# **V1 Baluster Guardrail** — 36" vs 42" at a glance

Both heights use the same post, rail and baluster profiles, the same spacing and the same finish. The 42" version is simply taller: longer posts and longer balusters. Baluster count and spacing do not change. Posts stand 1 1/4" (32mm) above the top rail.

| | 36" height | 42" height |
|---|---|---|
| Height to top of rail | **36"** (915mm) | **42 1/4"** (1073mm) |
| Post height (incl. base plate) | 37 5/16" (947mm) | 43 1/2" (1105mm) |
| Top of rail to bottom of rail | 32 5/16" (820mm) | 38 1/2" (978mm) |
| Gap under bottom rail | **3 3/4"** (95mm) | **3 3/4"** (95mm) |
| Open height between rails | 29 3/4" (756mm) | 36" (914mm) |
| Baluster length | 32 3/16" (817mm) | 38 3/8" (975mm) |
| Post cut length (all posts) | 37 1/8" (943mm) | 43 3/8" (1101mm) |
| Gate frame height | 34 13/16" (885mm) | 40 7/8" (1038mm) |
| SECTION WIDTHS (SAME FOR BOTH HEIGHTS) | | |
| 4.5' section | Post spacing **56 1/8"** (1425mm) center-to-center · clear opening 54 1/2" (1385mm) · **11 balusters** | |
| 6' section | Post spacing **74 1/2"** (1893mm) center-to-center · clear opening 72 15/16" (1853mm) · **15 balusters** | |
| Baluster spacing | **3 7/8"** (98mm) clear gap · 4 5/8" (117mm) on center | |
| 4' gate | 44 15/16" (1141mm) between stiles · **9 balusters** · 3 13/16" (97mm) clear gap | |
| COMMON TO BOTH | | |
| Material | Carbon steel · 40×40mm posts, 18GA (1.2mm) wall · 32×32mm top & bottom rails and 19×19mm balusters, 0.8mm wall | |
| Finish / Color | 5 Stage Powder Coat · Matte Black (10% Glossy) | |
| Kits (panel + post) | v1GR36-4 · v1GR36-6 | v1GR42-4 · v1GR42-6 |
| Sections (no post) | v1GRSec36-4 · v1GRSec36-6 | — |
| Posts | v1GR36e2 · v1GR36c2 | v1GR42e2 · v1GR42c2 |
| Gate | v1GR36-Gate | v1GR42-Gate |

**How a run goes together**

End post → kit → kit → … → end post. Each kit brings its own line post on one side; finish the open side of the last kit with an end post. Use a corner post wherever the run turns 90°.

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**V1 SERIES**
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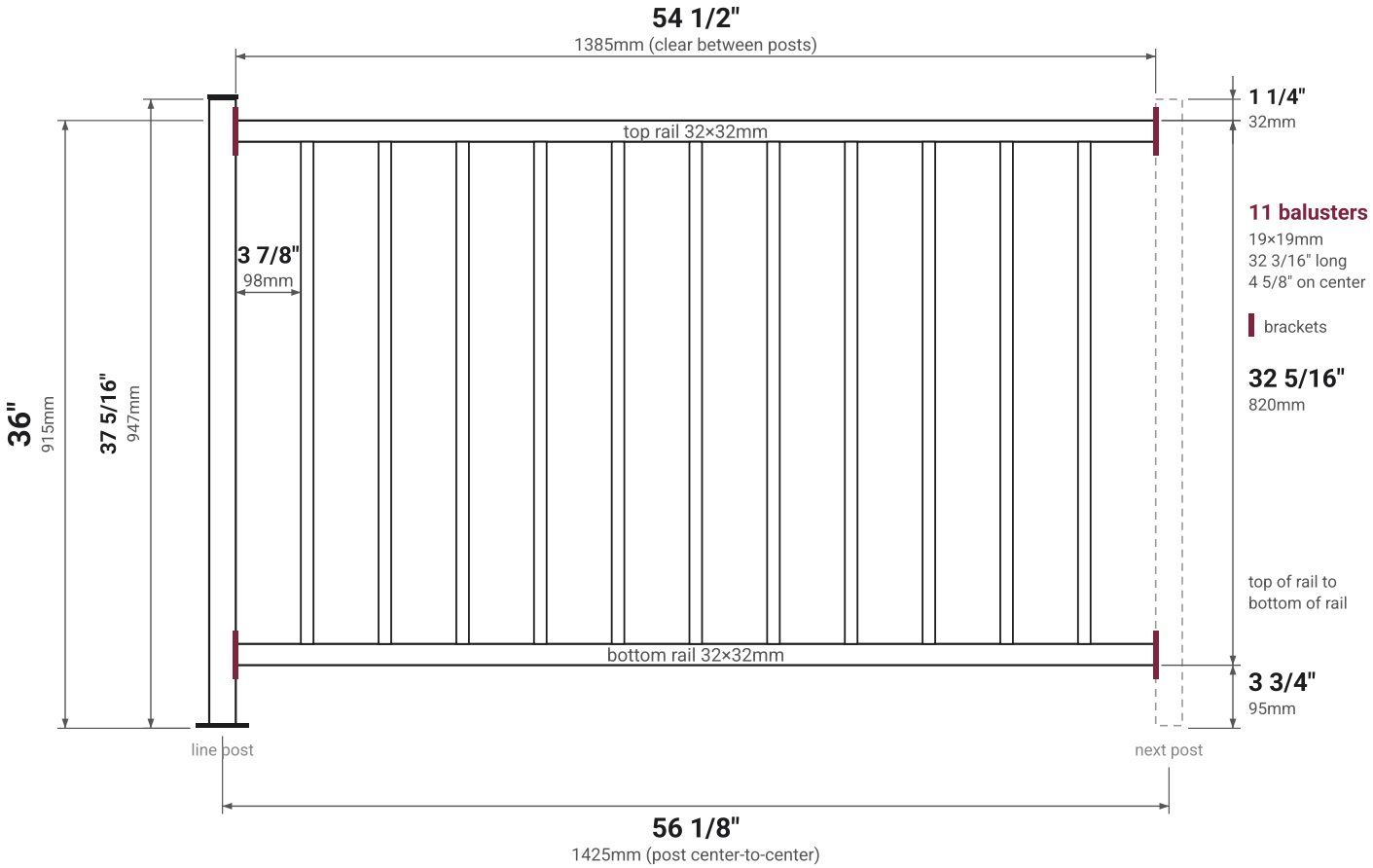
# 4.5'W × 36"H Baluster Guardrail Kit Specification

