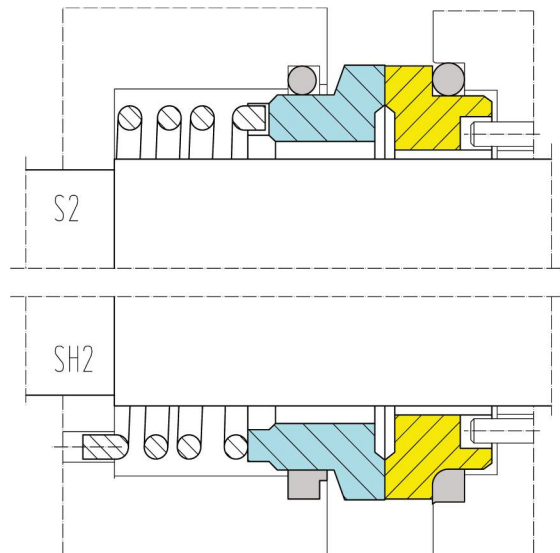
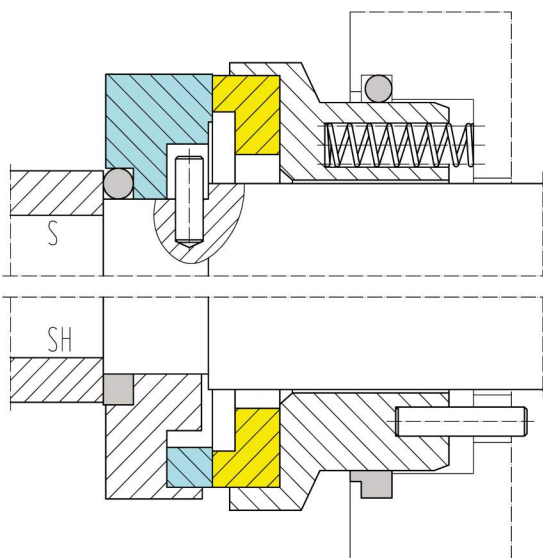
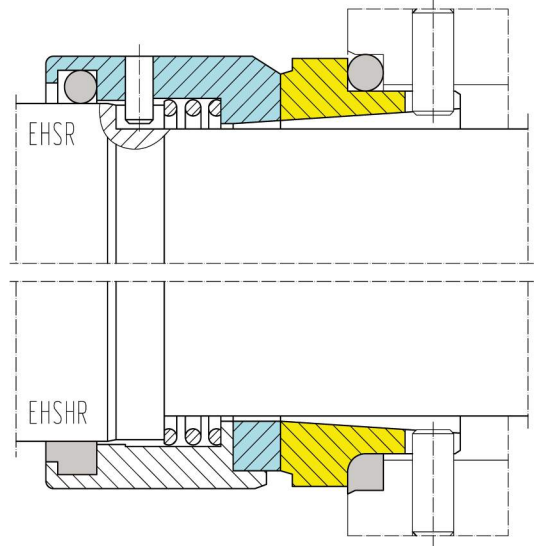
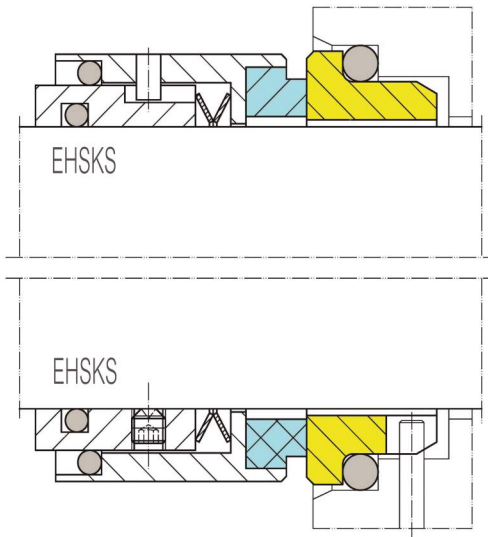
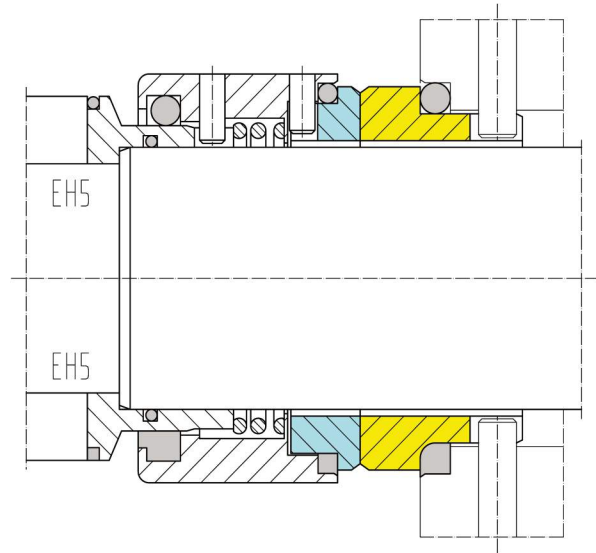
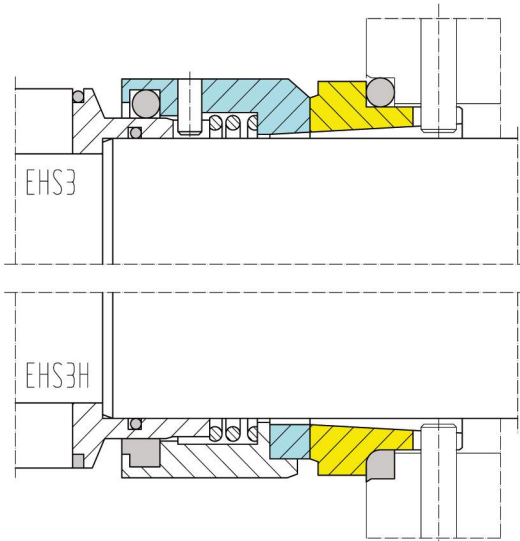


