22 51 34			
127	106	8			4	22 50 24				
127	108	9,5			5,5		22 50 44			
127	108		12,7	11,7	6,7					23 52 62
127	114,3	9,5			5,5		1 01 97			
127	115	12			6	22 51 17				
128	88	22			11	22 08 53				
128	90	20			10	22 09 12				
128	118		15	13,5	11			22 52 40		
128,5	115	13,8			6,9	22 51 18				
129	115	13			8		22 51 40			
129	121	13			7	22 52 08				
130	90	22			11	22 09 13				
130	98	16			8	22 09 36				
130	100	15			7,5	22 50 10				
130	110	18			12		22 50 36			
130	105	12			6	22 50 21				
130	110	10			5	22 51 03				
130	110	13			6,5	22 51 04				
130	110	15			10	22 51 05	22 51 31			
130	110	18			12	22 51 06				
130	110	22			15	22 51 07				
130	115	15			10		22 51 35			
130	118	6			3	22 51 24				
130	120	5			2,5		1 02 63			
130	120		13,5	12	9			22 53 28		
132	108	13			6,5	22 50 25				
132	112	13			6,5	22 51 14				
133,6	121	13			7	22 52 09				
134	115	10			5	22 51 19				
134	126	6,5			3,5		22 52 30			
135	100	18			9	22 50 11				
135	105	15			7,5	22 50 22				
135	110	13			6,5	22 51 08				
135	115	15			8		22 51 36			
135	115	15			10		22 51 37			
135	120	15			10		22 52 22			
135	125		13,5	12	9			22 53 29		
138,4	119		15	13	10			22 53 30		
140	100	20			10	22 50 12				
140	100	30			15	22 50 13				
140	105	18			9	22 50 23				
140	110	15			7,5	22 51 09				
140	115	12			6	22 51 20				
140	115	15			9		22 51 38			
140	120	10			5	22 52 01				
140	120	10			6		1 02 64			
140	120	12			7		22 52 23			
140	120	15			7,5	22 52 02				
140	120	15			8		22 52 24			
140	120	18			10	22 52 03				
140	120	18			12	22 52 04				
140	128		15,5	14	10			22 54 25		
142	110	16			8	22 51 10				
142	127	12			7		22 52 32			
144	118		16	14	8			22 54 26		
144	132	12			6		22 53 19			
145	110	18			12	22 51 11				
145	115	15			7,5	22 51 21				
145	120	12			6	22 52 05				
145	125	10			5	22 52 10				
145	125	12			7		22 52 34			
145	125	15			9	22 52 11				
145	125	15			10		22 52 26			
145	125	18			12	22 52 12				
145	130	15			10		22 53 17			
145	133	12			7	22 53 06				

ACLATHAN®-Nuttingdichtungen
Kolbendichtungen

ACLATHAN®-U-Ring Seals
Piston Seals

ACLATHAN®-Joints en U
Joints de piston

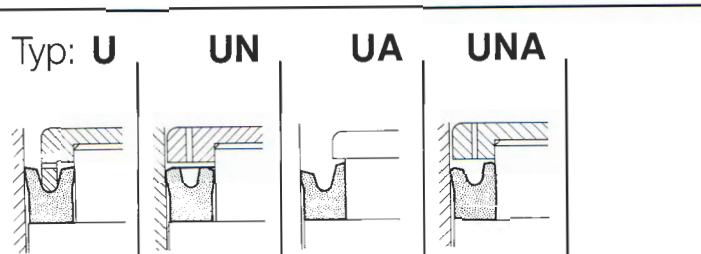
Dimension [mm]:

						Typ: U	UN	UA	UNA		
Ø D	Ø d	h	h ₁	h ₂	s		Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
145	134		15	14	10				22 54 27		
146	114	15			8		22 51 26				
146	126,2	15,9			10			22 52 31			
147	125	12			7			22 52 33			
149	133	11			7			22 53 20			
150	110	20			10		22 51 12				
150	115	17			8,5		22 51 22				
150	120	15			7,5		22 52 06				
150	125	12			6		22 52 13				
150	125	18			11			22 52 28			
150	130	10			5		22 53 01				
150	130		12	11	7,5				22 55 24		
150	130	15			10		22 53 02	1 02 65			
150	135	15			10			22 53 21			
150	140	10			5		22 54 01				
150	140		14	12,5	7				22 55 22		
150	141		14	12	9,8				22 55 23		
150,5	135	16,8			8,4		22 53 07				
152	138	12			6		22 53 10				
152,3	133,1		13	12	9					23 00 37	
152,4	139,7	9,53			5,5			1 01 69			
154	130	12			6		22 53 13				
154	140	10			5		22 54 02				
155	115	20			10		22 51 23				
155	115	20			10			22 51 39			
155	125	15			7,5		22 52 14				
155	125	18			12			22 52 29			
155	125	26			17,5		22 52 15				
155	135	15			7,5		22 53 08				
155	135	15			10			22 53 22			
155	140	12			7		22 54 03				
157	130	15			9			22 53 26			
158	128	16			8		22 52 18				
160	110	25			12,5		22 51 13				
160	120	20			10		22 52 07				
160	130	15			7,5		22 53 03				
160	130		18	17	12				23 56 60		
160	135	18			12			22 53 23			
160	135	22			15		22 53 09				
160	138	22			15			22 53 24			
160	140	6			3			22 54 22			
160	140	10			5		22 54 04				
160	140	12			7			1 03 71			
160	140	15			10			1 02 66			
160	140		15	14	10				23 56 61		
160	140	16			8		22 54 05				
160	140	25			18		22 54 06				
160	147	12			6		22 54 13				
160	147		14	12	7				22 56 27		
160	148		14	15,5	10,5					23 56 62	
160	148		15,5	14	10,2				22 56 23		
161	149		15	14	10				22 56 24		
165	125	20			10		22 52 16				
165	125	25			16		22 52 17				
165	140	18			11			22 54 19			
165	140		18	17	11				23 00 31		
165	140	18			12		22 54 07				
165	145	12			6		22 54 14				
165	145	15			7,5		22 54 12				
165	145	15			10			22 54 20			
165	153	12			6			22 55 15			
165	154		15	14	9				22 56 25		
165	154		15	14	10				22 56 26		
170	130	20			10		22 53 04				
170	138	15			7,5		22 53 11				
170	140	15			7,5		22 54 08				
170	140	26			17,5		22 54 09				
170	145	18			10			22 54 21			
170	150	10			5		22 55 01				
170	150	15			10			22 55 13			
170	150	18			12		22 55 02				
170	154	20			12		22 55 06				

ACLATHAN®-Nutringdichtungen Kolbendichtungen

ACLATHAN®-U-Ring Seals Piston Seals

ACLATHAN®-Joints en U Joints de piston



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
170	157	12			7	22 55 08	22 55 17			
171,8	139	16			8	22 53 12				
175	130	24			12	22 53 05				
175	155	15			10	22 55 07	22 55 16			
177,8	157,2	14			8		22 55 18			
177,8	158,8	9,5			5,5		22 55 19			
177,8	158,8		16	14,5	9			22 58 21		
178	160	16,8			8,4	22 56 01				
178	166	6			3	22 56 13				
180	140	20			10	22 54 10				
180	140	30			15	22 54 11				
180	150	15			7,5	22 55 03				
180	150	18			10		22 55 14			
180	150	26			18	22 55 04				
180	160	10			5	22 56 02				
180	160	14			7	22 56 04				
180	160	15			7,5		22 56 19			
180	160	15			9	22 56 03				
180	160	15			10		22 56 18			
180	165	7,5			3	22 56 09				
180	166		15,5	14	10			22 58 19		
185	155	26			18,5	22 55 09				
185	160	12			6	22 56 05				
185	165	15			7,5	22 56 10				
185	174		15	14	10			22 58 20		
187	175	12			6		22 57 16			
190	150	20			10	22 55 05				
190	160	15			7,5	22 56 06				
190	160	15			9		22 56 20			
190	170	15			7,5	22 57 01				
190	170	15			9		22 57 13			
193,7	181	8			4	22 58 07				
195	165	15			7,5	22 56 14				
195	165	19			11	22 56 11				
195	165	26			17,5	22 56 12				
200	160	20			10	22 56 07				
200	170		18	17	12				23 60 60	
200	170	22			12	22 57 02				
200	175	12			6	22 57 05				
200	180	10			5	22 58 01				
200	180	15			10		22 58 13			
200	180		15	14	10				23 60 61	
200	180	18			12	22 58 02				
200	180	25			17	22 58 03				
200	182	21			16	22 58 08				
200	186		15,5	14	10			22 60 19	23 60 62	
200	190		14	12,5	7			22 60 20		
202	170	26			19		22 57 14			
203,2	177,8	12,7			4,8	22 57 08				
203	190	7			4	22 59 05				
204	170	25			12,5	22 57 03				
204	180	12			6	22 58 04				
204	183		17	16	8			22 60 21		
204	190	15			10	22 59 01	22 59 12			
205	175	15			7,5	22 57 06				
205	185	15			9,5		22 58 15			
205	194		15	14	10			22 60 22		
208	168	15			8	22 56 15				
210	175	18			9	22 57 07				
210	180	15			7,5	22 58 05				
210	190	15			7,5	22 59 02				
210	190	15			10		22 59 09			
212	170	20			10		22 57 15			
215	195	12			7		22 59 10			
220	160	20			10	22 56 08				
220	180	16			9		22 58 14			
220	180	20			10	22 58 06				
220	185	30			20	22 58 09				
220	190		18	17	12				23 62 60	
220	190	26			17,5	22 59 03				
220	190	26			20	22 59 06	22 59 13			
220	200	10			5	22 60 01				