| | |
|---|---|
| Material | Carbon Steel |
| Line post | 40×40mm, 18GA (1.2mm) wall, 37 1/8" (943mm) cut, welded base plate |
| Top & bottom rail | 32×32mm, 0.8mm wall, 54 1/2" (1385mm) long |
| Balusters | 19×19mm, 0.8mm wall, 32 3/16" (817mm) long |
| Finish / Color | 5 Stage Powder Coat · Matte Black (10% Glossy) |

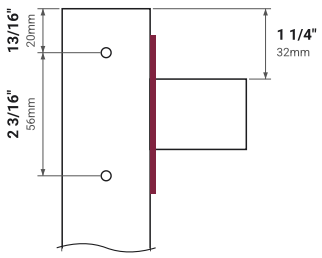
**v1GR36-4** = panel + 1 line post. **v1GRSec36-4** = the same panel with brackets, no post.

## KEY DIMENSIONS

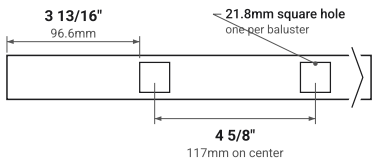
| | |
|---|---|
| Height | 36" (915mm) to top of rail |
| Post height | 37 5/16" (947mm) incl. base plate |
| Post spacing | 56 1/8" (1425mm) center-to-center |
| Balusters | 11 × 19×19mm, 4 5/8" (117mm) on center |
| Gap between balusters | 3 7/8" (98mm) clear, incl. at both posts |
| Under bottom rail | 3 3/4" (95mm) to ground |




## DETAIL — CONNECTIONS




**RAIL-TO-POST BRACKET**
2 bolts per bracket, 2 3/16" (56mm) apart
same pattern at the bottom rail




**RAILS (TOP VIEW)**
32×32mm · top & bottom rail
same pattern from both ends

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# v1GR36-4 · v1GRSec36-4
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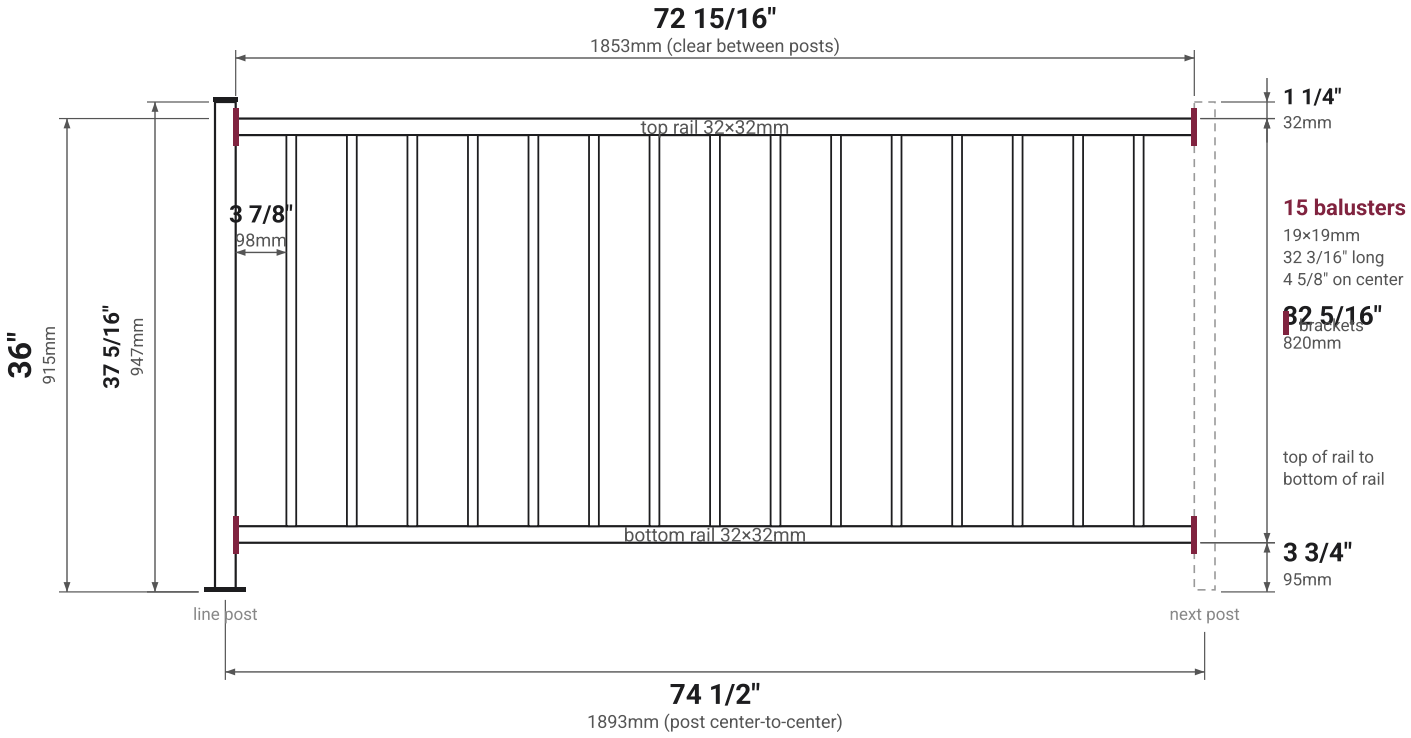
# 6'W × 36"H Baluster Guardrail Kit Specification

