

# Miraro

## Zinc-Chromatized

Capacity to 220 lbs each

### FEATURES

- ✓ **Finish:** zinc-chromatized.
- ✓ **Design:** pressed steel, double ball raceway swivel.
- ✓ **Brake Pedal:** chrome plated, zinc alloy standard.
- ✓ **Thread Guards:** plastic, except where noted.
- ✓ **Axle:** 5/16" diameter bolt with lock nut.
- ✓ **Environmentally Friendly:** non-toxic recyclable parts and ROHS compliant.

### CASTER OPTIONS

- ✓ **Total Lock:** locks wheel and swivel simultaneously.
- ✓ **Directional Lock:** locks swivel only for easy rolling in straight line.
- ✓ **Nylon Brake Pedals:** consult factory.



Wheel Dia. (mm)	Tread Width (mm)	Wheel Type	Wheel Bearing	Cap. (lbs)	Total Lock Model Number	Directional Lock Model Number	Swivel Top Plate Model Number	Rigid Top Plate Model Number	Load Height (mm)	Swivel Offset (mm)
75	32	TPU	BALL	110	Y380P1/W300	Y380DP1/W300	Y381P1/W300	Y382P1/W300	107.0	33.0
		WHITE NYLON <sup>1</sup>	PLAIN	110	Y380P1/W309C	Y380DP1/W309C	Y381P1/W309C	Y382P1/W309C		
		ELAST. RUBBER	BLL	110	Y380P1/W324	Y380DP1/W324	Y381P1/W324	Y382P1/W324		
100	32	TPU	BALL	176	Y480P1/W400U	Y480DP1/W400U	Y481P1/W400U	Y482P1/W400U	135.0	40.5
		TPR	BALL	176	Y480P1/W403U	Y480DP1/W403U	Y481P1/W403U	Y482P1/W403U		
		WHITE NYLON <sup>1</sup>	PLAIN	176	Y480P1/W409C	Y480DP1/W409C	Y481P1/W409C	Y482P1/W409C		
		ELAST. RUBBER <sup>2</sup>	BALL	176	Y480P1/W423	Y480DP1/W423	Y481P1/W423	Y482P1/W423		
		TPR ANTI-STATIC <sup>3</sup>	BALL	176	Y480P1/W403DS-AS	Y480DP1/W403DS-AS	Y481P1/W403DS-AS	Y482P1/W403DS-AS		
125	32	TPU	BALL	220	Y580P1/W500U	Y580DP1/W500U	Y581P1/W500U	Y582P1/W500U	161.0	39.0
		TPR	BALL	220	Y580P1/W503U	Y580DP1/W503U	Y581P1/W503U	Y582P1/W503U		
		WHITE NYLON <sup>1</sup>	PLAIN	220	Y580P1/W509C	Y580DP1/W509C	Y581P1/W509C	Y582P1/W509C		
		ELAST. RUBBER <sup>2</sup>	BALL	220	Y580P1/W523	Y580DP1/W523	Y581P1/W523	Y582P1/W523		
		TPR ANTI-STATIC <sup>3</sup>	BALL	220	Y580P1/W503DS-AS	Y580DP1/W523DS-AS	Y581P1/W503DS-AS	Y582P1/W503DS-AS		
150	32	TPU	BALL	220	Y680P1/W600U	Y680DP1/W600U	Y681P1/W600U	Y682P1/W600U	189.5	50.0
		TPR	BALL	220	Y680P1/W603U	Y680DP1/W603U	Y681P1/W603U	Y682P1/W603U		
		ELAST. RUBBER <sup>2</sup>	BALL	220	Y680P1/W623	Y680DP1/W623	Y681P1/W623	Y682P1/W623		
		TPR ANTI-STATIC <sup>3</sup>	BALL	220	Y680P1/W603DS-AS	Y680DP1/W603DS-AS	Y681P1/W603DS-AS	Y682P1/W603DS-AS		

<sup>1</sup> No thread guard.    <sup>2</sup> Gray elastic rubber tire on pressed steel hub, steel thread guards.    <sup>3</sup>Electrical resistance ≤ 10,000 Ohms.

#### Swivel and Rigid Top Plates P1 to P3



Standard plate P1. To order optional plate sizes change code.

(Example: Y380P2/W300).

Mtg Code	Plate Size	Bolt Hole Spacing	Mounting Hole
P1	95mm x 70mm	75mm x 55mm or 72mm x 42mm	9mm
P2	77mm x 67mm	61.5mm x 52mm or 56mm x 45mm	8.5mm
P3	105mm x 80mm	85mm x 60mm or 75mm x 60mm	10mm

#### Round Stem R8 to R16



Change P1 to R mounting code: (Example: Y580R16/W503U)

Mtg. Code	Stem Dia.	Stem Length	Hole to Base	Mounting Hole
R8	22mm	45mm	19mm	M8x1.25
R9	28mm	45mm	19mm	M8x1.25
R16	25.6mm	45mm	19mm	M8x1.25

#### Threaded Stem T2 to T10



Change P1 to T mounting code: (Example: Y480T2/400U)

Mounting Code	Stem Diameter	Stem Length
T2	1/2-13UNC	1"
T3	M10 P1.5	25mm
T4	M12 P1.75	25mm
T5	M16 P2.0	25mm
T6	5/8-11UNC	1-1/4"
T7	1/2-12UNC	1"
T10	1/2-20UNF	1"

#### Open Bolt Hole H1 to H3



Change P1 to H mounting code: (Example: Y380H3/W324)

Mounting Code	Diameter	Fits Stem Size
H1	10.3mm	M10
H2	12.3mm	M12
H3	12.8mm	1/2"

For open bolt hole models reduce load height 2.5mm.





