

CORNEAL POWER - CORNEAL CURVATURE CONVERSION TABLE

Conversion between corneal power K (D) and corneal front surface radius of curvature r (mm) *

K (D) - r (mm)	K (D) - r (mm)	K (D) - r (mm)	K (D) - r (mm)	K (D) - r (mm)	K (D) - r (mm)	K (D) - r (mm)
36.00-9.37	39.00-8.65	42.00-8.03	45.00-7.50	48.00-7.03	51.00-6.61	54.00-6.25
36.12-9.33	39.12-8.62	42.12-8.01	45.12-7.48	48.12-7.01	51.12-6.60	54.12-6.23
36.25-9.30	39.25-8.59	42.25-7.98	45.25-7.45	48.25-6.99	51.25-6.58	54.25-6.22
36.37-9.27	39.37-8.57	42.37-7.96	45.37-7.43	48.37-6.97	51.37-6.56	54.37-6.20
36.50-9.24	39.50-8.54	42.50-7.94	45.50-7.41	48.50-6.95	51.50-6.55	54.50-6.19
36.62-9.21	39.62-8.51	42.62-7.91	45.62-7.39	48.62-6.94	51.62-6.53	54.62-6.17
36.75-9.18	39.75-8.49	42.75-7.89	45.75-7.37	48.75-6.92	51.75-6.52	54.75-6.16
36.87-9.15	39.87-8.45	42.87-7.87	45.87-7.35	48.87-6.90	51.87-6.50	54.87-6.15
37.00-9.12	40.00-8.43	43.00-7.84	46.00-7.33	49.00-6.88	52.00-6.49	55.00-6.13
37.12-9.09	40.12-8.41	43.12-7.82	46.12-7.31	49.12-6.87	52.12-6.47	55.12-6.12
37.25-9.06	40.25-8.38	43.25-7.80	46.25-7.29	49.25-6.85	52.25-6.46	55.25-6.10
37.37-9.03	40.37-8.36	43.37-7.78	46.37-7.27	49.37-6.83	52.37-6.44	55.37-6.09
37.50-9.00	40.50-8.33	43.50-7.75	46.50-7.25	49.50-6.81	52.50-6.42	55.50-6.08
37.62-8.97	40.62-8.30	43.62-7.73	46.62-7.23	49.62-6.80	52.62-6.41	55.62-6.06
37.75-8.94	40.75-8.28	43.75-7.71	46.75-7.21	49.75-6.78	52.75-6.39	55.75-6.05
37.87-8.91	40.87-8.25	43.87-7.69	46.87-7.20	49.87-6.76	52.87-6.38	55.87-6.04
38.00-8.88	41.00-8.23	44.00-7.67	47.00-7.18	50.00-6.75	53.00-6.36	
38.12-8.85	41.12-8.20	44.12-7.64	47.12-7.16	50.12-6.73	53.12-6.35	
38.25-8.82	41.25-8.18	44.25-7.62	47.25-7.14	50.25-6.71	53.25-6.33	
38.37-8.79	41.37-8.15	44.37-7.60	47.37-7.12	50.37-6.70	53.37-6.32	
38.50-8.76	41.50-8.13	44.50-7.58	47.50-7.10	50.50-6.68	53.50-6.30	
38.62-8.73	41.62-8.10	44.62-7.56	47.62-7.08	50.62-6.66	53.62-6.29	
38.75-8.70	41.75-8.08	44.75-7.54	47.75-7.06	50.75-6.65	53.75-6.27	
38.87-8.68	41.87-8.06	44.87-7.52	47.87-7.05	50.87-6.63	53.87-6.26	

* Based on the equation: Surface power (D) = (1.3375 - 1.0) / radius (m)



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CALCULATION TABLE - VERTEX DISTANCE

Contact lens power depending on the distance of the spectacle lens to the apex of the cornea*

