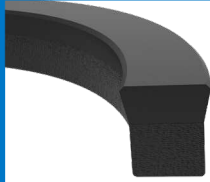
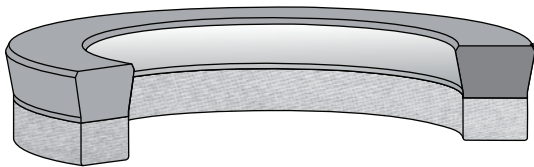


UP1

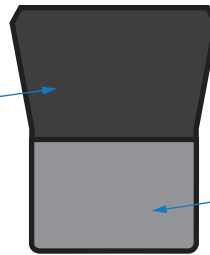


El UP1 es una junta en U de perfil simétrico y simple efecto, de diseño compacto, con el labio de estanqueidad rebajado y el respaldo reforzado con tejido. Gracias a su geometría reversible puede montarse como junta de vástago o de pistón. El refuerzo de tejido evita la extrusión en la holgura y reduce la fricción, lo que le permite ofrecer un excelente cierre incluso a bajas presiones y trabajar con fiabilidad frente a picos de presión.

The UP1 is a symmetrical single-acting U-shaped seal with a compact design, a recessed sealing lip and a fabric-reinforced back. Thanks to its reversible geometry it can be fitted as a rod or piston seal. The fabric reinforcement prevents gap extrusion and reduces friction, allowing it to provide excellent sealing even at low pressures and to work reliably against pressure peaks.



Aro de sellado
Sealing ring



Aro de refuerzo
Reinforcement ring



-50°C
350°C



25MPa



< 0.5m/s



6mm
2000mm

- Perfil simétrico que permite el uso como junta de vástago o de pistón.
- Simple efecto, para carga de presión por un solo lado.
- Respaldo reforzado con tejido que evita la extrusión en la holgura.
- El tejido reduce la fricción y aumenta la fiabilidad frente a picos de presión.
- Excelente cierre incluso en el rango de bajas presiones, con alta precarga.
- Diseño compacto y montaje sencillo por encaje (snap-on).



- Symmetrical profile allowing use as rod or piston seal.
- Single acting, for one-sided pressure load.
- Fabric-reinforced back that prevents gap extrusion.
- The fabric reduces friction and increases reliability against pressure peaks.
- Excellent sealing even in the low-pressure range, with high preload.
- Compact design and simple snap-on assembly.

Disponible en distintos compuestos según el fluido y la temperatura de trabajo: NBR, EPDM, FKM, FFKM, NR, CR, VMQ en durezas de entre 70 y 90 Shore A. PTFE en dureza de 60 Shore D. Todos ellos cuentan con aro de refuerzo fabricado con tejido de algodón que aporta resistencia a la extrusión. Ofrece un buen comportamiento frente a aceites hidráulicos según DIN 51524 partes 1 a 3, aceites y grasas lubricantes de base mineral y fluidos hidráulicos ignífugos HFA, HFB y HFC según VDMA 24317.

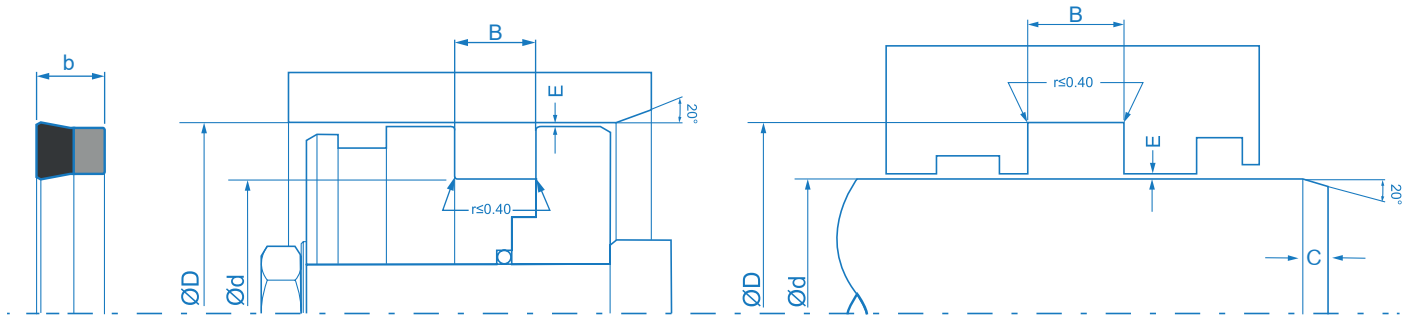
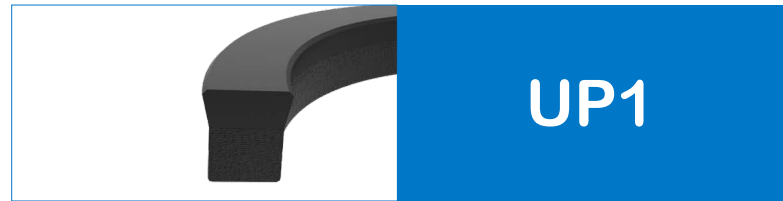


