

# Installation

## Euro Style Restroom Partitions Phenolic LT – LOFT Series



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installation overview video](#)

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**Read the instructions in this manual before beginning installation. Save these instructions and refer to them for inspection, maintenance, and troubleshooting information.**

For questions regarding the operation, installation or maintenance of this product, visit [bradleycorp.com](http://bradleycorp.com) or call 800.BRADLEY (800.272.3539).

Product warranties and parts information may also be found under “Resources” on our website at [bradleycorp.com](http://bradleycorp.com).

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## Safety Information

### Warning

Before beginning installation, make sure that the wall and floor backing are adequate to support the secure mounting of the toilet compartment units.

Partitions are extremely heavy and may require more than one person to position and install.

Failure to comply with these instructions may result in personal injury and/or property damage and will void the partition warranty.

### Caution

Personal protective equipment (PPE) is required during the installation and maintenance of this product.

### Notice

To prevent warping, always lay the material flat. Do not lean the material against the wall or stack unevenly.

Make sure all floors and walls are clean and smooth. Remove loose impediments, such as protruding nails and other debris which could affect installation.

To minimize break-out, always use a support block when drilling through the material.

Carefully remove components from skid, do not drag.

### Important

Review your partition layout drawings and verify the number of stalls and components before beginning installation.

Read this installation manual completely to ensure proper installation, then file it with the owner or maintenance department.

This installation manual provides instruction for the assembly of normal partition configurations and standard components.


Non-standard configurations or components including but not limited to curved or angled walls, notched walls, partial walls, oversized panels, or modified hardware are not covered in this manual. Compliance and conformity to local codes and ordinances is the responsibility of the installer.

Separate parts from packaging and make sure all parts are accounted for before discarding packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.


## Supplies Required

- Chalk line and pencil
- 4D laser level
- Power drill or screw gun with drill bit extension
- Miter saw with aluminum saw blade
- Circular saw or jigsaw
- Cordless screwdriver
- Power rivet gun
- Metric tape measure (recommend a wood folding metric ruler)
- Standard hand tools
- Metric HSS drill bits (8 mm, 5 mm, 4.2 mm)
- Scissor jacks
- Rubber hammer
- Step ladder

## 1 Marking & Installing U-Brackets


-  When installing the partition components, consult the applicable Bradley Partition submittal drawing specific to this job for compartment layout dimensions.

**A** From the accompanying production drawing you can see the centerline plus overall dimensions and the dimensions of the front wall. Transfer these measurements to the floor and appropriate walls.

-  If the centerline dimensions are not specified, the cubicle is divided equally according to the dimensions for the front side.

**B** Number the wall U-brackets while laying out the stalls. Use the laser level to locate the drill points for each U-bracket. Mark and then drill the locations.

**C** Using the 4D laser level, locate the centerline of each U-bracket. Measure up from the floor 100 mm and mark the bottom of the first U-bracket. Use the first bracket base location as a guide to locate and mark the remaining bracket locations using the laser level.

-  The dimensions from the floor for the remaining U-brackets may vary depending on any slope in the floor.

**D** Hold the numbered brackets at these locations, line up the U-bracket pre-drilled holes at laser centerline, and mark the screw hole locations on the wall. Be sure to keep the numbered brackets straight.

**E** Mark the drill holes for the wall connection U-brackets.

-  Be aware of your surroundings and avoid obstructions.

**F** Drill the marked holes using an 8 mm drill bit, and then mount the U-brackets using 8 mm x 51 mm plastic anchors and 5.5 mm x 60 mm countersunk screws with 6.4 mm washers.



## 2 Making Back Wall Notches (if necessary)



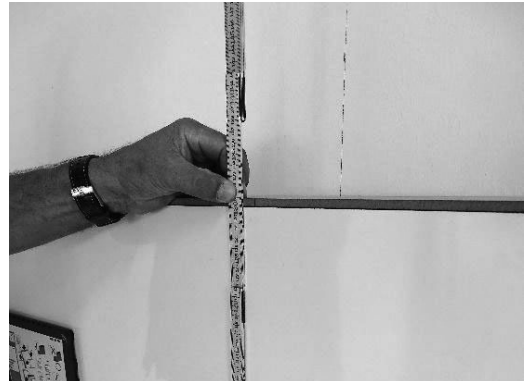
*This step may not be necessary, depending on the layout.*

**A**

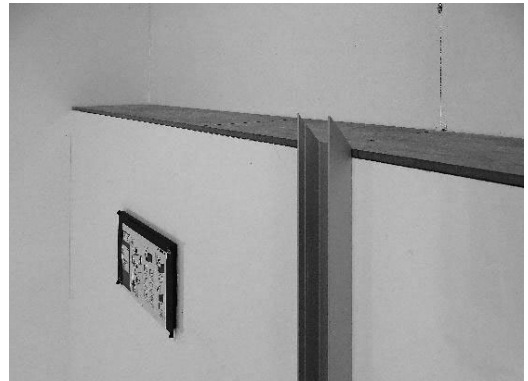
Measure the height of the shelf on the back wall and subtract the specified ground clearance at that location from this dimension.