ACLATHAN®-Nutringdichtungen Kolbendichtungen

ACLATHAN®-U-Ring Seals Piston Seals

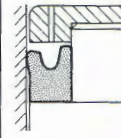
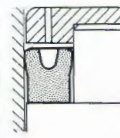
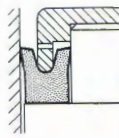
ACLATHAN®-Joints en U Joints de piston

Typ: U

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
220	200	10			6		22 60 12			
220	200	15			10		22 60 13			
220	200		15	14	10				23 62 61	
220	200	18			12	22 60 02				
220	209		12,5	11	8,5			22 62 25		
225	195	26			17,5		22 59 11			
228,6	215,9	8			4	22 61 08				
230	195	20			12	22 59 04				
230	200	15			7,5	22 60 03				
230	200	17			10		23 00 24			
230	200	18			11		22 60 14			
230	200	26			17,5	22 60 04				
230	210	25			17	22 61 09				
235	210	15			9	22 61 01				
235	212	15			10		22 61 15			
235	215	25			17	22 61 07				
238	200	22			15		22 60 16			
238,4	202,4	20			12	22 60 06				
240	200	20			10	22 60 05				
240	210	15			7,5	22 61 02				
240	210	15			9	22 61 03				
240	210	18			11		22 61 13			
240	210	18			11,5		22 61 14			
240	210	25			11,5	22 61 04				
240	220	10			5	22 62 01				
243	210	24			12	22 61 05				
245	225	12			7		22 62 19			
245	233	6			3	22 63 05				
247,7	215,9	15,9			9,9	22 61 10				
250	206	18			10	23 00 53				
250	208	21			11	22 60 07				
250	210	20			10	22 61 06				
250	219	15			9	22 61 11				
250	220	15			7,5	22 62 02				
250	220	15			10		22 62 14			
250	220	18			11		22 62 15			
250	220	18			12		22 62 16			
250	220		18	17	12				23 65 60	
250	220	25			15	22 62 03				
250	220	26			17,5	22 62 04				
250	230	15			10		22 63 10			
250	230		15	14	10				23 65 61	
250	238		14	12,5	7			22 65 22		
254	224	15			8,5	22 62 07				
255	220	22			15		22 62 17			
255	225	26			18	22 62 09				
255	225	42			34		22 00 70			
260	220	20			10	22 62 05				
260	224	30			18	22 62 08				
260	230	26			17,5	22 63 01				
260	230	26			20		22 63 11			
260	240	10			5	22 64 01				
260	240	17			11		22 64 11			
263	229	20			12		22 62 21			
265	220	22			15		22 62 18			
265	225	34			23		22 62 20			
265	245	12			7		22 64 13			
270	230	18			10	22 63 02				
270	230	20			10	22 63 03				
270	240	15			7,5	22 64 02				
270	240	18			11		22 64 12			
270	258		14	12,5	8			22 00 54		
272	239	26			17,5	22 64 03				
275	230	26			17,5	22 63 04				
275	250	12			6	22 65 01				
280	220	28			14	22 62 06				
280	240	20			10	22 64 04				
280	250	15			8	22 65 02				
280	250		18	17	12				23 68 60	
280	250	22			15		22 65 16			
280	250	25			15	22 65 03				
280	250	26			17,5	22 65 04				

ACLATHAN®-Nuttingdichtungen **Kolbendichtungen**

ACLATHAN®-U-Ring Seals **Piston Seals**

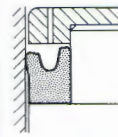
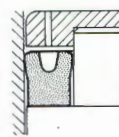
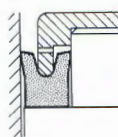
ACLATHAN®-Joints en U **Joints de piston**

Typ: U

UN

UA

UNA



Dimension [mm]:

Ø D	Ø d	h	h ₁	h ₂	s	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
282,5	254	20			10	22 65 07				
284	254,6	34			24	22 65 08				
285	245	30			15	22 64 06				
285	255	15			8		22 65 18			
285	255	20			10	22 65 09				
290	240	25			12,5	22 64 05				
290	250	20			10	22 65 05	22 65 17			
290	258	20			10	22 65 11				
290	260	25			12,5	22 66 01				
290	270	17			12		22 67 06			
295	255	18			10	22 65 10				
296	260	34			23		22 66 02			
300	250	25			12,5	22 65 06				
300	260	26			19		22 66 08			
300	260	34			23	22 66 03				
300	270	18			11		22 67 07			
300	270	30			15	22 67 01				
300	280	12			6	22 68 01				
300	286		12	10,5	7				23 68 61	
300	286		12	10,5	7,5			22 70 16		
300	286		12	10,7	7,5			22 70 17		
300	288		14	12,5	7			22 70 18		
310	270	20			10		22 67 08			
310	280	15			7,5	22 68 02				
310	280	25			12,5	22 68 03				
310	280	26			17,5	22 68 04				
310	280	26			18		22 68 11			
310	290	12			7		22 69 06			
320	300	15			8	22 70 01				
320	280	20			10	22 68 05				
320	280		28	27	21				23 72 60	
320	290		20	19	13				23 72 61	
320	295	18			11		22 69 07			
323	300	10			5,5	22 70 08				
330	280	25			12,5	22 68 06				
330	300	15			7,5	22 70 02				
330	310	15			9	22 71 01				
330	310	17			11		22 00 49			
330	318	6			3	22 71 03				
330,2	304,8	20			12	22 70 07				
335	320		15	13,5	9			22 73 12		
336	300	30			20	22 70 03				
340	290	36			28	22 69 01				
340	290	36			28		22 00 20			
340	300	20			10	22 70 04				
340	310	15			8		22 71 08			
340	310	20			12		22 71 09			
340	310	26			17,5		22 71 10			
340	320	12			7		22 72 11			
343	303	20			10	22 70 06				
345	315	25			15		22 71 12			
350	300	25			12,5	22 70 05				
350	310	34			16		22 71 11			
350	320	15			7,5	22 72 01				
350	320	15			8		22 72 12			
350	320	16			10		22 00 18			
355	310	38			27	22 71 04				
356	335		13	12,5	7				23 75 60	
358	328	15			7	22 72 05				
360	310	25			12,5	22 71 02				
360	320	20			10	22 72 02				
360	320	34	28	27	21				23 76 60	
360	320				22	22 72 03				
360	330		20	19	13				23 76 61	
360	330	22			13		22 73 07			
365	330	25			12,5	22 73 01				
365	345	12			7		22 74 09			
365	345		17	15,5	10			22 76 12		
370	320	25			12,5	22 72 04				
370	330	28			18	22 73 02				
370	330		28	27	21				23 00 41	
370	330	28			18		22 73 08			

ACLATHAN®-Nuttingdichtungen **Kolbendichtungen**

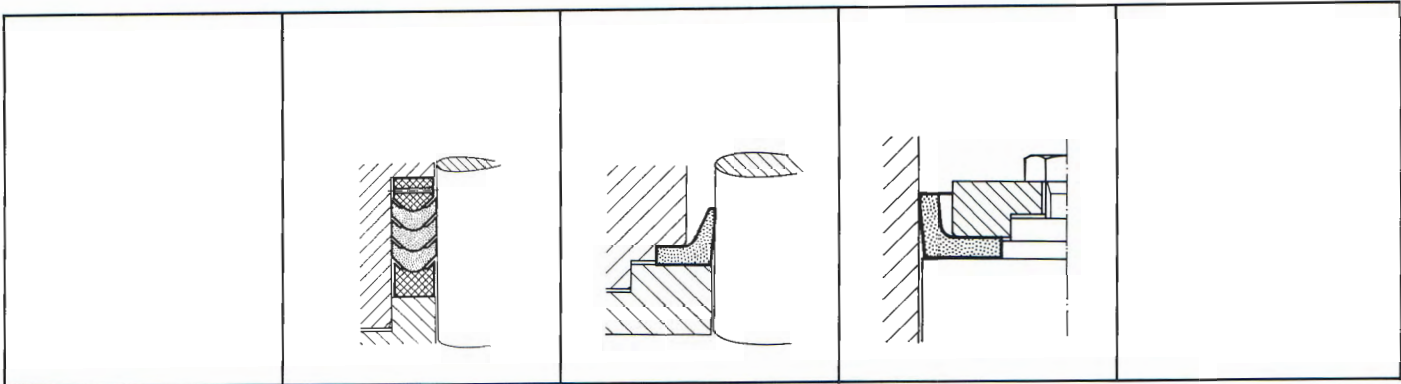
ACLATHAN®-U-Ring Seals **Piston Seals**

ACLATHAN®-Joints en U **Joints de piston**

Dimension [mm]:

						Typ: U	UN	UA	UNA	
Ø D	Ø d	h	h ₁	h ₂	s		Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
380	328	30			15		22 72 06			
380	340	20			10		22 74 01			
380	350	15			7,5		22 75 01			
380	365		14	12,5	7				22 78 12	
382	360	22			10		22 76 01			
385	340	35			22		22 74 02			
385	355	25			12,5		22 75 04			
388,6	355		30	28	18				22 78 11	
390	360	22			15			22 76 08		
395	345	36			27,5		22 74 03	22 00 11		
395	375	12			7			22 77 05		
396	360	34			22			22 76 09		
400	350	25			12,5		22 75 02			
400	360		28	27	21					23 80 60
400	370		20	19	13					23 80 61
400	375		24	22,5	14				22 80 13	23 80 62
407	355	20			12		22 75 05			
410	350	30			15		22 75 03			
410	362,7	20			12		22 76 03			
410	380	22			11		22 78 01			
410	380	22			15			22 78 07		
415	394	16			10			22 79 07		
420	360	32			16		22 76 02			
420	380	20			10		22 78 02			
430	400	15			7,5		22 80 01			
435	400	35			23		22 80 02			
435	420		15	13,5	9				22 83 10	
435	423	6			3		22 82 01			
440	396,5	35			18		22 79 01			
440	400	35			17,5		22 80 03			
440	410	22			13			22 81 06		
448	403	28			14		23 00 46			
450	398	20			12		22 79 02			
450	400	25			12,5		22 80 04			
450	410	20			10		22 81 01			
450	420	15			8			22 82 06		
450	420	22			15			22 82 07		
460	400	30			15		22 80 05			
460	430	22			15			22 83 06		
465	425	25			15			22 82 08		
470	440	20			13			22 84 05		
470	440		20	19	11,5					23 00 29
470	450		18	16,5	11				22 87 08	
480	440	31			21			23 00 91		
480	450	15			7,5		22 85 01			
485	435	34			23		22 83 01			
490	450	34			23		22 85 02			
491	450	33,5			16		22 85 03			
500	450	25			12,5		22 85 04			
500	455	40			25		22 85 06			
500	456	30			20			22 85 11		
510	450	30			15		22 85 05			
540	500	20			10		22 90 01			
540	500	34			23			22 90 17		
560	530	15			8			22 90 18		
561	509	26			13		22 90 02			
570	520	25			12,5		22 90 03			
580	540	32			17		22 90 05			
580	540	32			22			22 90 19		
580	550	15			7,5		22 90 06			
590	578	6			3		22 90 07			
594	531,5	30			15		22 90 04			
600	576	12			7		23 00 71			
670	646	12			7		23 00 72			
688	656	26			18		22 90 08			
720	695	14,5			7,5			23 00 57		
775	763	6			3		22 90 09			
862	817	30			15		22 90 10			
920	870	35			18		22 90 11			
950	925	15,5			8			23 00 56		
1000	988	6			3		22 90 12			

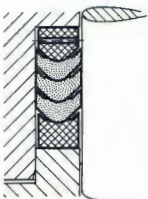
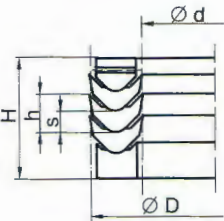
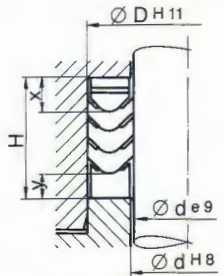
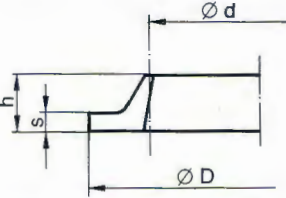
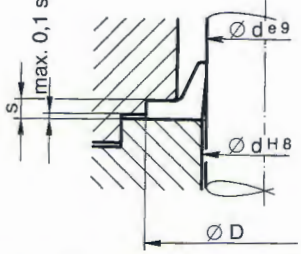
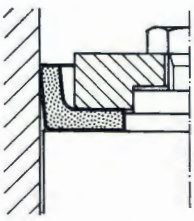
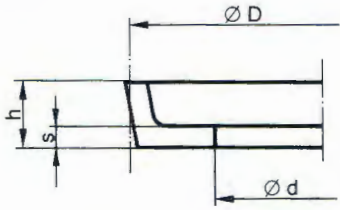
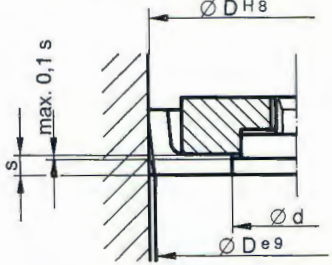
Special Seals



D

H

NA

D 		
H 		
NA 		

Remarks

Mounting Instructions

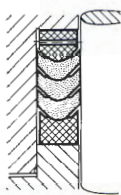
Vee Rings type D are rod and piston seals, and have got a V-shaped section. The angle formed by the two sealing lips ranges from 60° to 90°. A set requires a minimum of 3 seals type D in combination with a male and female adapter in order to withstand a pressure up to 600 bar. The housing must be easily accessible and should be closed by an adjustable locking ring. The combination of material is adapted to the application.	Mounting height: $H = (n \cdot s) + x + y$ n = number of seals x = height of male adapter $\geq h - s + 5$ y = base height of female adapter ≥ 5 s = base height of seal
Hat Packings type H are unilateral rod seals and can be used up to 60 bar. Thin-walled executions and high sliding speeds limit the application up to 40 bar. This seal is also suitable for rotating shafts.	The flange thickness "s" can be prestressed by max. 10%. Care must be taken to ensure a concentric fit. The sealing lip must not be distorted by retaining parts at the flange/lip transition point.
Cup Packings type NA are unilateral piston seals and can be used up to 60 bar. Thin-walled executions and high sliding speeds limit the application up to 40 bar.	The bottom thickness "s" can be prestressed by max. 10%. A concentric fit is absolutely required which will be mostly achieved by means of a bore in the bottom. The sealing lip must not be distorted by retaining parts at the bottom/lip transition point.

ACLATHAN®-Dachmanschetten

ACLATHAN®-Vee Rings

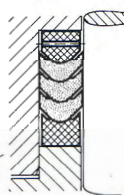
ACLATHAN®-Joints chevron

Typ: D



Dimension [mm]:

Ø d	Ø D	h	s	α			Art.-Nr.				
5	12	3,2	2,2	90			24 01 01				
5	17	5,4	3,3	90			24 01 02				
7	21	6,5	2,5	70			24 01 03				
7	27	6,5	2,5	70			24 01 04				
8	18	4	2,4	90			24 01 05				
8	22	10	6	60			24 01 06				
10	25	6,5	3,1	90			24 10 01				
10	27	8	4,3	70			24 10 02				
10	35	9	4	90			24 10 03				
11	32	8,5	5,6	60			24 11 01				
11	32	9,5	6	90			24 11 02				
12,7	22,2	4,3	2,8	90			24 12 01				
13	25	5,7	3,2	90			24 13 01				
13	26	6	3,2	90			24 13 02				
13	27	7	4,6	90			24 13 03				
15	30	6	3,1	90			24 15 01				
17	37	6	3,1	60			24 17 01				
18	32	5,5	3,1	90			24 18 01				
18	32	9,3	5,6	60			24 18 02				
18	39	8	4,7	90			24 18 03				
19,1	31,8	4,3	2,4	90			24 19 01				
20	30	4	2,4	90			24 20 01				
20	35	8	4,5	60			24 20 02				
20	41,5	9	4,7	90			24 20 03				
22	35	4	2,4	90			24 22 01				
24	34	5	3,2	90			24 24 01				
24	39	9	6	60			24 24 02				
24	46	12	6,6	60			24 24 03				
25	37	5,4	3,3	90			24 25 01				
25	37	8	4	60			24 25 02				
25	40	7	4,6	75			24 25 03				
25	40	8	4,7	60			24 25 04				
25	45	8	4,6	90			24 25 05				
25	50	10	4,6	90			24 25 06				
26	46	12	6,6	60			24 26 01				
26	55	12	6	90			24 26 02				
27	45	8,5	5	60			24 27 01				
27	47	12	6,6	60			24 27 02				
28	43	8	4,4	60			24 28 01				
28	48	14	8,6	60			24 28 02				
28	62	15	8	60			24 28 03				
30	42	5,5	3,1	90			24 30 01				
30	45	6,1	4	90			24 30 02				
30	46	9	5,4	60			24 30 03				
30	50	8	4,7	90			24 30 04				
30	50	11	5,5	60			24 30 05				
30	50	10	6	60			24 30 06				
30	54	9	4	90			24 30 07				
30	54	10	5,2	75			24 30 08				
30	55	9	3,9	90			24 30 09				
32	44	5,8	3,8	90			24 32 02				
32	52	8	4,6	90			24 32 01				
33	50	8	4,4	90			24 33 01				
35	55	8	4,6	90			24 35 03				
35	60	12	7	60			24 35 01				
35	65	15	10	60			24 35 02				
36	48	5,4	3,3	90			24 36 01				
38	54	7,5	4,7	90			24 38 01				
39	60	14	8,6	60			24 39 01				
39	61	8	5,4	90			24 39 02				
40	60	8	4,7	90			24 40 01				
40	65	8	4	90			24 40 02				
40	65	10	5	60			24 40 03				
40	85	16	5,3	90			24 40 04				
42	72	12	6	90			24 42 01				
44,5	60,5	6,4	3,1	90			24 44 01				
45	60	10	6,6	60			24 45 01				
45	65	12	6,6	60			24 45 02				
45	75	12	7,5	60			24 45 03				
46	76	12	7,5	60			24 46 01				
48	80	10	4	90			24 48 01				
49	80	11	5	90			24 49 01				

