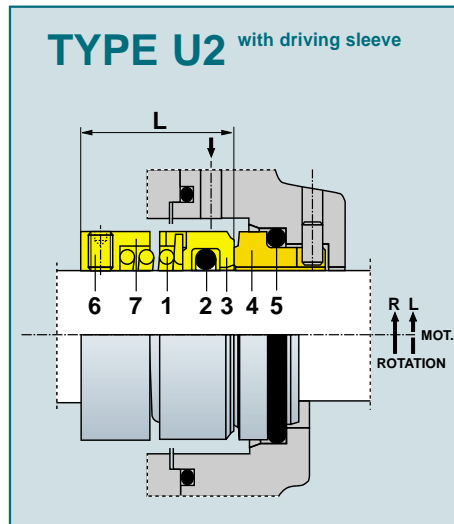
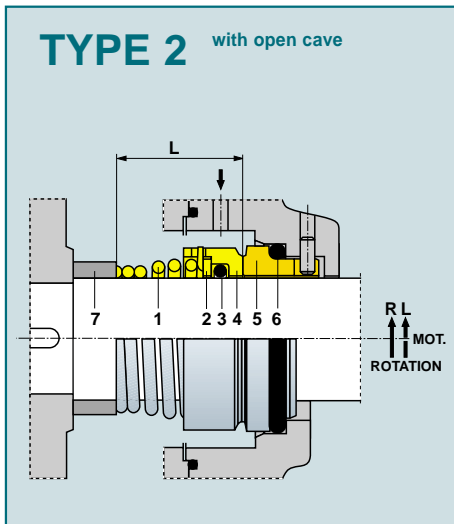
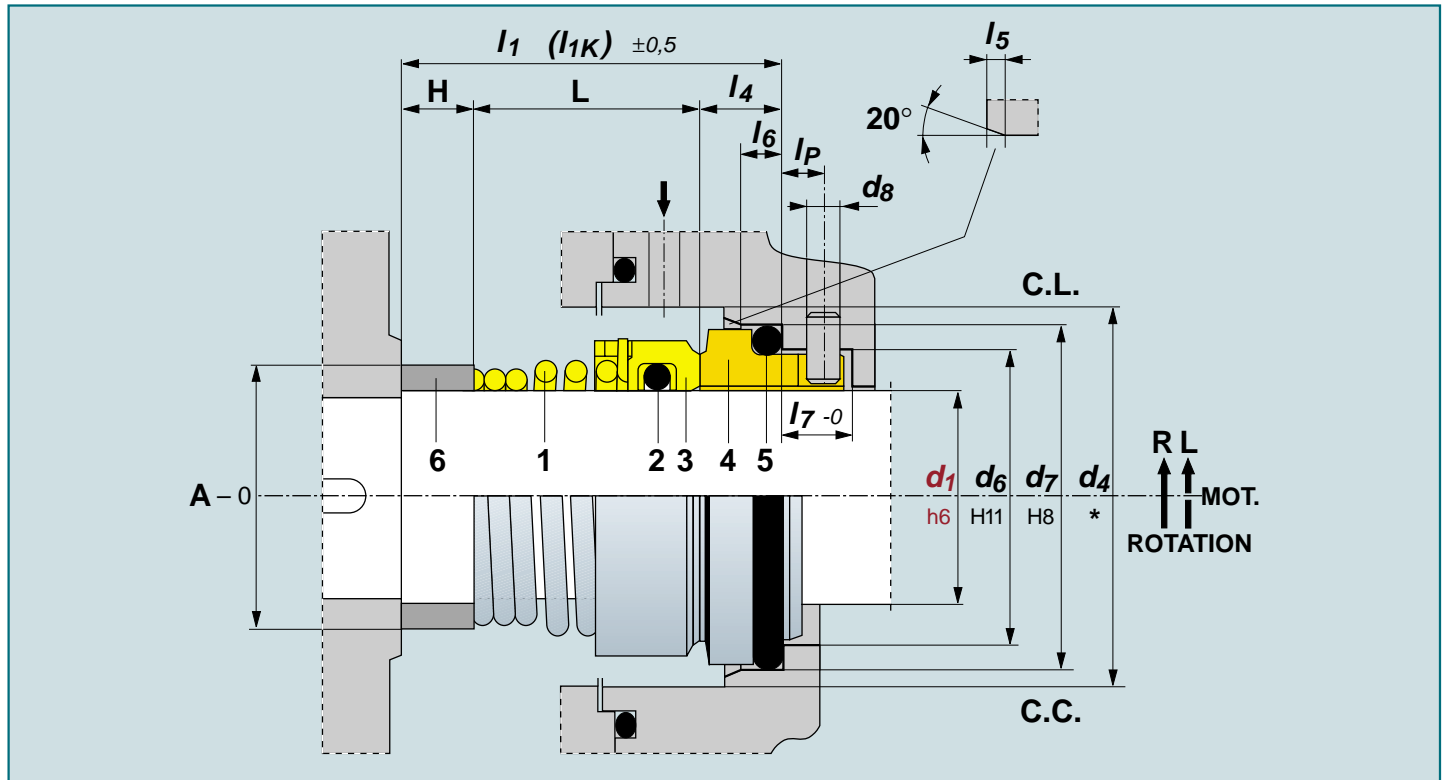


