

UIP

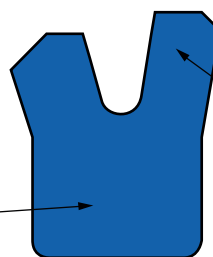


El UIP es una junta de vástago hidráulica de perfil en U, de diseño asimétrico y simple efecto, fabricada en poliuretano. El labio interior acortado y el labio de estanqueidad retranqueado reparten el contacto de forma progresiva, mientras que el ajuste firme en el diámetro exterior asegura la estanqueidad estática dentro de la ranura. Trabaja con carga de presión por un solo lado y aprovecha la propia presión del sistema para reforzar el efecto de sellado.

The UIP is a hydraulic U-profile rod seal with an asymmetrical, single-acting design, manufactured in polyurethane. The shortened inner lip and the recessed sealing lip distribute the contact progressively, while the tight fit on the outer diameter ensures static sealing inside the groove. It works under one-sided pressure load and uses the system pressure itself to reinforce the sealing effect.



Anillo de PU
PU ring



Labios de sellado asimétricos
Asymmetrical sealing lips



-40°C
100°C



40MPa



< 0.5m/s



6mm
2000mm

- Perfil en U asimétrico de simple efecto, con labio interior acortado.
- Labio de estanqueidad retranqueado, para un contacto progresivo y un rozamiento contenido.
- Ajuste firme en el diámetro exterior, que garantiza la estanqueidad estática en la ranura.
- La presión del sistema incrementa el efecto de estanqueidad.
- Buen comportamiento de estanqueidad, tanto estática como dinámica.
- Elevada resistencia al desgaste.



- Asymmetrical single-acting U-profile with a shortened inner lip.
- Recessed sealing lip, for progressive contact and controlled friction.
- Tight fit on the outer diameter, ensuring static sealing in the groove.
- System pressure increases the sealing effect.
- Good sealing performance, both static and dynamic.
- High wear resistance.

El UIP se fabrica en poliuretano (PU) de 92 a 95 ShoreA, un material que combina una elevada resistencia mecánica y al desgaste con una gran capacidad de recuperación elástica, lo que permite trabajar a presiones altas sin extrusión. Es compatible con aceites hidráulicos según DIN 51524 partes 1 a 3, aceites lubricantes, grasas de base mineral y fluidos hidráulicos ignífugos HFA, HFB y HFC según VDMA 24317.

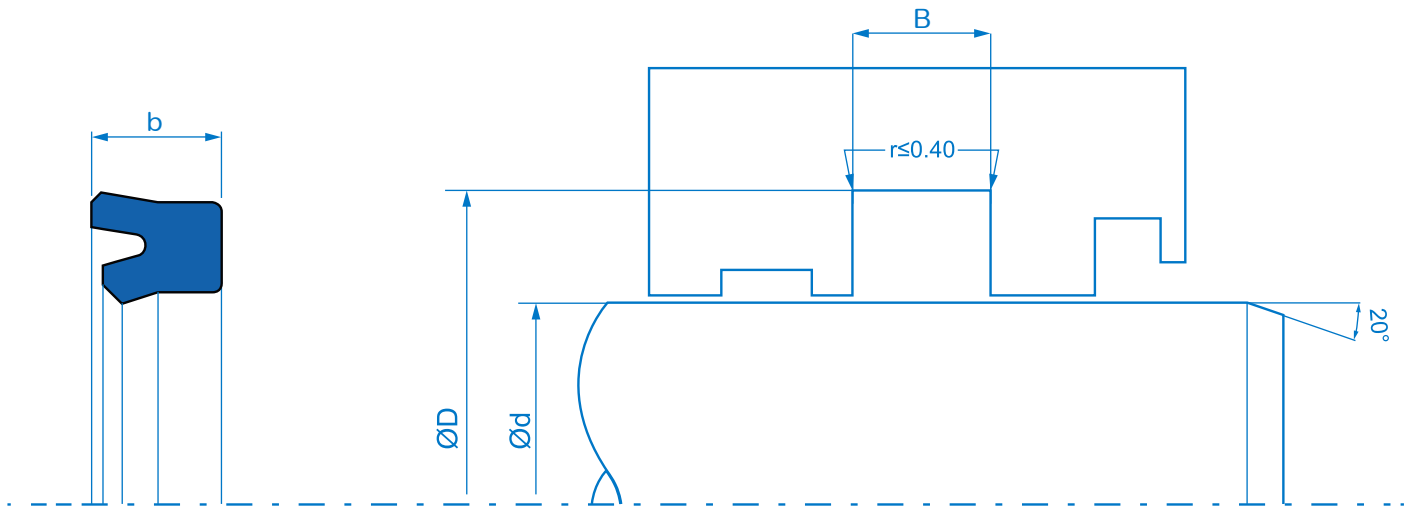


The UIP is manufactured in 92 to 95 Shore A polyurethane (PU), a material that combines high mechanical and wear resistance with excellent elastic recovery, allowing it to work at high pressures without extrusion. It is compatible with hydraulic oils according to DIN 51524 parts 1 to 3, lubricating oils, mineral-based greases and HFA, HFB and HFC fire-resistant hydraulic fluids according to VDMA 24317.

