

TRIAL SETS AND FRAMES



CUSTOM TRIAL LENS SET

Utilizing the most complex grinding formula to produce the most accurate trial lens, Marco custom corrected curve trial lenses are specifically manufactured to display the same quality and precision as the lenses used in the standard Marco RT-300 refractor.

During production, the front and back surfaces of each lens is constantly adjusted and balanced to ensure maximum accuracy. The result is a beautifully finished lens that is extremely thin while still being fully additive. The lenses are then mounted in lightweight, color-coded rims for easy identification.

The Marco Custom Trial Lens Set is also available in both plus and minus cylinders. Removable cylinder trays make individual purchasing needs simple and flexible. An attractive vinyl carrying case is optional.



CUSTOM TRIAL LENS SET TECHNICAL DATA

Optical Features: Corrected curve meniscus convex and concave lenses of 18mm and 25mm diameter.

- Fully additive effective power.
- Plus and Minus cylinder trays can be purchased separately.
- Custom combinations of lenses available.
- No distortion or aberration beyond established limits.
- Cylinder and prismatic lenses keyed to prevent rotation.

Mounting: Unbreakable anodized aluminum, color-coded for easy identification.

Lens Tray Features: Unique angle of lens slots assures complete visibility of every lens power marking.

Lens Tray	20.5" x 12.5" x 1.4"
Weight	8.5 lbs.
Material	High impact plastic.
Color/Finish	Gray

CUSTOM TRIAL LENS SET SELECTION

<u>+ Spheres (One each)</u>	<u>- Spheres (One each)</u>	<u>+ Cylinders (One pair each)</u>
20.00	20.00	8.00
18.00	18.00	7.00
16.00	16.00	6.00
15.00	14.00	5.50
14.00	13.00	5.00
13.50		4.50
13.00	<u>(One pair each)</u>	4.00
	12.00	3.50
<u>(One pair each)</u>	11.00	3.00
12.50	10.00	2.75
12.00	9.00	2.50
11.50	8.00	2.25
11.00	7.50	2.00
10.50	7.00	1.75
10.00	6.50	1.50
9.50	6.00	1.25
9.00	5.50	1.00
8.50	5.00	.75
8.00	4.50	.62
7.50	4.00	.50
7.00	3.75	.37
6.50	3.50	.25
6.00	3.25	.12
5.50	3.00	
5.00	2.75	<u>- Cylinders (One pair each)</u>
4.50	2.50	8.00
4.00	2.25	7.00
3.75	2.00	6.00
3.50	1.75	5.50
3.25	1.50	5.00
3.00	1.25	4.50
2.75	1.00	4.00
2.50	.75	3.50
2.25	.62	3.00
2.00	.50	2.75
1.75	.37	2.50
1.50	.25	2.25
1.25	.12	2.00
1.00		1.75
.75	<u>Prisms (One each)</u>	1.50
.62	20.00	1.25
.50	15.00	1.00
.37	12.00	.75
.25	10.00	.62
.12	8.00	.50
	6.00	.37
<u>Accessories</u>	5.00	.25
R.M.		.12
P.H.	<u>(One pair each)</u>	
S.S.	4.00	
D.P.	3.00	
R.	2.00	
C.C.	1.50	
(±.50)(pr.)	1.00	
BL.	.50	
O.O.		



35-6 TW TRIAL LENS SET

The Marco 35-6 TW Full Diameter Trial Lens Set has consistently been the market leader for over twenty years.

While maintaining only the highest level of quality throughout the manufacturing process, the Marco 35-6 TW Trial Lens Set continues to set the standard for excellence by adhering to strict industry guidelines, and to the guidelines established by highly recognized national authorities.

The Marco full diameter trial lens set offers a more even distribution of bi-convex and bi-concave lenses, from lower to higher power. The 35-6 TW trial lenses also incorporate metal rims which ensure strength and stability, satin-finish handles with the lens power engraved on both sides, and square and round handles to visually indicate plus or minus power.