TYPE 2



Type 2 is a mechanical seal, registered as Italian patent nr. 573771, 26/6/57.

It is a seal for general uses, such as water, food, chemical products, hydrocarbons etc.

Produced since 1957 and sold in the whole world in millions, it is still widely used.

Particularly economic and versatile, of easy mounting, it may be supplied in different versions and with different combinations, as the chart below shows.

POS.	TYPE		COMPONENTS	STANDARD MATERIALS								
	2 2MC 2K	2 CAN. AP.		U2	E	X	L					
1	1	1	Self-driving spring	E	X	L						
	2		Washer	G	H	X						
2	3	2	Shaft gasket (O-Ring)	6	7	8	Y	F	W	B		
3	4	3	Rotary seal ring	G	X	J	3	L				
4	5	4	Stationary seal ring	V	Z	1	3	4	K	R		
5	6	5	Stationary gasket (O-Ring)	6	7	8	Y	F	W	B		
6	7		Spacer (if required)	G	H	X						
	6		Grub screws	H	X	L						
	7		Driving "U" sleeve	X	L							

C.C. = stationary seal ring with short tail.

C.L. = stationary seal ring with extended tail and slot.

CAN. AP. = rotating seal ring with open cave

2MC = model with shorter spring.

2K = UNITEN 2 model with working length according to DIN norm K

UN2 LRO2 = UNITEN 2 model with working length "L" as ROTEN 2

MAX. WORKING CONDITIONS

These depend on: \varnothing shaft, pressure, speed, temperature and fluid to be sealed.