Se monta en ranura cerrada y mecanizada. Achaflane los cantos del alojamiento y del vástago según el plano de montaje, elimine las rebabas y limpie el alojamiento antes de instalar la junta. No arrastre el sello sobre cantos vivos, roscas o chaveteros, utilice un casquillo de montaje si es necesario. Lubrique el vástago con aceite o grasa antes del montaje.

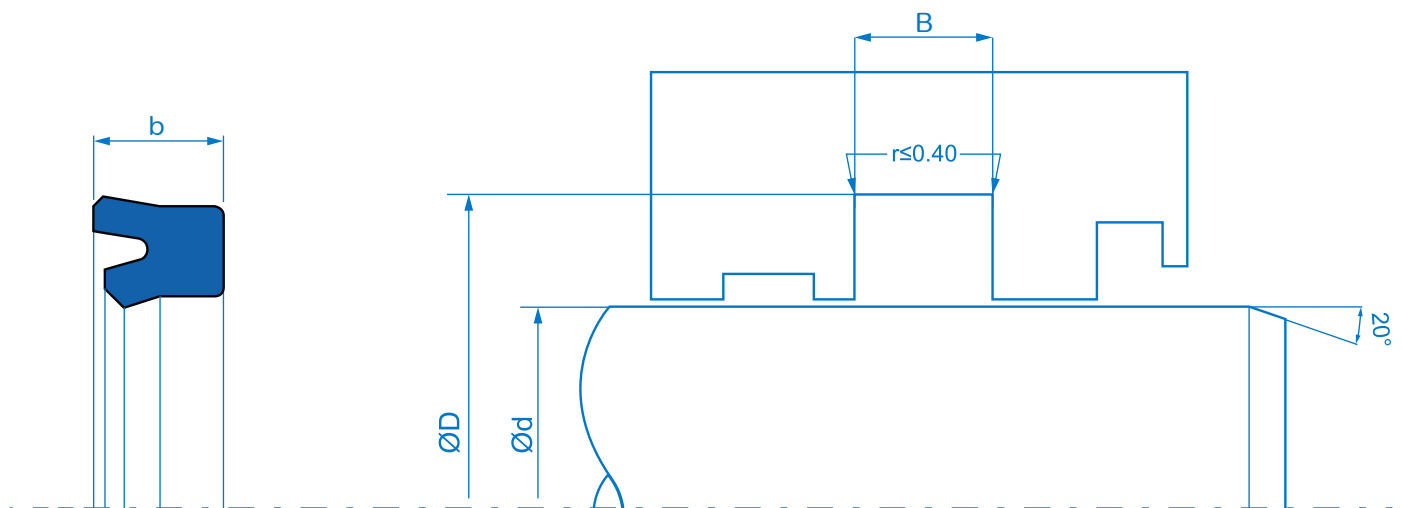


It is fitted in a closed, machined groove. Chamfer the edges of the housing and the rod according to the installation drawing, remove any burrs and clean the housing before fitting the seal. Do not pull the seal over sharp edges, threads or keyways, use a mounting sleeve if necessary. Lubricate the rod with oil or grease before assembly.