*Determine whether the shelf is at a right angle.*

**B**

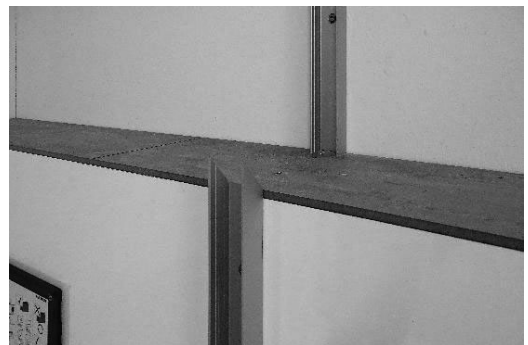
Shorten the mitered pre-cut U-bracket to the correct size. Place the U-bracket with the miter end up, making sure that it is flush with the top of the shelf.

**C**

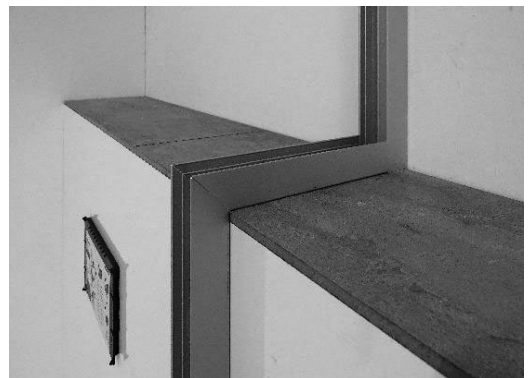
Adjust the remaining piece of the long U-bracket to the height of the system, and then attach the U-bracket, setting it perpendicular to the wall.



*If several notches are required, align the height of the U-brackets using a laser level.*

**D**

Adjust the short miter U-bracket, and then attach it to the shelf.

**E**

Transfer the notch dimension with the addition of 0.20" clearance to the partition panel, and then use a circular saw to make the notch.

- F** Place the partition panel into the notched brackets. Level and use jacks to support the panel and to hold the panel in place.



### 3 Installing Middle and End Panels

**A** Place a small bead of silicone on both sides of the U-bracket side walls towards the front of the bracket. This will help reduce noise when complete.

**B** Support the panel at both the front and back using scissor jacks. Use a standard level to verify the panel is level.

☒ The corner pilaster is assembled up to a width of 400 mm to the end panel.



### 4 Mounting Support Feet

**A** Insert the aluminum feet into the assembled plastic bushing in the bottom of the pilasters. Verify the loose escutcheon is in place to cover the flange of the foot.

☒ If gluing the feet to the floor, use the black plastic disk that is included in the pre-pack.





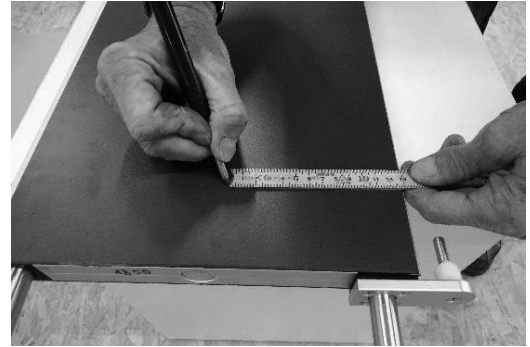
## 5 Mounting U-Bracket on Pilaster

**A** Determine the centerline of the pilaster and then draw a full-length line along the pilaster. There may be a custom dimension indicated on the submittal drawing.



Verify the correct pilasters are selected by matching the label on the pilasters with what is indicated on the submittal drawings.