$p \leq$ 12 bar

$t =$ $-35 \div 180^\circ\text{C}$

$v \leq$ 15 m/s



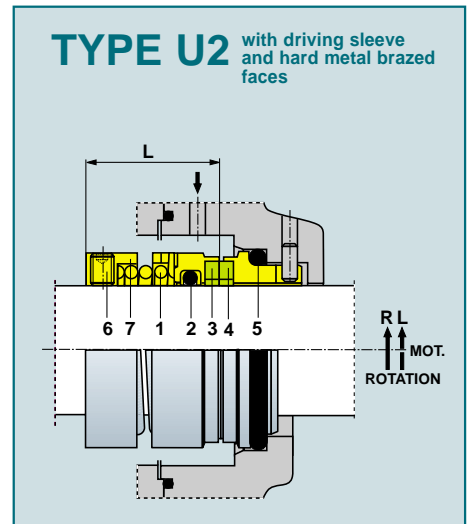
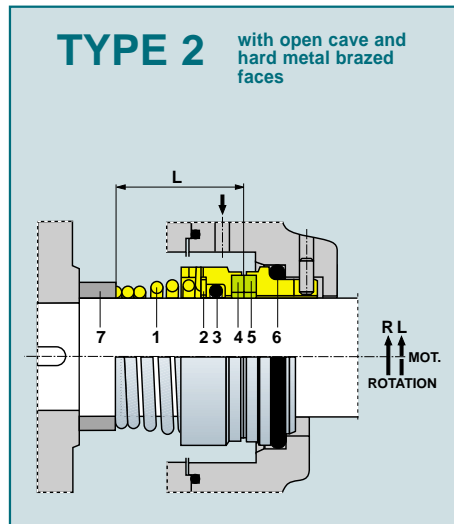
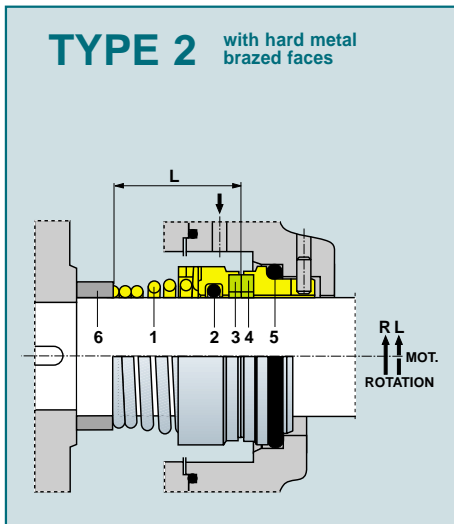
ROTEN													
TYPE 2 2H U2												2MC	
d_1	d_6	d_7	d_4	l_1	L	l_4	l_6	l_5	d_8	l_7	l_p	l_1	L
6	10,6	13,1	16	19,5	15	4,5	2	1,2	2	6	3,5	—	—
7÷9	13	17,1	20	20,5	15	5,5	2,8	1,2	2	6,2	3,5	15,5	10
10	14	18,1	21	20,5	15	5,5	2,8	1,2	2	6,2	3,5	17,5	12
11÷12	16,5	20,6	24	23,5	18	5,5	2,8	1,2	2	6,2	3,5	19,5	14
13÷14	19	23,1	27	28	22	6	2,8	1,2	2	6,7	4	23	17
15	21	26,9	31	29	22	7	3,7	1,3	2,5	7,6	4	24	17
16÷17	21	26,9	31	30	23	7	3,7	1,3	2,5	7,6	4	25	18
18	25	30,9	36	32	24	8	3,7	1,3	3	8,5	4,5	26	18
19÷20	25	30,9	36	33	25	8	3,7	1,3	3	8,5	4,5	28	20
21÷22	30	35,4	41	33	25	8	3,7	1,8	3,5	8,5	5	28	20
23÷24	30	35,4	41	35	27	8	3,7	1,8	3,5	8,5	5	30	22
25÷27	33	38,2	45	35,5	27	8,5	3,7	1,8	4	9,1	5	29,5	21
28	38	43,3	50	38	29	9	3,7	1,8	4	9,6	6	31	22
29÷32	38	43,3	50	39	30	9	3,7	1,8	4	9,6	6	32	23
33÷34	45	53,5	60	50,5	39	11,5	5,4	2,1	5	12	7,5	41,5	30
35÷37	45	53,5	60	50,5	39	11,5	5,4	2,1	5	12	7,5	41,5	30
38÷43	52	60,5	68	50,5	39	11,5	5,4	2,1	5	12	7,5	41,5	30
44÷49	57	65,5	72	52,5	41	11,5	5,4	2,1	5	13	8,5	42,5	31
50	64	72,5	80	56,5	45	11,5	5,4	2,1	5	13	8,5	46,5	35
55	64	72,5	80	58,5	47	11,5	5,4	2,1	5	13	8,5	48,5	37
60	72	79,3	87	60,5	49	11,5	5,4	2,1	5	13,5	8,5	48,5	37
65	77	84,5	92	62,5	51	11,5	5,4	2,1	5	13,5	8,5	50,5	39
70	82	89,5	97	62,5	51	11,5	5,4	2,1	5	13,5	8,5	50,5	39
75	87	94,5	102	68,5	57	11,5	5,4	2,1	5	13,5	8,5	57,5	46
80	92	99,5	107	70,5	59	11,5	5,4	2,1	5	13,5	8,5	59,5	48
85	98	105,5	113	72,5	59	13,5	5,4	2,6	5	13,5	8,5	59,5	46
90	105	111,5	120	75,5	62	13,5	5,4	2,6	5	13,5	8,5	62,5	49
95	110	116,5	130	75,5	62	13,5	5,4	2,6	5	13,5	8,5	64,5	51
100	114	119,5	136	88,5	75	13,5	5,4	2,6	5	13,5	8,5	78,5	65
110	124	132,2	150	92,5	75	17,5	7,1	3,9	5	13,5	8,5	78,5	61
120	134	142,2	160	102,5	85	17,5	7,1	3,9	5	13,5	8,5	90,5	73
130	145	153,2	172	112,5	95	17,5	7,1	3,9	5	13,5	8,5	99,5	82
135	152	161,2	180	113,5	95	18,5	7,1	3,9	5	13,5	8,5	101,5	83
140	157	164,3	185	118,5	100	18,5	7,1	3,9	5	13,5	8,5	108,5	90
150	167	174,2	200	128,5	110	18,5	7,1	3,9	5	13,5	8,5	118,5	100
160	188	195	220	141	120	21	9,1	3,9	5	15,5	8,5	121	100