Available in different compounds depending on the fluid and the working temperature: NBR, EPDM, FKM, FFKM, NR, CR, VMQ in hardnesses between 70 and 90 Shore A. PTFE in a hardness of 60 Shore D. All of them feature a reinforcement ring made of cotton fabric that provides resistance to extrusion. It offers good performance against hydraulic oils to DIN 51524 parts 1 to 3, mineral-based lubricating oils and greases, and HFA, HFB and HFC fire-resistant hydraulic fluids to VDMA 24317.

Montaje en ranura axialmente abierta. Achaflanar y desbarbar los cantos del alojamiento y del vástago o pistón, y limpiar bien el alojamiento antes de instalar. No arrastrar la junta sobre cantos vivos, roscas o chaveteros, usando un casquillo de montaje si es necesario. Calentar la junta en aceite a 80 °C facilita su colocación, y el espacio entre labios puede rellenarse con un 40 % de grasa aproximadamente.

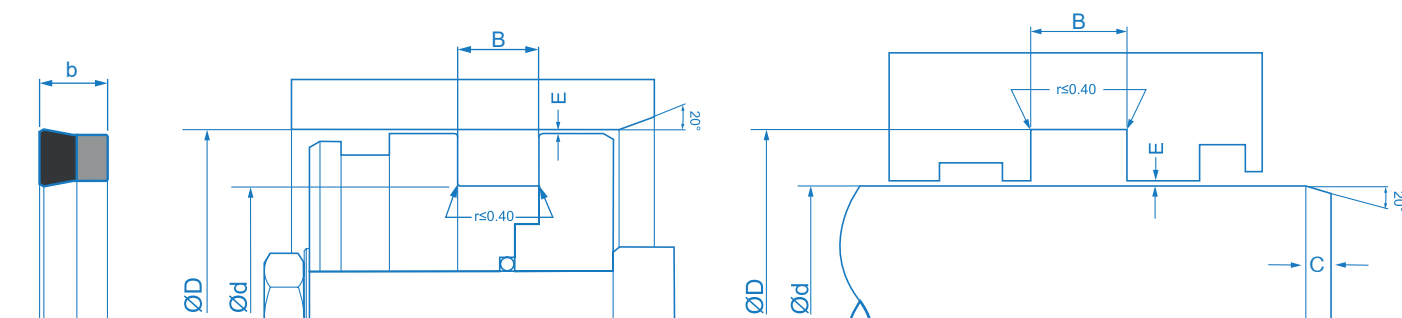
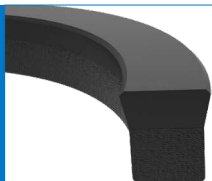


Fit in an axially open groove. Chamfer and deburr the edges of the housing and of the rod or piston, and clean the housing thoroughly before installation. Do not pull the seal over sharp edges, threads or keyways, using a mounting sleeve if necessary. Heating the seal in oil at 80 °C makes fitting easier, and the space between the sealing lips can be filled with approximately 40 % grease.