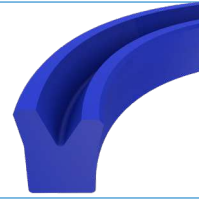


NO.	Ød	ØD	b	B	C
U-2*5.5*2.6 UIP	2	5.5	2.6	3.1	2
U-4*12*6 UIP	4	12	6	7	4
U-4*12*4.5 UIP	4	12	4.5	5	4
U-4*8*3 UIP	4	8	3	3.5	2
U-5*10*4 UIP	5	10	4	4.5	2
U-6.35*12.7*3.96 UIP	6.35	12.7	3.96	4.46	3
U-6*12*4 UIP	6	12	4	4.5	3
U-8*13.2*3.1 UIP	8	13.2	3.1	3.6	2
U-8*16*5.5 UIP	8	16	5.5	6.5	4
U-8*14*4.5 UIP	8	14	4.5	5	3
U-8*14*4 UIP	8	14	4	4.5	3
U-9.52*16.5*3.96 UIP	9.52	16.5	3.96	4.46	3.5
U-9*15*9 UIP	9	15	9	10	3
U-10*14*4 UIP	10	14	4	4.5	2
U-10*18*5.5 UIP	10	18	5.5	6.5	4
U-10*13.6*2.3 UIP	10	13.6	2.3	2.8	2
U-10*14*2 UIP	10	14	2	2.5	2
U-10*16*4.5 UIP	10	16	4.5	5	3
U-12*22*7.5 UIP	12	22	7.5	8.5	4.5
U-12*18*4.5 UIP	12	18	4.5	5	3
U-12*20*5.5 UIP	12	20	5.5	6.5	4
U-14*18*4 UIP	14	18	4	4.5	2
U-14*22*5.5 UIP	14	22	5.5	6.5	4
U-14.28*20.63*4.76 UIP	14.28	20.63	4.76	5.76	3
U-14.28*20.63*4.76 UIP	14.28	20.63	4.76	5.76	3
U-14*19*3.5 UIP	14	19	3.5	4	2

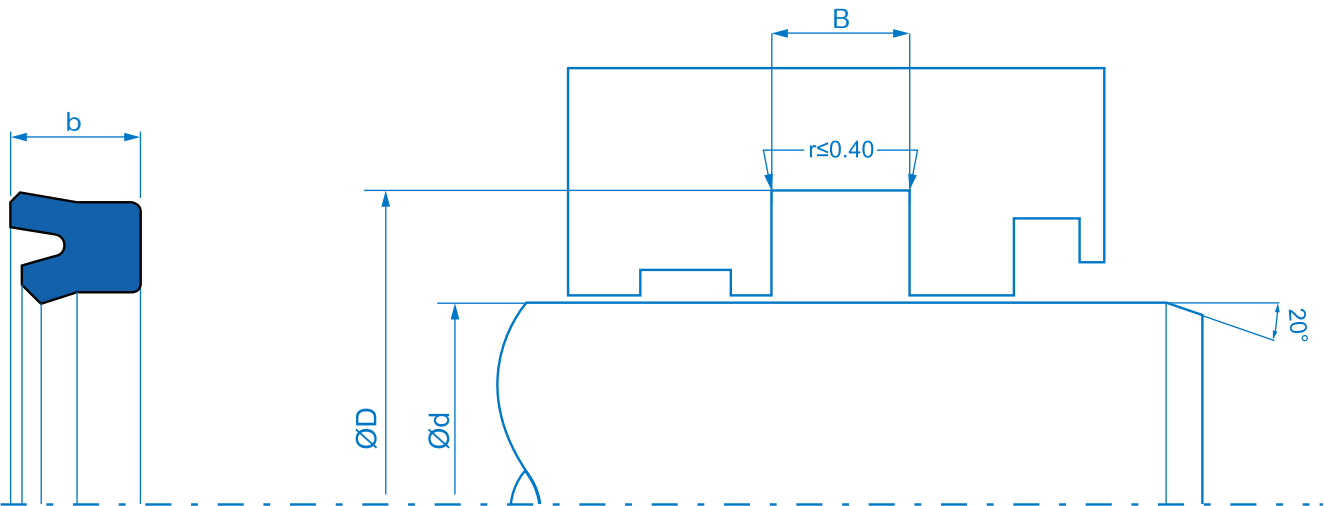
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NO.	$\varnothing d$	$\varnothing D$	b	B	C
U-14*19*3.5 UIP	14	19	3.5	4	2
U-15*23*6.3 UIP	15	23	6.3	7.3	4
U-15*23*6.3 UIP	15	23	6.3	7.3	4
U-15.87*22.22*4.76 UIP	15.87	22.22	4.76	5.76	3
U-15*19*4 UIP	15	19	4	4.5	2
U-15*22*4.3 UIP	15	22	4.3	4.8	3.5
U-16*24*5 UIP	16	24	5	6	4
U-16*24*5.5 UIP	16	24	5.5	6.5	4
U-16*26*7 UIP	16	26	7	8	4.5
U-16*23*5.5 UIP	16	23	5.5	6.5	3.5
U-16*22.5*4.5 UIP	16	22.5	4.5	5	3
U-16*22*5 UIP	16	22	5	6	3
U-16*20.6*3.3 UIP	16	20.6	3.3	3.8	3
U-17.46*23.81*4.76 UIP	17.46	23.81	4.76	5.26	3
U-18*24*5 UIP	18	24	5	6	3
U-18*25*5 UIP	18	25	5	6	3.5
U-18*25*5.5 UIP	18	25	5.5	6.5	3.5
U-18*26*4.5 UIP	18	26	4.5	5	4
U-18*28*8.2 UIP	18	28	8.2	9.2	4.5
U-18*25*4.5 UIP	18	25	4.5	5	3.5
U-18*26*5.5 UIP	18	26	5.5	6.5	4
U-18*24*4.2 UIP	18	24	4.2	4.7	3
U-19.05*25.4*4.76 UIP	19.05	25.4	4.76	5.76	3
U-20*30*6 UIP	20	30	6	7	4.5
U-20*28*5.5 UIP	20	28	5.5	6.5	4
U-20*30*8 UIP	20	30	8	9	4.5