NB: The spacer is never to be considered for ROTEN 2.

EN 12756															UNITEN					ISO 3069				
TYPE 2 2H U2															2K 2KH									
d_1	d_6	d_7	d_4	l_1	L	l_4	l_6	l_5	H	A	d_8	l_7	l_p	l_{1k}	L									
10	17	21	22	40	15	7	4	1,5	18	13	3	8,5	5	32,5	25,5									
12	19	23	24	40	18	7	4	1,5	15	15	3	8,5	5	32,5	25,5									
14	21	25	26	40	22	7	4	1,5	11	18	3	8,5	5	35	28									
16	23	27	28	40	23	7	4	1,5	10	20	3	8,5	5	35	28									
18	27	33	34	45	24	10	5	2	11	22	3	9	5	37,5	27,5									
20	29	35	36	45	25	10	5	2	10	25	3	9	5	37,5	27,5									
22	31	37	38	45	25	10	5	2	10	27	3	9	5	37,5	27,5									
24	33	39	40	50	27	10	5	2	13	29	3	9	5	40	30									
25	34	40	41	50	27	10	5	2	13	30	3	9	5	40	30									
28	37	43	44	50	29	10	5	2	11	34	3	9	5	42,5	32,5									
30	39	45	46	50	30	10	5	2	10	36	3	9	5	42,5	32,5									
32	42	48	48	55	30	10	5	2	15	38	3	9	5	42,5	32,5									
33	42	48	49	55	39	10	5	2	6	40	3	9	5	42,5	32,5									
35	44	50	51	55	39	10	5	2	6	42	3	9	5	42,5	32,5									
38	49	56	58	55	42	13	6	2	—	45	4	9	5	45	32									
40	51	58	60	55	42	13	6	2	—	47	4	9	5	45	32									
43	54	61	63	60	47	13	6	2	—	51	4	9	5	45	32									
45	56	63	65	60	47	13	6	2	—	53	4	9	5	45	32									
48	59	66	68	60	47	13	6	2	—	56	4	9	5	45	32									
50	62	70	70	60	46	14	6	2,5	—	59	4	9	5	47,5	33,5									
53	65	73	73	70	56	14	6	2,5	—	62	4	9	5	47,5	33,5									
55	67	75	75	70	56	14	6	2,5	—	64	4	9	5	47,5	33,5									
58	70	78	83	70	56	14	6	2,5	—	68	4	9	5	52,5	38,5									
60	72	80	85	70	56	14	6	2,5	—	70	4	9	5	52,5	38,5									
63	75	83	88	70	56	14	6	2,5	—	73	4	9	5	52,5	38,5									
65	77	85	90	80	66	14	6	2,5	—	76	4	9	5	52,5	38,5									
68	81	90	93	80	64	16	7	2,5	—	79	4	9	5	52,5	36,5									
70	83	92	95	80	64	16	7	2,5	—	81	4	9	5	60	44									
75	88	97	104	80	64	16	7	2,5	—	86	4	9	5	60	44									
80	95	105	109	90	72	18	7	3	—	92	4	9	5	60	42									
85	100	110	114	90	72	18	7	3	—	98	4	9	5	60	42									
90	105	115	119	90	72	18	7	3	—	103	4	9	5	65	47									
95	110	120	124	90	72	18	7	3	—	108	4	9	5	65	47									
100	115	125	129	90	72	18	7	3	—	114	4	9	5	65	47									

