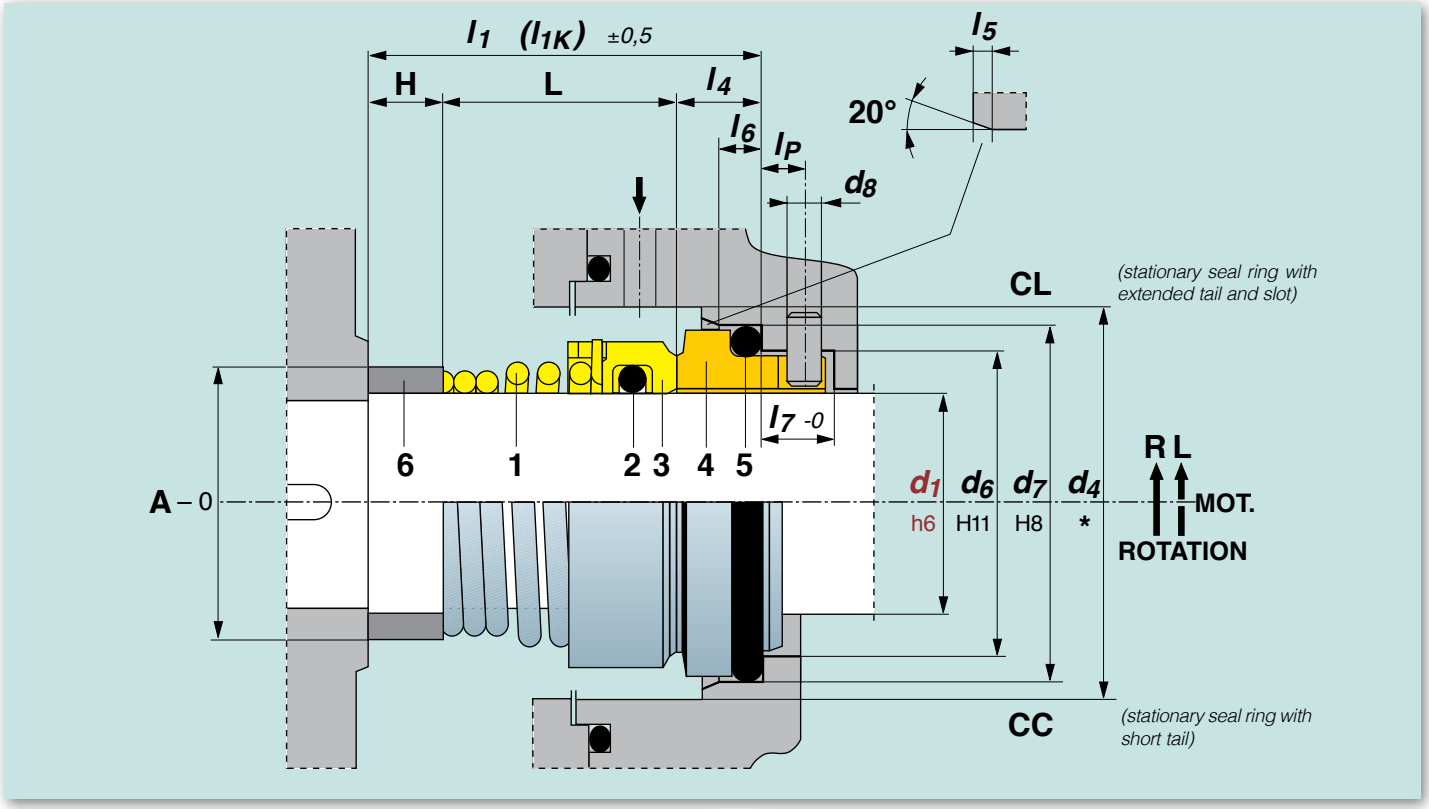
TYPE 2



ROTEN

TYPE 2 - 2H - U2 - U2H

d_1	d_6	d_7	d_4	l_1	L	l_4	l_6	l_5	d_8	l_7	l_P	2MC - 2MCH l_1	2MC - 2MCH 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

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

UNITEN EN 12756

TYPE 2 - 2H

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	2K - 2KH l_{1K}	2K - 2KH 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

Dimensions in mm.
* 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.

The TYPE **2** is a mechanical seal, registrated 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.
Model **2** with hard metal rings code "X3" is suitable for dirty, charged or very viscous liquids. Code "X3" is anticorrosion tungsten carbide brazed with high silver content alloy on AISI 316 stainless steel.