| | |
|---|---|
| Material | **Carbon Steel** |
| Line post | **40×40mm, 18GA (1.2mm) wall, 37 1/8" (943mm) cut, welded base plate** |
| Top & bottom rail | **32×32mm, 0.8mm wall, 72 15/16" (1853mm) long** |
| Balusters | **19×19mm, 0.8mm wall, 32 3/16" (817mm) long** |
| Finish / Color | **5 Stage Powder Coat · Matte Black (10% Glossy)** |

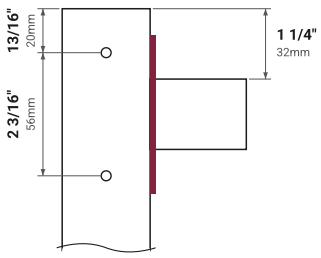
**v1GR36-6** = panel + 1 line post. **v1GRSec36-6** = the same panel with brackets, no post.

## KEY DIMENSIONS

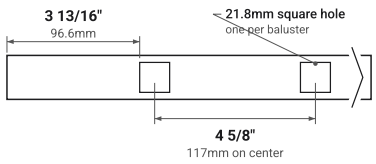
| | |
|---|---|
| Height | **36" (915mm) to top of rail** |
| Post height | **37 5/16" (947mm) incl. base plate** |
| Post spacing | **74 1/2" (1893mm) center-to-center** |
| Balusters | **15 × 19×19mm, 4 5/8" (117mm) on center** |
| Gap between balusters | **3 7/8" (98mm) clear, incl. at both posts** |
| Under bottom rail | **3 3/4" (95mm) to ground** |




## DETAIL — CONNECTIONS




**RAIL-TO-POST BRACKET**
2 bolts per bracket, 2 3/16" (56mm) apart
same pattern at the bottom rail




**RAILS (TOP VIEW)**
32×32mm · top & bottom rail
same pattern from both ends

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# v1GR36-6 · v1GRSec36-6
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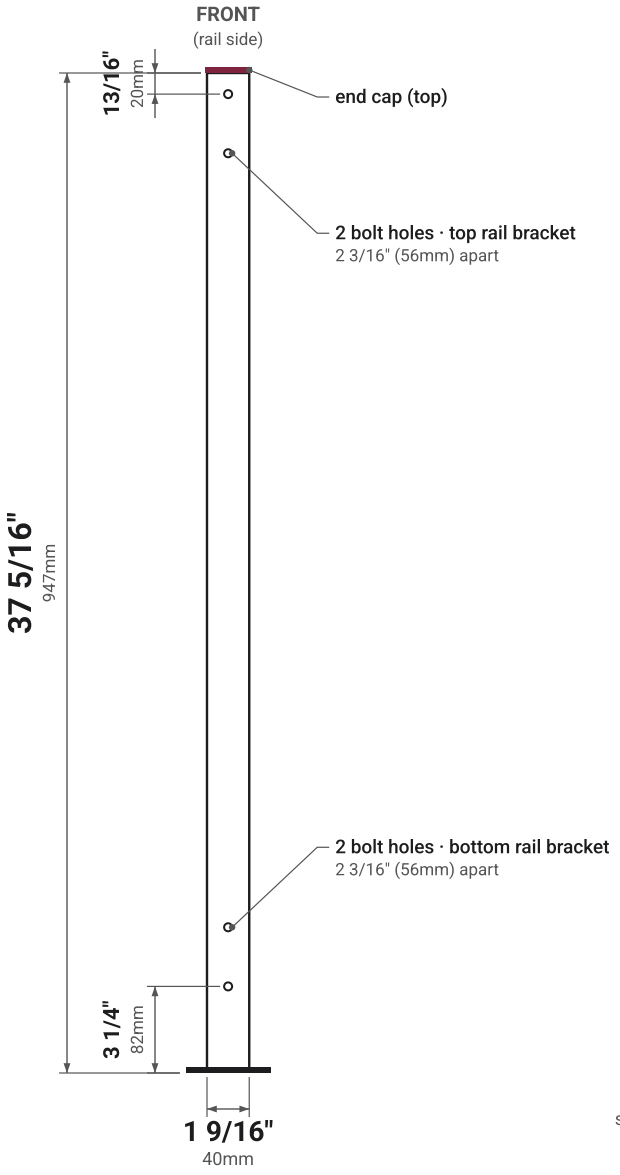
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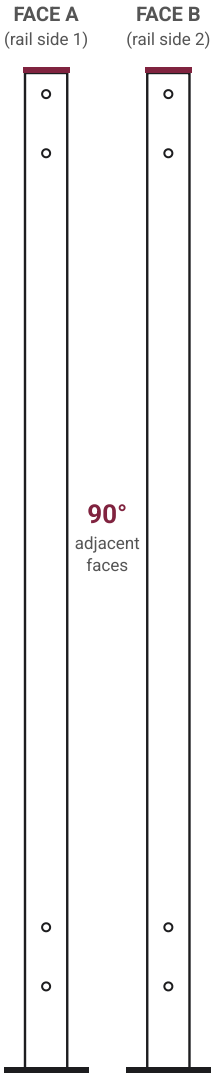
# 36"H Baluster Guardrail End & Corner Posts Specification