ACLATHAN®-Dachmanschetten**ACLATHAN®-Vee Rings****ACLATHAN®-Joints chevron**Typ: **D**

Dimension [mm]:

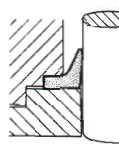
Ø d	Ø D	h	s	α			Art.-Nr.			
50	60	4,5	2,5	90			24 05 01			
50	64	6,1	3,1	90			24 05 02			
50	70	8	4,7	90			24 05 03			
50,8	63,5	5,3	3,1	90			24 05 04			
50,8	66,7	11,7	5,4	60			24 05 05			
50,8	69,9	8,6	4,7	90			24 05 06			
50,7	69,8	11,5	7,1	60			24 05 07			
55	70	7,5	4,6	60			24 05 08			
58	72	7,5	4,6	90			24 05 09			
59	90	10	5,5	90			24 05 10			
60	75	7	4,7	90			24 06 01			
60	80	9,5	6,1	90			24 06 02			
62	108	14	5,6	90			24 06 03			
63,5	79,4	6,5	3,3	90			24 06 04			
64	84	8	4	90			24 06 05			
65	85	6,8	3,3	90			24 06 06			
65	90	14	5,3	60			24 06 07			
68	118	15	5,6	90			24 06 08			
69,8	88,9	7	3,4	90			24 06 09			
70	85	6,1	4	90			24 07 01			
70	90	8	4,7	90			24 07 02			
70	90	12	6,6	60			24 07 03			
70	100	15	10	60			24 07 04			
70	100	12	6	90			24 07 05			
72	150	38	11,2	60			24 07 06			
74	90	8,5	5,4	75			24 07 07			
75	105	14,6	8,6	60			24 07 08			
76	102	13	7	60			24 07 09			
76,2	101,6	11	6,2	90			24 07 10			
76,2	95,3	8,8	5,4	90			24 07 11			
80	100	12,5	6,5	60			24 08 01			
80	110	11	6,1	90			24 08 02			
82,3	102,2	8	4,6	90			24 08 03			
85	103	8	4,7	90			24 08 04			
85	105	8,6	4,6	90			24 08 05			
95,6	115	8,3	4,7	90			24 09 01			
95,6	115	8,5	5	90			24 09 02			
98	130	13	6,6	60			24 09 03			
100	130	12	6,2	90			24 50 01			
100	130	15	9,6	60			24 50 02			
105	135	18,5	9	60			24 50 03			
110	140	16	6,6	60			24 51 02			
110	140	18	10,6	60			24 51 03			
111	127	7,1	4,7	90			24 51 04			
111	127	11	7	60			24 51 05			
111	127	8	5	90			24 51 06			
114,3	139,7	12	7,4	60			24 51 07			
118	150	17	8,6	60			24 51 08			
120	143,5	10	4,6	90			24 52 01			
120	146	12	7,4	60			24 52 02			
125	155	15	8,5	60			24 52 03			
127,5	152,8	10,2	5,4	90			24 52 04			
130	155,4	13	6,7	60			24 53 01			
130	160	15	7,5	70			24 53 02			
138	172	16	8	60			24 53 03			
140	170	15	8,5	60			24 54 01			
150	175	15	8,6	60			24 55 01			
150	180	12	6,1	90			24 55 02			
150	180	17	7,7	60			24 55 03			
150	180	18	8,7	60			24 55 04			
155	185	16	8,6	60			24 55 07			
170	200	11,6	5,7	90			24 85 03			
180	210	15	8,6	60			24 58 01			
190	220	15	8,6	60			24 59 01			
200	230	11	4,8	90			24 60 01			
200	230	14,5	8	60			24 60 03			
203,5	229,1	10,3	5,4	90			24 60 02			
260	306	25,5	12,7	60			24 66 01			
266	292	10	4	90			24 66 02			
266	292	10	5,6	90			24 66 03			
340	370	12,5	7,5	90			24 66 04			
360	390	12,5	7,5	90			24 66 05			

ACLATHAN®-Joints chevron

Ø d	Ø D	h	s	↗			Art.-Nr.				
456	523	33,1	8,8	60			24 85 01				
457	489	16	9,5	60			24 85 02				
584,2	622,3	20	10	60			24 90 01				
634	685	25,5	10,5	60			24 90 02				
880	930	26	12,6	60			24 90 03				

ACLATHAN®-Hutmanschetten**ACLATHAN®-Hat Packings****ACLATHAN®-Joints Chapeaux**

Typ:

H

Dimension [mm]:

Ø d	Ø D	h	s					Art.-Nr.			
6	23	10	3					23 01 06			
8	14	6	1,5					23 01 07			
8	19	5	1,6					23 01 08			
8	22,3	12	3					23 01 09			
8	23	10	3					23 01 10			
10	23	10	3					23 10 07			
10	23,5	11	2,5					23 10 08			
10	27	10	3					23 10 09			
11,5	22	10	2,5					23 11 06			
12	30	14	3					23 12 06			
13	20	8	2					23 13 06			
13	29	12	3					23 13 07			
15,5	76	12	4					23 15 06			
16	30	6	2					23 16 09			
16	42	8	1,5					23 16 10			
16	36	8	2,5					23 16 08			
17	30	6	2					23 17 06			
19	30	6	2					23 19 06			
19	40	4	2					23 19 07			
20	38	20	4					23 20 08			
20	42	13	3					23 20 09			
22	44	14	3					23 23 07			
23	44	6,3	3,4					23 23 06			
24	40	10	3					23 24 10			
24	44	14	3					23 24 11			
25	42	5,5	1,5					23 25 13			
25	45	14	3					23 25 14			
25	46	10	2,5					23 25 15			
25,4	37,3	7,9	3,1					23 25 16			
28	45	15	3					23 28 06			
28,6	47	10	2,3					23 28 07			
30	45	10	5					23 30 12			
30	50	10	5					23 30 13			
30	52	20	4					23 30 14			
32	50	10	5					23 32 06			
34	50	10	4,5					23 34 07			
34,2	45,5	4,5	1,5					23 34 08			
34,9	46,8	7,9	3,1					23 34 09			
35	55	18	5					23 35 11			
36,6	48	8	2,5					23 36 07			
38	54	10	2,3					23 38 06			
38	58	18	3,5					23 38 07			
39,2	60,4	7,2	2,2					23 39 07			
39,2	60,5	5,3	2					23 39 08			
39,2	70,5	9,1	3					23 39 09			
40	60	10	2,5					23 40 12			
40	67	10	3					23 40 13			
40	80	20	4					23 40 14			
44,5	56,4	7,9	3,1					23 45 12			
45	60	12	3					23 45 09			
45	65	12	3					23 45 10			
45	75	15	4					23 45 11			
49	70,7	9,8	3					23 49 08			
50	65	7	2,5					23 05 44			
50	70	14	4					23 05 45			
50	75	12	4					23 05 46			
50	75	20	4					23 05 47			
50,8	72,7	7,9	3,1					23 05 54			
51	71	15	3					23 05 48			
54	70,7	9,8	3					23 05 49			
54	88,4	9	3					23 05 50			
55	80	12	2,5					23 05 51			
57	78	18	3					23 05 52			
59	78	9	3					23 05 53			
60	85	18	4					23 06 32			
60	90	12	3					23 06 33			
60	90	15	4					23 06 34			
62,3	87,6	9	2,5					23 06 35			
63,5	79,4	9,5	3,2					23 06 38			
65	85	20	4					23 06 36			
69	103,3	11	3					23 06 37			
70	89	10	4					23 07 25			

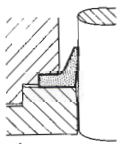
ACLATHAN®-Hutmanschetten

ACLATHAN®-Hat Packings

ACLATHAN®-Joints Chapeaux

Typ:

H



Dimension [mm]:

Ø d	Ø D	h	s					Art.-Nr.			
70	104	15	5					23 07 26			
70	104	20	4					23 07 27			
75	98	20	4					23 07 28			
80	108	15	4					23 08 16			
80	110	22	4,5					23 08 17			
80	130	37	4					23 08 18			
80	130	38	4					23 08 19			
84	130	38	4					23 08 20			
85	120	12	4,5					23 08 21			
85	120	22	4,5					23 08 22			
88,8	108,5	9,2	3					23 08 26			
89	118,3	11	3					23 08 23			
89	123	11	3					23 08 24			
89,5	108,4	9,4	3					23 08 25			
90	110	9,4	3					23 09 16			
100	130	25	4					23 50 19			
100	140	15	5					23 50 20			
100	140	25	5					23 50 21			
100	150	25	5					23 50 22			
110	150	15	5					23 51 17			
110	150	25	5					23 51 18			
115	150	20	5					23 51 19			
120	140	15	6					23 52 16			
120	160	15	6					23 52 17			
120	160	25	5					23 52 18			
125	160	20	5					23 52 19			
125	172	20	4					23 52 20			
128,5	148	8	2,5					23 52 21			
130	170	25	5					23 53 11			
140	180	25	5					23 54 12			
150	190	25	5					23 54 13			
160	180	9,4	3,3					23 56 08			
200	250	30	5					23 60 09			
230	270	15	6					23 63 06			
276	315	15	5					23 67 06			
320	350	25	8					23 72 06			
330	370	15	5					23 73 06			
355	407	15	6					23 75 06			
437	485	20	5					23 83 06			
545	590	20	5					23 90 08			