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

UN 2MC = UNITEN 2 model with working length "L" as ROTEN 2MC

UN U2 = UNITEN 2 model with working length "L" as ROTEN 2

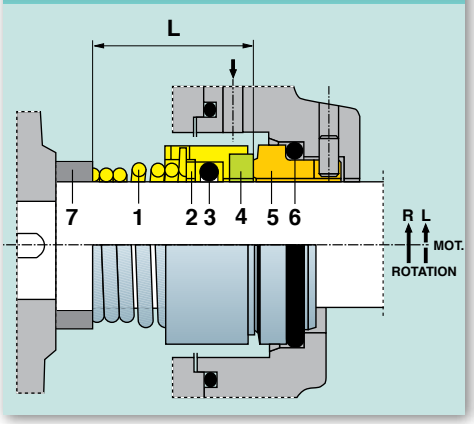
MAX. WORKING CONDITIONS

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

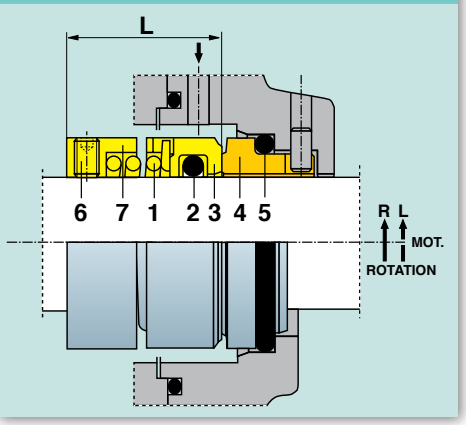
p ≤ 16 bar
t = –35 ÷ 180°C
v ≤ 15 m/s

TYPE 2 - 2H - 2MC - 2MCH - 2K - 2KH				TYPE U2 - U2H				STANDARD MATERIALS
STANDARD		WITH OPEN CAVE (CA)		STANDARD		WITH OPEN CAVE (CA)		
POS.	COMPONENTS	POS.	COMPONENTS	POS.	COMPONENTS	POS.	COMPONENTS	
1	Self-driving spring	1	Self-driving spring	1	Spring	1	Spring	L1 X1
		2	Washer			2	Washer	G1 L1 X1
2	Shaft gasket	3	Shaft gasket	2	Shaft gasket	3	Shaft gasket	B1 E1 F1 N1 P1 W1 Y1
3	Rotary seal ring	4	Rotary seal ring	3	Rotary seal ring	4	Rotary seal ring	D5 D6 G1 J1 L1 X1 X3 X7
4	Stationary seal ring	5	Stationary seal ring	4	Stationary seal ring	5	Stationary seal ring	C4 K1 R1 V1 V2 V3 X3
5	Stationary gasket	6	Stationary gasket	5	Stationary gasket	6	Stationary gasket	B1 C1 E1 F1 N1 P1 W1 Y1
6	Spacer (if required)	7	Spacer (if required)					G1 H1 X1
				6	Grub screws	7	Grub screws	H1 L1 X1
				7	Driving "U" sleeve	8	Driving "U" sleeve	L1 X1

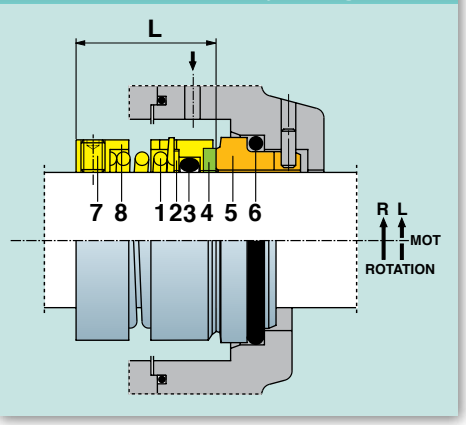
TYPE 2H CA
with open cave and shrunk-in rotary seal ring



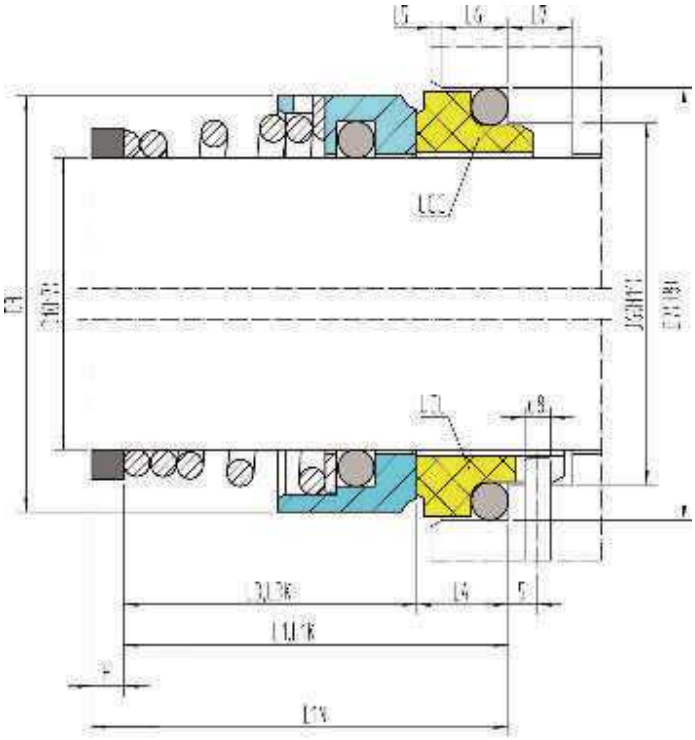
TYPE U2
with driving sleeve



TYPE U2H
with driving sleeve and open cave and shrunk-in rotary seal ring



Universal allround seal
Conical spring rotating
Massive or brazed seal rings



L1=L3+L4
L1K=L3K+L4
L1N=L3+H+L4

Operating limits:
(look at working conditions page 112)