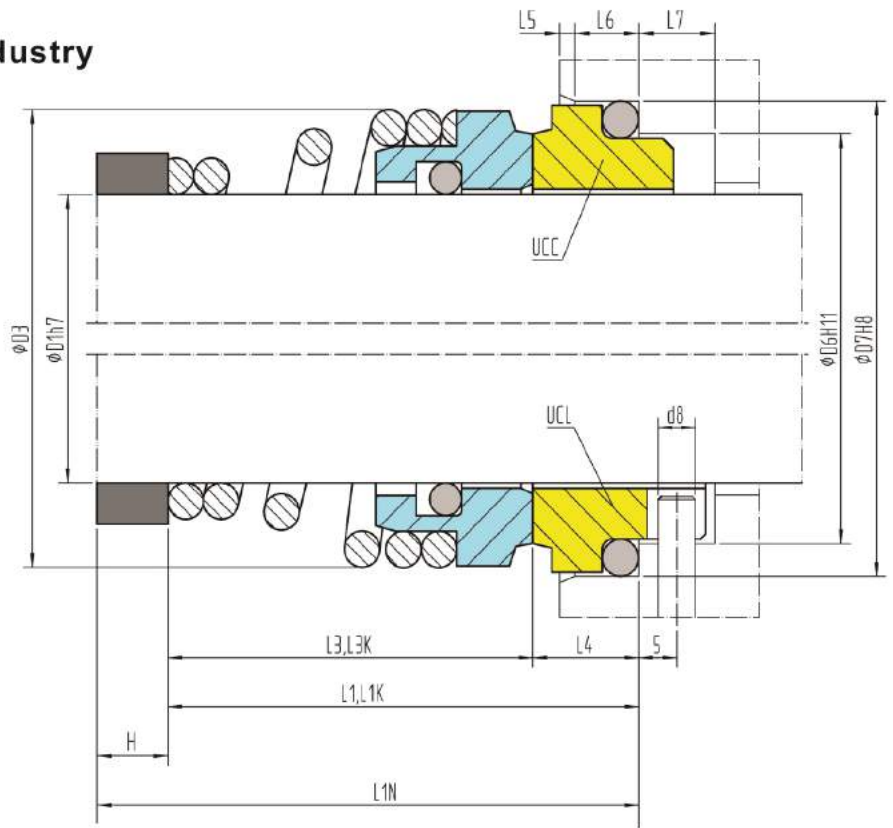
Hygiene seals



Special versions



Self cleaning allround seal
Conical spring rotating
Massive seal rings
Food and pharmaceutical industry



Operating limits:
 (look at working conditions page 112)

p ≤	16 bar
t =	-35 + 180°C
v ≤	15 m/s

Materials:

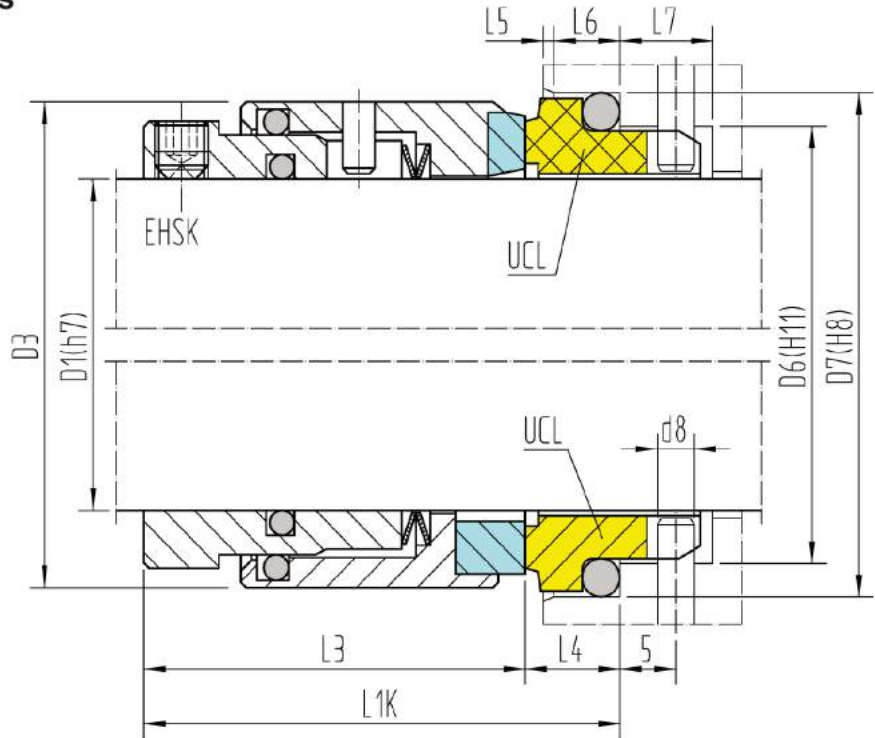
- Rotary: Q, U, V
- Stationary: A, B, Q
- Rubber parts: P, E, V, K

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

EN 12756 (DIN 24960)													UCC	UCL
D1	D6	D7	D3	L1K	L3K	L1N	L1	L3	L4	L6	L5	H	D8	L7
10	17	21	22	32.5	25.5	40	22	15	7	4	1.5	18	3	8.5
12	19	23	24	32.5	25.5	40	25	18	7	4	1.5	15	3	8.5
14	21	25	26	35	28	40	29	22	7	4	1.5	11	3	8.5
16	23	27	28	35	28	40	30	23	7	4	1.5	10	3	8.5
18	27	33	33	37.5	27.5	45	34	24	10	5	2	11	3	9
20	29	35	35	37.5	27.5	45	35	25	10	5	2	10	3	9
22	31	37	37	37.5	27.5	45	35	25	10	5	2	10	3	9
24	33	39	39	40	30	50	37	27	10	5	2	13	3	9
25	34	40	41	40	30	50	37	27	10	5	2	13	3	9
28	37	43	44	42.5	32.5	50	39	29	10	5	2	11	3	9
30	39	45	46	42.5	32.5	50	40	30	10	5	2	10	3	9
32	42	48	48	42.5	32.5	55	40	30	10	5	2	15	3	9
33	42	48	50	42.5	32.5	55	49	39	10	5	2	6	3	9
35	44	50	52	42.5	32.5	55	49	39	10	5	2	6	3	9
38	49	56	56	45	32	55	55	42	13	6	2	—	4	9
40	51	58	58	45	32	55	55	42	13	6	2	—	4	9
43	54	61	62	45	32	60	60	47	13	6	2	—	4	9
45	56	63	64	45	32	60	60	47	13	6	2	—	4	9
48	59	66	67	45	32	60	60	47	13	6	2	—	4	9
50	62	70	69	47.5	33.5	60	60	46	14	6	2.5	—	4	9
53	65	73	72	47.5	33.5	70	70	56	14	6	2.5	—	4	9
55	67	75	75	47.5	33.5	70	70	56	14	6	2.5	—	4	9
58	70	78	80	52.5	38.5	70	70	56	14	6	2.5	—	4	9
60	72	80	82	52.5	38.5	70	70	56	14	6	2.5	—	4	9
63	75	83	85	52.5	38.5	70	70	56	14	6	2.5	—	4	9
65	77	85	87	52.5	38.5	80	80	66	14	6	2.5	—	4	9
68	81	90	91	52.5	36.5	80	80	64	16	7	2.5	—	4	9
70	83	92	93	60	44	80	80	64	16	7	2.5	—	4	9
75	88	97	101	60	44	80	80	64	16	7	2.5	—	4	9
80	95	105	106	60	42	90	90	72	18	7	3	—	4	9
85	100	110	115	60	42	90	90	72	18	7	3	—	4	9
90	105	115	120	65	42	90	90	72	18	7	3	—	4	9
95	110	120	—	65	42	90	90	72	18	7	3	—	4	9
100	115	125	—	65	42	90	90	72	18	7	3	—	4	9