The 35-6 TW Trial Lens Set comes standard with an attractive vinyl carrying case, and a modern hard-composite lens tray that is much easier to clean and maintain.



35-6 TW TRIAL LENS SET SELECTION

<u>+ Spheres (One pair each)</u>	<u>- Spheres (One pair each)</u>	<u>+ Cylinders (One pair each)</u>
20.00	20.00	6.00
18.00	18.00	5.00
16.00	16.00	4.50
15.00	15.00	4.00
14.00	14.00	3.50
13.00	13.00	3.00
12.00	12.00	2.50
11.00	11.00	2.25
10.00	10.00	2.00
9.00	9.00	1.75
8.00	8.00	1.50
7.50	7.50	1.25
7.00	7.00	1.00
6.50	6.50	.75
6.00	6.00	.50
5.50	5.50	.25
5.00	5.00	.12
4.50	4.50	
4.00	4.00	<u>- Cylinders (One pair each)</u>
3.75	3.75	6.00
3.50	3.50	5.00
3.25	3.25	4.50
3.00	3.00	4.00
2.75	2.75	3.50
2.50	2.50	3.00
2.25	2.25	2.50
2.00	2.00	2.25
1.75	1.75	2.00
1.50	1.50	1.75
1.25	1.25	1.50
1.00	1.00	1.25
.75	.75	1.00
.50	.50	.75
.25	.25	.50
.12	.12	.25
		.12
<u>Prisms</u>	<u>Accessories</u>	
8	R.G.	
7	S.D.	
6	O.	
5	P.H.	
4	(1mm)	
3	P.H.	
2 (pr.)	(1.5mm)	
1 (pr.)		
.5 (pr.)		

43-6MS TRIAL LENS SET SELECTION

<u>+ Spheres (One pair each)</u>	<u>- Spheres (One pair each)</u>	<u>+ Cylinders (One pair each)</u>	<u>- Cylinders (One pair each)</u>
20.00	20.00	6.00	6.00
18.00	18.00	5.00	5.00
16.00	16.00	4.50	4.50
15.00	15.00	4.00	4.00
14.00	14.00	3.75	3.75
13.00	13.00	3.50	3.50
12.00	12.00	3.25	3.25
11.00	11.00	3.00	3.00
10.00	10.00	2.75	2.75
9.00	9.00	2.50	2.50
8.00	8.00	2.25	2.25
7.75	7.75	2.00	2.00
7.50	7.50	1.75	1.75
7.25	7.25	1.50	1.50
7.00	7.00	1.25	1.25
6.75	6.75	1.00	1.00
6.50	6.50	.75	.75
6.25	6.25	.50	.50
6.00	6.00	.25	.25
5.75	5.75	.12	.12
5.50	5.50		
5.25	5.25	<u>Accessories</u>	<u>Prisms</u>
5.00	5.00	RL	10
4.75	4.75	GL	8
4.50	4.50	SD (1.0)	7
4.25	4.25	SD (1.5)	6
4.00	4.00	0	5
3.75	3.75	PH (1.0)	4
3.50	3.50	PH (1.5)	3
3.25	3.25	P	2 (pr.)
3.00	3.00	CH	1 (pr.)
2.75	2.75	WD	.5 (pr.)
2.50	2.50	WM	
2.25	2.25	CB	
2.00	2.00	RM	
1.75	1.75	HHCC .50	
1.50	1.50	HHCC 1.00	
1.25	1.25		
1.00	1.00		
.75	.75		
.50	.50		
.25	.25		
.12	.12		



35-6 TW TRIAL LENS SET TECHNICAL DATA

Optical Features Plano-convex, plano-concave, bi-convex and bi-concave full diameter lenses. Combination or separate cylinder lens selections available.

Mounting Metal rims.

Lens Tray Dimensions 20.5" x 12.5" x 1.4"

Carrying Case Vinyl covered carrying case with hard-composite removable inner tray.

