

1.50 FINISHED SINGLE VISION LENS

TRANSITIONS® SIGNATURE GEN 8 (Diameter 65-70 mm)

MATERIAL REFRACTIVE PROPERTY		TRANSMISSION PROPERTY (UNCOAT LENS 2 MM)	
Refractive Index	1.498	Lens Classification	Photochromic Spectacle Lenses
Abbe Value	59.3	Lens Filter Categories	Category 0 at Clear Stage and Category 3
Density	1.31	Traffic Signal Light Recognition ISO14889-1997	Pass

Stock Range

DIAMETER (mm)	POWER	CYLINDER	ABSOLUTE POWER
65	4.00 to 0.25	0.00 to -2.00	
70	2.00 to 0.00	0.00 to -2.00	≤ -4.00
70	-6.00 to -4.00	0.00 to -2.00	≤ -4.00

Diameter 65 mm

POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT	POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT
+0.25	5.55	5.26	2.00	+2.25	6.60	6.25	3.50
+0.50	5.23	4.95	2.00	+2.50	6.36	6.02	3.70
+0.75	5.55	5.26	2.00	+2.75	6.60	6.25	4.00
+1.00	5.80	5.49	2.10	+3.00	6.85	6.49	4.30
+1.25	6.07	5.75	2.40	+3.25	7.13	6.75	4.60
+1.50	5.80	5.49	2.60	+3.50	6.85	6.49	4.80
+1.75	6.07	5.75	2.90	+3.75	7.13	6.75	5.10
+2.00	6.36	6.02	3.20	+4.00	7.43	7.04	5.40

Usefull : Tol (mm) ≥ Ø n - 2

TECHNICAL DATA

1.50 FINISHED SINGLE VISION LENS

TRANSITIONS® SIGNATURE GEN 8 (Diameter 65-70 mm)

Diameter 70 mm

POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT	POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT
+2.00	6.36	6.02	3.60	-1.25	4.49	4.25	2.00
+1.75	6.07	5.75	3.20	-1.50	4.22	4.00	2.00
+1.50	5.80	5.49	2.90	-1.75	4.49	4.25	2.00
+1.25	6.07	5.75	2.60	-2.00	4.22	4.00	2.00
+1.00	5.80	5.49	2.30	-2.25	3.96	3.75	2.00
+0.75	5.55	5.26	2.20	-2.50	3.70	3.50	2.00
+0.50	5.23	4.95	2.00	-2.75	3.96	3.75	2.00
+0.25	5.55	5.26	2.00	-3.00	3.70	3.50	2.00
0.00	5.23	4.95	2.00	-3.25	3.43	3.25	2.00
-0.25	4.97	4.71	2.00	-3.50	3.17	3.00	2.00
-0.50	4.71	4.46	2.00	-3.75	3.43	3.25	2.00
-0.75	4.97	4.71	2.00	-4.00	3.17	3.00	2.00
-1.00	4.71	4.46	2.00				

Usefull : Tol (mm) $\geq \emptyset n - 2$