*The size d_4 is considered the minimum dimension for the stuffing box diameter. Where possible, it is better to have a larger dimension or a conical stuffing box.

TYPE 2



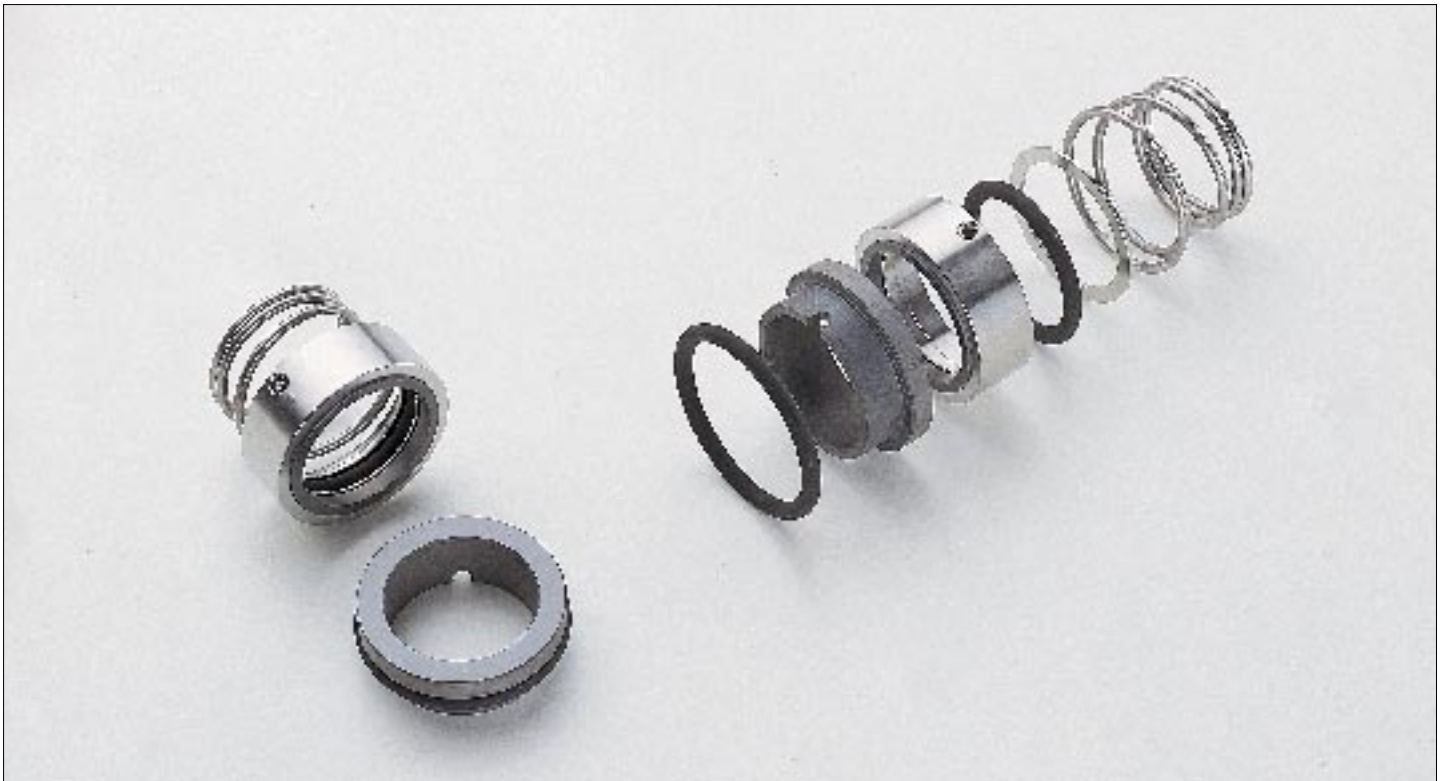
POS.	TYPE			COMPONENTS	STANDARD MATERIALS									
	2 2MC 2K	2 CAN. AP.	U2		E	X	L							
1	1	1		Self-driving spring	E	X	L							
	2			Washer	G	X								
2	3	2		Shaft gasket (O-Ring)	6	7	8	Y	F	W	B			
3	4	3		Rotary seal ring	3									
4	5	4		Stationary seal ring	V	Z	1	3	4	K	R			
5	6	5		Stationary gasket (O-Ring)	6	7	8	Y	F	W	B			
6	7			Spacer (if required)	G	H	X							
		6		Grub screws	H	X	L							
		7		Driving "U" sleeve	X	L								