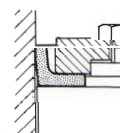
ACLATHAN®-Napfmanschetten

ACLATHAN®-Cup Packings

ACLATHAN®-Joints Coupelles

Typ:

NA



Dimension [mm]:

Ø D	Ø d	h	s					Art.-Nr.		
10	3,5	5	2					23 10 01		
10	4	7	1,5					23 10 02		
12	4,2	6	2					23 12 01		
14		6	2					23 14 01		
14	6,5	8	2					23 14 02		
15	6	10	2					23 15 01		
16	5	6	2					23 00 06		
16	5	10	2					23 16 01		
16,5		7	2					23 16 02		
16,9	8,5	7,5	2					23 16 03		
17		7	2					23 17 01		
18	6	10	2,8					23 18 01		
18	8	6	2					23 18 02		
18	8	10	3					23 18 03		
20	7	8	2					23 20 01		
20	10	8	2					23 00 36		
20,2	6,2	8,3	4,5					23 20 02		
20,5	7	8	2					23 20 03		
21	8	8	2,5					23 21 01		
22	8	10	3					23 22 01		
22	8,2	10	2					23 22 02		
22	12	7,5	4					23 22 03		
24	7	8	2					23 24 01		
24	8	13	3					23 24 02		
24	9	7	2					23 24 03		
24	10	8	2					23 24 04		
24	12	13	3					23 24 05		
25		8	3					23 25 01		
25	4	12	2,5					23 25 02		
25	4	16	3					23 25 03		
25	10	10	3					23 25 04		
25	10	10,5	2,5					23 25 05		
25	11,5	8	3					23 25 06		
25	16	7	2					23 25 07		
25,4		8	2,5					23 25 08		
26	10	8	2					23 26 01		
26	10	15	4					23 26 02		
27	10	8	3					23 27 01		
27	14	10	2					23 27 02		
27	19,5	10	2					23 27 03		
27,8	7	6,5	2					23 27 04		
29	6	5	1,5					23 29 01		
29	6	7	1					23 29 02		
30	9,7	7,5	1,3					23 30 01		
30	9,8	6,5	1,5					23 30 02		
30	10	8	2					23 30 03		
30	14	10	2					23 00 39		
30	14	10	3					23 30 04		
30	14	12	3					23 30 05		
30	14	12	4					23 30 06		
30	18	10	2,5					23 30 07		
31	20	9	4					23 31 01		
31,5	10	8	2					23 31 02		
32		8	2,5					23 31 03		
32	17	8	2,5					23 32 01		
32	20	18	3,5					23 32 02		
33	14	7	2,5					23 33 02		
33	14	15	4,5					23 33 04		
34	14	15	4,2					23 34 01		
34,9	9,5	6,4	3,2					23 34 02		
35		8	2					23 35 01		
35		9	2					23 35 02		
35	12	10	3					23 35 03		
35	16	9	2,5					23 35 04		
35	16	15	2,5					23 35 05		
35	17	12	4					23 35 07		
35,7	14	17	4					23 35 06		
36		10	3					23 36 03		
36	10	8	3					23 36 01		
36	10	10	3					23 36 02		
37,5	22	13	3					23 37 01		
38		7,5	2,5					23 38 01		

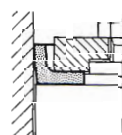
ACLATHAN®-Napfmanschetten

ACLATHAN®-Cup Packings

ACLATHAN®-Joints Coupelles

Typ:

NA



Dimension [mm]:

Ø D	Ø d	h	s						Art.-Nr.		
39	13	10	3,5						23 39 01		
39,5	17	18	3,5						23 39 02		
40	10	13	3						23 40 01		
40	10	17	3						23 40 02		
40	13	20	5						23 40 03		
40	14	10	5						23 40 04		
40	17,5	8	2						23 40 05		
40	20	8,5	2,5						23 40 06		
40	20	15	3						23 40 08		
40	25	10	3						23 40 07		
41,4	22	12,7	3						23 41 01		
41,5	20	8,5	3,5						23 41 02		
42	16,2	6	2						23 42 01		
42	22	10	2,5						23 42 02		
42,7	12,2	6,2	2						23 42 03		
43	12,2	13	3						23 43 01		
43	19	25	5						23 43 02		
43	22	25	5						23 43 03		
43,5	5,3	7	1,3						23 43 04		
43,5	5,5	7	1						23 43 05		
44	22	7	2						23 44 01		
45	10	20	4						23 45 01		
45	13	12	3,5						23 45 02		
45	15	10	3						23 45 03		
45	20	10	3						23 45 04		
46	5	15	2,5						23 46 03		
48	6	10	3						23 48 01		
49	21	23	4,5						23 49 01		
49	24	12	2						23 49 02		
49,2	10,1	7,9	2,4						23 49 03		
50		10	3						23 05 01		
50	2,2	15	3,5						23 05 02		
50	8,2	15	3,5						23 05 03		
50	12,5	12,5	2,5						23 05 04		
50		15	4,5						23 05 05		
50	15	19	4						23 05 06		
50	15	20	4						23 05 07		
50	16	10	4						23 05 08		
50	20	15	3						23 05 09		
50	27	15	4						23 05 10		
50	25	10	3						23 05 11		
50	29	16	4						23 05 12		
50	30	12	3						23 05 13		
50	30	19	4						23 05 14		
50	31	15	4						23 05 15		
50,7	23,8	12,7	3						23 05 16		
51	8,2	15	3,5						23 05 17		
52	15	15	4						23 05 19		
52	20	12	2,5						23 05 20		
53	10	20	3						23 05 21		
53	24	10	2,3						23 05 22		
54	24	15	2,3						23 05 23		
54	32	17	4						23 05 24		
54	38	17	3						23 05 25		
55		20	4,5						23 05 26		
55	10	12	3						23 05 27		
55	16	20	3						23 05 28		
55	20	20	5						23 05 29		
55	21	18	4						23 05 31		
55	25	10	2,5						23 00 25		
55	25	20	3						23 05 32		
55	28	10	3						23 05 33		
55	30	12	4						23 05 34		
55	35	10	2,5						23 00 51		
55	36	10	3						23 05 35		
56	39	18	3,5						23 05 40		
56,5	13,5	14	3						23 05 36		
57	24	15	2,3						23 05 37		
57	40	18	4,5						23 05 38		
58	15	18	3,5						23 05 39		
60	13	17	3						23 06 01		
60	14	15	4						23 06 02		

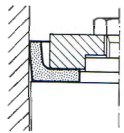
ACLATHAN®-Napfmanschetten

ACLATHAN®-Cup Packings

ACLATHAN®-Joints Coupelles

Typ:

NA



Dimension [mm]:

Ø D	Ø d	h	s						Art.-Nr.		
60	15	24	4						23 06 03		
60	20	20	4						23 06 04		
60	20	20	5						23 06 05		
60	21	20	4						23 06 06		
60	25	20	3						23 06 07		
60	26	28	4						23 06 08		
60	28,5	16	3,2						23 06 09		
60	32	12	3						23 06 10		
60	35	16	3,2						23 06 11		
60	40	10	2,5						23 06 30		
60	40	15	2,3						23 06 12		
60	40,5	8	2,5						23 06 13		
60,4	30	20	3						23 06 14		
61	13	17	3						23 06 15		
62	38	16	3,5						23 06 16		
62	35	12	3						23 06 17		
62,5	46,5	8	3,7						23 06 18		
63,5	34	15	3						23 06 19		
64	20	18	3						23 06 20		
65		11,5	2						23 06 21		
65	12	17	4						23 06 22		
65	28,5	16	3,2						23 06 23		
67	18	20	4						23 06 24		
67	25	12	4						23 06 25		
68	10	50	3						23 06 26		
69	16	18	3,5						23 06 27		
69	25,5	12	3						23 06 29		
70		12	3						23 07 01		
70	10	20	4,5						23 07 02		
70	20	20	5						23 07 03		
70	22	18	5						23 07 04		
70	25,5	12	3						23 07 05		
70	30	10	4						23 00 33		
70	38	16	3						23 07 06		
70	40	15	2,3						23 07 08		
70	50	10	3						23 06 28		
70	50	10	4						23 07 09		
71	25,4	12,7	3,2						23 07 10		
71	38,1	15,9	4						23 07 11		
72	40	12	3						23 07 12		
75	39	25	4						23 07 13		
75	50	20	3						23 07 14		
75	52	15	3						23 07 15		
75	55	12	3						23 07 16		
76	38	21	5						23 07 17		
76,2	34	15	3						23 07 18		
77	30	25	6						23 07 19		
78	39,5	20	4						23 07 20		
78	64	7	3						23 07 21		
80	15	18	4						23 08 01		
80	15	20	4						23 08 02		
80	48	25	5						23 08 12		
80	50	14	4						23 08 03		
82	20	20	5						23 08 04		
83	20	22	5						23 08 05		
83	50	25	5						23 08 06		
85	14	18	4						23 08 07		
85	22	15	3						23 08 08		
85	40	14	3						23 08 09		
85	48	25	5						23 08 13		
88,9	34	15	3						23 08 11		
90		20	4						23 09 01		
90	12	25	5						23 09 02		
90	25	25	5						23 09 03		
90	48	25	5						23 09 12		
90	66	12	4						23 09 04		
93	12	25	5						23 09 05		
94	11	23	4						23 09 06		
94	38,5	18	3,5						23 09 07		
94	61	18	4						23 09 08		
95	20	20	4						23 09 09		
95	48	25	5						23 09 13		

