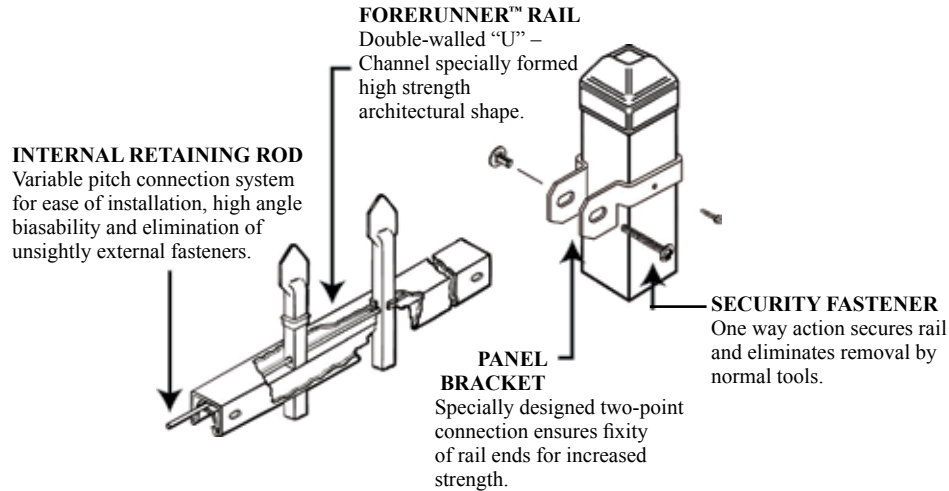
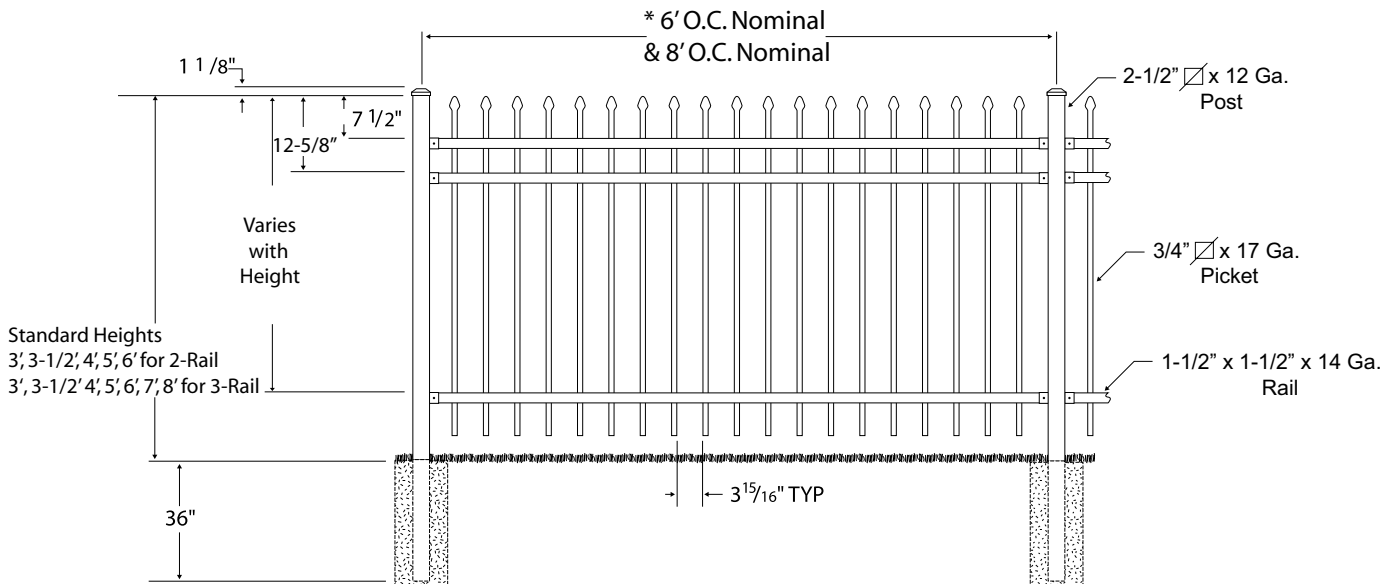


AEGIS PLUS®

COMMERCIAL ORNAMENTAL STEEL FENCE



TYPICAL PANEL DRAWING
(Classic Style shown; Warrior, Majestic, and Genesis also available)



NOTE: PANELS DO NOT COME PRE-ASSEMBLED.

* Refer to Construction Specification
Table for recommended
(Post Spacing by Bracket Type)

Effective: 01/01/13

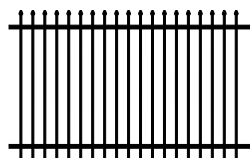
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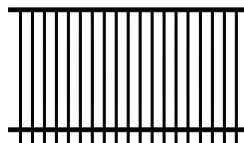
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FENCE PRODUCTS

PANELS

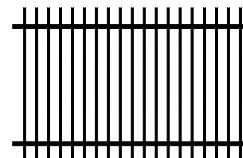
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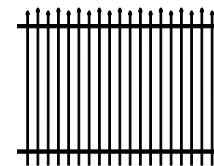
2-Rail Classic™ Panels



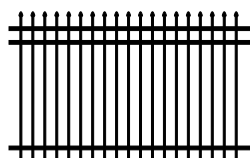
2-Rail Majestic™ Panels



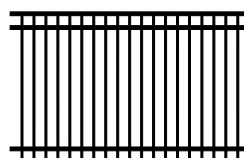
2-Rail Genesis™ Panels



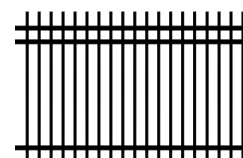
2-Rail Warrior™ Panels



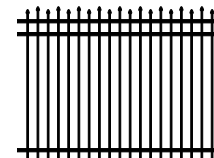
3-Rail Classic™ Panels



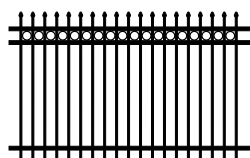
3-Rail Majestic™ Panels



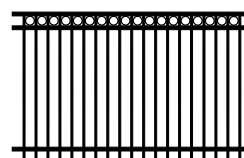
3-Rail Genesis™ Panels



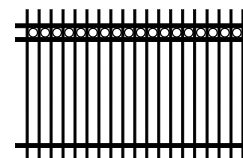
3-Rail Warrior™ Panels



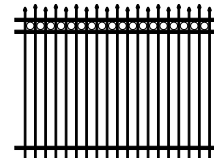
3-Rail Classic™ Panels
with Rings



3-Rail Majestic™ Panels
with Rings



3-Rail Genesis™ Panels
with Rings



3-Rail Warrior™ Panels
with Rings

Panels packaged in components. Panel length for 8' panel is 92" and 6' panel is 73-1/4"
8' panel has 19 pickets and 6' panel has 15 pickets.

STYLE SELECTION = * X = COLOR SELECTION

CLASSIC = C B = BLACK
MAJESTIC = M W = WHITE
GENESIS = G N = BRONZE
WARRIOR = W S = SAND

RAIL QUANTITY	NOMINAL PANEL WIDTH	NOMINAL PANEL HEIGHT	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	PANEL WEIGHT
2-RAIL	8' WIDE	3'	1 * <u>X</u> 20348			58
		3-1/2'	1 * <u>X</u> 20408			63
		4'	1 * <u>X</u> 20468			68
		5'	1 * <u>X</u> 20588			78
		6'	1 * <u>X</u> 20708			88
	6' WIDE	3'	1 * <u>X</u> 20346			43
		3-1/2'	1 * <u>X</u> 20406			47
		4'	1 * <u>X</u> 20466			50
		5'	1 * <u>X</u> 20586			57
		6'	1 * <u>X</u> 20706			64

Panel prices do not include panel brackets
Check with Sales for availability

Effective: 01/01/13

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PANELS

STYLE SELECTION = * <u>X</u> = COLOR SELECTION CLASSIC = C B = BLACK MAJESTIC = M W = WHITE GENESIS = G N = BRONZE WARRIOR = W S = SAND						
RAIL QUANTITY	NOMINAL PANEL WIDTH	NOMINAL PANEL HEIGHT	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	PANEL WEIGHT
3-RAIL	8' WIDE	3'	1 * <u>X</u> 30348			72
		3-1/2'	1 * <u>X</u> 30408			77
		4'	1 * <u>X</u> 30468			82
		5'	1 * <u>X</u> 30588			92
		6'	1 * <u>X</u> 30708			102
		7'	1 * <u>X</u> 30828			112
		8'	1 * <u>X</u> 30948			122
	6' WIDE	3'	1 * <u>X</u> 30346			54
		3-1/2'	1 * <u>X</u> 30406			58
		4'	1 * <u>X</u> 30466			61
		5'	1 * <u>X</u> 30586			68
		6'	1 * <u>X</u> 30706			75
		7'	1 * <u>X</u> 30826			82
		8'	1 * <u>X</u> 30946			89
3-RAIL (WITH RINGS)	8' WIDE	3'	1 * <u>X</u> 30348R			85
		3-1/2'	1 * <u>X</u> 30408R			90
		4'	1 * <u>X</u> 30468R			95
		5'	1 * <u>X</u> 30588R			105
		6'	1 * <u>X</u> 30708R			115
		7'	1 * <u>X</u> 30828R			125
		8'	1 * <u>X</u> 30948R			135
	6' WIDE	3'	1 * <u>X</u> 30346R			64
		3-1/2'	1 * <u>X</u> 30406R			68
		4'	1 * <u>X</u> 30466R			71
		5'	1 * <u>X</u> 30586R			78
		6'	1 * <u>X</u> 30706R			85
		7'	1 * <u>X</u> 30826R			92
		8'	1 * <u>X</u> 30946R			99