# Duraro

## Stainless Steel

Capacity to 220 lbs each

### FEATURES

- ✓ **Finish:** polished stainless steel.
- ✓ **Design:** pressed stainless steel, double ball raceway swivel yoke.
- ✓ **Brake Pedal:** corrosion resistant nylon.
- ✓ **Thread Guards:** stainless steel.
- ✓ **Axle:** 5/16" diameter bolt with lock nut.
- ✓ **Environmentally Friendly:** non-toxic recyclable parts and ROHS compliant.

### CASTER OPTIONS

- ✓ **Total Lock:** locks wheel and swivel simultaneously.
- ✓ **Directional Lock:** locks swivel only for easy rolling in straight line.
- ✓ **Chrome-Plated, Zinc Alloy Pedals:** consult factory.



Wheel Diameter (mm)	Tread Width (mm)	Wheel Type	Wheel Bearing	Capacity (lbs)	Total Lock Model Number	Directional Lock Model Number	Swivel Top Plate Model Number	Rigid Top Plate Model Number	Load Height (mm)	Swivel Offset (mm)
75	32	TPU <sup>1</sup>	SS BALL	110	Y380XP1SS/W300S	Y380XDP1SS/W300S	Y381P1SS/W300S	Y382P1SS/W300S	107.0	33.0
		WHITE NYLON <sup>2</sup>	PLAIN	110	Y380XP1SS/W309C	Y380XDP1SS/W309C	Y381P1SS/W309C	Y382P1SS/W309C		
		ELAST. RUBBER <sup>1</sup>	SS BALL	110	Y380XP1SS/W324S	Y380XDP1SS/W324S	Y381P1SS/W324S	Y382P1SS/W324S		
100	32	TPU	SS BALL	176	Y480XP1SS/W400DS	Y480XDP1SS/W400DS	Y481P1SS/W400DS	Y482P1SS/W400DS	135.0	40.5
		TPR	SS BALL	176	Y480XP1SS/W403DS	Y480XDP1SS/W403DS	Y481P1SS/W403DS	Y482P1SS/W403DS		
		WHITE NYLON <sup>2</sup>	PLAIN	176	Y480XP1SS/W409C	Y480XDP1SS/W409C	Y481P1SS/W409C	Y482P1SS/W409C		
		TPR ANTI-STATIC <sup>3</sup>	SS BALL	176	Y480XP1SS/W403DS-AS	Y480XDP1SS/W403DS-AS	Y481P1SS/W403DS-AS	Y482P1SS/W403DS-AS		
125	32	TPU	SS BALL	220	Y580XP1SS/W500DS	Y580XDP1SS/W500DS	Y581P1SS/W500DS	Y582P1SS/W500DS	161.0	39.0
		TPR	SS BALL	220	Y580XP1SS/W503DS	Y580XDP1SS/W503DS	Y581P1SS/W503DS	Y582P1SS/W503DS		
		WHITE NYLON <sup>2</sup>	PLAIN	220	Y580XP1SS/W509C	Y580XDP1SS/W509C	Y581P1SS/W509C	Y582P1SS/W509C		
		TPR ANTI-STATIC <sup>3</sup>	PLAIN	220	Y580XP1SS/W503DS-AS	Y580XDP1SS/W503DS-AS	Y581P1SS/W503DS-AS	Y582P1SS/W503DS-AS		
150	32	TPU	SS BALL	220	Y680XP1SS/W600DS	Y680XDP1SS/W600DS	Y681P1SS/W600DS	Y682P1SS/W600DS	189.5	50.0
		TPR	SS BALL	220	Y680XP1SS/W603DS	Y680XDP1SS/W603DS	Y681P1SS/W603DS	Y682P1SS/W603DS		

<sup>1</sup> Plastic thread guards

<sup>2</sup> No thread guard.

<sup>3</sup> Electrical resistance ≤ 10,000 Ohms.

#### Swivel and Rigid Top Plates P1 to P3



Standard plate **P1**. To order optional plate sizes change code:  
(Example: Y380**P2**SS/W300S)

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#### Threaded Stem T2 to T10



Change **P1** to T mounting code:  
(Example: Y480**T2**SS/400DS)

Mounting Code	Stem	Stem Length
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T4	M12 P1.75	25mm
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T7	1/2-12UNC	1"
T10	1/2-20UNF	1"

#### Open Bolt Hole H1 to H3



Change **P1** to H mounting code:  
(Example: Y380**H3**SS/W324S)

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H3	12.8mm	1/2"

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