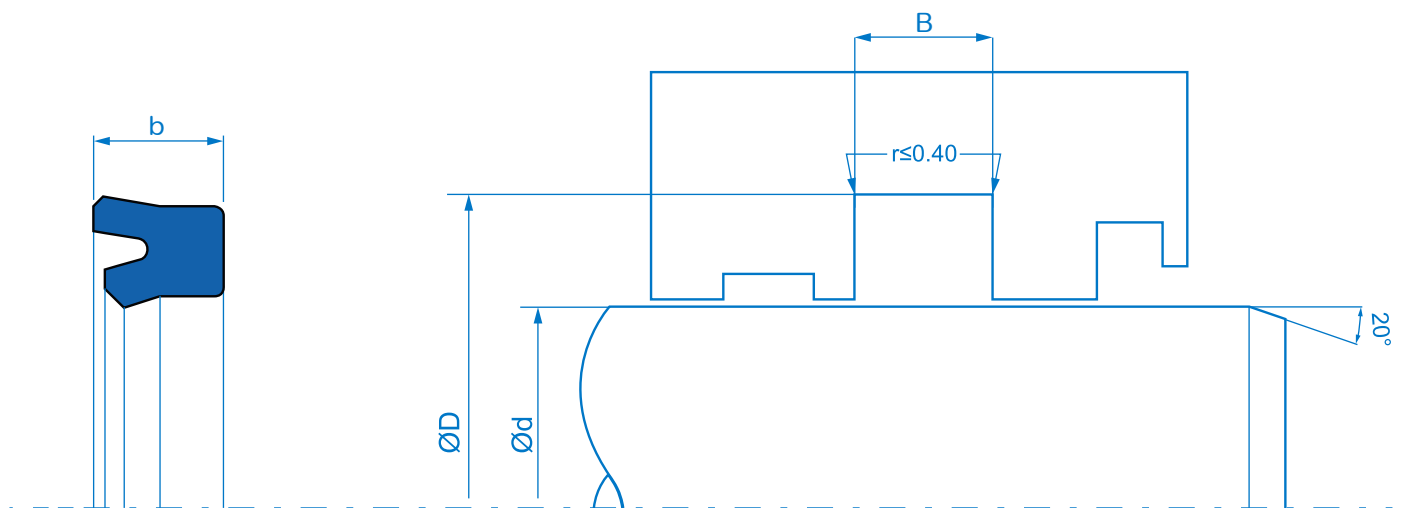


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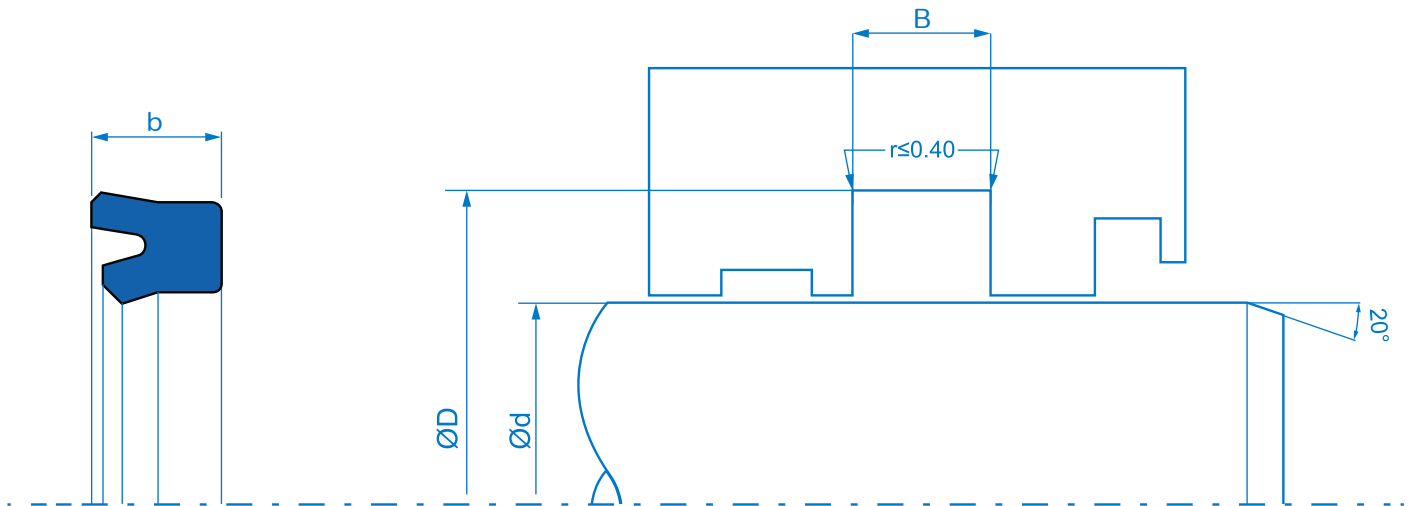