Panel prices do not include panel brackets
Check with Sales for availability

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WIND LOADING

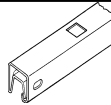
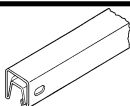
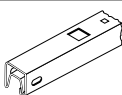
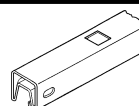
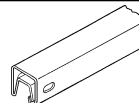
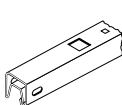
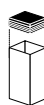
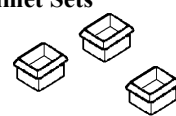
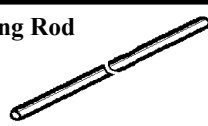
Height (FT)	Rail Length	Post Size	Aegis Plus™ Wind Load Capacity Factor (PSF)	Typical Wind Load Capacity (mph)
4	6	2-1/2" x 12 GA.	127.8	264
		3" x 12 GA.	152.6	288
	8	2-1/2" x 12 GA.	93.2	225
		3" x 12 GA.	111.2	246
5	6	2-1/2" x 12 GA.	82.1	211
		3" x 12 GA.	98.0	231
	8	2-1/2" x 12 GA.	59.8	180
		3" x 12 GA.	71.3	197
6	6	2-1/2" x 12 GA.	57.1	176
		3" x 12 GA.	68.2	193
	8	2-1/2" x 12 GA.	41.5	150
		3" x 12 GA.	49.6	164
7	6	2-1/2" x 12 GA.	42.0	151
		3" x 12 GA.	50.0	165
	8	2-1/2" x 12 GA.	30.4	128
		3" x 12 GA.	36.3	140
8	6	2-1/2" x 12 GA.	32.2	132
		3" x 12 GA.	38.4	144
	8	2-1/2" x 12 GA.	23.4	113
		3" x 12 GA.	27.9	123
9	6	4" x 11 GA.	N/A	113
10	6	4" x 11 GA.	N/A	107

Note: Mph values shown are provided for information only. They are calculated according to ANSI/ASCE 7-05, "American Society for Civil Engineers Minimum Design Loads for Buildings and Other Structures", Exposure Category C (open terrain with scattered obstructions having lengths, generally less than 30 feet), based on post setting in 36" deep concrete footer in soil assumed to be of mid-range strength and compaction. Since specified project conditions such as jurisdictional building codes, elevation of installation, post base/footer design, soil strength, etc., may change from project to project, a structural engineering evaluation, unique to applicable requirements and conditions, should be performed. Consult with your Ameristar Service Representative for an estimate on Engineering Analysis and P.E. Certification.

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AMERISTAR®
 FENCE PRODUCTS
COMPONENTS

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ITEM DESCRIPTION	BLACK		COLOR				LENGTH	BOX QTY	WT EA.
	ITEM	PRICE EA.	BRONZE	WHITE	DESERT SAND	PRICE EA.			
Rail-Through Punched Forerunner™	CBR16		CNR16	CWR16	CSR16		73-1/4	6	11.4
For 6' long Classic, Warrior, Genesis and Majestic (other than Majestic top rail). Includes grommets and retaining rods.									
Rail-Bottom Punched Forerunner™	MBR16		MNR16	MWR16	MSR16		73-1/4	6	11.4
For 6' long Majestic top rail. Includes retaining rods.									
Rail-Through Punched Forerunner™ For Rings	RBR16		RNR16	RWR16	RSR16		73-1/4	6	11.4
For 6' long rails for rings. Includes grommets and retaining rods.									
Rail-Through Punched Forerunner™	CBR18		CNR18	CWR18	CSR18		92	4	14.2
For 8' long Classic, Genesis, Warrior and Majestic (other than Majestic top rail). Includes grommets and retaining rods.									
Rail-Bottom Punched Forerunner™	MBR18		MNR18	MWR18	MSR18		92	4	14.2
For 8' long Majestic top rail. Includes retaining rods.									
Rail-Through Punched Forerunner™ For Rings	RBR18		RNR18	RWR18	RSR18		92	4	14.2
For 8' long rails for rings. Includes grommets and retaining rods.									
Rings	AB519		AN519	AW519	AS519		4" Ø	see below	see below
Heavy duty cast aluminum. Rods go through top and bottom. No external fasteners are visible. MUST BE ORDERED IN BOX QUANTITIES.									
8' Panel 66.78.....70.02.....18..... 12.5									
Double Ring	AB112		AN112	AW112	AS112		----	20/Box	14
Fits onto the face of 3/4" square pickets. Die cast aluminum. Can be mounted in a line between the top rails of 3-rail panels to give the look of ornamental circle.									
Picket Plug	8452P-20		-----	8452WP-20	-----		3/4"	20/Bag	.95
Fits atop 3/4" flat top pickets. Price is per each. MUST ORDER IN BAG QUANTITY (19/BAG).									
Grommet Sets	XB015P		XN015P	XW015P	XS015P		3/4"	15/Bag	3 oz.
	XB019P		XN019P	XW019P	XS019P		3/4"	19/Bag	4 oz.
Price is per polybag of grommets.									
Retaining Rod	H532P						71-3/8"	1	.25
	H533P						91-1/4"	1	.32
Galvanized over steel; 1/8" in diameter.									

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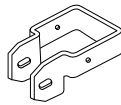
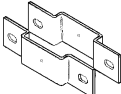
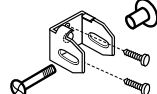
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 FENCE PRODUCTS

COMPONENTS

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ITEM DESCRIPTION	BLACK		COLOR				SIZE	BOX QTY	BOX WT
	ITEM	PRICE	BRONZE	WHITE	DESERT	PRICE			
Quad-Flares   	AB518		AN518	AW518	AS518		3/4"	---	.60
Fits atop 3/4" square pickets. Heavy-duty cast aluminum. The four sided flare design adds the popular traditional look to the "Genesis" fence style. 19 for 8' pnael required 15 for 6' panel required									
Triads 	AB520R		AN520R	AW520R	AS520R		3/4"	---	.60
Fits atop 3/4" square pickets. Heavy-duty aluminum. Three distinct tips reflect the strong look of a barbed spear that can be added to the "Genesis" fence style. 19 for 8' panel required 15 for 6' panel required									
Royalty 	AB525		AN525	AW525	AS525		3/4"	---	.21
Fits atop 3/4" square pickets (press-fit). Die cast aluminum. 19 for 8' pnael required 15 for 6' panel required									
Butterfly Scroll (Aluminum) 	HB506		HN506	HW506	HS506		4"	20	4
Fits onto the face of 3/4" square pickets. Die cast aluminum. Each Butterfly Scroll furnished with #10 x 3/4" self-drilling screw.									

PANEL BRACKETS

ITEM DESCRIPTION	BLACK		COLOR				BAG QTY	BOX QTY	WT. EA.
	PART	PRICE EA.	BRONZE	WHITE	DESERT SAND	PRICE EA.			
Commercial Universal Bracket 	BB311		BN311	BW311	BS311		2	80	.57
Made from high strength steel. Packaged in polybag with #14 x 3/4" self-drilling screws, 1/4" x 1-3/4" one-way bolts and 1/4" tee nuts. MUST BE ORDERED IN BAG QUANTITIES. Mounts on 2-1/2" square post. Works universally for lines, ends and corners. LINE  END  CORNER 									
Commercial Line Bracket 	BB310		BN310	BW310	BS310		2	80	.64
Used as bracket around 2-1/2" line post to join it to the last panel in a line. MUST BE ORDERED IN BAG QUANTITIES.									
Commercial Flat Mount Bracket 	BB306		BN306	BW306	BS306		2	150	.34
Packaged 2 pieces per polybag with fastener. MUST BE ORDERED IN BAG QUANTITIES.									
Commercial Swivel Bracket 	BB312		BN312	BW312	BS312		2	80	1.0
Packaged 2 pieces per polybag with fastener. MUST BE ORDERED IN BAG QUANTITIES.									

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ITEM DESCRIPTION	PART NUMBER/COLOR				DEALER PRICE	LENGTH	PKG QTY	WT EA
	BLACK	BRONZE	WHITE	DESERT SAND				
One-Way Bolts 	3HB300P-20	3HN300P	3HW300P	3HS300P		1/4" x 1-3/4"	20/Bag	.8
Steel washered one-way bolt for commercial brackets.								
Tee Nuts 	7157BP	7157NP	7157WP	7157SP		1/4"	1 Ea	.01
Steel tee nuts for commercial brackets.								
Self-Drilling Screws 	HB524P	HN524P	HW524P	HS524P		#14 x 3/4"	1 Ea	.012
Steel hex head self-drilling screws for commercial brackets.								
Drive Rivets 	HB558P	HN558P	HW558P	HS558P		1/4"	1 Ea	.001
Drive rivets for flat mount bracket.								

