TECHNICAL DATA

Transitions™ Light Intelligent Lenses × TOG THAI OPTICAL GROUP

1.60 FINISHED SINGLE VISION LENS

TRANSITIONS® SIGNATURE GEN 8 (Diameter 65-75 mm)

MATERIAL REFRACTIVE PROPERTY		TRANSMISSION PROPERTY (UNCOAT LENS 2 MM)	
Refractive Index	1.597	Lens Classification	Photochromic Spectacle Lenses
Abbe Value	42	Lens Filter Categories	Category 0 at Clear Stage and Category 3
Density	1.30	Traffic Signal Light Recognition ISO14889-1997	Pass

Stock Range

DIAMETER (mm)	POWER	CYLINDER
65	0.25 to 6.00	0.00 to -2.00
70	-6.25 to -8.00	0.00 to -2.00
75	0.00 to -6.00	0.00 to -2.00

Diameter 65 mm

POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT	POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT
+0.25	4.22	4.75	2.10	+3.25	5.64	6.35	4.00
+0.50	4.44	5.00	1.90	+3.50	5.86	6.60	4.30
+0.75	4.66	5.25	1.90	+3.75	6.08	6.85	4.50
+1.00	4.88	5.50	2.00	+4.00	6.30	7.10	4.70
+1.25	5.10	5.75	2.30	+4.25	4.57	5.15	4.90
+1.50	5.33	6.00	2.50	+4.50	4.79	5.40	5.10
+1.75	5.55	6.25	2.70	+4.75	5.02	5.65	5.40
+2.00	5.77	6.50	3.00	+5.00	5.24	5.90	5.60
+2.25	4.75	5.35	3.20	+5.25	5.46	6.15	5.80
+2.50	4.97	5.60	3.40	+5.50	5.68	6.40	6.00
+2.75	5.19	5.85	3.60	+5.75	5.90	6.65	6.20
+3.00	5.42	6.10	3.80	+6.00	6.13	6.90	6.40

Usefull : Tol (mm) ≥ Ø n - 2

Diameter 70 mm

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POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT	POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT
-6.25	1.91	2.15	1.15	-7.25	1.02	1.15	1.15
-6.50	1.69	1.90	1.15	-7.50	0.80	0.90	1.15
-6.75	1.46	1.65	1.15	-7.75	1.69	1.90	1.15
-7.00	1.24	1.40	1.15	-8.00	1.46	1.65	1.15

Usefull : Tol (mm) ≥ Ø n – 2

Diameter 75 mm

POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT	POWER	FRONT NOMINAL CURVE	BACK NOMINAL CURVE	CT
0.00	3.99	4.50	1.90	-3.25	2.44	2.75	1.15
-0.25	3.77	4.25	1.80	-3.50	2.22	2.50	1.15
-0.50	3.55	4.00	1.70	-3.75	2.00	2.25	1.15
-0.75	3.33	3.75	1.70	-4.00	1.78	2.00	1.15
-1.00	3.11	3.50	1.60	-4.25	2.22	2.50	1.15
-1.25	3.33	3.75	1.50	-4.50	2.00	2.25	1.15
-1.50	3.11	3.50	1.40	-4.75	1.78	2.00	1.15
-1.75	2.89	3.25	1.15	-5.00	1.55	1.75	1.15
-2.00	2.66	3.00	1.15	-5.25	1.78	2.00	1.15
-2.25	2.89	3.25	1.15	-5.50	1.55	1.75	1.15
-2.50	2.66	3.00	1.15	-5.75	1.33	1.50	1.15
-2.75	2.44	2.75	1.15	-6.00	1.11	1.25	1.15
-3.00	2.22	2.50	1.15				

Usefull : Tol (mm) ≥ Ø n - 2