NO.	$\varnothing d$	$\varnothing D$	b	B	C
U-20*30*7 UIP	20	30	7	8	4.5
U-20*28*5.8 UIP	20	28	5.8	6.8	4
U-22*30*7 UIP	22	30	7	8	4
U-22*30*8 UIP	22	30	8	9	4
U-22*32*6 UIP	22	32	6	7	4.5
U-22*30*5.7 UIP	22	30	5.7	6.7	4
U-22.4*30*4.5 UIP	22.4	30	4.5	5	4
U-22.22*31.75*6.35 UIP	22.22	31.75	6.35	7.35	4.5
U-22.22*31.75*4.76 UIP	22.22	31.75	4.76	5.76	4.5
U-22*30*5.3 UIP	22	30	5.3	6.3	4
U-22*29*5 UIP	22	29	5	6	3.5
U-22*30*5.5 UIP	22	30	5.5	6.5	4
U-23.81*36.51*6.35 UIP	23.81	36.51	6.35	7.35	5
U-24*34*8.5 UIP	24	34	8.5	9.5	4.5
U-24*32*5.5 UIP	24	32	5.5	6.5	4
U-24.5*30*4.4 UIP	24.5	30	4.4	4.9	2
U-25*35*6 UIP	25	35	6	7	4.5
U-25*35*8 UIP	25	35	8	9	4.5
U-25*33*5.5 UIP	25	33	5.5	6.5	4
U-25*32*6 UIP	25	32	6	7	3.5
U-25*32*5.5 UIP	25	32	5.5	6.5	3.5
U-25*37*6 UIP	25	37	6	7	5
U-25*32*7 UIP	25	32	7	8	3.5
U-25*33*10 UIP	25	33	10	11	4
U-25*35*7 UIP	25	35	7	8	4.5
U-25.4*38.1*6.35 UIP	25.4	38.1	6.35	7.35	5

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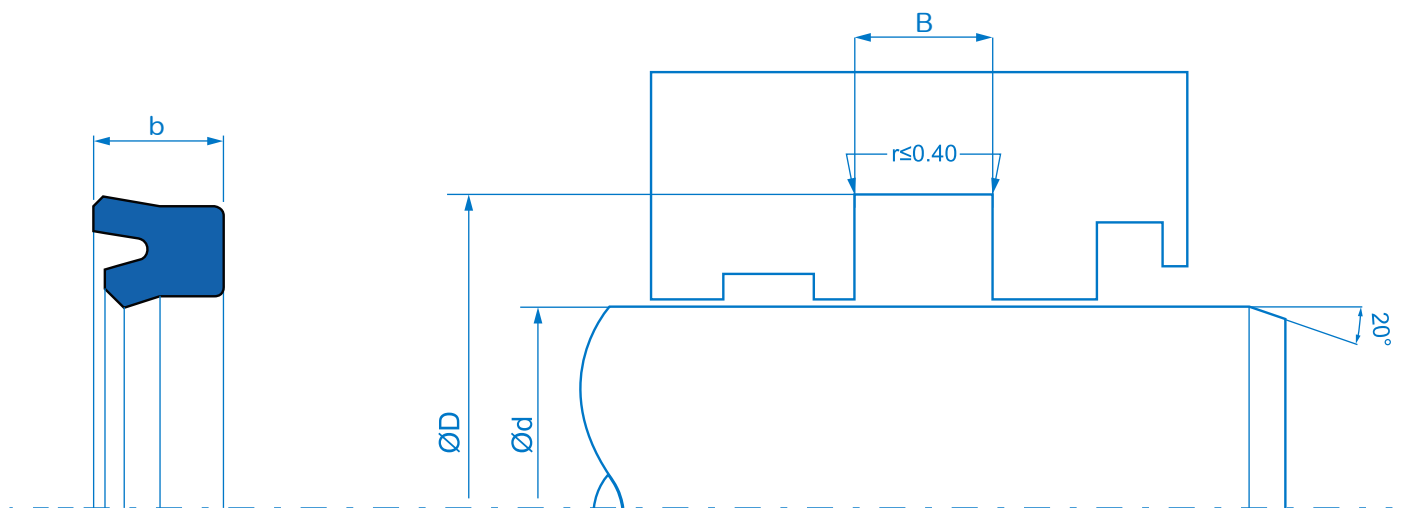