CUSTOM FINISHES

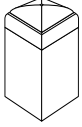
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	PART	PRICE EA.	BRONZE	WHITE	DESERT SAND	PRICE EA.	
Paint Pen 	PB100		PN100	PW100	PS100		.5
	Custom finishes in all four Aegis Plus fencing colors.						
Zinc-Rich Paint Pen 	PZ100						.5
	Priming required for cut steel edges prior to application of Ameristar Custom Finishes. NOTE: All cut rail ends must be seal coated with Zinc Rich Primer and Ameristar’s custom touch-up paint or the warranty is void.						
Spray Paint 	FB100		FN100	FW100	FS100		1.1
	Custom finishes in all four Aegis Plus fencing colors.						
Zinc-Rich Primer 	FZ100						1.1
	Ideal for priming cut steel edges of Aegis Plus components prior to applying the appropriate custom finish color. NOTE: All cut rail ends must be seal coated with Zinc Rich Primer and Ameristar’s custom touch-up paint or the warranty is void.						

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STEEL ORNAMENTAL SQUARE POST



NOTE: In location subject to freezing, where posts are grouted into core-drilled holes, a 1/4" diameter hole should be drilled in the post approximately 1/2" above elevation to allow for drainage of built-up ground water. The drilled hole must be wiped clean and dry before applying Ameristar zinc primer and color finish.

X = COLOR SELECTIONB = BLACK
N = BRONZE
W = WHITE
S = SAND

Post Diameter	Ga. / Wall Thickness	Post Length	Item Number	Catalog Price (Black)	Catalog Price (Color)	Post Weight
2-1/2" SQ. (STEEL)	12 GA. (INDUSTRIAL)	5'	P <u>X</u> 25060			16
		6'	P <u>X</u> 25072			19
		7'	P <u>X</u> 25084			22
		8'	P <u>X</u> 25096			26
		9'	P <u>X</u> 25108			28
		10'	P <u>X</u> 25120			31
		11'	P <u>X</u> 25132			35
		12'	P <u>X</u> 25144			36
3" SQ. (STEEL)	12 GA. (INDUSTRIAL)	5'	P <u>X</u> 30060			20
		6'	P <u>X</u> 30072			24
		7'	P <u>X</u> 30084			30
		8'	P <u>X</u> 30096			34
		9'	P <u>X</u> 30108			39
		10'	P <u>X</u> 30120			43
		11'	P <u>X</u> 30132			47
		12'	P <u>X</u> 30144			51
4" SQ. (STEEL)	11 GA. (INDUSTRIAL)	6'	P <u>X</u> 40072			39
		7'	P <u>X</u> 40084			47
		8'	P <u>X</u> 40096			54
		9'	P <u>X</u> 40108			61
		10'	P <u>X</u> 40120			67
		11'	P <u>X</u> 40132			74
		12'	P <u>X</u> 40144			81
6" SQ. (STEEL)	3/16" WALL (INDUSTRIAL)	7'	P <u>X</u> 60084			102
		8'	P <u>X</u> 60096			116
		9'	P <u>X</u> 60108			131
		10'	P <u>X</u> 60120			145
		11'	P <u>X</u> 60132			160
		12'	P <u>X</u> 60144			174
8" SQ. (STEEL)	1/4" WALL (INDUSTRIAL)	9'	P <u>X</u> 80108			233
		10'	P <u>X</u> 80120			259
		11'	P <u>X</u> 80132			285
		12'	P <u>X</u> 80144			311

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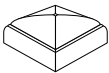


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STEEL PLATED ORNAMENTAL SQUARE POST

Note: Plated posts used with Majestic & Conqueror styles may require a post length 1" longer than the panel/gate height dependent on the grade elevation.			X = COLOR SELECTION B = BLACK N = BRONZE W = WHITE S = SAND			
Post Diameter	GA. / Plate Size	Post Length	Item Number	Catalog Price (Black)	Catalog Price (Color)	Post Weight
2-1/2" SQ. (STEEL)	12 GA. 5" x 5" SQ. 1/4" Thick with 9/16" Holes (8833G)	4'	P <u>X</u> 25048P			16
		5'	P <u>X</u> 25060P			19
		6'	P <u>X</u> 25072P			22
		7'	P <u>X</u> 25084P			26
		8'	P <u>X</u> 25096P			28
		9'	P <u>X</u> 25108P			31
		10'	P <u>X</u> 25120P			34
3" SQ. (STEEL)	12 GA. 6" x 6" SQ. 1/4" Thick with 9/16" Holes (5003G)	4'	P <u>X</u> 30048P			20
		5'	P <u>X</u> 30060P			24
		6'	P <u>X</u> 30072P			30
		7'	P <u>X</u> 30084P			34
		8'	P <u>X</u> 30096P			39
		9'	P <u>X</u> 30108P			43
		10'	P <u>X</u> 30120P			47
4" SQ. (STEEL)	11 GA. 8" x 8" SQ. 3/8" Thick with 9/16" Holes (8876G)	4'	P <u>X</u> 40048P			33
		5'	P <u>X</u> 40060P			39
		6'	P <u>X</u> 40072P			47
		7'	P <u>X</u> 40084P			54
		8'	P <u>X</u> 40096P			61
		9'	P <u>X</u> 40108P			67
		10'	P <u>X</u> 40120P			74

POST CAPS

			X = COLOR SELECTION B = BLACK N = BRONZE W = WHITE S = SAND			
Cap Type	Cap Style	Size	Item Number	Catalog Price (Black)	Catalog Price (Color)	Cap Weight
STEEL 	STANDARD FLAT CAP	2-1/2" SQ.	A <u>X</u> 507			0.3
		3" SQ.	A <u>X</u> 508			0.3
		4" SQ.	A <u>X</u> 509			0.4
		6" SQ.	A <u>X</u> 515			0.8
		8" SQ.	A <u>X</u> 801			2
ALUMINUM 	BALL CAP	2-1/2" SQ.	A <u>X</u> 513			0.7
		3" SQ.	A <u>X</u> 516			0.8
		4" SQ.	A <u>X</u> 517			2
		6" SQ.	A <u>X</u> 521			8

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PART 1 - GENERAL

1.01 WORK INCLUDED

The contractor shall provide all labor, materials and appurtenances necessary for installation of the commercial ornamental steel fence system defined herein at (specify project site).

1.02 RELATED WORK

Section ____ - Earthwork

Section ____ - Concrete

1.03 SYSTEM DESCRIPTION

The manufacturer shall supply a total commercial ornamental steel fence system of the Ameristar® Aegis Plus® (specify Classic™, Majestic™, Genesis™ or Warrior™) design. The system shall include all components (i.e., pickets, rails, posts, gates and hardware) required.

1.04 QUALITY ASSURANCE

The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and materials and techniques specified.

1.05 REFERENCES

- ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
- ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- ASTM D523 - Test Method for Specular Gloss.
- ASTM D714 - Test Method for Evaluating Degree of Blistering in Paint.
- ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.
- ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
- ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
- ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.
- ASTM F2408 - Ornamental Fences Employing Galvanized Steel Tubular Pickets.

1.06 SUBMITTAL

The manufacturer's submittal package shall be provided prior to installation.

1.07 PRODUCT HANDLING AND STORAGE

Upon receipt at the job site, all materials shall be checked to ensure that no damages occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism and theft.

1.08 PRODUCT WARRANTY

- All structural fence components (i.e. rails, pickets, and posts) shall be warranted within specified limitations, by the manufacturer for a period of 10 years from date of original purchase. Warranty shall cover any defects in material finish, including cracking, peeling, chipping, blistering or corroding.
- Reimbursement for labor necessary to restore or replace components that have been found to be defective under the terms of manufacturers warranty shall be guaranteed for five (5) years from date of original purchase.

PART 2 - MATERIALS

2.01 MANUFACTURER

The commercial ornamental steel fence system shall conform to Ameristar Aegis Plus, (specify Classic, Majestic, Genesis, or Warrior) (specify 2-Rail, 3-Rail or 3-Rail with Rings) style manufactured by Ameristar Fence Products, Inc. in Tulsa, Oklahoma

2.02 MATERIAL

A. Steel material for fence framework (i.e. tubular pickets, rails and posts), when galvanized prior to forming, shall conform to the requirements of ASTM A924/A924M, with a minimum yield strength of 45,000 psi (310 MPa). The steel shall be hot-dip galvanized to meet the requirements of ASTM A653/A653M with a minimum zinc coating weight of 0.60 oz/ft² (276 g/m²), Coating Designation G-60.

B. Material for fence pickets shall be 3/4" square x 17 Ga. tubing. The cross-sectional shape of the rails shall conform to the manufacturer's ForeRunner™ double-wall design with outside cross-section dimensions of 1.50" square and a minimum thickness of 14 Ga. Picket holes in the ForeRunner rail shall be spaced 4.70" o.c. Picket retaining rods shall be 0.125" diameter galvanized steel. High quality PVC grommets shall be supplied to seal all picket-to-rail intersections. Fence posts and gate posts shall meet the minimum size requirements of Table 1.