| | |
|---|---|
| Material | Carbon Steel |
| Post | 40×40mm, 18GA (1.2mm) wall, 37 1/8" (943mm) cut |
| Height | 37 5/16" (947mm) incl. welded base plate |
| End post | 4 bolt holes on **one** face — starts or ends a run |
| Corner post | 4 bolt holes on **each of two adjacent** faces — turns a run 90° |
| Top | End cap |
| Finish / Color | 5 Stage Powder Coat · Matte Black (10% Glossy) |

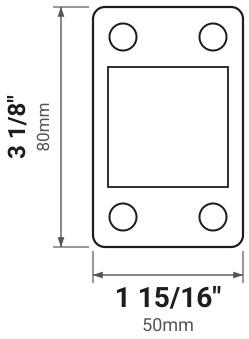
## END POST




## CORNER POST




same hole positions as the end post
4 holes on each of 2 faces (8 total)




**BASE PLATE**

end & corner posts · welded
thickness 3/16" (4mm)
rail-hole face on the 80mm side

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# v1GR36e2 · v1GR36c2
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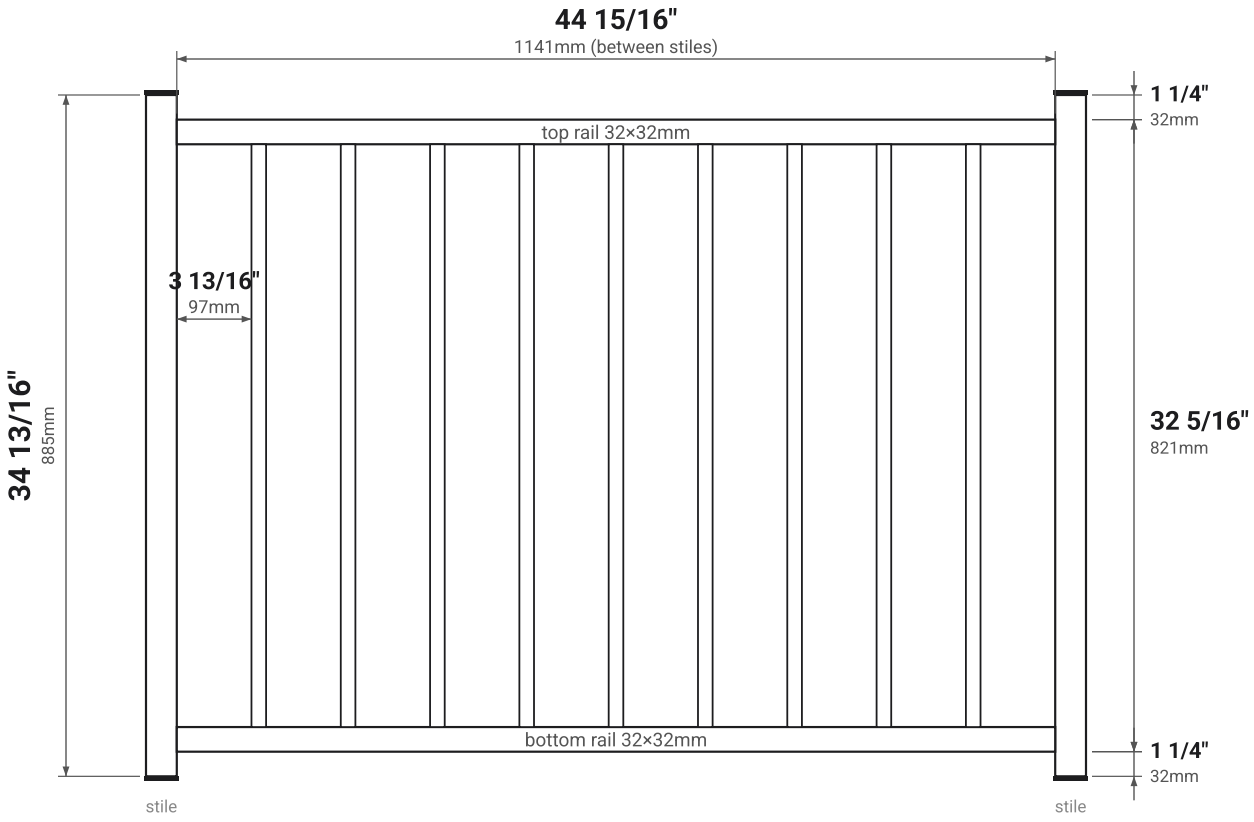
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# 4'W × 36"H Baluster Gate Specification