NO.	$\varnothing d$	$\varnothing D$	b	B	C
U-26.99*36.51*6.35 UIP	26.99	36.51	6.35	7.35	4.5
U-28*38*6 UIP	28	38	6	7	4.5
U-28*38*7 UIP	28	38	7	8	4.5
U-28*38*8 UIP	28	38	8	9	4.5
U-28*36*5.7 UIP	28	36	5.7	6.7	4
U-28*36*5.5 UIP	28	36	5.5	6.5	4
U-28*36*8 UIP	28	36	8	9	4
U-28*35.5*5 UIP	28	35.5	5	6	4
U-28*36*5.3 UIP	28	36	5.3	6.3	4
U-30*40*8 UIP	30	40	8	9	4.5
U-30*42*8.5 UIP	30	42	8.5	9.5	5
U-30*40*7 UIP	30	40	7	8	4.5
U-30*38*5.7 UIP	30	38	5.7	6.7	4
U-30*38*8 UIP	30	38	8	9	4
U-30*38*6.3 UIP	30	38	6.3	7.3	4
U-30.16*38.1*6.35 UIP	30.16	38.1	6.35	7.35	4
U-32*42*7 UIP	32	42	7	8	4.5
U-32*40*5.7 UIP	32	40	5.7	6.7	4
U-32*40*8 UIP	32	40	8	9	4
U-32*48*8 UIP	32	48	8	9	5.5
U-34*44*7 UIP	34	44	7	8	4.5
U-35*45*8 UIP	35	45	8	9	4.5
U-35*45*7 UIP	35	45	7	8	4.5
U-35*45*10 UIP	35	45	10	11	4.5
U-35*43*8 UIP	35	43	8	9	4
U-35*43*6 UIP	35	43	6	7	4