43-6MS STUDENT TRIAL LENS SET

The Marco 43-6MS Full Diameter Student Trial Lens Set was specifically developed to address the demanding technical requirements and cost needs of optometry students. While maintaining the same high quality manufacturing standards as established on the more expensive 35-6TW Trial Lens Set, the 43-6MS offers the optometric student a more comprehensive lens selection in sphere, cylinder, prism, as well as accessory lenses. Two hand-held cross cylinder lenses are also standard on the 43-6MS. With an attractive vinyl combination lock carrying case and a classic black felt-lined removable wooden lens tray, the Marco 43-6MS Student Trial Lens Set clearly sets a new standard for the educational demands of optometric students.



43-6MS FULL DIAMETER STUDENT TRIAL LENS SET

Optical Features Plano-convex, plano-concave, bi-convex and bi-concave full diameter lenses. Combination or separate cylinder lens selections available.

Mounting Metal rims.

Lens Tray Dimensions 20.5" x 12.5" x 1.4"

Carrying Case Vinyl covered carrying case with black felt-lined removable wooden inner tray. Combination lock provides lens security.

PERIMETER TRIAL LENS SET



The Marco Perimeter Trial Lens Set consists of a more modest selection of the same quality lenses that are found in the 35-6 TW Trial Lens Set.

Primarily produced for field machine use, the Perimeter Trial Lens Set

has proven invaluable for field refractions at nursing homes, hospitals and various satellite clinics. The Perimeter Trial Lens Set comes standard with a small vinyl carrying case.

PERIMETER TRIAL LENS SET TECHNICAL DATA

Optical Features:

Plano-convex, plano-concave, bi-convex and bi-concave full diameter lenses. Plus or minus cylinder lenses available.

PERIMETER TRIAL LENS SET SELECTION:

<u>+ Spheres (One each)</u>	<u>- Spheres (One each)</u>	<u>+ Cylinders or - Cylinders (One each)</u>
16.00	16.00	5.00
14.00	14.00	4.50
13.00	13.00	4.00
12.00	12.00	3.50
11.00	11.00	3.00
10.00	10.00	2.50
9.00	9.00	2.00
8.00	8.00	1.50
7.00	7.00	1.00
6.50	6.50	.75
6.00	6.00	.50
5.50	5.50	.25
5.00	5.00	
4.50	4.50	
4.00	4.00	
3.50	3.50	
3.00	3.00	
2.75	2.75	
2.50	2.50	
2.25	2.25	
2.00	2.00	
1.75	1.75	
1.50	1.50	
1.25	1.25	
1.00	1.00	
.75	.75	
.50	.50	
.25	.25	

- MTL TRIAL FRAME
- STUDENT TRIAL FRAME
- PERLSTEIN FLIP CYLINDER
- HAND-HELD CROSS CYLINDERS

The Marco MTL Trial Frame is an all-aluminum trial frame that provides lightweight comfort for the patient and fingertip control of a full range of adjustments for the operator. The MTL can hold four 1.5" trial lens rings. Proper cell spacing ensures accurate additive power results.



The less expensive Student Trial Frame offers similar quality, but utilizes nylon pinion gears and swivel rings for cell rotations.



The Perlstein Flip-Cylinder can be comfortably mounted in any standard trial frame rotary cell. The flip-cylinder utilizes the same "flip" refinement method as the standard cross cylinder on a traditional refractor.

Hand-held cross cylinders in .25, .37, and .50 powers are also popular Marco products.



MTL AND STUDENT TRIAL FRAME TECHNICAL DATA

Adjustment • 48mm to 80mm P.D. adjustment.

- Features**
- Variable horizontal and vertical bridge movements.
 - Free rocking saddle bridge for comfortable nose fit.
 - Temple length and angle quickly set. Durable leaf spring loaded temples with formed paddle tips hold frame to patient's head.
 - Positive drive gear and pinion for easy cylinder cell rotations.
 - Knurled knob locks rotating cell.

Capacity Four 1.5" trial lens rings.
Additive effective power.

Weight 3 ounces.



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