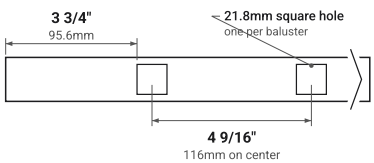
| | |
|---|---|
| Material | Carbon Steel |
| Top & bottom rail | 32×32mm, 0.8mm wall, 44 15/16" (1141mm) long |
| Balusters | 19×19mm, 0.8mm wall, 32 3/16" (817mm) long |
| Stiles | 34 13/16" (885mm) long, end caps top and bottom |
| Finish / Color | 5 Stage Powder Coat · Matte Black (10% Glossy) |

## KEY DIMENSIONS

| | |
|---|---|
| Frame height | 34 13/16" (885mm) stile length |
| Width between stiles | 44 15/16" (1141mm) |
| Balusters | 9 × 19×19mm, 4 9/16" (116mm) on center |
| Gap between balusters | 3 13/16" (97mm) clear |




## DETAIL — GATE RAILS




**GATE RAILS (TOP VIEW)**
32×32mm · 1141mm long · 9 holes
same pattern from both ends

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# v1GR36-Gate
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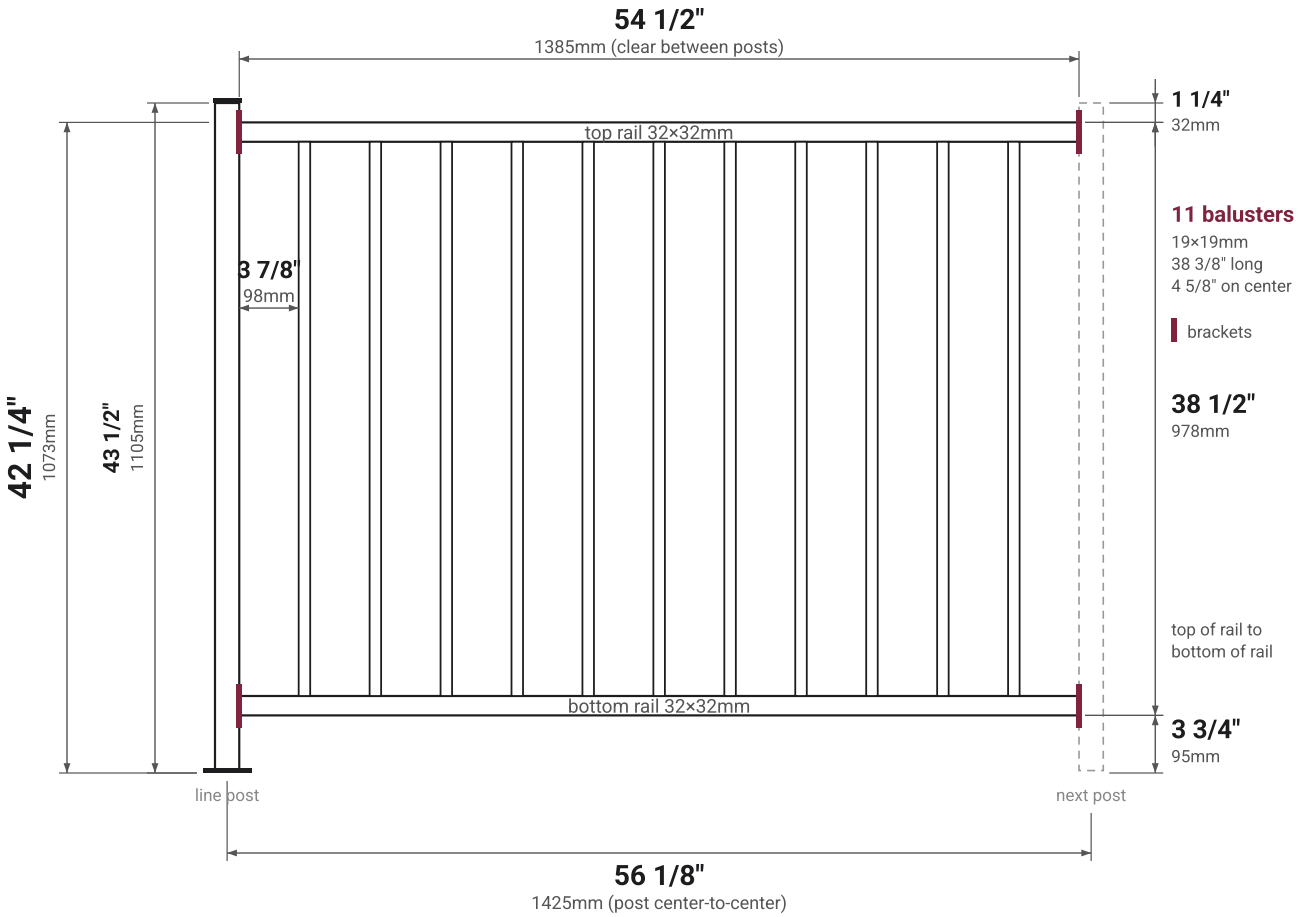
# 4.5'W × 42"H Baluster Guardrail Kit Specification

| | |
|---|---|
| Material | Carbon Steel |
| Line post | 40×40mm, 18GA (1.2mm) wall, 43 3/8" (1101mm) cut, welded base plate |
| Top & bottom rail | 32×32mm, 0.8mm wall, 54 1/2" (1385mm) long |
| Balusters | 19×19mm, 0.8mm wall, 38 3/8" (975mm) long |
| Finish / Color | 5 Stage Powder Coat · Matte Black (10% Glossy) |

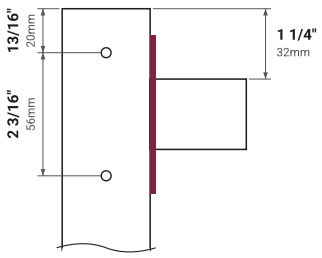
**v1GR42-4** = panel + 1 line post.