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

Universal high-pressure seal for plain shafts
Super-sinus spring, product protected
Shrunk or brazed seal rings
Food industry



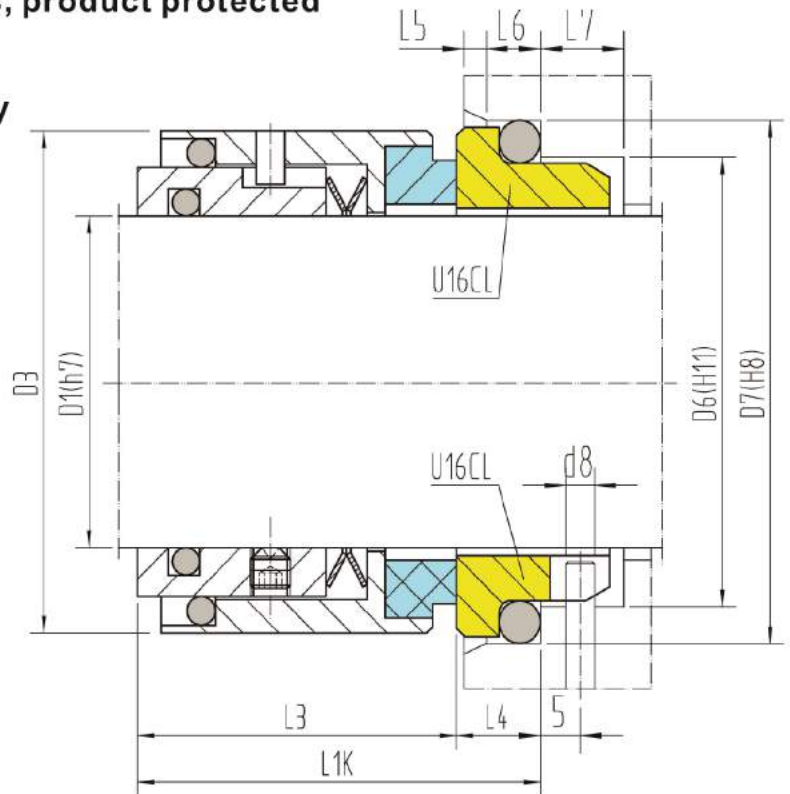
Operating limits:
 (look at working conditions page 112)

EHSK	
p ≤	25 bar
t =	-35 + 140°C (220°C)
v ≤	15 m/s

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

EN 12756 (DIN 24960)										UCL	
D1	D6	D7	D3	L1K	L3	L4	L6	L5	D8	L7	
14	21	25	26	35	28	7	4	1.5	3	8.5	
16	23	27	31	35	28	7	4	1.5	3	8.5	
18	27	33	36	37.5	27.5	10	5	2	3	9	
20	29	35	38	37.5	27.5	10	5	2	3	9	
22	31	37	39	37.5	27.5	10	5	2	3	9	
24	33	39	40	40	30	10	5	2	3	9	
25	34	40	40	40	30	10	5	2	3	9	
28	37	43	44	42.5	32.5	10	5	2	3	9	
30	39	45	44	42.5	32.5	10	5	2	3	9	
32	42	48	47	42.5	32.5	10	5	2	3	9	
33	42	48	48	42.5	32.5	10	5	2	3	9	
35	44	50	50	42.5	32.5	10	5	2	3	9	
38	49	56	55	45	32	13	6	2	4	9	
40	51	58	58	45	32	13	6	2	4	9	
43	54	61	62	45	32	13	6	2	4	9	
45	56	63	64	45	32	13	6	2	4	9	
48	59	66	67	45	32	13	6	2	4	9	
50	62	70	70	47.5	33.5	14	6	2.5	4	9	
53	65	73	74	47.5	33.5	14	6	2.5	4	9	
55	67	75	78	47.5	33.5	14	6	2.5	4	9	
58	70	78	80	52.5	38.5	14	6	2.5	4	9	
60	72	80	82	52.5	38.5	14	6	2.5	4	9	
63	75	83	87	52.5	38.5	14	6	2.5	4	9	
65	77	85	89	52.5	38.5	14	6	2.5	4	9	
68	81	90	92	52.5	36.5	16	7	2.5	4	9	
70	83	92	94	60	44	16	7	2.5	4	9	
75	88	97	103	60	44	16	7	2.5	4	9	
80	95	105	108	60	42	18	7	3	4	9	
85	100	110	113	60	42	18	7	3	4	9	
90	105	115	118	65	47	18	7	3	4	9	
95	110	120	123	65	47	18	7	3	4	9	
100	115	125	128	65	47	18	7	3	4	9	