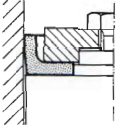
ACLATHAN®-Napfmanschetten

ACLATHAN®-Cup Packings

ACLATHAN®-Joints Coupelles

Typ:

NA



Dimension [mm]:

Ø D	Ø d	h	s						Art.-Nr.		
98	33	30	4						23 09 10		
98	64	12	3						23 09 11		
100	19	28	5						23 50 01		
100	20	21	4						23 50 02		
100	44	12,5	3,5						23 50 03		
100	44	19	5						23 50 04		
100	48	25	5						23 50 15		
100	60	18	4						23 50 05		
101	35	21	5						23 50 06		
101,6	16	20	4						23 50 07		
102	8	25	5						23 50 08		
102	52,4	19	4,8						23 50 09		
102	53	17	5						23 50 10		
102	53	21	4,8						23 50 11		
105	46	25	5						23 50 12		
105	60	20	5						23 50 13		
108	25	25	5						23 50 14		
110	24	25	5						23 51 01		
110	40	25	4						23 51 02		
110	70	14	4						23 51 03		
110	84	20	5						23 51 04		
115	16	15	5						23 51 05		
115	58	12,5	3,5						23 51 06		
115	60	22	4						23 51 07		
115	60	30	4						23 51 08		
115	76	12,5	3,5						23 51 09		
116	54	19	4,8						23 51 10		
117	53	17	5						23 51 11		
117,5	57	20	6						23 51 12		
120	13	20	4						23 52 01		
120	68	16	4						23 52 02		
120	72	30	5,5						23 52 03		
120	82	22	4						23 52 04		
120	90	15	5						23 52 05		
123	47	24	5						23 52 06		
125	13	20	4						23 52 07		
125	46	25	5						23 52 08		
125	50	20	5						23 52 09		
127	54	20	4						23 52 10		
127	73	25	5						23 52 11		
129,6	57,9	14,2	4						23 52 12		
130	25	25	5						23 53 01		
130	25	35	4						23 53 02		
130	58	13	4						23 53 03		
133,9	73	19	4,8						23 53 04		
135	50	22	4,5						23 53 05		
135	73	18	5						23 53 06		
140		24	4,5						23 54 01		
140	56	15	3						23 54 02		
140	85,5	15	5						23 54 03		
140	90	28	5						23 54 04		
140	110	22	4						23 54 05		
144	18	15	4						23 54 06		
147	80	25	4						23 54 07		
150	20	30	5						23 55 01		
150	70	30	5						23 55 02		
151		15	5						23 55 03		
151	70	20	4						23 55 04		
155	110	14	5						23 55 05		
155	110	15	5						23 55 06		
158,5	90	40	4						23 55 07		
160	50	25	5						23 56 01		
160	130	25	5						23 56 02		
168	98	28	5						23 56 03		
170	100	28	5						23 57 06		
170	120	28	4						23 57 01		
175	115	18	4						23 57 02		
178	45	15	5						23 57 04		
178	45	40	5						23 57 05		
180	13	20	4						23 58 01		
180	130	25	4,5						23 58 02		
190	130	30	5						23 59 01		

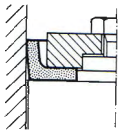
ACLATHAN®-Napfmanschetten

ACLATHAN®-Cup Packings

ACLATHAN®-Joints Coupelles

Typ:

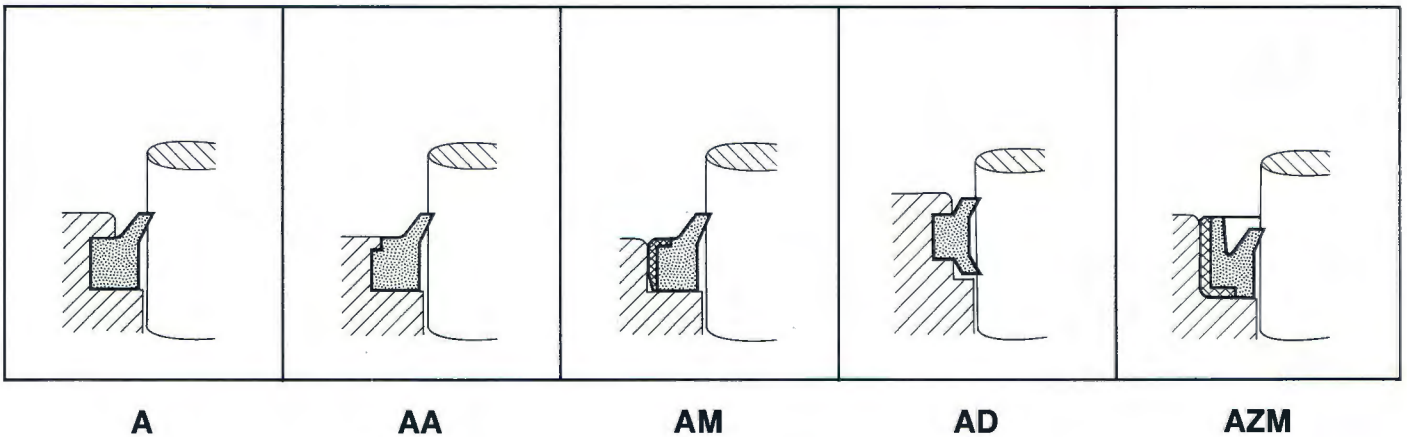
NA



Dimension [mm]:

Ø D	Ø d	h	s						Art.-Nr.		
200	130	20	4						23 60 01		
200	150	15	5						23 60 02		
203,2	146	23	6,5						23 60 03		
208	120	30	5						23 60 04		
211	170	20	4						23 61 03		
215	151	18	4,5						23 61 02		
220	80	20	4						23 62 01		
230	60	25	5						23 63 01		
240	170	25	5						23 64 01		
250	160	25	7						23 65 01		
250	190	20	4						23 65 02		
254	178	13,5	4,5						23 65 03		
255	215	25	4						23 65 04		
276	213	20	5						23 67 01		
280	198	25	3						23 68 01		
300	100	30	5						23 70 01		
300	220	20	5						23 70 02		
302	240	25	5						23 70 03		
320	260	30	5						23 73 02		
330	268	25	5						23 73 01		
350	100	30	5						23 75 01		
380	270	25	5						23 78 01		
400	100	30	6						23 80 01		
400	330	30	8						23 80 02		
400	370	30	6						23 80 03		
436	368	25	5						23 83 01		
440	350	38	8						23 00 09		
500	400	22	5						23 90 03		
544	478	25	5						23 90 01		
550	400	16	5						23 90 04		
556	400	35	5						23 90 02		

Rod Wipers



ACLATHAN® Rod Wipers rub off dirt, dust, water etc. They protect critical hydraulic parts and are used for axially and radially moving shafts. The excellent properties of ACLATHAN® – resistance to abrasion, wear and tear,

oil, cold – together with the special shape result in functional scraper elements. Dirt building up at the scraper lip must freely run off. Sealing efficiency is obtained by the prestressing of the lip.

Type	Nominal Sizes	Housing
A		
AA		
AM		
AD		
AZM		

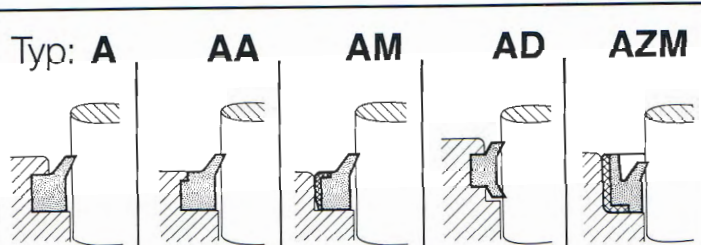
Further sizes and special executions
as per drawing or sample on request.

Tolerances as per DIN 7715 M 3

Remarks

Mounting Instructions

Rod Wipers type A can be easily fixed in a recess of a bore into which they snap. The wiper lip is protected.	Scraper Rings of a dia of less than 30 mm are difficult to fit. An open housing with cover facilitates mounting. Types AA or AM can be used as alternatives.
Rod Wipers type AA are mounted as type A. The steps prevent the formation of dirt pockets. The wiper lip is protruding and has to be protected against damage.	Pay attention to a correct fit to avoid distortions.
Rod Wipers type AM can be universally used. A metal ring at the outside diameter enables a press fit.	Normally the rings are pressed in up to the length "s". If the lip has to be protected the length of the seat should be adapted to size "H". We can supply type AZM for such cases as alternative. Bore tolerance H 8.
Rod Wipers type AD keep the rod clean from oil. They snap into a circular groove, and their lips must be in a free position. Care has to be taken for a good evacuation of waste oil on the system side.	For diameters of less than 30 mm mounting assistance is necessary.
Rod Wipers type AZM have been developped from type AM. The sealing lip is set back and is protected behind the edge of the metal ring. Care has to be taken for a good evacuation of dirt in order to avoid material to bake on in the groove.	