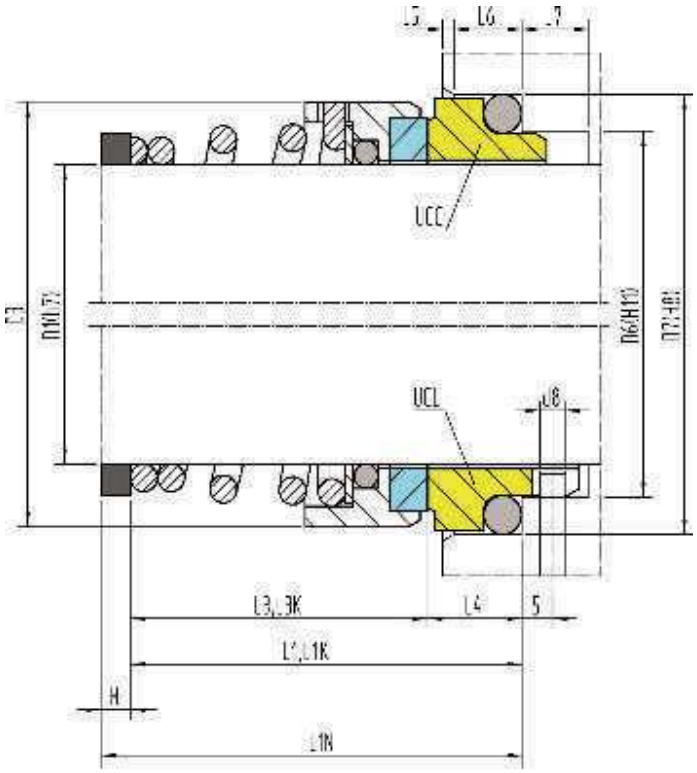
p⩽	12bar (16bar)
t=	-35 ÷ 140°C (180°C)
v⩽	15 m/s

Materials:
Rotary: E, F, G, U
Stationary: A, B, Q,U, V
Rubber parts: P, E, V, K, M

EN 12756 (DIN 24960)												UCC UCL			U9CL		
D1	D6	D7	D3	L1K	L3K	L1N	L1	L3	L4	L6	L5	H	D8	L7	L1	L3	L4
10	17	21	21	32.5	25.5	40	22	15	7	4	1.5	18	3	8.5	25.5	15.5	10
12	19	23	22	32.5	25.5	40	25	18	7	4	1.5	15	3	8.5	26	16	10
14	21	25	24	35	28	40	29	22	7	4	1.5	11	3	8.5	26.5	16.5	10
16	23	27	26	35	28	40	30	23	7	4	1.5	10	3	8.5	28	18	10
18	27	33	29	37.5	27.5	45	34	24	10	5	2	11	3	9	31	19.5	11.5
20	29	35	30	37.5	27.5	45	35	25	10	5	2	10	3	9	33.5	22	11.5
22	31	37	34	37.5	27.5	45	35	25	10	5	2	10	3	9	33	21.5	11.5
24	33	39	35	40	30	50	37	27	10	5	2	13	3	9	35	23.5	11.5
25	34	40	37	40	30	50	37	27	10	5	2	13	3	9	38	26.5	11.5
28	37	43	42	42.5	32.5	50	39	29	10	5	2	11	3	9	38	26.5	11.5
30	39	45	45	42.5	32.5	50	40	30	10	5	2	10	3	9	38	26.5	11.5
32	42	48	45	42.5	32.5	55	40	30	10	5	2	15	3	9	40	28.5	11.5
33	42	48	48	42.5	32.5	55	49	39	10	5	2	6	3	9	40	28.5	11.5
35	44	50	50	42.5	32.5	55	49	39	10	5	2	6	3	9	40	28.5	11.5
38	49	56	54	45	32	55	55	42	13	6	2	—	4	9	47.5	33.5	14
40	51	58	56	45	32	55	55	42	13	6	2	—	4	9	50	36	14
43	54	61	60	45	32	60	60	47	13	6	2	—	4	9	52.5	38.5	14
45	56	63	64	45	32	60	60	47	13	6	2	—	4	9	53.5	39.5	14
48	59	66	67	45	32	60	60	47	13	6	2	—	4	9	60	46	14
50	62	70	69	47.5	33.5	60	60	46	14	6	2.5	—	4	9	60	45	15
53	65	73	74	47.5	33.5	70	70	56	14	6	2.5	—	4	9	62	47	15
55	67	75	74	47.5	33.5	70	70	56	14	6	2.5	—	4	9	64	49	15
58	70	78	80	52.5	38.5	70	70	56	14	6	2.5	—	4	9	70	55	15
60	72	80	80	52.5	38.5	70	70	56	14	6	2.5	—	4	9	70	55	15
63	75	83	87	52.5	38.5	70	70	56	14	6	2.5	—	4	9	70	55	15
65	77	85	87	52.5	38.5	80	80	66	14	6	2.5	—	4	9	70	55	15
68	81	90	92	52.5	36.5	80	80	64	16	7	2.5	—	4	9	73	55	18
70	83	92	92	60	44	80	80	64	16	7	2.5	—	4	9	75	57	18
75	88	97	97	60	44	80	80	64	16	7	2.5	—	4	9	80	62	18
80	95	105	102	60	42	90	90	72	18	7	3	—	4	9	80	61.8	18.2
85	100	110	110	60	42	90	90	72	18	7	3	—	4	9	80	61.8	18.2
90	105	115	117	65	42	90	90	72	18	7	3	—	4	9	80	61.8	18.2
95	110	120	122	65	42	90	90	72	18	7	3	—	4	9	78	60.8	17.2
100	115	125	127	65	42	90	90	72	18	7	3	—	4	9	78	60.8	17.2

Spacer ring is not included in the delivery of the mechanical seal.