## KEY DIMENSIONS

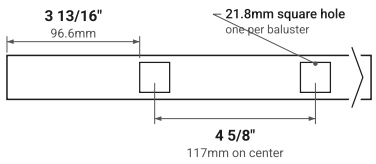
| | |
|---|---|
| Height | 42 1/4" (1073mm) to top of rail |
| Post height | 43 1/2" (1105mm) incl. base plate |
| Post spacing | 56 1/8" (1425mm) center-to-center |
| Balusters | 11 × 19×19mm, 4 5/8" (117mm) on center |
| Gap between balusters | 3 7/8" (98mm) clear, incl. at both posts |
| Under bottom rail | 3 3/4" (95mm) to ground |




## DETAIL — CONNECTIONS




**RAIL-TO-POST BRACKET**
2 bolts per bracket, 2 3/16" (56mm) apart
same pattern at the bottom rail




**RAILS (TOP VIEW)**
32×32mm · top & bottom rail
same pattern from both ends

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# v1GR42-4
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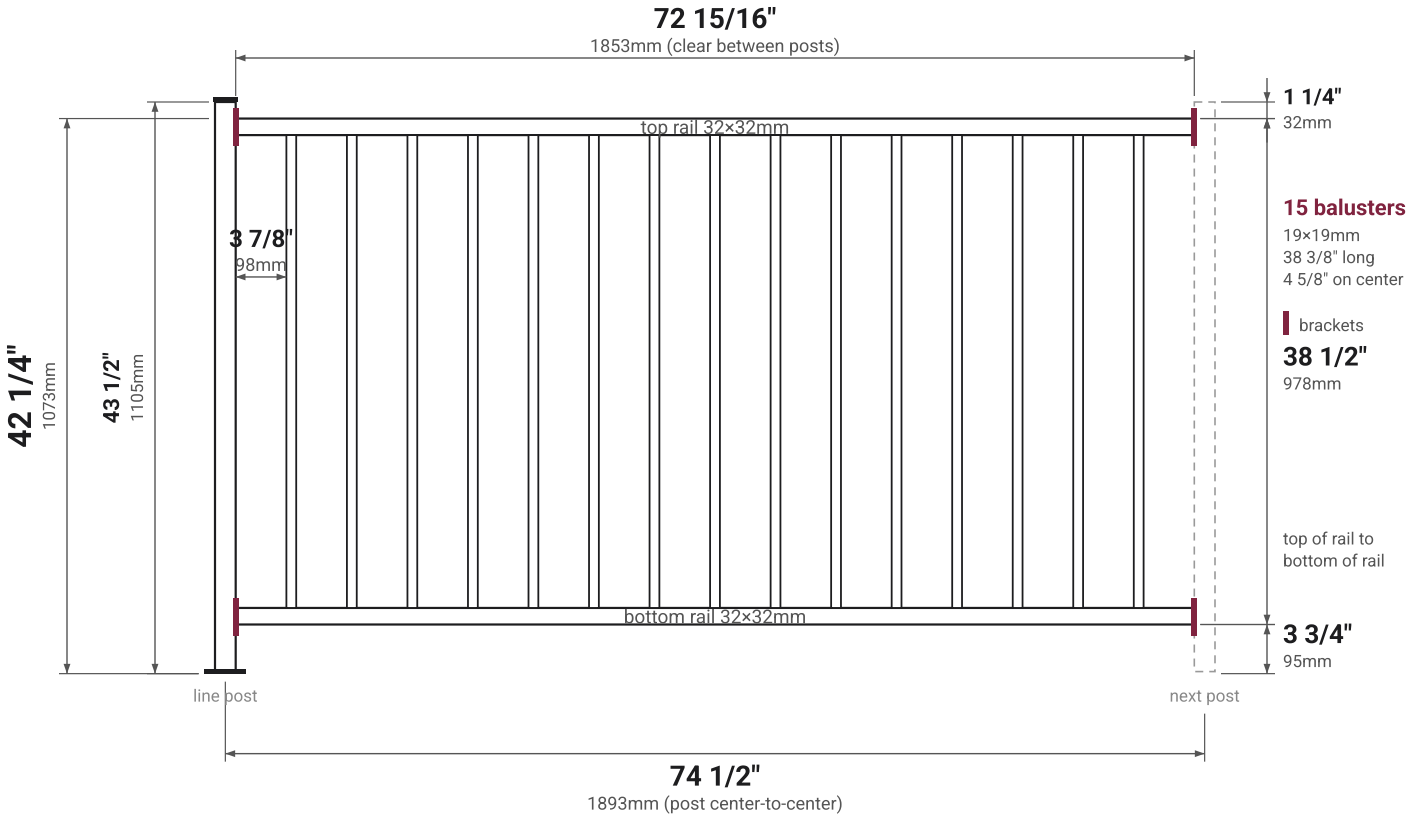
# 6'W × 42"H Baluster Guardrail Kit Specification

| | |
|---|---|
| Material | Carbon Steel |
| Line post | 40×40mm, 18GA (1.2mm) wall, 43 3/8" (1101mm) cut, welded base plate |
| Top & bottom rail | 32×32mm, 0.8mm wall, 72 15/16" (1853mm) long |
| Balusters | 19×19mm, 0.8mm wall, 38 3/8" (975mm) long |
| Finish / Color | 5 Stage Powder Coat · Matte Black (10% Glossy) |