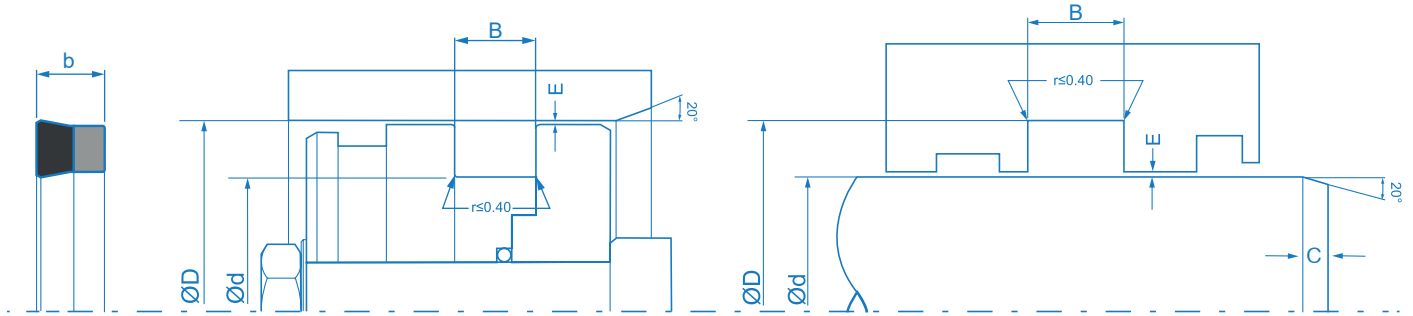
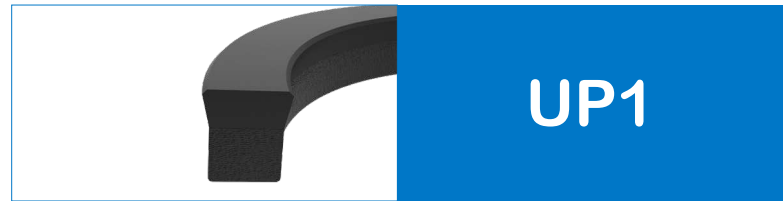


NO.	Ød	ØD	b	B	C
U-4.76*12.7*5.72 UP1	4.76	12.7	5.72	6.35	3
U-10*17*5.65 UP1	10	17	5.65	6.3	3
U-10*18*5.4 UP1	10	18	5.4	6	3
U-12*20*5.65 UP1	12	20	5.65	6.3	3
U-14*22*5.65 UP1	14	22	5.65	6.3	3
U-15*23*5.65 UP1	15	23	5.65	6.3	3
U-16*24*5.65 UP1	16	24	5.65	6.3	3
U-16*24*5.85 UP1	16	24	5.85	6.5	3
U-16*24*6.3 UP1	16	24	6.3	7	3
U-18*26*5.65 UP1	18	26	5.65	6.3	3
U-18*24*4.68 UP1	18	24	4.68	5.2	3
U-18*25*6.3 UP1	18	25	6.3	7	3
U-18*26*6.3 UP1	18	26	6.3	7	3
U-20*28*5.65 UP1	20	28	5.65	6.3	3
U-20*26*4.95 UP1	20	26	4.95	5.5	3
U-20*27*5.85 UP1	20	27	5.85	6.5	3
U-20*28*6.3 UP1	20	28	6.3	7	3
U-20*30*7.65 UP1	20	30	7.65	8.5	3
U-20*28*5.4 UP1	20	28	5.4	6	3
U-22*30*5.65 UP1	22	30	5.65	6.3	4
U-22*30*5.85 UP1	22	30	5.85	6.5	4
U-22*30*6.3 UP1	22	30	6.3	7	4
U-22*32*6.57 UP1	22	32	6.57	7.3	4
U-22*32*6.3 UP1	22	32	6.3	7	4
U-24*34*5.99 UP1	24	34	5.99	6.65	4
U-25*33*5.65 UP1	25	33	5.65	6.3	4

UP1

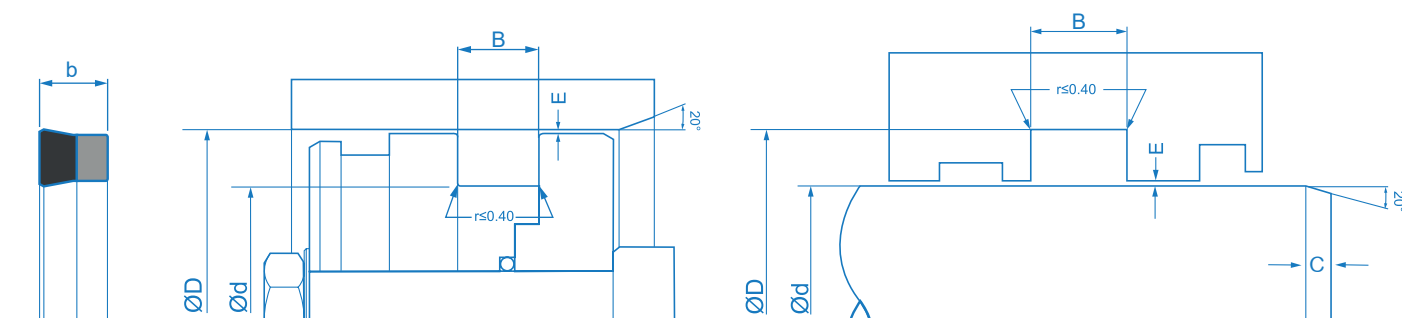
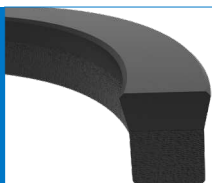