Universal allround seal
Conical spring rotating
Shrinked seal rings



L1=L3+L4
L1K=L3K+L4
L1N=L3+H+L4

Operating limits:
(look at working conditions page 112)

p⩽	12bar (16bar)
t=	-35 ÷ 140°C (180°C)
v⩽	15 m/s

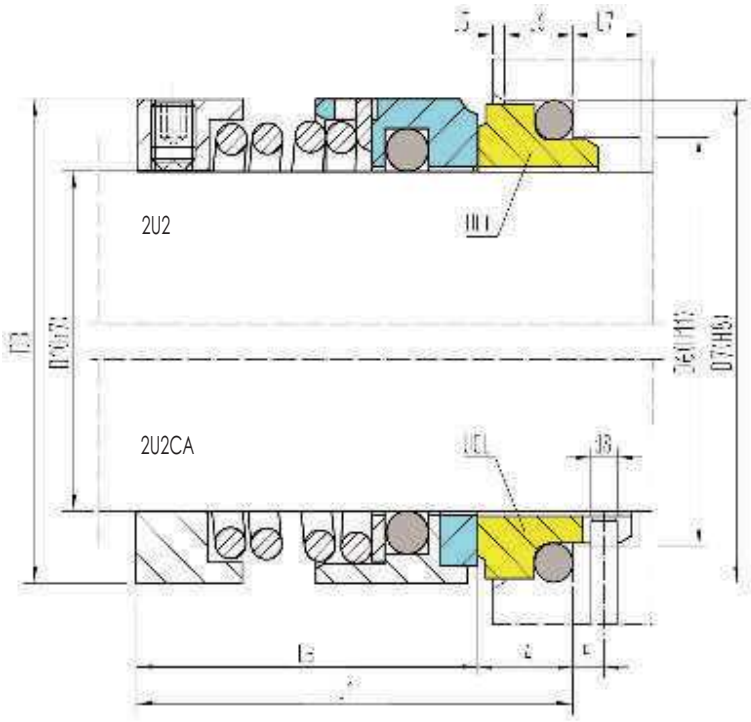
Materials:
Rotary: A, B,Q, U
Stationary: A, B, Q,U, V
Rubber parts: P, E, V, K, M

EN 12756 (DIN 24960)													UCC	UCL	U6CC			U9CL		
D1	D6	D7	D3	L1K	L3K	L1N	L1	L3	L4	L6	L5	H	D8	L7	L1	L3	L4	L1	L3	L4
10	17	21	21	32.5	25.5	40	22	15	7	4	1.5	18	3	8.5	22.1	15.5	6.6	25.5	15.5	10
12	19	23	22	32.5	25.5	40	25	18	7	4	1.5	15	3	8.5	22.6	16	6.6	26	16	10
14	21	25	24	35	28	40	29	22	7	4	1.5	11	3	8.5	23.1	16.5	6.6	26.5	16.5	10
16	23	27	26	35	28	40	30	23	7	4	1.5	10	3	8.5	24.6	18	6.6	28	18	10
18	27	33	29	37.5	27.5	45	34	24	10	5	2	11	3	9	27	19.5	7.5	31	19.5	11.5
20	29	35	30	37.5	27.5	45	35	25	10	5	2	10	3	9	29.5	22	7.5	33.5	22	11.5
22	31	37	34	37.5	27.5	45	35	25	10	5	2	10	3	9	29	21.5	7.5	33	21.5	11.5
24	33	39	35	40	30	50	37	27	10	5	2	13	3	9	31	23.5	7.5	35	23.5	11.5
25	34	40	37	40	30	50	37	27	10	5	2	13	3	9	34	26.5	7.5	38	26.5	11.5
28	37	43	42	42.5	32.5	50	39	29	10	5	2	11	3	9	34	26.5	7.5	38	26.5	11.5
30	39	45	45	42.5	32.5	50	40	30	10	5	2	10	3	9	34	26.5	7.5	38	26.5	11.5
32	42	48	45	42.5	32.5	55	40	30	10	5	2	15	3	9	36	28.5	7.5	38	28.5	11.5
33	42	48	48	42.5	32.5	55	49	39	10	5	2	6	3	9	36	28.5	7.5	38	28.5	11.5
35	44	50	50	42.5	32.5	55	49	39	10	5	2	6	3	9	36	28.5	7.5	38	28.5	11.5
38	49	56	54	45	32	55	55	42	13	6	2	—	4	9	42.5	33.5	9	47.5	33.5	14
40	51	58	56	45	32	55	55	42	13	6	2	—	4	9	45	36	9	50	36	14
43	54	61	60	45	32	60	60	47	13	6	2	—	4	9	47.5	38.5	9	52.5	38.5	14
45	56	63	64	45	32	60	60	47	13	6	2	—	4	9	48.5	39.5	9	53.5	39.5	14
48	59	66	67	45	32	60	60	47	13	6	2	—	4	9	55	46	9	60	46	14
50	62	70	69	47.5	33.5	60	60	46	14	6	2	—	4	9	54.5	45	9.5	60	45	15
53	65	73	74	47.5	33.5	70	70	56	14	6	2	—	4	9	58	47	11	62	47	15
55	67	75	74	47.5	33.5	70	70	56	14	6	2	—	4	9	60	49	11	64	49	15
58	70	78	80	52.5	38.5	70	70	56	14	6	2	—	4	9	66	55	11	70	55	15
60	72	80	80	52.5	38.5	70	70	56	14	6	2	—	4	9	66	55	11	70	55	15
63	75	83	87	52.5	38.5	70	70	56	14	6	2	—	4	9	66	55	11	70	55	15
65	77	85	87	52.5	38.5	80	80	66	14	6	2	—	4	9	66	55	11	70	55	15
68	81	90	92	52.5	36.5	80	80	64	16	7	2	—	4	9	66.3	55	11.3	73	55	18
70	83	92	92	60	44	80	80	64	16	7	2	—	4	9	66.3	57	11.3	75	57	18
75	88	97	97	60	44	80	80	64	16	7	2	—	4	9	73.3	62	11.3	80	62	18
80	95	105	102	60	42	90	90	72	18	7	2	—	4	9	73.8	61.8	12	80	61.8	18.2
85	100	110	110	60	42	90	90	72	18	7	2	—	4	9	75.8	61.8	14	80	61.8	18.2
90	105	115	117	65	42	90	90	72	18	7	2	—	4	9	75.8	61.8	14	80	61.8	18.2
95	110	120	122	65	42	90	90	72	18	7	2	—	4	9	75.8	60.8	14	78	60.8	17.2
100	115	125	127	65	42	90	90	72	18	7	2	—	4	9	75.8	60.8	14	78	60.8	17.2