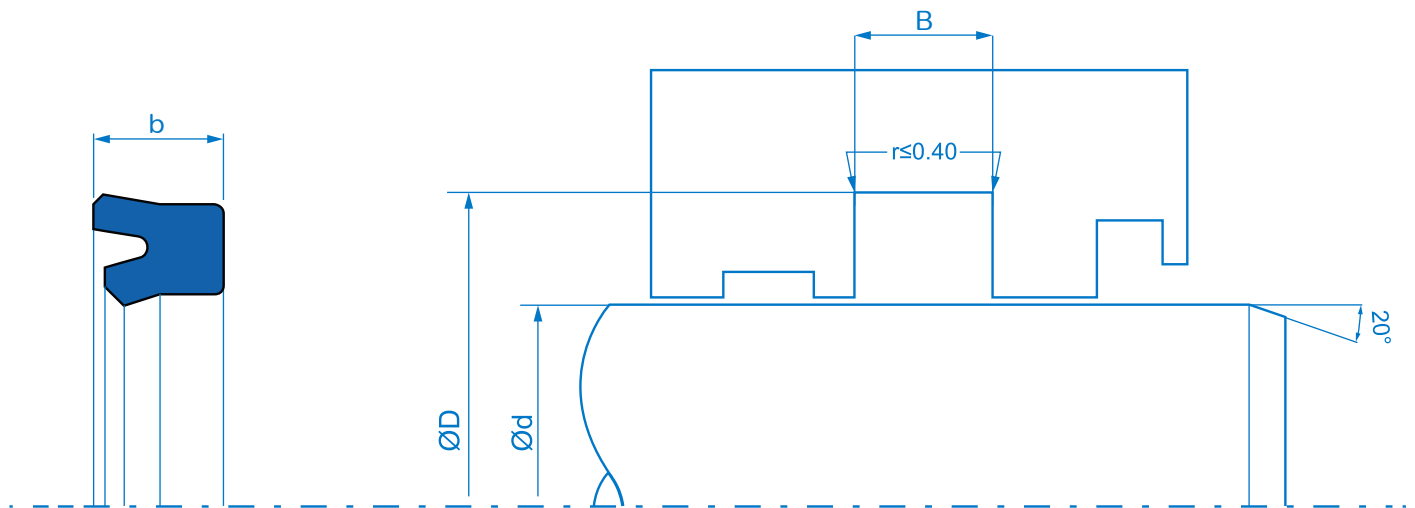


NO.	Ød	ØD	b	B	C
U-35.5*45.2*6 UIP	35.5	45.2	6	7	4.5
U-35.5*40.5*3.5 UIP	35.5	40.5	3.5	4	2
U-35*45*6 UIP	35	45	6	7	4.5
U-35*43*5.3 UIP	35	43	5.3	6.3	4
U-36*46*8 UIP	36	46	8	9	4.5
U-36*46*10 UIP	36	46	10	11	4.5
U-36*44*5.7 UIP	36	44	5.7	6.7	4
U-36*44*5.5 UIP	36	44	5.5	6.5	4
U-36*46*7 UIP	36	46	7	8	4.5
U-36*44*6 UIP	36	44	6	7	4
U-36*44*8 UIP	36	44	8	9	4
U-37*47*8 UIP	37	47	8	9	4.5
U-38.1*50.8*9.52 UIP	38.1	50.8	9.52	10.52	5
U-40*50*10 UIP	40	50	10	11	4.5
U-40*50*8 UIP	40	50	8	9	4.5
U-40*48*8 UIP	40	48	8	9	4
U-40*50*7 UIP	40	50	7	8	4.5
U-40*48*5.4 UIP	40	48	5.4	6.4	4
U-40*48*5.8 UIP	40	48	5.8	6.8	4
U-41.27*50.8*5.56 UIP	41.27	50.8	5.56	6.56	4.5
U-45*55*10 UIP	45	55	10	11	4.5
U-45*55*7 UIP	45	55	7	8	4.5
U-45*60*9 UIP	45	60	9	10	5.5
U-45*60*7 UIP	45	60	7	8	5.5
U-45*55*7.3 UIP	45	55	7.3	8.3	4.5
U-45*55*6 UIP	45	55	6	7	4.5

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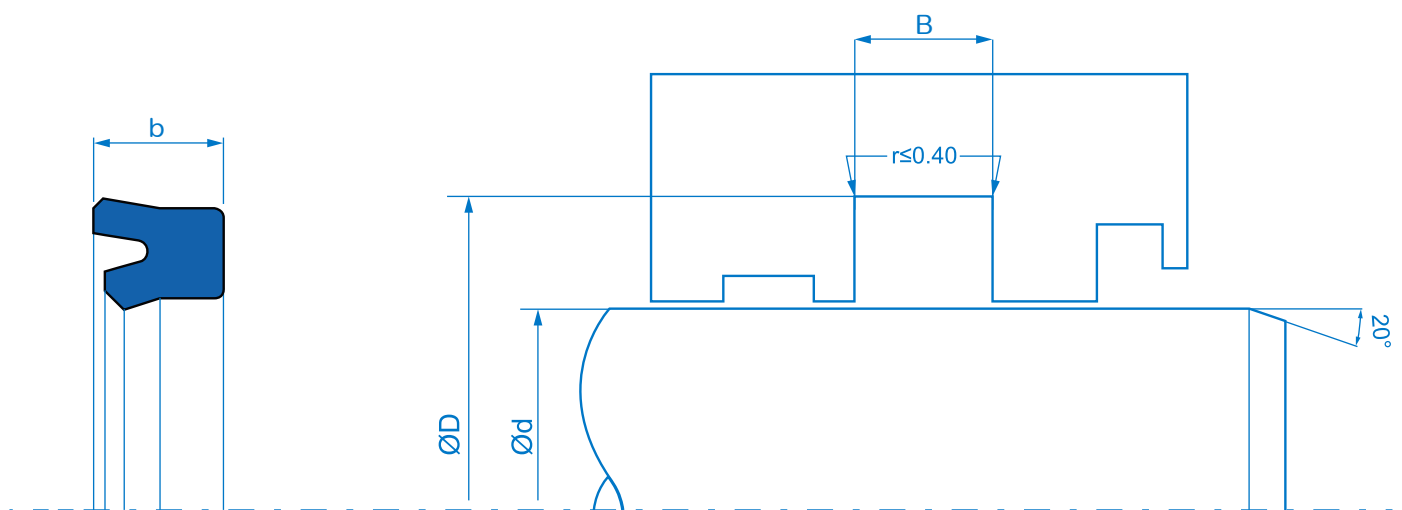