NO.	Ød	ØD	b	B	C
U-25*33*5.4 UP1	25	33	5.4	6	4
U-25*33*5.75 UP1	25	33	5.75	6.4	4
U-25*35*8.1 UP1	25	35	8.1	9	4
U-25*35*5.4 UP1	25	35	5.4	6	4
U-25.4*34.92*5.72 UP1	25.4	34.92	5.72	6.35	4
U-28*36*5.65 UP1	28	36	5.65	6.3	4
U-28*36*5.4 UP1	28	36	5.4	6	4
U-30*38*5.65 UP1	30	38	5.65	6.3	4
U-30*38*5.4 UP1	30	38	5.4	6	4
U-30*40*5.65 UP1	30	40	5.65	6.3	4
U-30*40*6.75 UP1	30	40	6.75	7.5	4
U-30*40*6.3 UP1	30	40	6.3	7	4
U-30*38*5.75 UP1	30	38	5.75	6.4	4
U-30*37.5*5.85 UP1	30	37.5	5.85	6.5	4
U-30*40*5.4 UP1	30	40	5.4	6	4
U-31.75*47.62*10.45 UP1	31.75	47.62	10.45	11.6	4
U-32*40*5.65 UP1	32	40	5.65	6.3	4
U-33*46*7.65 UP1	33	46	7.65	8.5	4
U-35*43*5.65 UP1	35	43	5.65	6.3	4
U-35*45*7.2 UP1	35	45	7.2	8	4
U-35*43*5.4 UP1	35	43	5.4	6	4
U-35*50*10.35 UP1	35	50	10.35	11.5	4
U-35*43*5.85 UP1	35	43	5.85	6.5	4
U-35*45*6.75 UP1	35	45	6.75	7.5	4
U-36*44*5.65 UP1	36	44	5.65	6.3	4
U-36*43*5.85 UP1	36	43	5.85	6.5	4

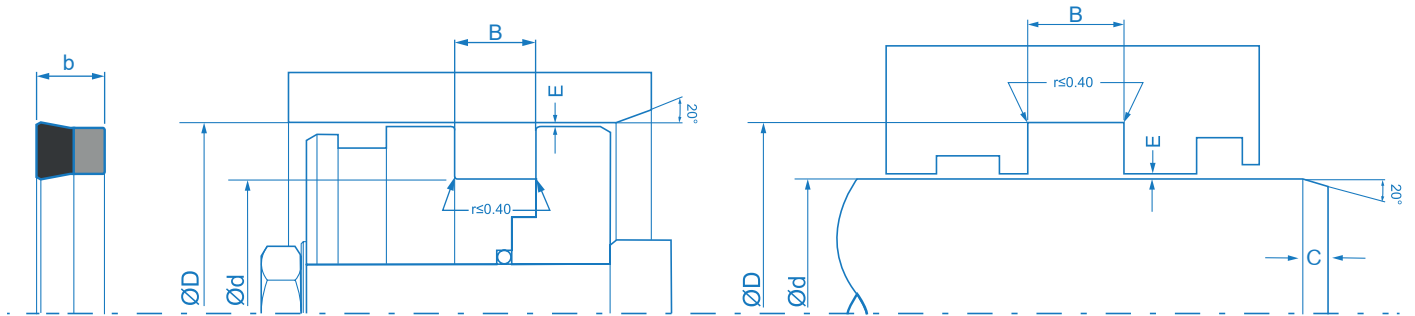
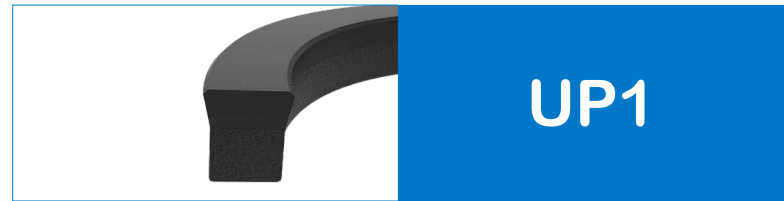