Spacer ring is not included in the delivery of the mechanical seal.

2U2-2U2CA

Universal allround seal
Conical spring rotating
Shrinked seal rings



Materials:
Rotary: A, B,Q, U
Stationary: A, B, Q,U, V
Rubber parts: P, E, V, K, M

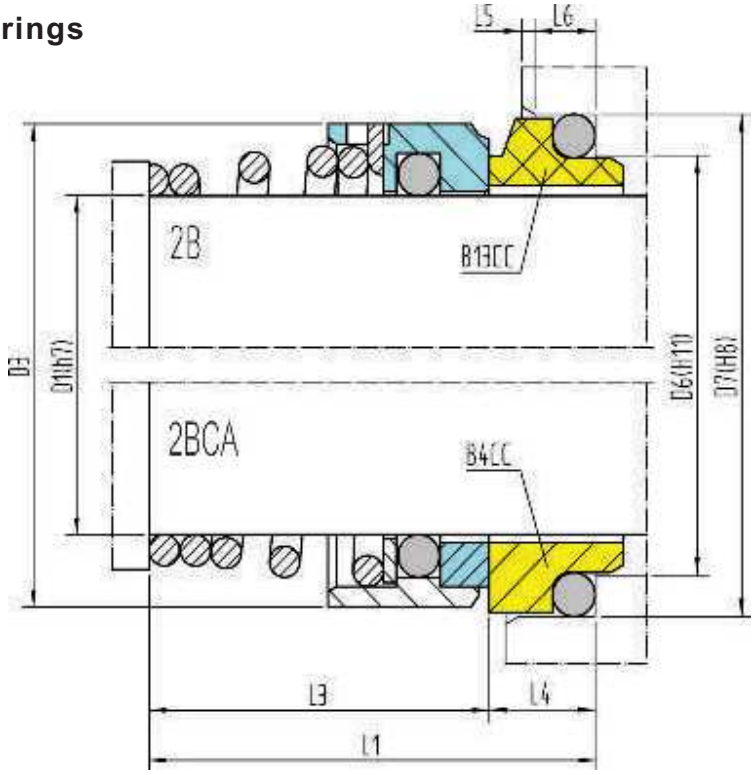
Operating limits:
(look at working conditions page 112)

p⩽	12bar (16bar)
t=	-35 ÷ 140°C (180°C)
v⩽	15 m/s

EN 12756 (DIN 24960) — **UCC** **UCL**

D1	D6	D7	D3	L1	L3	L4	L6	L5	D8	L7
10	17	21	21	22	15	7	4	1.5	3	8.5
12	19	23	22	25	18	7	4	1.5	3	8.5
14	21	25	24	29	22	7	4	1.5	3	8.5
16	23	27	26	30	23	7	4	1.5	3	8.5
18	27	33	29	34	24	10	5	2	3	9
20	29	35	30	35	25	10	5	2	3	9
22	31	37	34	35	25	10	5	2	3	9
24	33	39	35	37	27	10	5	2	3	9
25	34	40	37	37	27	10	5	2	3	9
28	37	43	42	39	29	10	5	2	3	9
30	39	45	45	40	30	10	5	2	3	9
32	42	48	45	40	30	10	5	2	3	9
33	42	48	48	49	39	10	5	2	3	9
35	44	50	50	49	39	10	5	2	3	9
38	49	56	54	55	42	13	6	2	4	9
40	51	58	56	55	42	13	6	2	4	9
43	54	61	60	60	47	13	6	2	4	9
45	56	63	64	60	47	13	6	2	4	9
48	59	66	67	60	47	13	6	2	4	9
50	62	70	69	60	46	14	6	2	4	9
53	65	73	74	70	56	14	6	2	4	9
55	67	75	74	70	56	14	6	2	4	9
58	70	78	80	70	56	14	6	2	4	9
60	72	80	80	70	56	14	6	2	4	9
63	75	83	87	70	56	14	6	2	4	9
65	77	85	87	80	66	14	6	2	4	9
68	81	90	92	80	64	16	7	2	4	9
70	83	92	92	80	64	16	7	2	4	9
75	88	97	97	80	64	16	7	2	4	9
80	95	105	102	90	72	18	7	2	4	9
85	100	110	110	90	72	18	7	2	4	9
90	105	115	117	90	72	18	7	2	4	9
95	110	120	122	90	72	18	7	2	4	9
100	115	125	127	90	72	18	7	2	4	9