Model 2 with hard metal rings code "3" is suitable for dirty, charged or very viscous liquids. Code "3" is anticorrosion tungsten carbide brazed with high silver content alloy on AISI 316 stainless steel.

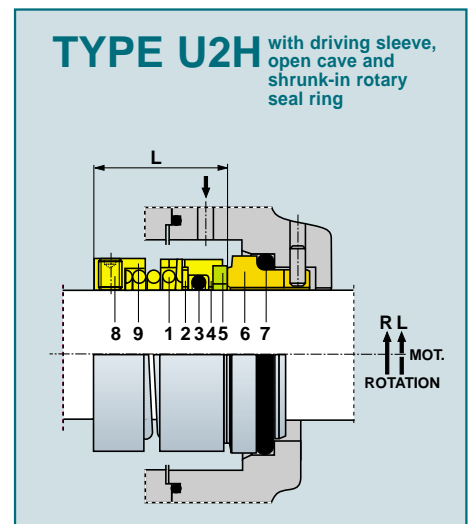
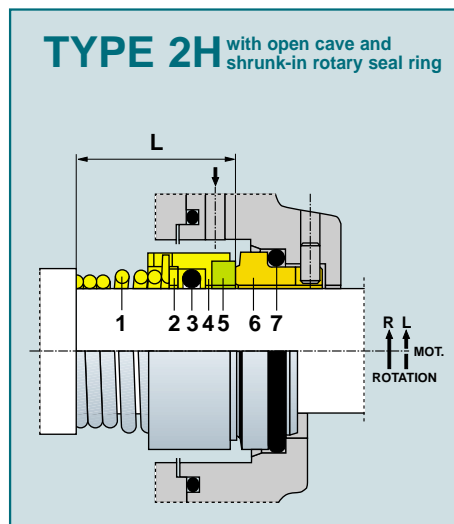
MAX. WORKING CONDITIONS

These depend on: \varnothing shaft, pressure, speed, temperature and fluid to be sealed.

$p \leq$	16 bar
$t =$	$-35 \div 180^\circ\text{C}$
$v \leq$	15 m/s



Model 2H has the rotary seal ring shrunk in a frame with open cave. The materials used for this version are: silicon carbide, tungsten carbide and carbon, which are shrunk in a stainless steel frame.



MAX. WORKING CONDITIONS

These depend on: \varnothing shaft, pressure, speed, temperature and fluid to be sealed.

$p \leq$ 16 bar

$t =$ $-20 \div 150^{\circ}\text{C}$

$v \leq$ 15 m/s

POS.	TYPE		COMPONENTS	STANDARD MATERIALS						
	2H 2MCH 2KH	U2H		E	X	L	Y	F	W	B
1	1		Self-driving spring	E	X	L				
2	2		Washer	G	X					
3	3		Shaft gasket (O-Ring)	6	7	8	Y	F	W	B
4	4		Frame	G	X	D				
5	5		Rotary seal ring	K	R	Z				
6	6		Stationary seal ring	V	Z	1	3	4	K	R
7	7		Stationary gasket (O-Ring)	6	7	8	Y	F	W	B
	8		Grub screws	H	X	L				
	9		Driving "U" sleeve	X	L					