CONTACT LENSES MINUS				SPECTACLES	CONTACT LENSES PLUS			
10 mm	12 mm	14 mm	16 mm	(D)	16 mm	14 mm	12 mm	10 mm
3.50	3.25	3.25	3.25	3.50	3.75	3.75	3.75	3.75
3.50	3.50	3.50	3.50	3.75	4.00	4.00	4.00	4.00
3.75	3.75	3.75	3.75	4.00	4.25	4.25	4.25	4.25
4.00	4.00	4.00	4.00	4.25	4.50	4.50	4.50	4.50
4.25	4.25	4.25	4.25	4.50	4.75	4.75	4.75	4.75
4.50	4.50	4.50	4.50	4.75	5.25	5.00	5.00	5.00
4.75	4.75	4.75	4.75	5.00	5.50	5.50	5.25	5.25
5.00	5.00	5.00	4.75	5.25	5.75	5.75	5.50	5.50
5.25	5.25	5.00	5.00	5.50	6.00	6.00	6.00	5.75
5.50	5.50	5.25	5.25	5.75	6.25	6.25	6.25	6.00
5.75	5.75	5.50	5.50	6.00	6.75	6.50	6.50	6.50
6.00	5.75	5.75	5.75	6.25	7.00	6.75	6.75	6.75
6.00	6.00	6.00	6.00	6.50	7.25	7.25	7.00	7.00
6.25	6.25	6.25	6.00	6.75	7.50	7.50	7.25	7.25
6.50	6.50	6.50	6.25	7.00	8.00	7.75	7.75	7.50
6.75	6.75	6.50	6.50	7.25	8.25	8.00	8.00	7.75
7.00	7.00	6.75	6.75	7.50	8.50	8.50	8.25	8.00
7.25	7.00	7.00	7.00	7.75	8.75	8.75	8.50	8.50
7.50	7.25	7.25	7.00	8.00	9.25	9.00	8.75	8.75
7.50	7.50	7.50	7.25	8.25	9.50	9.25	9.25	9.00
7.75	7.75	7.50	7.50	8.50	9.75	9.75	9.50	9.25
8.00	8.00	7.75	7.75	8.75	10.25	10.00	9.75	9.50
8.25	8.00	8.00	7.75	9.00	10.50	10.50	10.00	10.00
8.50	8.25	8.25	8.00	9.25	10.75	10.75	10.50	10.25
8.75	8.50	8.50	8.25	9.50	11.25	11.00	10.75	10.50
9.00	8.75	8.50	8.50	9.75	11.50	11.25	11.00	10.75
9.00	9.00	8.75	8.50	10.00	12.00	11.75	11.25	11.00
9.50	9.25	9.25	9.00	10.50	12.50	12.25	12.00	11.75
10.00	9.75	9.50	9.25	11.00	13.25	13.00	12.75	12.25
10.25	10.00	10.00	9.75	11.50	14.00	13.75	13.25	13.00
10.75	10.50	10.25	10.00	12.00	14.75	14.50	14.00	13.75
11.00	10.75	10.75	10.50	12.50	15.75	15.25	14.75	14.25
11.50	11.00	11.00	10.75	13.00	16.50	16.00	15.50	15.00
12.00	11.50	11.25	11.00	13.50	17.25	16.75	16.00	15.50
12.25	12.00	11.75	11.50	14.00	18.00	17.50	16.75	16.25
12.75	12.25	12.00	11.75	14.50	19.00	18.25	17.50	17.00
13.00	12.75	12.50	12.00	15.00	19.75	19.00	18.25	17.75
13.50	13.00	12.75	12.50	15.50	20.50	19.75	19.00	18.25
13.75	13.50	13.00	12.75	16.00	21.50	20.50	19.75	19.00
14.25	13.75	13.50	13.00	16.50	22.50	21.50	20.50	19.75
14.50	14.00	13.75	13.25	17.00	23.25	22.25	21.25	20.50
15.00	14.50	14.00	13.75	17.50	24.25	23.25	22.25	21.25
15.25	14.75	14.50	14.00	18.00	25.25	24.00	23.00	22.00
15.50	15.25	14.75	14.25	18.50	26.25	25.00	23.75	22.75
16.00	15.50	15.00	14.50	19.00	27.25	26.00	24.50	23.50
16.25	15.75	15.25	14.75	19.50	28.25	26.75	25.00	24.25
16.75	16.25	15.75	15.25	20.00	29.50	27.75	26.25	25.00
17.00	16.50	16.00	15.50	20.50	30.50	28.75	27.25	25.75
17.25	16.75	16.25	15.75	21.00	31.75	29.75	28.00	26.50

* Based on the equation Ocular Refraction = Spectacle Refraction / [1 - (Vertex Distance x Spectacle Refraction)]
Ocular Refraction & Spectacle Refraction in D and Vertex Distance in m