Universal allround seal
Conical spring rotating
Massive, brazed or shrinked seal rings



Materials:
Rotary: A, B, E, F, G, Q, U
Stationary: A, B, Q,U
Rubber parts: P, E, V, K, M

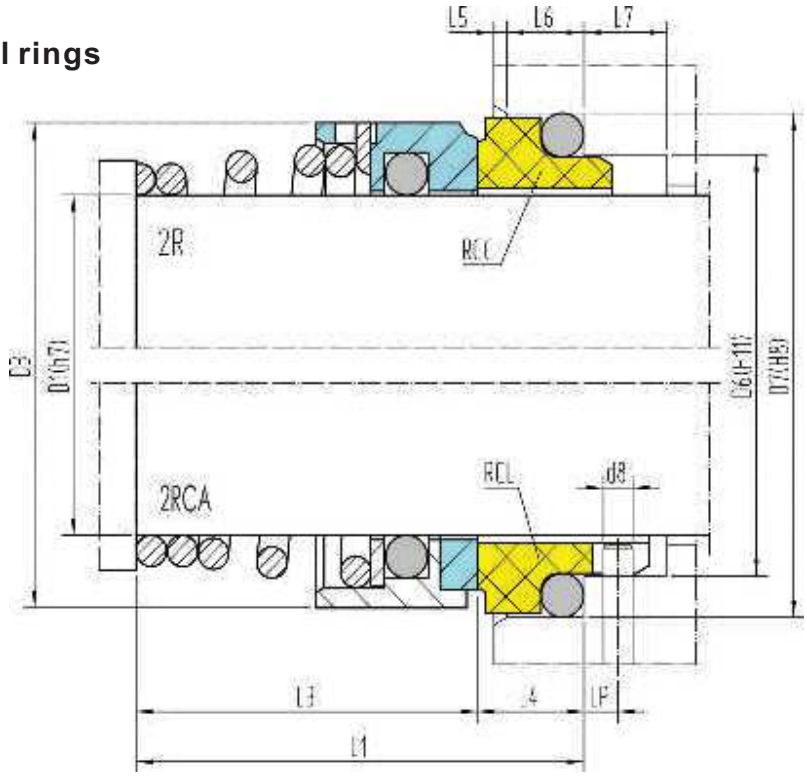
Operating limits:
(look at working conditions page 112)

2B		2BCA	
p≤	12 bar	p≤	16 bar
t=	-35 ÷ 180°C	t=	-35 ÷ 140°C
v≤	15 m/s	v≤	15 m/s

Special fitting dimensions								B4CC	B13CC		
D1	D6	D7	D3	L1	L3	L4	L6	L5	L1	L3	L4
10	15.5	19.2	21	22.1	15.5	6.6	3.8	1.5	22.6	15.5	7.1
12	17.5	21.6	22	21.1	15.5	5.6	3.8	1.5	23.1	15.5	7.6
14	20.5	24.6	24	21.1	15.5	5.6	3.8	1.5	23.1	15.5	7.6
15	20.5	24.6	26	22.1	15.5	6.6	3.8	1.5	24.1	15.5	8.6
16	22	28	29	25	17.5	7.5	5	1.5	26.5	17.5	9
18	24	30	30	26.5	18.5	8	5	2	28.5	18.5	10
19	29.5	35	34	27.5	20	7.5	5	2	29.5	20	9.5
20	29.5	35	34	27.5	20	7.5	5	2	29.5	20	9.5
22	29.5	35	35	29	21.5	7.5	5	2	31	21.5	9.5
24	32	38	37	30.5	23	7.5	5	2	32.5	23	9.5
25	32	38	42	31.5	24.5	7.5	5	2	34	24.5	9.5
26	34	40	45	32.5	24.5	8	5	2	34.5	24.5	10
28	36	42	45	33.5	24.5	9	5	2	35.5	24.5	11
30	39.2	45	48	35	24.5	10.5	5	2	35.5	24.5	11
32	42.5	48	50	38.5	28	10.5	5	2	39	28	11
35	46.2	52	56	39	28	11	5	2	39.5	28	11.5
38	49.2	55	60	41.3	31	10.3	5	2	42.5	31	11.5
40	52.2	58	64	44.8	34	10.8	5	2	45.5	34	11.5
42	53.3	62	67	47	35	12	6	2	49.3	35	14.3
45	55.3	64	69	48.1	36.5	11.6	6	2	50.8	36.5	14.3
48	59.7	68.4	74	53.6	42	11.6	6	2	56.3	42	14.3
50	60.8	69.3	74	54.6	43	11.6	6	2.5	57.3	43	14.3
55	66.5	75.4	80	60.3	47	13.3	6	2.5	62.3	47	15.3
58	69.5	78.4	80	63.3	50	13.3	6	2.5	65.3	50	15.3
60	71.5	80.4	87	64.3	51	13.3	6	2.5	66.3	51	15.3
65	76.5	85.4	87	65	52	13	6	2.5	67.3	52	15.3
68	82.7	91.5	92	66.7	53	13.7	6	2.5	69	53	16
70	83	92	92	67	54	13	6	2.5	69.3	54	15.3
75	90.2	99	97	69	55	14	6	2.5	70.3	55	15.3
80	95.2	104	102	73	58	15	6	3	74.3	58	16.3