NO.	$\varnothing d$	$\varnothing D$	b	B	C
U-36*46*7.65 UP1	36	46	7.65	8.5	4
U-40*48*5.65 UP1	40	48	5.65	6.3	5
U-40*50*7.2 UP1	40	50	7.2	8	5
U-40*48*7.2 UP1	40	48	7.2	8	5
U-40*50*6.3 UP1	40	50	6.3	7	5
U-40*48*5.85 UP1	40	48	5.85	6.5	5
U-40*60*13.05 UP1	40	60	13.05	14.5	5
U-40*50*9.9 UP1	40	50	9.9	11	5
U-40*48*6.3 UP1	40	48	6.3	7	5
U-40*48*8.1 UP1	40	48	8.1	9	5
U-42*50*5.65 UP1	42	50	5.65	6.3	5
U-45*53*7.65 UP1	45	53	7.65	8.5	5
U-45*55*7.2 UP1	45	55	7.2	8	5
U-45*55*9.45 UP1	45	55	9.45	10.5	5
U-45*60*9.9 UP1	45	60	9.9	11	5
U-45*65*13.05 UP1	45	65	13.05	14.5	5
U-45*53*5.65 UP1	45	53	5.65	6.3	5
U-45*53*5.4 UP1	45	53	5.4	6	5
U-45*60*10.8 UP1	45	60	10.8	12	5
U-48*60*9 UP1	48	60	9	10	5
U-50*62*8.55 UP1	50	62	8.55	9.5	5
U-50*60*6.75 UP1	50	60	6.75	7.5	5
U-50*60*7.2 UP1	50	60	7.2	8	5
U-50*60*9 UP1	50	60	9	10	5
U-50*70*13.05 UP1	50	70	13.05	14.5	5
U-50*62*8.1 UP1	50	62	8.1	9	5

UP1



NO.	Ød	ØD	b	B	C
U-55*65*7.2 UP1	55	65	7.2	8	5
U-55*70*9.45 UP1	55	70	9.45	10.5	5
U-55*63*7.5 UP1	55	63	7.5	8.3	5
U-55*65*6.3 UP1	55	65	6.3	7	5
U-56*66*7.2 UP1	56	66	7.2	8	5
U-56*71*12.6 UP1	56	71	12.6	14	5
U-60*70*7.2 UP1	60	70	7.2	8	5
U-60*70*6.75 UP1	60	70	6.75	7.5	5
U-60*72*8.55 UP1	60	72	8.55	9.5	5
U-60*72*9 UP1	60	72	9	10	5
U-60*75*11.7 UP1	60	75	11.7	13	5
U-60*80*13.05 UP1	60	80	13.05	14.5	5
U-65*77*8.65 UP1	65	77	8.65	9.6	5
U-70*80*6.75 UP1	70	80	6.75	7.5	5
U-70*82*8.65 UP1	70	82	8.65	9.6	5
U-70*82*8.1 UP1	70	82	8.1	9	5
U-70*90*12.6 UP1	70	90	12.6	14	5
U-70*80*7.2 UP1	70	80	7.2	8	5
U-70*85*10.8 UP1	70	85	10.8	12	5
U-70*85*9 UP1	70	85	9	10	5
U-70*90*11.7 UP1	70	90	11.7	13	5
U-75*87*8.4 UP1	75	87	8.4	9.3	5
U-75*85*7.2 UP1	75	85	7.2	8	5
U-75*90*9 UP1	75	90	9	10	5
U-75*90*10.35 UP1	75	90	10.35	11.5	5
U-80*92*8.65 UP1	80	92	8.65	9.6	5



NO.	Ød	ØD	b	B	C
U-80*96*9 UP1	80	96	9	10	5
U-80*92*8.1 UP1	80	92	8.1	9	5
U-80*90*7.2 UP1	80	90	7.2	8	5
U-85*97*8.65 UP1	85	97	8.65	9.6	5
U-90*102*8.65 UP1	90	102	8.65	9.6	5
U-90*110*11.25 UP1	90	110	11.25	12.5	5
U-100*115*10.8 UP1	100	115	10.8	12	7
U-100*120*12.6 UP1	100	120	12.6	14	7
U-105*125*11.25 UP1	105	125	11.25	12.5	7
U-110*125*10.8 UP1	110	125	10.8	12	7
U-110*130*10.8 UP1	110	130	10.8	12	7
U-110*126*11.1 UP1	110	126	11.1	12.3	7