ACLATHAN®-Stangenabstreifer**ACLATHAN®-Rod Wipers****ACLATHAN®-Joints Racleurs**

Dimension [mm]:

Ø d	Ø D	s	H	Ø D ₁			Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
6	10	2	3	8,6			4 00 16				
8	12	2	3	10,6			4 00 17				
8	14	3	5						4 30 33		
10	14	2	3	12,6			4 00 18		4 30 21		
10	16	3,5	5					4 00 09			
10	16	4	7	14				4 00 04			
10	18	4	7	16							
10	20	5	8	16			4 00 19				
12	18	3	5						4 30 30		
12	20	4	6						4 30 20		
12	20	4	7	18				4 00 07			
12	22	5	8						4 30 41		
14	22	3	4						4 30 22		
14	22	4	7	20				4 00 03			
14	24	7	10						4 30 43		
15	20,5	5	7	19,2			4 00 91				
15	23	4	7	21				4 00 23			
15	25	5	8						4 30 23		
16	22	3	4						4 30 19		
16	22	3,5	5						4 30 35		
16	24	4	7	22				4 00 32			
16	26	5	8						4 30 24		
17	25	4	7	23				4 00 70			
18	26	4	7	24				4 00 13			
18	28	7	10						4 30 01		
19	26	5	8						4 30 44		
20	28	3	5						4 30 31		
20	28	4	7	26				4 00 06			
20	28	5	7	25			4 00 46				
20	30	4	6						4 30 58		
20	30	7	10						4 30 02		
22	30	4	7	28				4 00 40			
22	30	5	7	27			4 00 39				
22	32	5	7						4 30 36		
22	32	7	10						4 30 25		
22	35	5	8						4 30 45		
25	33	4	7	31				4 00 08			
25	33	5	7	30			4 00 59				
25	35	5	7						4 30 46		
25	35	7	10						4 30 03		
26	34	4	7	32				4 00 14			
28	36	4	7	34				4 00 47			
28	36	5	7	33			4 00 60				
28	38	7	10						4 30 34		
30	38	4	7	36				4 00 10			
30	38	5	7	35			4 00 33				
30	40	5	8						4 30 04		
30	40	7	10						4 30 05		
32	40	4	7	38				4 00 11			
32	40	5	7	37			4 00 61				
32	42	7	10						4 30 26		
32	45	4	8						4 30 52		
32	45	7	10						4 30 32		
34	42	4	7	40				4 00 12			
35	43	4	7	41				4 00 48			
35	43	5	7	40			4 00 34				
35	45	7	10						4 30 06		
35	50	5	9						4 60 01		
36	44	4	7	42				4 00 41			
36	44	5	7	41			4 00 62				
36	45	7	10						4 30 47		
36	46	7	10						4 30 27		
38	46	4	7	44				4 00 15			
40	48	4	7	46				4 00 42			
40	48	5	7	45			4 00 35				
40	50	5	8					4 30 07			
40	50	7	10						4 30 08		
40	52	5	8						4 30 54		
40	55	5	9						4 60 02		
42	50	4	7	48				4 00 49			
42	50	5	7	47			4 00 63				
42	52	7	10						4 30 28		

ACLATHAN®-Stangenabstreifer

ACLATHAN®-Rod Wipers

ACLATHAN®-Joints Racleurs

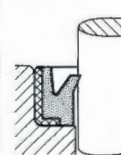
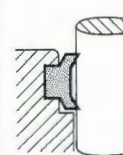
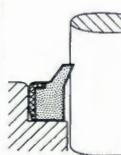
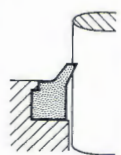
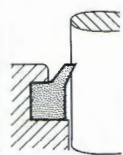
Typ: A

AA

AM

AD

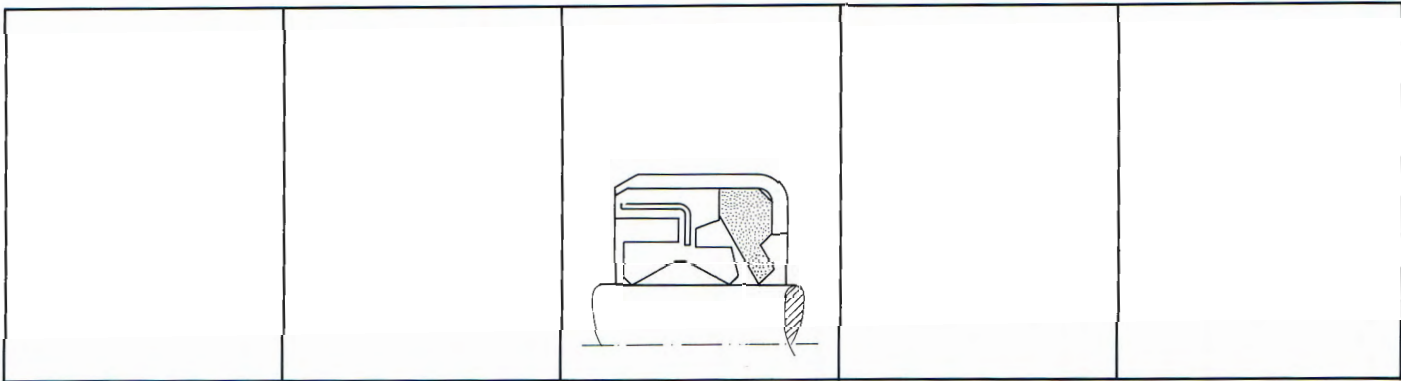
AZM



Dimension [mm]:

Ø d	Ø D	s	H	Ø D ₁			Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.	Art.-Nr.
45	53	4	7	51				4 00 50			
45	53	5	7	50			4 00 36				
45	55	7	10						4 30 09		
45	60	7	10						4 30 42		
50	56	5	8						4 30 48		
50	58	4	7	56				4 00 43			
50	60	5	7	57			4 00 05				
50	60		7								4 80 15
50	60	7	10						4 30 10		
50	65	5	9							4 60 42	
50	65	7	10						4 30 51		
55	63	4	7	61				4 00 51			
55	65	7	10						4 30 11		
56	64	4	7	62				4 00 52			
56	66	7	10						4 30 49		
60	68	4	7	66				4 00 20			
60	68	5	7	65			4 00 93				
60	70	5	7	67			4 00 64				
60	70		7								4 80 16
60	70	7	10	67,5			4 00 71				
60	70	7	10						4 30 12		
60	74	5	8						4 30 57		
63	71	4	7	69				4 00 53			
63	71	5	7	68			4 00 02				
65	73	4	7	71				4 00 54			
65	75	7	10						4 30 13		
68	76	4	7	74				4 00 21			
70	78	4	7	76				4 00 44			
70	78	5	7	75			4 00 37				
70	80	5	7						4 30 56		
70	80		7								4 80 17
70	80	7	10						4 30 55		
75	83	4	7	81				4 00 55			
77	87	7	10						4 30 16		
78	86	4	7	84				4 00 26			
78	86	5	7	83			4 00 81				
78	90	7	10	87			4 00 86				
80	88	4	7	86				4 00 45			
80	88	5	7	85			4 00 73				
80	90	7	10						4 30 17		
80	90		7								4 80 19
80	95		7								4 80 09
85	93	5	7	90			4 00 65				
85	100	5	9						4 60 06		
86	94	4	7	92				4 00 22			
90	98	4	7	96				4 00 57			
90	100		7								4 80 18
90	100	7	10						4 30 29		
95	110	5	9						4 60 08		
97	105	5	7	102			4 00 78				
100	108	4	7	106				4 00 58			
100	110		7								4 80 20
105	115		7								4 80 21
105	117	5,5	10	114				4 00 24			
106	118	5,5	10	115				4 00 30			
110,9	124,3	5	7	118			4 00 82				
110	125		9								4 80 22
118	126	5	7	123			4 00 29				
120	130	7	10						4 30 53		
120	135		9								4 80 23
128	140	5,5	10	137				4 00 31			
133,4	148,1	5	7	142			4 00 83				
135	150	9	12						4 30 59		
140	155		9								4 80 24
143	151	5	7	148			4 00 67				
152	164	5,5	10	161				4 00 25			
171	179	5	7	179			4 00 79				

Shaft Seals

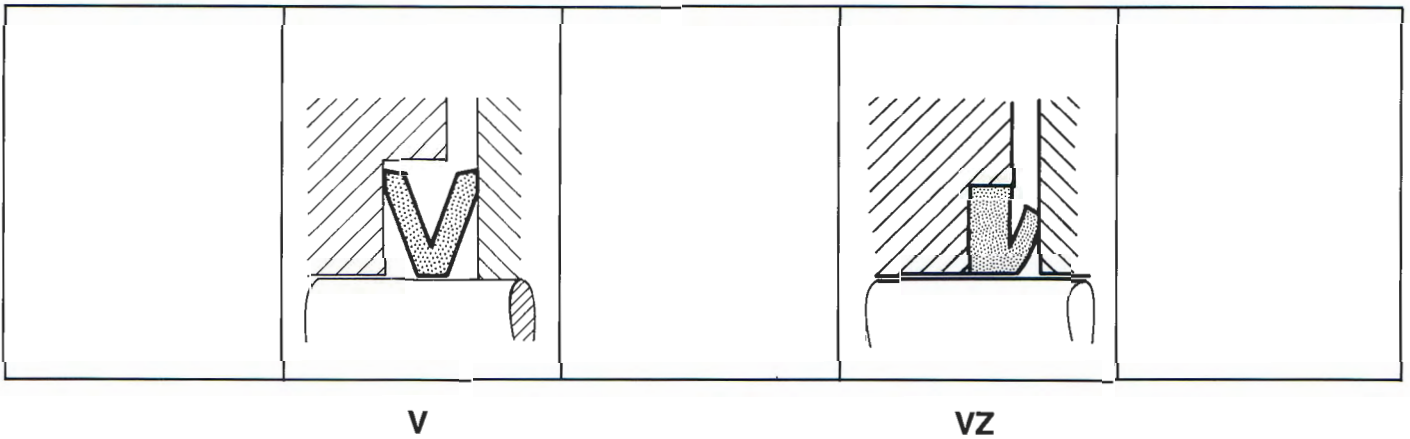


AW

ACLATHAN® Shaft Seals are mounted in front of Radial Seals to protect the delicate sealing lips against abrasive articles. The use as scraper ring is possible. The housing must be adapted to the ACLATHAN® Shaft Seal type

AW. Sizes and design available on request. Application: mining and agricultural machinery construction, ore and earth moving equipment where bearings, shafts and seals are exposed to extreme conditions.