Universal high-pressure seal for plain shafts
Super-sinus spring and set screws, product protected
Shrunk seal rings
Sterile applications
Food- and pharmaceutical industry



Customized special designs are possible !

Materials:

Rotary: B, Q, U

Stationary: Q, U

Rubber parts: P, E, V, K, M

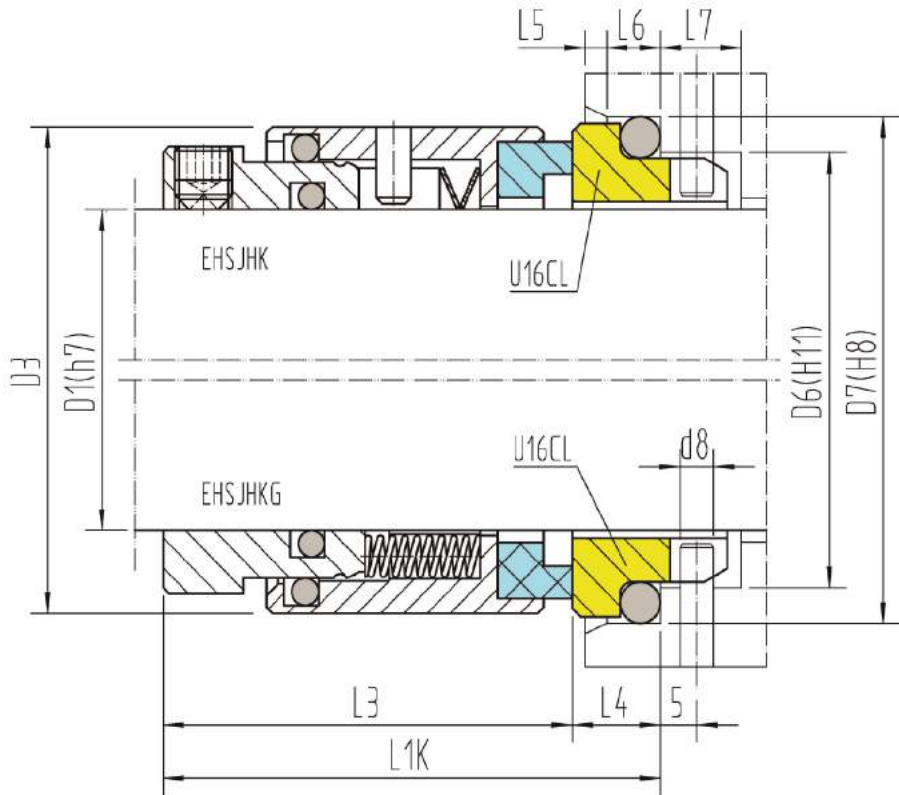
Operating limits:

(look at working conditions page 112)

p ≤	25 bar
t =	-35 + 140°C
v ≤	15 m/s

EN 12756 (DIN 24960)										U16CL
D1	D6	D7	D3	L1K	L3	L4	L6	L5	D8	L7
14	21	25	25	35	29.5	5.5	4	1.5	3	8.5
16	23	27	30	35	29.5	5.5	4	1.5	3	8.5
18	27	33	32	37.5	30.5	7	5	2	3	9
20	29	35	34	37.5	30.5	7	5	2	3	9
22	31	37	36	37.5	30.5	7	5	2	3	9
24	33	39	38	40	33	7	5	2	3	9
25	34	40	39	40	33	7	5	2	3	9
28	37	43	42	42.5	35.5	7	5	2	3	9
30	39	45	44	42.5	35.5	7	5	2	3	9
32	42	48	47	42.5	35.5	7	5	2	3	9
33	42	48	47	42.5	35.5	7	5	2	3	9
35	44	50	49	42.5	35.5	7	5	2	3	9
38	49	56	54	45	37	8	6	2	4	9
40	51	58	56	45	37	8	6	2	4	9
43	54	61	59	45	37	8	6	2	4	9
45	56	63	61	45	37	8	6	2	4	9
48	59	66	64	45	37	8	6	2	4	9
50	62	70	66	47.5	38	9.5	6	2.5	4	9
53	65	73	69	47.5	38	9.5	6	2.5	4	9
55	67	75	71	47.5	38	9.5	6	2.5	4	9
58	70	78	78	52.5	42	10.5	6	2.5	4	9
60	72	80	80	52.5	42	10.5	6	2.5	4	9
63	75	83	83	52.5	42	10.5	6	2.5	4	9
65	77	85	85	52.5	42	10.5	6	2.5	4	9
68	81	90	-	52.5	41.5	11.5	7	2.5	4	9
70	83	92	90	60	48.5	11.5	7	2.5	4	9
75	88	97	99	60	48.5	11.5	7	2.5	4	9
80	95	105	104	60	48.5	11.5	7	3	4	9
85	100	110	109	60	48.5	11.5	7	3	4	9
90	105	115	114	65	52	13	7	3	4	9
95	110	120	119	65	52	13	7	3	4	9
100	115	125	124	65	52	13	7	3	4	9

Universal high-pressure seal for plain shafts
 Super-sinus spring, product protected or multiple springs
 Shrunk seal rings
 Food industry



Operating limits:

(look at working conditions page 112)

$p \leq$	25 bar
$t =$	$-35 \div 140^\circ\text{C}$
$v \leq$	15 m/s

Materials:

Rotary: A, B, Q, U

Stationary: Q, U

Rubber parts: P, E, V, K, M

EN 12756 (DIN 24960)										U16CL	
D1	D6	D7	D3	L1K	L3	L4	L6	L5	D8	L7	
14	21	25	25	35	29.5	5.5	4	1.5	3	8.5	
16	23	27	26	35	29.5	5.5	4	1.5	3	8.5	
18	27	33	32	37.5	30.5	7	5	2	3	9	
20	29	35	34	37.5	30.5	7	5	2	3	9	
22	31	37	36	37.5	30.5	7	5	2	3	9	
24	33	39	38	40	33	7	5	2	3	9	
25	34	40	39	40	33	7	5	2	3	9	
28	37	43	42	42.5	35.5	7	5	2	3	9	
30	39	45	44	42.5	35.5	7	5	2	3	9	
32	42	48	47	42.5	35.5	7	5	2	3	9	
33	42	48	47	42.5	35.5	7	5	2	3	9	
35	44	50	49	42.5	35.5	7	5	2	3	9	
38	49	56	54	45	37	8	6	2	4	9	
40	51	58	56	45	37	8	6	2	4	9	
43	54	61	59	45	37	8	6	2	4	9	
45	56	63	61	45	37	8	6	2	4	9	
48	59	66	64	45	37	8	6	2	4	9	
50	62	70	66	47.5	38	9.5	6	2.5	4	9	
53	65	73	69	47.5	38	9.5	6	2.5	4	9	
55	67	75	71	47.5	38	9.5	6	2.5	4	9	
58	70	78	78	52.5	42	10.5	6	2.5	4	9	
60	72	80	80	52.5	42	10.5	6	2.5	4	9	
63	75	83	83	52.5	42	10.5	6	2.5	4	9	
65	77	85	85	52.5	42	10.5	6	2.5	4	9	
68	81	90	88	52.5	41.5	11.5	7	2.5	4	9	
70	83	92	90	60	48.5	11.5	7	2.5	4	9	
75	88	97	99	60	48.5	11.5	7	2.5	4	9	
80	95	105	104	60	48.5	11.5	7	3	4	9	
85	100	110	109	60	48.5	11.5	7	3	4	9	
90	105	115	114	65	52	13	7	3	4	9	
95	110	120	119	65	52	13	7	3	4	9	
100	115	125	124	65	52	13	7	3	4	9	