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2.03 FABRICATION

A. Pickets, rails and posts shall be pre-cut to specified lengths. ForeRunner rails shall be pre-punched to accept pickets.

B. Grommets shall be inserted into the pre-punched holes in the rails and pickets shall be inserted through the grommets so that pre-drilled picket holes align with the internal upper raceway of the ForeRunner rails (Note: This can best be accomplished by using an alignment template). Retaining rods shall be inserted into each ForeRunner rail so that they pass through the pre-drilled holes in each picket, thus completing the panel assembly.

C. The manufactured galvanized framework shall be subjected to the Perma-Coat® thermal stratification coating process (high-temperature, in-line, multi-stage pretreatment/wash (with zinc phosphate), an electrostatic spray application of any epoxy base, and a separate electrostatic spray application of a polyester finish. The base coat shall be a thermosetting epoxy powder coating (gray in color) with a minimum thickness of 2 mils (0.0508mm). The topcoat shall be a "no-mar" TGIC polyester powder coat finish with a minimum thickness of 2 mils (0.0508mm). The color shall be (specify Black, Bronze, White or Desert Sand). The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in Table 2.

D. Completed panels shall be capable of supporting a 400 lb. load (applied at midspan) without permanent deformation. Panels without rings shall be biasable to a 12.5% change in grade.

E. Swing gates shall be fabricated using 1.5" x 14ga. ForeRunner double channel rail, 1.75" sq. x 14ga. gate ends, and 3/4" sq. x 17ga. pickets. Gates that exceed 6' in width will have a 1.5" sq. x 14ga. intermediate upright. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding.

PART 3 - EXECUTION

3.01 PREPARATION

All new installation shall be laid out by the contractor in accordance with the construction plans.

3.02 FENCE INSTALLATION

Fence post shall be spaced according to Table 3, plus or minus 1/2". For installations that must be raked to follow sloping grades, the post spacing dimension must be measured along the grade. Fence panels shall be attached to posts with brackets supplied by the manufacturer. Posts shall be set in concrete footers having a minimum depth of 36" (Note: In some cases, local restrictions of freezing weather conditions may require a greater depth). The "Earthwork" and "Concrete" sections of this specification shall govern material requirements for the concrete footer. Posts setting by other methods such as plated posts or grouted core-drilled footers are permissible only if shown by engineering analysis to be sufficient in strength for the intended application.

3.03 FENCE INSTALLATION MAINTENANCE

When cutting/drilling rails or posts adhere to the following steps to seal the exposed steel surfaces; 1) Remove all metal shavings from cut area. 2) Apply zinc-rich primer to thoroughly cover cut edge and/or drilled hole; let dry. 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. Ameristar spray cans or paint pens shall be used to prime and finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-Ameristar parts or components will negate the manufacturers' warranty.

3.04 GATE INSTALLATION

Gate posts shall be spaced according to the manufacturers' gate drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application; weight, height, and number of gate cycles. The manufacturers' gate drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacture of the gate and shall be installed per manufacturer's recommendations.

3.05 CLEANING

The contractor shall clean the jobsite of excess materials; post-hole excavations shall be scattered uniformly away from posts.

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Table 1 – Minimum Sizes for Aegis Plus Posts				
Fence Posts	Panel Height			
2-1/2" x 12 Ga.	Up to & Including 8' Height			
3" x 12 Ga.	Over 8' Up to & Including 10' Height			
4" x 11 Ga.	Over 10' Height			
Gate Leaf	Gate Height			
	Up to & Including 6'	Over 6' Up to & Including 8'	Over 8' Up to & Including 10'	Over 12'
Up to 4'	2 1/2" x 12Ga.	3" x 12 Ga.	4" x 11 Ga.	4" x 11 Ga.
4'1" to 6'	3" x 12Ga.	3" x 12 Ga.	4" x 11 Ga.	4" x 11 Ga.
6'1" to 8'	4" x 11 Ga.	4" x 11 Ga.	6" x 3/16"	6" x 3/16"
8'1" to 10'	4" x 11 Ga.	6" x 3/16"	6" x 3/16"	6" x 3/16"
10'1" to 12'	6" x 3/16"	6" x 3/16"	6" x 3/16"	8" x 1/4"
12'1" to 16'	6" x 3/16"	6" x 3/16"	8" x 1/4"	8" x 1/4"

Table 2 – Coating Performance Requirements		
Quality Characteristics	ASTM Test Method	Performance Requirements
Adhesion	D3359 – Method B	Adhesion (Retention of Coating) over 90% of test area (Tape and knife test).
Corrosion Resistance	B117, D714 & D1654	Corrosion Resistance over 3,500 hours (Scribed per D1654; failure mode is accumulation of 1/8" coating loss from scribe or medium #8 blisters).
Impact Resistance	D2794	Impact Resistance over 60 inch lb. (Forward impact using 0.625" ball).
Weathering Resistance	D822 D2244, D523 (60° Method)	Weathering Resistance over 1,000 hours (Failure mode is 60% loss of gloss or color variance of more than 3 delta-E color units).

Table 3 – Aegis Plus – Post Spacing By Bracket Type								
Span	8' Nominal (92" Rail)							
Post Size	2-1/2"	3"	2-1/2"	3"	2-1/2"	3"	2-1/2"	3"
Bracket Type	Commercial Universal Blvd. (BB311)		Commercial Line Blvd. (BB310)		Commercial Flat Mount (BB306)		Commercial Swivel (BB312)*	
Post Settings ± 1/2" O.C.	95-1/2"	96"	95-1/2"	96"	95-1/2"	96"	*97"	*97-1/2"
Span	6' Nominal (73.25" Rail)							
Post Size	2-1/2"	3"	2-1/2"	3"	2-1/2"	3"	2-1/2"	3"
Bracket Type	Commercial Universal Blvd. (BB311)		Commercial Line Blvd. (BB310)		Commercial Flat Mount (BB306)		Commercial Swivel (BB312)*	
Post Settings ± 1/2" O.C.	76-3/4"	77-1/4"	76-3/4"	77-1/4"	76-3/4"	77-1/4"	*78-1/4"	*78-3/4"
*Note: When using BB304 swivel brackets on either or both ends of a panel installation, care must be taken to ensure the spacing between post and adjoining pickets meets applicable codes. This will require trimming one or both ends of the panel.								

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AEGIS PLUS® | WARRANTY COMMERCIAL STEEL ORNAMENTAL FENCE

Aegis Plus® Commercial Steel Ornamental Fence System by Ameristar® is manufactured from the highest quality materials by skilled craftsmen to meet the highest standards of workmanship in the industry. Galvanized steel framework shall be subject to a six stage pretreatment/wash (with zinc phosphate) followed by an electrostatic spray application of PermaCoat® Color System, a two coat powder system. The base coat is a thermosetting epoxy powder coating (gray in color). The top coat is a “no-mar” TGIC polyester powder coat finish, which provides the protection necessary to withstand adverse environmental conditions.

The powder coated surface on all framework (i.e., pickets, rails and posts) by Ameristar is guaranteed under normal and proper usage, against cracking, peeling, chipping, blistering or corroding for a period of ten (10) years from the original purchase date. Normal and proper usage does not include physical damage, abrasion or exposure to salty environments to the protective coating.

Aegis Plus Commercial Steel Ornamental Fence System framework is also guaranteed for the same period of time against defects in workmanship or materials.

Should any ornamental fence framework manufactured by Ameristar Fence Products fail in accordance with any of the above conditions, Ameristar Fence Products warrants to the original purchaser their redemption through replacement, renewal or issuance of a pro-rated credit. The decision as to which method of redemption is allowed is solely at the discretion of Ameristar. If pro-rated allowance is the chosen alternative, the amount will be based on the total number of years under warranty from date of purchase to date of claim, based on the original cost of framing materials found to be defective. Notice of failure under the conditions of this warranty shall be sent to Ameristar Fence Products or its authorized representative, in writing, together with proof of purchase and shall specify the nature of the defect and when it was first observed. When cutting Aegis Plus components immediately seal the exposed surfaces by 1) Removing all metal shavings from cut area 2) Apply zinc-rich primer to thoroughly cover cut edge and drilled hole; let dry 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. If the contractor uses non Ameristar parts/components this will negate the warranty. Should the fence be improperly installed, Ameristar Fence Products shall not be responsible for guaranteed performance or appearance of the material. Neither does this guarantee apply when failure or damage is due to improper use or application, abuse or misuse, salty environments, vandalism or acts of God. Ameristar Fence Products reserves the right to inspect the material to determine validity of the claim.

Upon validation of the claim by Ameristar Fence Products or its authorized representative, redemption by replacement, renewal or issuance of a pro-rated credit shall be made by Ameristar Fence Products. Reimbursement for labor necessary to restore and/or replace components that have been found defective under the terms of this warranty is guaranteed to the original purchaser for a period of five (5) years from the original purchase date. Ameristar reserves the right to select the qualified company or individual to perform the labor to repair or replace the components that are deemed to be defective under the terms of this warranty.

The above constitutes the complete warranty by the manufacturer. No other agreement, written or implied, is valid. Ameristar Fence Products does not authorize any other person or agent to make any other express warranties. Ameristar Fence Products neither assumes nor authorizes any other person or agent to assume any other liability in connection with Aegis Plus Commercial Steel Ornamental Fence System. Some jurisdictions do not allow limitations on how long an implied warranty lasts, nor do they allow an exclusion or limitation of incidental or consequential damages; therefore, the limitations and exclusions noted herein may not apply.