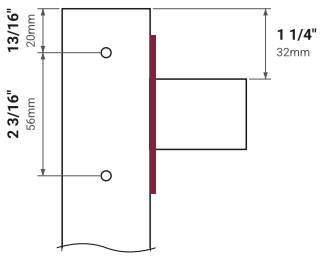
**v1GR42-6** = panel + 1 line post.

## KEY DIMENSIONS

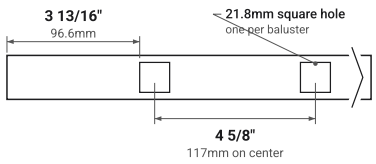
| | |
|---|---|
| Height | 42 1/4" (1073mm) to top of rail |
| Post height | 43 1/2" (1105mm) incl. base plate |
| Post spacing | 74 1/2" (1893mm) center-to-center |
| Balusters | 15 × 19×19mm, 4 5/8" (117mm) on center |
| Gap between balusters | 3 7/8" (98mm) clear, incl. at both posts |
| Under bottom rail | 3 3/4" (95mm) to ground |




## DETAIL — CONNECTIONS




**RAIL-TO-POST BRACKET**
2 bolts per bracket, 2 3/16" (56mm) apart
same pattern at the bottom rail




**RAILS (TOP VIEW)**
32×32mm · top & bottom rail
same pattern from both ends

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# v1GR42-6
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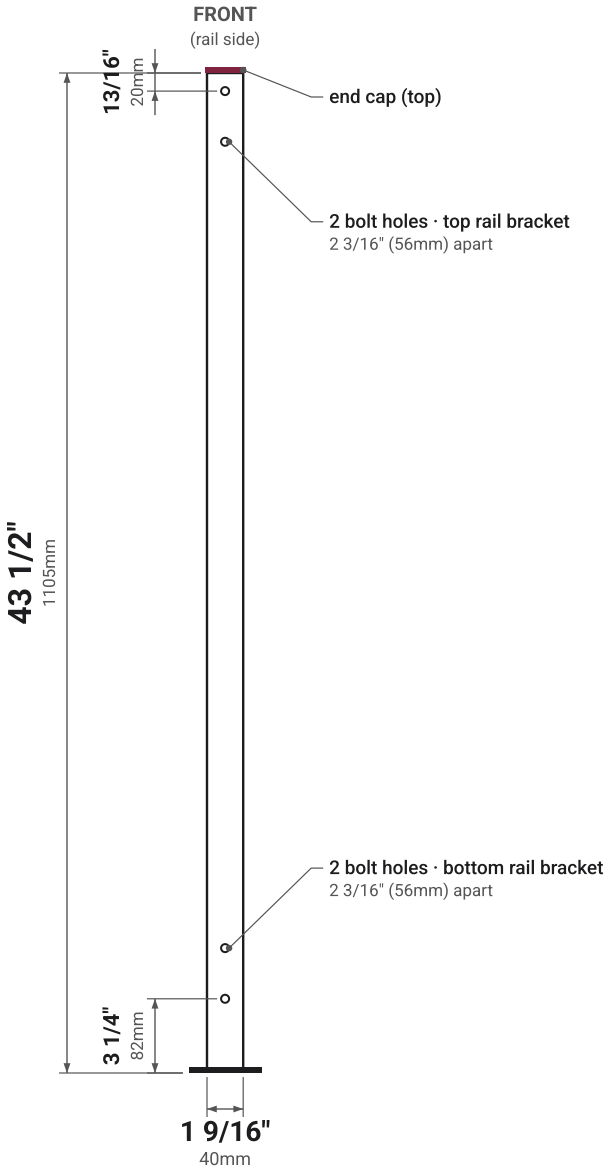
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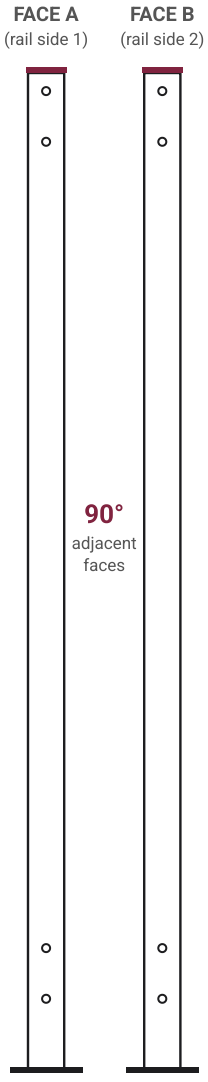
# 42"H Baluster Guardrail End & Corner Posts Specification

| | |
|---|---|
| Material | Carbon Steel |
| Post | 40×40mm, 18GA (1.2mm) wall, 43 3/8" (1101mm) cut |
| Height | 43 1/2" (1105mm) incl. welded base plate |
| End post | 4 bolt holes on **one** face — starts or ends a run |
| Corner post | 4 bolt holes on **each of two adjacent** faces — turns a run 90° |
| Top | End cap |
| Finish / Color | 5 Stage Powder Coat · Matte Black (10% Glossy) |