2R-2RCA-2RMC-2RMCCA

Universal allround seal
Conical spring rotating
Massive, brazed or shrinked seal rings



Materials:
Rotary: A, B, E, F, G, Q, U
Stationary: A, B, Q, U
Rubber parts: P, E, V, K, M

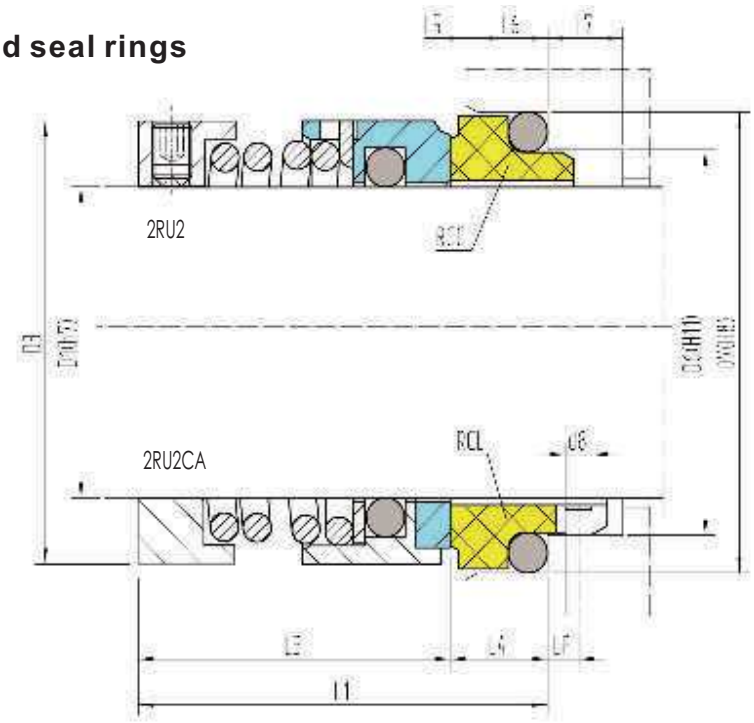
Operating limits:
(look at working conditions page 112)

2R –2RMC		2RCA –2RMCCA	
p≤	12 bar	p≤	16 bar
t=	-35 ÷ 180°C	t=	-35 ÷ 140°C
v≤	15 m/s	v≤	15 m/s

Special fitting dimensions

										RCC	RCL	2RMC-2RMCCA	
D1	D6	D7	D3	L1	L3	L4	L6	L5	D8	L7	Lp	L1	L3
6	10.6	13.1	13.5	19.5	15	4.5	2	1.2	2	6	3.5	—	—
7	13	17.1	14.5	20.5	15	5.5	2.8	1.2	2	6.2	3.5	15.5	10
8	13	17.1	15.8	20.5	15	5.5	2.8	1.2	2	6.2	3.5	15.5	10
9	13	17.1	16.5	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	22	23.5	18	5.5	2.8	1.2	2	6.2	3.5	19.5	14
13÷14	19	23.1	24	28	22	6	2.8	1.2	2	6.7	4	23	17
15	21	26.9	24	29	22	7	3.7	1.3	2.5	7.6	4	24	17
16÷17	21	26.9	26	30	23	7	3.7	1.3	2.5	7.6	4	25	18
18	25	30.9	29	32	24	8	3.7	1.3	3	8.5	4.5	26	18
19÷20	25	30.9	30	33	25	8	3.7	1.3	3	8.5	4.5	28	20
21÷22	30	35.4	34	33	25	8	3.7	1.8	3.5	8.5	5	28	20
23÷24	30	35.4	35	35	27	8	3.7	1.8	3.5	8.5	5	30	22
25÷27	33	38.2	37	35.5	27	8.5	3.7	1.8	4	9.1	5	29.5	21
28	38	43.3	42	38	29	9	3.7	1.8	4	9.6	6	31	22
29÷32	38	43.3	45	39	30	9	3.7	1.8	4	9.6	6	31	23
33÷34	45	53.5	45	50.5	39	11.5	5.4	2.1	5	12	7.5	41.5	30
35÷37	45	53.5	50	50.5	39	11.5	5.4	2.1	5	12	7.5	41.5	30
38÷43	52	60.5	54	50.5	39	11.5	5.4	2.1	5	12	7.5	41.5	30
44÷49	57	65.5	56	52.5	41	11.5	5.4	2.1	5	13	8.5	42.5	31
50	64	72.5	69	56.5	45	11.5	5.4	2.1	5	13	8.5	46.5	35
55	64	72.5	74	58.5	47	11.5	5.4	2.1	5	13	8.5	48.5	37
60	72	79.3	80	60.5	49	11.5	5.4	2.1	5	13.5	8.5	48.5	37
65	77	84.5	87	62.5	51	11.5	5.4	2.1	5	13.5	8.5	50.5	39
70	82	89.5	92	62.5	51	11.5	5.4	2.1	5	13.5	8.5	50.5	39
75	87	94.5	97	68.5	57	11.5	5.4	2.1	5	13.5	8.5	57.5	46
80	92	99.5	102	70.5	59	11.5	5.4	2.1	5	13.5	8.5	59.5	48
85	98	105.5	110	72.5	59	13.5	5.4	2.6	5	13.5	8.5	59.5	46
90	105	111.5	117	75.5	62	13.5	5.4	2.6	5	13.5	8.5	62.5	49
95	110	116.5	122	75.5	62	13.5	5.4	2.6	5	13.5	8.5	64.5	51
100	114	119.5	127	88.5	75	13.5	5.4	2.6	5	13.5	8.5	78.5	65
110	124	132.2	143	92.5	75	17.5	7.1	3.9	5	13.5	8.5	78.5	61
120	134	142.2	155	102.5	85	17.5	7.1	3.9	5	13.5	8.5	90.5	73
130	145	153.2	166	112.5	95	17.5	7.1	3.9	5	13.5	8.5	99.5	82
135	152	161.2	171	113.5	95	18.5	7.1	3.9	5	13.5	8.5	101.5	83
140	157	164.3	178	118.5	100	18.5	7.1	3.9	5	13.5	8.5	108.5	90
150	167	174.2	188	128.5	110	18.5	7.1	3.9	5	13.5	8.5	118.5	100
160	188	195	199	141	120	21	9.1	3.9	5	13.5	8.5	121	100