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WELDED GATES

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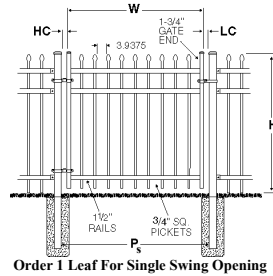
GATE SPECIFICATION

STANDARD
Gate Ends .080" Wall Steel
Rails .160" Eff. Wall Steel
Pickets .17 Ga. Steel

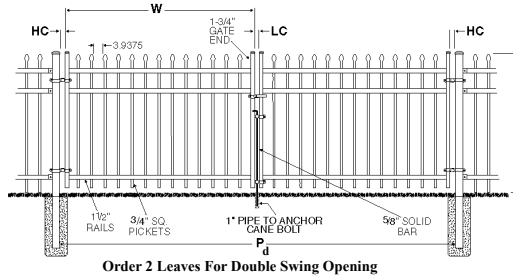
ARCHED
.250" Wall Aluminum
.250" Wall Aluminum
.125" Wall Aluminum

All component intersections are welded for greater strength

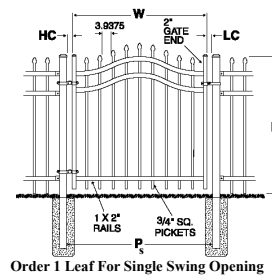
GATE DRAWING DIMENSIONAL FORMAT



Order 1 Leaf For Single Swing Opening



Order 2 Leaves For Double Swing Opening



Order 1 Leaf For Single Swing Opening
(Available only as single)

W = Outside To Outside Width of Finished Gate Leaf

H = Height; HC = Hinge Clearance; LC = Latch Clearance; P_s = Post Interspace (Single); P_d = Post Interspace (Double)

Note: See Sales Policy for additional information pertaining to gate orders.

HARDWARE KITS & POSTS INTERSPACES FOR AEGIS PLUS SINGLE SWING WELDED STEEL GATES														
NOMINAL GATE OPENING	3-1/2"	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'
W = LEAF WIDTH	40"	49-1/2"	58-3/4"	68"	86-3/4"	95-1/2"	105-1/2"	114-3/4"	133-1/2"	143"	152-1/4"	171"	180-1/4"	189-3/4"
FORK LATCH/BOX HINGE KITS #SGBSX25 OR #SGBSX3	HC	2"												
	LC	2"												
	P _s	44"	53-1/2"	62-3/4"	72"	90-3/4"	99-1/2"	109-1/2"	118-3/4"	137-1/2"	147"	156-1/4"	175"	184-1/4"
AMERISTAR LOCK/BOX HINGE KIT #SGBSXA	HC	2"												
	LC	5/8"												
	P _s	42-5/8"	52-1/8"	61-3/8"	70-5/8"	89-3/8"	98-1/8"	108-1/8"	117-3/8"	136-1/8"	145-5/8"	154-7/8"	173-5/8"	182-7/8"
COMMERCIAL HINGE KIT #CGBS-25, #CGBS-3 OR #CGBS-4	HC	1"												
	LC	3"												
	P _s	44"	53-1/2"	62-3/4"	72"	90-3/4"	99-1/2"	109-1/2"	118-3/4"	137-1/2"	147"	156-1/4"	175"	184-1/4"
HEAVY COMMERCIAL HINGE KIT #HGBS-25, #HGBS-3 OR #HGBS-4	HC	1-1/4"												
	LC	3"												
	P _s	44-1/4"	53-3/4"	63"	72-1/4"	91"	99-3/4"	109-3/4"	119"	137-3/4"	147-1/4"	156-1/2"	175-1/4"	184-1/2"
P _s (Post Interspace for Single Gate) = HC (Hinge Clearance) + W (Gate Width) + LC (Latch Clearance)														

HARDWARE KITS & POST INTERSPACES FOR AEGIS PLUS DOUBLE SWING WELDED STEEL GATES														
NOMINAL GATE OPENING	7'	8'	10'	12'	14'	16'	18'	20'	21'	24'	26'	14'	15'	16'
W = LEAF WIDTH	40"	49-1/2"	58-3/4"	68"	86-3/4"	95-1/2"	105-1/2"	114-3/4"	133-1/2"	143"	152-1/4"	171"	180-1/4"	189-3/4"
FORK LATCH/BOX HINGE KIT #SGBDX	HC	2"												
	LC	2"												
	P _s	86"	105"	123-1/2"	142"	179-1/2"	197"	217"	235-1/2"	273"	292"	310-1/2"	348"	366-1/2"
HEAVY COMMERCIAL HINGE KIT #HGBD	HC	2-3/8"												
	LC	3"												
	P _s	84-1/2"	103-1/2"	122"	140-1/2"	178"	195-1/2"	215-1/2"	234"	271-1/2"	290-1/2"	309"	346-1/2"	365"
P _d (Post Interspace for Double Gate) = 2 x HC (Hinge Clearance) + 2 x W (Gate Width) + LC (Latch Clearance)														

HARDWARE KITS & POSTS INTERSPACES FOR AEGIS PLUS SINGLE SWING ARCHED ALUMINUM GATES						
NOMINAL GATE OPENING	3-1/2"		4'	5'	6'	7'
W = LEAF WIDTH	40"		49-1/2"	58-3/4"	68"	86-3/4"
FORK LATCH/BOX HINGE KITS #EGBSX25 OR #EGBSX3	HC	2-3/8"				
	LC	2"				
	P _s	44-3/8"	53-7/8"	63-1/8"	72-3/8"	91-1/8"
AMERISTAR LOCK/BOX HINGE KIT #EGBSXA	HC	2-3/8"				
	LC	5/8"				
	P _s	43"	52-1/2"	61-3/4"	71"	89-3/4"
P _s (Post Interspace for Single Gate) = HC (Hinge Clearance) + W (Gate Width) + LC (Latch Clearance)						

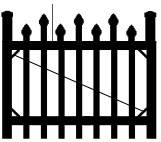
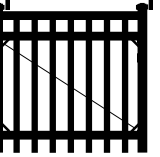
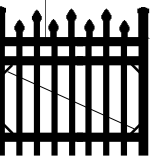
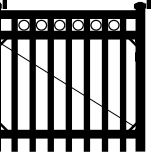
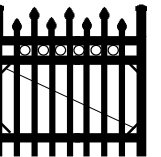
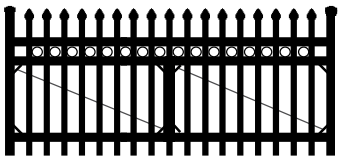
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STANDARD WELDED GATES

Style Choices (2-Rail Aegis Plus® Gate Leaves):					
					
CLASSIC™ 2-RAIL	MAJESTIC™ 2-RAIL	GENESIS™ 2-RAIL	WARRIOR™ 2-RAIL		
Style Choices (3-Rail Aegis Plus® Gate Leaves):					
					
CLASSIC™ 3-RAIL	MAJESTIC™ 3-RAIL	GENESIS™ 3-RAIL	WARRIOR™ 3-RAIL		
Style Choices (3-Rail Aegis Plus® Gate Leaves With Rings):					
					
CLASSIC™ 3-RAIL (W/RINGS)	MAJESTIC™ 3-RAIL (W/RINGS)	GENESIS™ 3-RAIL (W/RINGS)	WARRIOR™ 3-RAIL (W/RINGS)		
					For additional strength; all gate leaves greater than 6 feet in width will have an intermediate center upright, gusset plates will be welded in all four corners, and the appropriate quantity of turnbuckle and cable kits will be included

Custom gate dimensions are available upon request, but incur a 10% engineering charge based on the nearest larger standard gate leaf.