NO.	$\varnothing d$	$\varnothing D$	b	B	C
U-45*61*12 UIP	45	61	12	13	5.5
U-45*62*8 UIP	45	62	8	9	5.5
U-45*55*5.8 UIP	45	55	5.8	6.8	4.5
U-47*56.3*9 UIP	47	56.3	9	10	4.5
U-50*60*10 UIP	50	60	10	11	4.5
U-50*65*10 UIP	50	65	10	11	5.5
U-50*60*7 UIP	50	60	7	8	4.5
U-50*62*8 UIP	50	62	8	9	5
U-50*65*9 UIP	50	65	9	10	5.5
U-50*60*7.5 UIP	50	60	7.5	8.5	4.5
U-50*60*6 UIP	50	60	6	7	4.5
U-50*65*11.5 UIP	50	65	11.5	12.5	5.5
U-55*65*10 UIP	55	65	10	11	4.5
U-55*65*7.3 UIP	55	65	7.3	8.3	4.5
U-55*70*10 UIP	55	70	10	11	5.5
U-56*68*8.5 UIP	56	68	8.5	9.5	5
U-56*71*11.5 UIP	56	71	11.5	12.5	5.5
U-56*66*10 UIP	56	66	10	11	4.5
U-60*70*10 UIP	60	70	10	11	4.5
U-60*70*12 UIP	60	70	12	13	4.5
U-60*75*12 UIP	60	75	12	13	5.5
U-60*70*11 UIP	60	70	11	12	4.5
U-60*74*8 UIP	60	74	8	9	5
U-60*72*8.5 UIP	60	72	8.5	9.5	5
U-60*80*12 UIP	60	80	12	13	6
U-60*70*7 UIP	60	70	7	8	4.5



NO.	Ød	ØD	b	B	C
U-63*75*8.5 UIP	63	75	8.5	9.5	5
U-63*73*6.5 UIP	63	73	6.5	7.5	4.5
U-63.5*76.2*9.52 UIP	63.5	76.2	9.52	10.52	5
U-63*78.1*5.8 UIP	63	78.1	5.8	6.8	5.5
U-63*83*12 UIP	63	83	12	13	6
U-65*75*10 UIP	65	75	10	11	4.5
U-68*80*12 UIP	68	80	12	13	5
U-69.85*82.5*9.52 UIP	69.85	82.5	9.52	10.52	5
U-70*80*12 UIP	70	80	12	13	4.5
U-70*85*10 UIP	70	85	10	11	5.5
U-70*85*12 UIP	70	85	12	13	5.5
U-70*82*8.5 UIP	70	82	8.5	9.5	5
U-75*85*12 UIP	75	85	12	13	4.5
U-75*85*7.2 UIP	75	85	7.2	8.2	4.5
U-78*88*8 UIP	78	88	8	9	4.5
U-80*90*12 UIP	80	90	12	13	4.5
U-80*92*8.5 UIP	80	92	8.5	9.5	5
U-80*92*9.5 UIP	80	92	9.5	10.5	5
U-80*90*7 UIP	80	90	7	8	4.5
U-85*95*12 UIP	85	95	12	13	4.5
U-85*95*7 UIP	85	95	7	8	4.5
U-85*100*9 UIP	85	100	9	10	5.5
U-90*100*12 UIP	90	100	12	13	4.5
U-90*102*8.5 UIP	90	102	8.5	9.5	5
U-90*105*12 UIP	90	105	12	13	5.5
U-90*105*11.5 UIP	90	105	11.5	12.5	5.5

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NO.	$\varnothing d$	$\varnothing D$	b	B	C
U-95*105*12 UIP	95	105	12	13	4.5
U-95*115*13 UIP	95	115	13	14	6
U-100*110*14 UIP	100	110	14	15	4.5
U-100*115*12 UIP	100	115	12	13	5.5
U-100*115*10 UIP	100	115	10	11	5.5
U-105*120*12 UIP	105	120	12	13	5.5
U-105*120*10 UIP	105	120	10	11	5.5
U-110*130*14 UIP	110	130	14	15	6
U-120*140*14.6 UIP	120	140	14.6	15.6	6
U-120*135*9.5 UIP	120	135	9.5	10.5	5.5
U-125*145*12 UIP	125	145	12	13	6
U-135*145*12 UIP	135	145	12	13	4.5
U-140*160*14 UIP	140	160	14	15	6
U-150*160*13.5 UIP	150	160	13.5	14.5	4.5
U-150*170*15 UIP	150	170	15	16	6
U-155*165*12 UIP	155	165	12	13	4.5
U-160*170*12 UIP	160	170	12	13	4.5
U-180*200*11.5 UIP	180	200	11.5	12.5	6
U-190*210*15 UIP	190	210	15	16	6
U-220*240*15 UIP	220	240	15	16	6
U-240*260*15 UIP	240	260	15	16	6