Radial Seals



ACLA V-Rings are sealing elements made from ACLATHAN®. They are used as protection against dirt and spray water. The combination of material properties as well as the shape determine the efficiency of the seal. When fitting the limbs of the V-Rings are compressed by a certain amount to get the sealing prestress required. Fitted between two radial surfaces they compensate not only axial displacement, but also oscillating motions

up to about 2°. Different V-Ring diameters can be combined to a set. The single piece ACLA V-Ring is used for the protection of ball- and socket joints, ball and roller bearings, sliding bearings as well as axle seals. The ACLA VZ-Ring is a unilateral type. The reinforced supporting part enables the fitting into a corresponding circular groove. By means of prestressing the outside or inside diameter you can get a firm fit.

V		maximum prestressing * $\varnothing d_2 = d_1 - 2s$ * $\varnothing D_2 = D_1 + 2s$ minimum prestressing * $b_2 \text{ max.} = b_1 - 2s$ * $b_3 \text{ min.},$ up to V70 = $2s + 1$ V70 up to V160 = $2s + 2$ V160 up to V300 = $2s + 3$
V-Ring used as a selfaligning bearing seal	V-Ring used as a ball bearing seal	V-Ring used as a plain bearing seal
VZ		

ACLATHAN®-V-Ring-Dichtungen

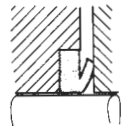
ACLATHAN®-V-Rings

ACLATHAN®-Joints en »V«

Typ:

V

VZ



Dimension [mm]:

Type	d ₁	D ₁	b ₁	s						Art.-Nr.	Art.-Nr.
15	19,5	23,5	3	0,5						26 00 16	
17	22,5	27,5	4	0,75						26 17 01	
20*	26	32	4	0,75						26 20 01	
25*	31	38,5	4,5	0,75						26 25 01	
30*	36	43	5	0,75						26 30 01	
35*	42	51	6	0,8						26 35 01	
40*	47,5	57,5	7	1						26 40 01	
45*	54	64	7	1						26 45 01	
50*	59	71	7	1						26 05 01	
60*	71	86	9	1						26 06 01	
70*	82	100	9	1,25						26 07 01	
80*	96	112	10	1,5						26 08 01	
90*	103	121	12	1,5						26 09 01	
100*	116	142	16,5	1,5						26 50 01	
110*	127	152	16,5	1,5						26 51 01	
120*	137	162	15	1,5						26 52 01	
130*	142	168	16	2						26 00 14	
140*	164	192	16	2						26 54 01	
160*	180	212	18	2						26 56 01	
180*	208	238	18	2						26 58 01	
200*	226	268	25	2						26 60 01	
220*	248	288	25	3,5						26 62 01	
240*	274	308	25	3,5						26 64 01	
260*	298	338	25	3,5						26 66 01	
280*	321	364	25	3,5						26 68 01	
300*	346	394	28	3,5						26 70 01	
320*	365	420	35	4						26 00 30	
	380	424	27	2,5						26 00 22	
	380	424	27	4						26 00 60	
	405	440	20	4						26 00 29	
	450	496	28	2,5						26 00 59	
	450	496	28	4						26 00 33	
	460	500	20	4						26 00 32	
	590	650	35	2,5						26 00 23	
	590	650	35	4,8						26 00 58	

Summary of our manufacturing programme

Polyurethane with homogeneous structure

wipers, buffers for cranes and lifts, linings, strips, coatings, seals, bellows, springs, foils, guide shoe inserts, sleeves, couplings, bearing bushes, rollers, packings, diaphragms, sheets, cushions, press die supports, squeegees, tyres, friction wheels, rings, channel linings, O-rings, suction cups, rope pulleys, valve seals, roller coatings etc.

made from ACLATHAN® / ACLAN®

cast, centrifuged, compression moulded, injection moulded or spray coated.



ACLATHAN® - / ACLAN®-parts

Polyurethane with cellular structure

strips, blocks, dampening elements, seals, springs, shaped soles, moulded parts, buffers etc.

made from ACLACELL® / AUTAN®



ACLACELL® - / AUTAN®-parts

Thermoplastics and thermosetting plastics

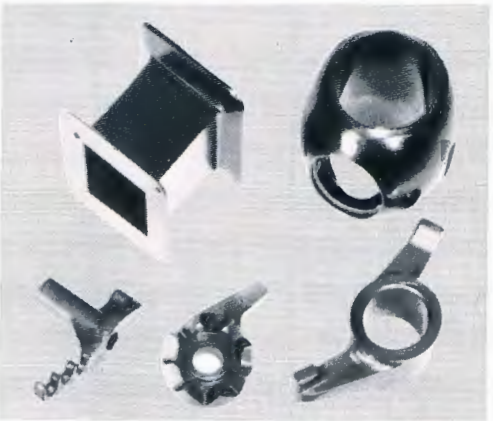
Technical plastic articles as per drawing or sample preferably as precision parts.

Wipers, bushes, seals, guide shoes, casings, plain bearings, V-belt pulleys, coupling elements, machine parts, rollers etc.

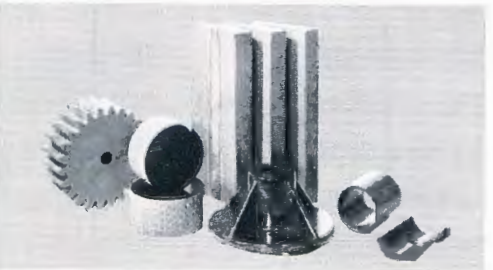
semi-finished products like sheets, sleeves or bars

made from ACLAIT® (laminated fabric or paper)
ACLAMID® (nylon)
ACLASYN (polyethylene, polypropylene, polycarbonate, polystyrene etc.)
ACLAFLON (PTFE)

injection and compression moulded or machined.



injection and compression moulded parts



machined parts

Der Katalog kann nicht über alle auftretenden Dichtungsfragen erschöpfend Auskunft geben. Die Empfehlungen sind allgemein und unverbindlich. Konstruktive und maßliche Änderungen oder Ergänzungen sind möglich.

This catalogue cannot give full information on all aspects of sealing. Our recommendations are made in a general way and without engagement. Modifications of design and dimensions are possible.

Notre catalogue ne peut pas répondre en détail à toutes les questions. Les recommandations sont générales et sans engagement de notre part. Autres dimensions et profils sur demande.





Die ACLA-WERKE gehören zu den führenden Herstellern von technischen Artikeln aus Polyurethan-Elastomeren. Eigene Entwicklungen haben zu PUR-Typen hoher Qualität geführt.

ACLATHAN® ist unsere Bezeichnung für verschiedene Rohstoffsysteme hochwertiger Polyurethan-Elastomere nach unserer Rezeptur und Verfahrenstechnik. Mit neuen Erkenntnissen und 30jähriger Erfahrung bieten wir wirtschaftliche Problemlösungen an.

ACLA-WERKE are one of the leading manufacturers of precision made polyurethane items.

This has been made possible by our own developments of special high quality polyurethane-elastomers.

ACLATHAN® is our name for a modified raw material system that produces a higher class polyurethane-elastomer based on our own processing technique. We are able to offer economic solutions for problems with our latest technical know-how and experience for 30 years.

ACLA-WERKE est un des plus importants fabricants d'articles techniques en élastomères de polyuréthane (PUR).

Nos propres développements ont abouti à la création de types de PUR de très haute qualité.

ACLATHAN® est notre marque de PUR, pour différentes matières premières élaborées selon nos propres formulations et procédés techniques.

Les plus récentes connaissances et expériences de 30 ans nous permettent d'apporter une solution économique à tous les problèmes.

ACLATHAN® ist ein hoch-elastischer Kunststoff mit besonderen, hervorragenden Eigenschaften in bezug auf Verschleißfestigkeit, Ölbeständigkeit, Weiterreißfestigkeit, Dämpfung und Ozonbeständigkeit.

ACLATHAN® is a resilient plastic material with excellent characteristics concerning wearability, resistance to oil and ozone, tear strength and damping.

ACLATHAN® est un matériau à hautes propriétés élastiques possédant de particulières et remarquables qualités telles que:

- résistance à l'usure
- stabilité à l'huile
- résistance à la déchirure amorcée
- pouvoir d'amortissement
- résistance à l'ozone
- tenue à basse température etc.

ACLA-WERKE GMBH · D 5000 KÖLN 80

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