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STANDARD WELDED GATES

STYLE SELECTION = * X = COLOR SELECTION

CLASSIC = C B = BLACK
MAJESTIC = M W = WHITE
GENESIS = G N = BRONZE
WARRIOR = W S = SAND

(NOMINAL) GATE HEIGHT	RAIL QUANTITY	(NOMINAL) GATE OPENING	(ACTUAL) GATE LEAF WIDTH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
3' Tall	2-Rail	3-1/2'	40"	1 * X 234-42			40
		4'	49-1/2"	1 * X 234-48			46
		5'	58-3/4"	1 * X 234-60			57
		6'	68"	1 * X 234-72			65
		7'	86-3/4"	1 * X 234-84			74
		8'	95-1/2"	1 * X 234-96			84
		9'	105-1/2"	1 * X 234-108			93
		10'	114-3/4"	1 * X 234-120			102
		11'	133-1/2"	1 * X 234-132			115
		12'	143"	1 * X 234-144			129
		13'	152-1/4"	1 * X 234-156			140
		14'	171"	1 * X 234-168			148
		15'	180-1/4"	1 * X 234-180			156
		16'	189-3/4"	1 * X 234-192			167
	3-Rail	3-1/2'	40"	1 * X 334-42			48
		4'	49-1/2"	1 * X 334-48			57
		5'	58-3/4"	1 * X 334-60			72
		6'	68"	1 * X 334-72			79
		7'	86-3/4"	1 * X 334-84			88
		8'	95-1/2"	1 * X 334-96			101
		9'	105-1/2"	1 * X 334-108			101
		10'	114-3/4"	1 * X 334-120			124
		11'	133-1/2"	1 * X 334-132			139
		12'	143"	1 * X 334-144			154
		13'	152-1/4"	1 * X 334-156			166
		14'	171"	1 * X 334-168			177
		15'	180-1/4"	1 * X 334-180			189
		16'	189-3/4"	1 * X 334-192			202
	3-Rail (WITH RINGS)	3-1/2'	40"	1 * X 334-42R			52
		4'	49-1/2"	1 * X 334-48R			63
		5'	58-3/4"	1 * X 334-60R			79
		6'	68"	1 * X 334-72R			88
		7'	86-3/4"	1 * X 334-84R			99
		8'	95-1/2"	1 * X 334-96R			114
		9'	105-1/2"	1 * X 334-108R			129
		10'	114-3/4"	1 * X 334-120R			140
		11'	133-1/2"	1 * X 334-132R			157
		12'	143"	1 * X 334-144R			174
		13'	152-1/4"	1 * X 334-156R			187
		14'	171"	1 * X 334-168R			201
		15'	180-1/4"	1 * X 334-180R			214
		16'	189-3/4"	1 * X 334-192R			229

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STANDARD WELDED GATES

STYLE SELECTION = * X = COLOR SELECTION

CLASSIC = C B = BLACK
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WARRIOR = W S = SAND

(NOMINAL) GATE HEIGHT	RAIL QUANTITY	(NOMINAL) GATE OPENING	(ACTUAL) GATE LEAF WIDTH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
3-1/2' Tall	2-Rail	3-1/2'	40"	1 * X 240-42			45
		4'	49-1/2"	1 * X 240-48			52
		5'	58-3/4"	1 * X 240-60			64
		6'	68"	1 * X 240-72			72
		7'	86-3/4"	1 * X 240-84			81
		8'	95-1/2"	1 * X 240-96			92
		9'	105-1/2"	1 * X 240-108			102
		10'	114-3/4"	1 * X 240-120			112
		11'	133-1/2"	1 * X 240-132			127
		12'	143"	1 * X 240-144			142
		13'	152-1/4"	1 * X 240-156			153
		14'	171"	1 * X 240-168			162
		15'	180-1/4"	1 * X 240-180			171
		16'	189-3/4"	1 * X 240-192			182
	3-Rail	3-1/2'	40"	1 * X 340-42			53
		4'	49-1/2"	1 * X 340-48			62
		5'	58-3/4"	1 * X 340-60			78
		6'	68"	1 * X 340-72			85
		7'	86-3/4"	1 * X 340-84			96
		8'	95-1/2"	1 * X 340-96			109
		9'	105-1/2"	1 * X 340-108			116
		10'	114-3/4"	1 * X 340-120			134
		11'	133-1/2"	1 * X 340-132			151
		12'	143"	1 * X 340-144			168
		13'	152-1/4"	1 * X 340-156			180
		14'	171"	1 * X 340-168			192
		15'	180-1/4"	1 * X 340-180			204
		16'	189-3/4"	1 * X 340-192			217
	3-Rail (WITH RINGS)	3-1/2'	40"	1 * X 340-42R			57
		4'	49-1/2"	1 * X 340-48R			68
		5'	58-3/4"	1 * X 340-60R			85
		6'	68"	1 * X 340-72R			94
		7'	86-3/4"	1 * X 340-84R			107
		8'	95-1/2"	1 * X 340-96R			122
		9'	105-1/2"	1 * X 340-108R			137
		10'	114-3/4"	1 * X 340-120R			150
		11'	133-1/2"	1 * X 340-132R			169
		12'	143"	1 * X 340-144R			188
		13'	152-1/4"	1 * X 340-156R			201
		14'	171"	1 * X 340-168R			216
		15'	180-1/4"	1 * X 340-180R			229
		16'	189-3/4"	1 * X 340-192R			244

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(NOMINAL) GATE HEIGHT	RAIL QUANTITY	(NOMINAL) GATE OPENING	(ACTUAL) GATE LEAF WIDTH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
4' Tall	2-Rail	3-1/2'	40"	1 <u> </u> <u> </u> X 246-42			49
		4'	49-1/2"	1 <u> </u> <u> </u> X 246-48			57
		5'	58-3/4"	1 <u> </u> <u> </u> X 246-60			71
		6'	68"	1 <u> </u> <u> </u> X 246-72			78
		7'	86-3/4"	1 <u> </u> <u> </u> X 246-84			88
		8'	95-1/2"	1 <u> </u> <u> </u> X 246-96			99
		9'	105-1/2"	1 <u> </u> <u> </u> X 246-108			110
		10'	114-3/4"	1 <u> </u> <u> </u> X 246-120			121
		11'	133-1/2"	1 <u> </u> <u> </u> X 246-132			138
		12'	143"	1 <u> </u> <u> </u> X 246-144			155
		13'	152-1/4"	1 <u> </u> <u> </u> X 246-156			166
		14'	171"	1 <u> </u> <u> </u> X 246-168			176
		15'	180-1/4"	1 <u> </u> <u> </u> X 246-180			186
		16'	189-3/4"	1 <u> </u> <u> </u> X 246-192			197
	3-Rail	3-1/2'	40"	1 <u> </u> <u> </u> X 346-42			57
		4'	49-1/2"	1 <u> </u> <u> </u> X 346-48			67
		5'	58-3/4"	1 <u> </u> <u> </u> X 346-60			84
		6'	68"	1 <u> </u> <u> </u> X 346-72			91
		7'	86-3/4"	1 <u> </u> <u> </u> X 346-84			103
		8'	95-1/2"	1 <u> </u> <u> </u> X 346-96			116
		9'	105-1/2"	1 <u> </u> <u> </u> X 346-108			130
		10'	114-3/4"	1 <u> </u> <u> </u> X 346-120			143
		11'	133-1/2"	1 <u> </u> <u> </u> X 346-132			162
		12'	143"	1 <u> </u> <u> </u> X 346-144			181
		13'	152-1/4"	1 <u> </u> <u> </u> X 346-156			194
		14'	171"	1 <u> </u> <u> </u> X 346-168			206
		15'	180-1/4"	1 <u> </u> <u> </u> X 346-180			219
		16'	189-3/4"	1 <u> </u> <u> </u> X 346-192			232
	3-Rail (WITH RINGS)	3-1/2'	40"	1 <u> </u> <u> </u> X 346-42R			61
		4'	49-1/2"	1 <u> </u> <u> </u> X 346-48R			73
		5'	58-3/4"	1 <u> </u> <u> </u> X 346-60R			91
		6'	68"	1 <u> </u> <u> </u> X 346-72R			100
		7'	86-3/4"	1 <u> </u> <u> </u> X 346-84R			114
		8'	95-1/2"	1 <u> </u> <u> </u> X 346-96R			129
		9'	105-1/2"	1 <u> </u> <u> </u> X 346-108R			144
		10'	114-3/4"	1 <u> </u> <u> </u> X 346-120R			159
		11'	133-1/2"	1 <u> </u> <u> </u> X 346-132R			180
		12'	143"	1 <u> </u> <u> </u> X 346-144R			201
		13'	152-1/4"	1 <u> </u> <u> </u> X 346-156R			215
		14'	171"	1 <u> </u> <u> </u> X 346-168R			230
		15'	180-1/4"	1 <u> </u> <u> </u> X 346-180R			244
		16'	189-3/4"	1 <u> </u> <u> </u> X 346-192R			259