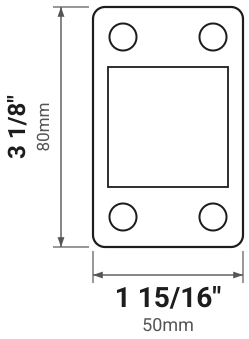
## END POST




## CORNER POST




same hole positions as the end post
4 holes on each of 2 faces (8 total)




**BASE PLATE**

end & corner posts · welded
thickness 3/16" (4mm)
rail-hole face on the 80mm side

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# v1GR42e2 · v1GR42c2
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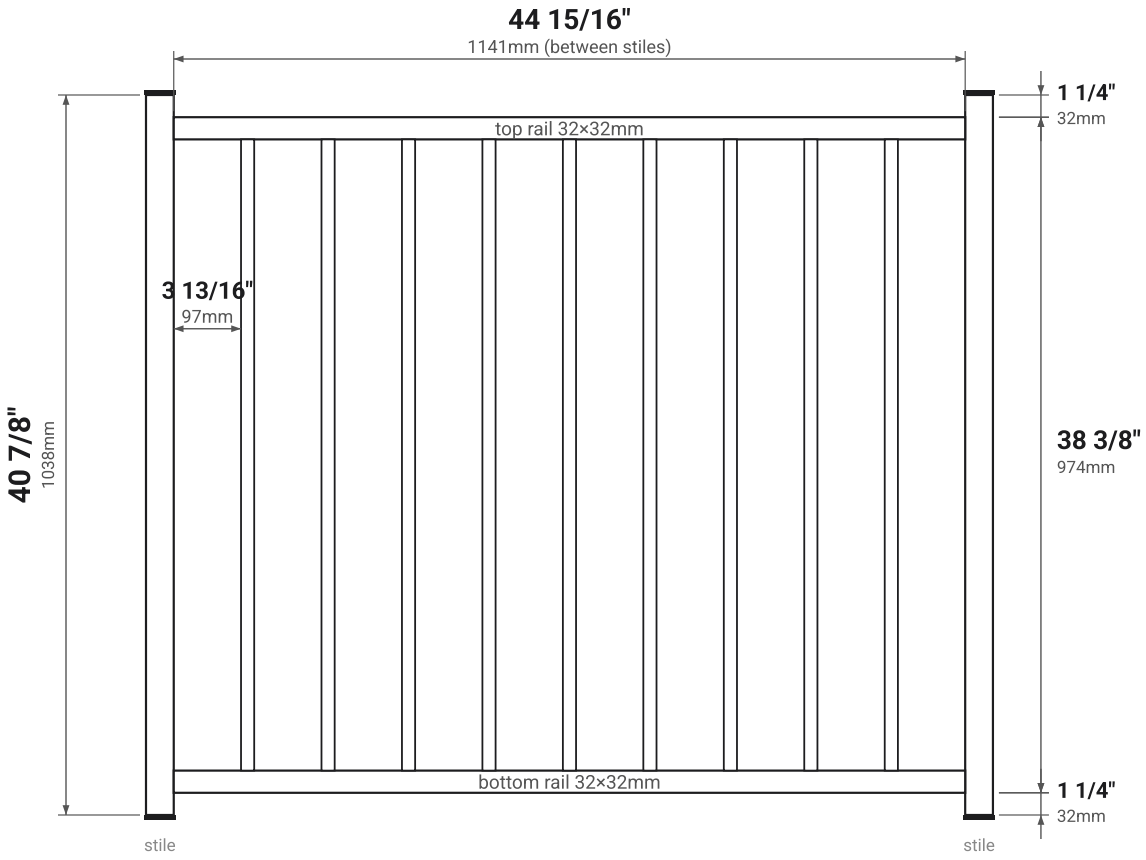
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# 4'W × 42"H Baluster Gate Specification

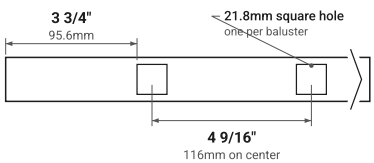
| | |
|---|---|
| Material | Carbon Steel |
| Top & bottom rail | 32×32mm, 0.8mm wall, 44 15/16" (1141mm) long |
| Balusters | 19×19mm, 0.8mm wall, 38 3/16" (970mm) long |
| Stiles | 40 7/8" (1038mm) long, end caps top and bottom |
| Finish / Color | 5 Stage Powder Coat · Matte Black (10% Glossy) |

## KEY DIMENSIONS

| | |
|---|---|
| Frame height | 40 7/8" (1038mm) stile length |
| Width between stiles | 44 15/16" (1141mm) |
| Balusters | 9 × 19×19mm, 4 9/16" (116mm) on center |
| Gap between balusters | 3 13/16" (97mm) clear |




## DETAIL — GATE RAILS




**GATE RAILS (TOP VIEW)**
32×32mm · 1141mm long · 9 holes
same pattern from both ends

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