Universal allround seal
Conical spring rotating
Massive, brazed or shrinked seal rings



Materials:
Rotary: A, B, E, F, G, Q, U
Stationary: A, B, Q, U
Rubber parts: P, E, V, K, M

Operating limits:
(look at working conditions page 112)

p⩽	12bar (16bar)
t=	-35 ÷140°C (180°C)
v⩽	15 m/s

Special fitting dimensions

RCC RCL

D1	D6	D7	D3	L1	L3	L4	L6	L5	D8	L7	LP
6	10.6	13.1	13.5	19.5	15	4.5	2	1.2	2	6	3.5
7	13	17.1	14.5	20.5	15	5.5	2.8	1.2	2	6.2	3.5
8	13	17.1	15.8	20.5	15	5.5	2.8	1.2	2	6.2	3.5
9	13	17.1	16.5	20.5	15	5.5	2.8	1.2	2	6.2	3.5
10	14	18.1	21	20.5	15	5.5	2.8	1.2	2	6.2	3.5
11÷12	16.5	20.6	22	23.5	18	5.5	2.8	1.2	2	6.2	3.5
13÷14	19	23.1	24	28	22	6	2.8	1.2	2	6.7	4
15	21	26.9	24	29	22	7	3.7	1.3	2.5	7.6	4
16÷17	21	26.9	26	30	23	7	3.7	1.3	2.5	7.6	4
18	25	30.9	29	32	24	8	3.7	1.3	3	8.5	4.5
19÷20	25	30.9	30	33	25	8	3.7	1.3	3	8.5	4.5
21÷22	30	35.4	34	33	25	8	3.7	1.8	3.5	8.5	5
23÷24	30	35.4	35	35	27	8	3.7	1.8	3.5	8.5	5
25÷27	33	38.2	37	35.5	27	8.5	3.7	1.8	4	9.1	5
28	38	43.3	42	38	29	9	3.7	1.8	4	9.6	6
29÷32	38	43.3	45	39	30	9	3.7	1.8	4	9.6	6
33÷34	45	53.5	45	50.5	39	11.5	5.4	2.1	5	12	7.5
35÷37	45	53.5	50	50.5	39	11.5	5.4	2.1	5	12	7.5
38÷43	52	60.5	54	50.5	39	11.5	5.4	2.1	5	12	7.5
44÷49	57	65.5	56	52.5	41	11.5	5.4	2.1	5	13	8.5
50	64	72.5	69	56.5	45	11.5	5.4	2.1	5	13	8.5
55	64	72.5	74	58.5	47	11.5	5.4	2.1	5	13	8.5
60	72	79.3	80	60.5	49	11.5	5.4	2.1	5	13.5	8.5
65	77	84.5	87	62.5	51	11.5	5.4	2.1	5	13.5	8.5
70	82	89.5	92	62.5	51	11.5	5.4	2.1	5	13.5	8.5
75	87	94.5	97	68.5	57	11.5	5.4	2.1	5	13.5	8.5
80	92	99.5	102	70.5	59	11.5	5.4	2.1	5	13.5	8.5
85	98	105.5	110	72.5	59	13.5	5.4	2.6	5	13.5	8.5
90	105	111.5	117	75.5	62	13.5	5.4	2.6	5	13.5	8.5
95	110	116.5	122	75.5	62	13.5	5.4	2.6	5	13.5	8.5
100	114	119.5	127	88.5	75	13.5	5.4	2.6	5	13.5	8.5
110	124	132.2	143	92.5	75	17.5	7.1	3.9	5	13.5	8.5
120	134	142.2	155	102.5	85	17.5	7.1	3.9	5	13.5	8.5
130	145	153.2	166	112.5	95	17.5	7.1	3.9	5	13.5	8.5
135	152	161.2	171	113.5	95	18.5	7.1	3.9	5	13.5	8.5
140	157	164.3	178	118.5	100	18.5	7.1	3.9	5	13.5	8.5
150	167	174.2	188	128.5	110	18.5	7.1	3.9	5	13.5	8.5
160	188	195	199	141	120	21	9.1	3.9	5	13.5	8.5