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STANDARD WELDED GATES

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GENESIS = G N = BRONZE

WARRIOR = W S = SAND

(NOMINAL) GATE HEIGHT	RAIL QUANTITY	(NOMINAL) GATE OPENING	(ACTUAL) GATE LEAF WIDTH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
5' Tall	2-Rail	3-1/2'	40"	1 <u> </u> X 258-42			58
		4'	49-1/2"	1 <u> </u> X 258-48			68
		5'	58-3/4"	1 <u> </u> X 258-60			85
		6'	68"	1 <u> </u> X 258-72			91
		7'	86-3/4"	1 <u> </u> X 258-84			102
		8'	95-1/2"	1 <u> </u> X 258-96			114
		9'	105-1/2"	1 <u> </u> X 258-108			127
		10'	114-3/4"	1 <u> </u> X 258-120			140
		11'	133-1/2"	1 <u> </u> X 258-132			161
		12'	143"	1 <u> </u> X 258-144			181
		13'	152-1/4"	1 <u> </u> X 258-156			192
		14'	171"	1 <u> </u> X 258-168			204
		15'	180-1/4"	1 <u> </u> X 258-180			216
		16'	189-3/4"	1 <u> </u> X 258-192			227
	3-Rail	3-1/2'	40"	1 <u> </u> X 358-42			66
		4'	49-1/2"	1 <u> </u> X 358-48			77
		5'	58-3/4"	1 <u> </u> X 358-60			96
		6'	68"	1 <u> </u> X 358-72			103
		7'	86-3/4"	1 <u> </u> X 358-84			118
		8'	95-1/2"	1 <u> </u> X 358-96			131
		9'	105-1/2"	1 <u> </u> X 358-108			159
		10'	114-3/4"	1 <u> </u> X 358-120			162
		11'	133-1/2"	1 <u> </u> X 358-132			185
		12'	143"	1 <u> </u> X 358-144			208
		13'	152-1/4"	1 <u> </u> X 358-156			222
		14'	171"	1 <u> </u> X 358-168			235
		15'	180-1/4"	1 <u> </u> X 358-180			249
		16'	189-3/4"	1 <u> </u> X 358-192			262
	3-Rail (WITH RINGS)	3-1/2'	40"	1 <u> </u> X 358-42R			68
		4'	49-1/2"	1 <u> </u> X 358-48R			78
		5'	58-3/4"	1 <u> </u> X 358-60R			98
		6'	68"	1 <u> </u> X 358-72R			103
		7'	86-3/4"	1 <u> </u> X 358-84R			117
		8'	95-1/2"	1 <u> </u> X 358-96R			129
		9'	105-1/2"	1 <u> </u> X 358-108R			144
		10'	114-3/4"	1 <u> </u> X 358-120R			159
		11'	133-1/2"	1 <u> </u> X 358-132R			183
		12'	143"	1 <u> </u> X 358-144R			206
		13'	152-1/4"	1 <u> </u> X 358-156R			220
		14'	171"	1 <u> </u> X 358-168R			233
		15'	180-1/4"	1 <u> </u> X 358-180R			246
		16'	189-3/4"	1 <u> </u> X 358-192R			258

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(NOMINAL) GATE HEIGHT	RAIL QUANTITY	(NOMINAL) GATE OPENING	(ACTUAL) GATE LEAF WIDTH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
6' Tall	2-Rail	3-1/2'	40"	1 * X 270-42			68
		4'	49-1/2"	1 * X 270-48			78
		5'	58-3/4"	1 * X 270-60			98
		6'	68"	1 * X 270-72			103
		7'	86-3/4"	1 * X 270-84			117
		8'	95-1/2"	1 * X 270-96			129
		9'	105-1/2"	1 * X 270-108			144
		10'	114-3/4"	1 * X 270-120			159
		11'	133-1/2"	1 * X 270-132			183
		12'	143"	1 * X 270-144			206
		13'	152-1/4"	1 * X 270-156			220
		14'	171"	1 * X 270-168			233
	3-Rail	15'	180-1/4"	1 * X 270-180			246
		16'	189-3/4"	1 * X 270-192			258
		3-1/2'	40"	1 * X 370-42			75
		4'	49-1/2"	1 * X 370-48			87
		5'	58-3/4"	1 * X 370-60			109
		6'	68"	1 * X 370-72			116
		7'	86-3/4"	1 * X 370-84			132
		8'	95-1/2"	1 * X 370-96			147
		9'	105-1/2"	1 * X 370-108			161
		10'	114-3/4"	1 * X 370-120			181
		11'	133-1/2"	1 * X 370-132			207
		12'	143"	1 * X 370-144			233
	3-Rail (WITH RINGS)	13'	152-1/4"	1 * X 370-156			248
		14'	171"	1 * X 370-168			263
		15'	180-1/4"	1 * X 370-180			279
		16'	189-3/4"	1 * X 370-192			294
		3-1/2'	40"	1 * X 370-42R			79
		4'	49-1/2"	1 * X 370-48R			93
		5'	58-3/4"	1 * X 370-60R			116
		6'	68"	1 * X 370-72R			125
		7'	86-3/4"	1 * X 370-84R			143
		8'	95-1/2"	1 * X 370-96R			160
		9'	105-1/2"	1 * X 370-108R			175
		10'	114-3/4"	1 * X 370-120R			197
		11'	133-1/2"	1 * X 370-132R			225
		12'	143"	1 * X 370-144R			253
		13'	152-1/4"	1 * X 370-156R			269
		14'	171"	1 * X 370-168R			287
		15'	180-1/4"	1 * X 370-180R			304
		16'	189-3/4"	1 * X 370-192R			321

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(NOMINAL) GATE HEIGHT	RAIL QUANTITY	(NOMINAL) GATE OPENING	(ACTUAL) GATE LEAF WIDTH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
7' Tall	3-Rail	3-1/2'	40"	1 * <u> </u> <u> </u> <u> </u> 382-42			84
		4'	49-1/2"	1 * <u> </u> <u> </u> <u> </u> 382-48			97
		5'	58-3/4"	1 * <u> </u> <u> </u> <u> </u> 382-60			121
		6'	68"	1 * <u> </u> <u> </u> <u> </u> 382-72			128
		7'	86-3/4"	1 * <u> </u> <u> </u> <u> </u> 382-84			147
		8'	95-1/2"	1 * <u> </u> <u> </u> <u> </u> 382-96			162
		9'	105-1/2"	1 * <u> </u> <u> </u> <u> </u> 382-108			177
		10'	114-3/4"	1 * <u> </u> <u> </u> <u> </u> 382-120			200
		11'	133-1/2"	1 * <u> </u> <u> </u> <u> </u> 382-132			236
		12'	143"	1 * <u> </u> <u> </u> <u> </u> 382-144			272
		13'	152-1/4"	1 * <u> </u> <u> </u> <u> </u> 382-156			282
		14'	171"	1 * <u> </u> <u> </u> <u> </u> 382-168			292
		15'	180-1/4"	1 * <u> </u> <u> </u> <u> </u> 382-180			309
		16'	189-3/4"	1 * <u> </u> <u> </u> <u> </u> 382-192			325
	3-Rail (WITH RINGS)	3-1/2'	40"	1 * <u> </u> <u> </u> <u> </u> 382-42R			88
		4'	49-1/2"	1 * <u> </u> <u> </u> <u> </u> 382-48R			103
		5'	58-3/4"	1 * <u> </u> <u> </u> <u> </u> 382-60R			128
		6'	68"	1 * <u> </u> <u> </u> <u> </u> 382-72R			137
		7'	86-3/4"	1 * <u> </u> <u> </u> <u> </u> 382-84R			158
		8'	95-1/2"	1 * <u> </u> <u> </u> <u> </u> 382-96R			175
		9'	105-1/2"	1 * <u> </u> <u> </u> <u> </u> 382-108R			191
		10'	114-3/4"	1 * <u> </u> <u> </u> <u> </u> 382-120R			216
		11'	133-1/2"	1 * <u> </u> <u> </u> <u> </u> 382-132R			254
		12'	143"	1 * <u> </u> <u> </u> <u> </u> 382-144R			292
		13'	152-1/4"	1 * <u> </u> <u> </u> <u> </u> 382-156R			303
		14'	171"	1 * <u> </u> <u> </u> <u> </u> 382-168R			316
		15'	180-1/4"	1 * <u> </u> <u> </u> <u> </u> 382-180R			334
		16'	189-3/4"	1 * <u> </u> <u> </u> <u> </u> 382-192R			352

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(NOMINAL) GATE HEIGHT	RAIL QUANTITY	(NOMINAL) GATE OPENING	(ACTUAL) GATE LEAF WIDTH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
8' Tall	3-Rail	3-1/2'	40"	1 <u> </u> <u> </u> 394-42			93
		4'	49-1/2"	1 <u> </u> <u> </u> 394-48			107
		5'	58-3/4"	1 <u> </u> <u> </u> 394-60			134
		6'	68"	1 <u> </u> <u> </u> 394-72			141
		7'	86-3/4"	1 <u> </u> <u> </u> 394-84			161
		8'	95-1/2"	1 <u> </u> <u> </u> 394-96			178
		9'	105-1/2"	1 <u> </u> <u> </u> 394-108			193
		10'	114-3/4"	1 <u> </u> <u> </u> 394-120			220
		11'	133-1/2"	1 <u> </u> <u> </u> 394-132			266
		12'	143"	1 <u> </u> <u> </u> 394-144			288
		13'	152-1/4"	1 <u> </u> <u> </u> 394-156			302
		14'	171"	1 <u> </u> <u> </u> 394-168			320
		15'	180-1/4"	1 <u> </u> <u> </u> 394-180			338
		16'	189-3/4"	1 <u> </u> <u> </u> 394-192			356
	3-Rail (WITH RINGS)	3-1/2'	40"	1 <u> </u> <u> </u> 394-42R			97
		4'	49-1/2"	1 <u> </u> <u> </u> 394-48R			113
		5'	58-3/4"	1 <u> </u> <u> </u> 394-60R			141
		6'	68"	1 <u> </u> <u> </u> 394-72R			150
		7'	86-3/4"	1 <u> </u> <u> </u> 394-84R			172
		8'	95-1/2"	1 <u> </u> <u> </u> 394-96R			191
		9'	105-1/2"	1 <u> </u> <u> </u> 394-108R			207
		10'	114-3/4"	1 <u> </u> <u> </u> 394-120R			236
		11'	133-1/2"	1 <u> </u> <u> </u> 394-132R			284
		12'	143"	1 <u> </u> <u> </u> 394-144R			331
		13'	152-1/4"	1 <u> </u> <u> </u> 394-156R			337
		14'	171"	1 <u> </u> <u> </u> 394-168R			344
		15'	180-1/4"	1 <u> </u> <u> </u> 394-180R			363
		16'	189-3/4"	1 <u> </u> <u> </u> 394-192R			383

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Effective: 01/01/13

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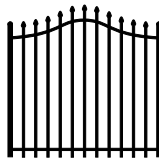


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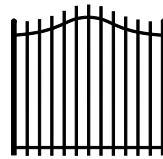
ARCHED WELDED GATES

Style Choices (Aegis Plus® Aluminum Arched Gates):

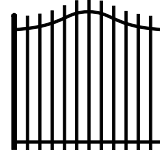
2-Rail



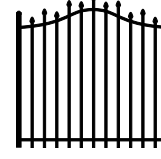
CLASSIC™



MAJESTIC™

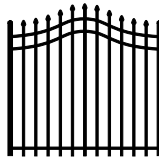


GENESIS™



WARRIOR™

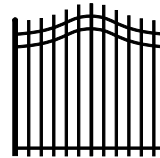
3-Rail



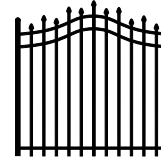
CLASSIC™



MAJESTIC™



GENESIS™



WARRIOR™

3-Rail
w/Rings



CLASSIC™
WITH RINGS



MAJESTIC™
WITH RINGS



GENESIS™
WITH RINGS



WARRIOR™
WITH RINGS

Gate Ends .250" Wall Aluminum
 Rails .250" Wall Aluminum
 Pickets .125" Wall Aluminum

STYLE SELECTION = X = COLOR SELECTION

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 GENESIS = G N = BRONZE
 WARRIOR = W S = SAND

(NOMINAL) GATE HEIGHT	RAIL QTY.	(NOMINAL) GATE OPENING	ACTUAL GATE LEAF WIDTH	AMOUNT OF RISE IN ARCH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
3' Tall Arched	2-Rail	3-1/2'	40"	4"	1 <u> </u> X 234-42A			32
		4'	49-1/2"	5"	1 <u> </u> X 234-48A			35
		5'	58-3/4"	6"	1 <u> </u> X 234-60A			40
		6'	68"	8"	1 <u> </u> X 234-72A			46
		7'	86-3/4"	10"	1 <u> </u> X 234-84A			55
	3-Rail	3-1/2'	40"	4"	1 <u> </u> X 334-42A			35
		4'	49-1/2"	5"	1 <u> </u> X 334-48A			39
		5'	58-3/4"	6"	1 <u> </u> X 334-60A			45
		6'	68"	8"	1 <u> </u> X 334-72A			52
		7'	86-3/4"	10"	1 <u> </u> X 334-84A			62
	3-Rail (With Rings)	3-1/2'	40"	4"	1 <u> </u> X 334-42AR			34
		4'	49-1/2"	5"	1 <u> </u> X 334-48AR			41
		5'	58-3/4"	6"	1 <u> </u> X 334-60AR			54
		6'	68"	8"	1 <u> </u> X 334-72AR			71
		7'	86-3/4"	10"	1 <u> </u> X 334-84AR			86

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(NOMINAL) GATE HEIGHT	RAIL QTY.	(NOMINAL) GATE OPENING	ACTUAL GATE LEAF WIDTH	AMOUNT OF RISE IN ARCH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
3-1/2' Tall Arched	2-Rail	3-1/2'	40"	4"	1 * X 240-42A			36
		4'	49-1/2"	5"	1 * X 240-48A			40
		5'	58-3/4"	6"	1 * X 240-60A			45
		6'	68"	8"	1 * X 240-72A			51
		7'	86-3/4"	10"	1 * X 240-84A			62
	3-Rail	3-1/2'	40"	4"	1 * X 340-42A			39
		4'	49-1/2"	5"	1 * X 340-48A			44
		5'	58-3/4"	6"	1 * X 340-60A			50
		6'	68"	8"	1 * X 340-72A			57
		7'	86-3/4"	10"	1 * X 340-84A			69
	3-Rail (With Rings)	3-1/2'	40"	4"	1 * X 340-42AR			40
		4'	49-1/2"	5"	1 * X 340-48AR			47
		5'	58-3/4"	6"	1 * X 340-60AR			60
		6'	68"	8"	1 * X 340-72AR			77
		7'	86-3/4"	10"	1 * X 340-84AR			93
4' Tall Arched	2-Rail	3-1/2'	40"	4"	1 * X 246-42A			39
		4'	49-1/2"	5"	1 * X 246-48A			44
		5'	58-3/4"	6"	1 * X 246-60A			50
		6'	68"	8"	1 * X 246-72A			56
		7'	86-3/4"	10"	1 * X 246-84A			68
	3-Rail	3-1/2'	40"	4"	1 * X 346-42A			42
		4'	49-1/2"	5"	1 * X 346-48A			48
		5'	58-3/4"	6"	1 * X 346-60A			55
		6'	68"	8"	1 * X 346-72A			62
		7'	86-3/4"	10"	1 * X 346-84A			75
	3-Rail (With Rings)	3-1/2'	40"	4"	1 * X 346-42AR			45
		4'	49-1/2"	5"	1 * X 346-48AR			52
		5'	58-3/4"	6"	1 * X 346-60AR			65
		6'	68"	8"	1 * X 346-72AR			83
		7'	86-3/4"	10"	1 * X 346-84AR			99

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(NOMINAL) GATE HEIGHT	RAIL QTY.	(NOMINAL) GATE OPENING	ACTUAL GATE LEAF WIDTH	AMOUNT OF RISE IN ARCH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
5' Tall Arched	2-Rail	3-1/2'	40"	4"	1 * X 258-42A			46
		4'	49-1/2"	5"	1 * X 258-48A			53
		5'	58-3/4"	6"	1 * X 258-60A			60
		6'	68"	8"	1 * X 258-72A			66
		7'	86-3/4"	10"	1 * X 258-84A			81
	3-Rail	3-1/2'	40"	4"	1 * X 358-42A			49
		4'	49-1/2"	5"	1 * X 358-48A			57
		5'	58-3/4"	6"	1 * X 358-60A			65
		6'	68"	8"	1 * X 358-72A			72
		7'	86-3/4"	10"	1 * X 358-84A			88
	3-Rail (With Rings)	3-1/2'	40"	4"	1 * X 358-42AR			56
		4'	49-1/2"	5"	1 * X 358-48AR			63
		5'	58-3/4"	6"	1 * X 358-60AR			76
		6'	68"	8"	1 * X 358-72AR			95
		7'	86-3/4"	10"	1 * X 358-84AR			112
6' Tall Arched	2-Rail	3-1/2'	40"	4"	1 * X 270-42A			54
		4'	49-1/2"	5"	1 * X 270-48A			62
		5'	58-3/4"	6"	1 * X 270-60A			69
		6'	68"	8"	1 * X 270-72A			77
		7'	86-3/4"	10"	1 * X 270-84A			94
	3-Rail	3-1/2'	40"	4"	1 * X 370-42A			57
		4'	49-1/2"	5"	1 * X 370-48A			66
		5'	58-3/4"	6"	1 * X 370-60A			74
		6'	68"	8"	1 * X 370-72A			83
		7'	86-3/4"	10"	1 * X 370-84A			101
	3-Rail (With Rings)	3-1/2'	40"	4"	1 * X 370-42AR			67
		4'	49-1/2"	5"	1 * X 370-48AR			74
		5'	58-3/4"	6"	1 * X 370-60AR			87
		6'	68"	8"	1 * X 370-72AR			107
		7'	86-3/4"	10"	1 * X 370-84AR			125

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(NOMINAL) GATE HEIGHT	RAIL QTY.	(NOMINAL) GATE OPENING	ACTUAL GATE LEAF WIDTH	AMOUNT OF RISE IN ARCH	ITEM NUMBER	CATALOG PRICE (BLACK)	CATALOG PRICE (COLOR)	GATE WEIGHT
7' Tall Arched	3-Rail	3-1/2'	40"	4"	1 * X 382-42A			73
		4'	49-1/2"	5"	1 * X 382-48A			78
		5'	58-3/4"	6"	1 * X 382-60A			89
		6'	68"	8"	1 * X 382-72A			108
		7'	86-3/4"	10"	1 * X 382-84A			124
	3-Rail (With Rings)	3-1/2'	40"	4"	1 * X 382-42AR			78
		4'	49-1/2"	5"	1 * X 382-48AR			85
		5'	58-3/4"	6"	1 * X 382-60AR			98
		6'	68"	8"	1 * X 382-72AR			118
		7'	86-3/4"	10"	1 * X 382-84AR			138
8' Tall Arched	3-Rail	3-1/2'	40"	4"	1 * X 394-42A			84
		4'	49-1/2"	5"	1 * X 394-48A			89
		5'	58-3/4"	6"	1 * X 394-60A			100
		6'	68"	8"	1 * X 394-72A			120
		7'	86-3/4"	10"	1 * X 394-84A			137
	3-Rail (With Rings)	3-1/2'	40"	4"	1 * X 394-42AR			89
		4'	49-1/2"	5"	1 * X 394-48AR			96
		5'	58-3/4"	6"	1 * X 394-60AR			109
		6'	68"	8"	1 * X 394-72AR			131
		7'	86-3/4"	10"	1 * X 394-84AR			151

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