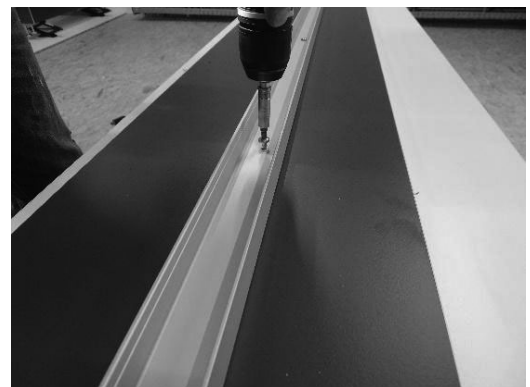
*Pay close attention to the latch side versus hinge side, in addition to the in-swing or out-swing.*



**B** Place the U-bracket on the interior pilaster flush with the bottom, and then mark the drill holes.



**C** Using a 4.2 mm drill bit, drill the holes through the surface of the first panel only, and then attach the U-bracket using 5.5 mm x 25 mm pan head screws. Make sure the lower hole catches part of the interior aluminum frame at the bottom edge of the pilaster.



## 6 Mounting Pilaster to Partition Panel

**A** Place a small bead of silicone on the inside walls of the U-bracket.

**B** Place the interior pilaster onto the partition panel and use a jack to line up the bottom edges.



*Use a standard level to verify the pilasters and panels are level and flush.*

Drill pilot holes through the U-bracket and into the first wall of the panel using a 5 mm drill bit.

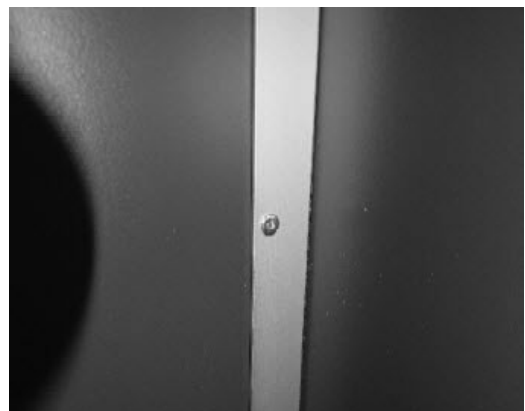
**C** Be sure to mark the pilot hole locations 100 mm from the top, 100 mm from the bottom, and then center the third hole in the middle of the bracket.

Drill closer to the edge of the bracket to make sure the drill bit catches the panel.



*Use a standard level to verify the pilasters and panels are level and flush.*

**D** Secure the middle pilaster to the partition panel using three aluminum 4.8 mm x 16 mm rivets at the top, middle, and bottom locations.

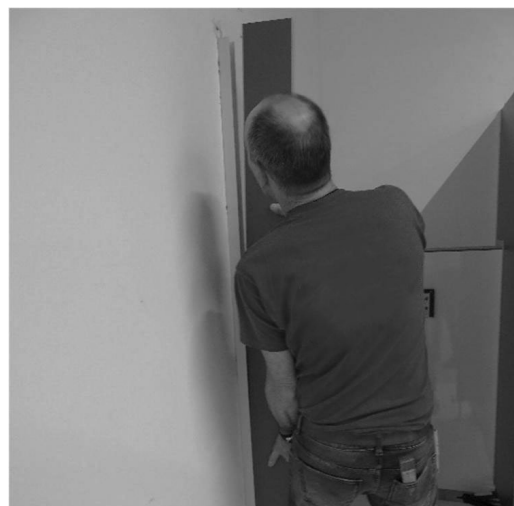




## 7 Inserting Interior Pilaster

**A** Place a small bead of silicone on the inside walls of the U-bracket, and then set the end pilaster into the bracket.

**B** Use a jack to support the end pilaster. Verify the lower edge of the end pilaster is flush with the U-bracket.



## 8 Attaching Doors



Doors are available with two types of hinges: 180° barrel hinge or 110° integral hinge. Follow the instructions for the type of hinge installed on your doors.

### 180° Barrel Hinge Type



Line up the top barrel hinges on the door with the bottom barrel hinges installed on the pilasters, and then hang the door in place.



The door hinges are pre-installed on the doors and pilasters.



### 110° Integral Hinge Type



Place the aluminum channel with the four small screws to the top of the door with the pin on the hinge side. Leave four side screws alone. Do not tighten or loosen these screws. They are set to wedge into slots of the pilasters.



Remove the rubber O-ring from the plastic cam at the base of the pilaster (O-ring was used to secure cam during shipping), and then place the plastic cam in the correct position for desired "at rest" position.



Line up the four screws in the aluminum channel with the slots in the corresponding pilaster. With the screws aligned on the upper channel, simultaneously place the door on the bottom pin with the plastic cam.



## 9 Mounting Headrail

**A** Verify that the pilasters against the wall are level.



**B** Measure the length of the headrail needed. Use a circular saw or jigsaw to cut the headrail to the measured length.

☒ Headrail pieces are shipped approximately 60 mm longer than needed and must be trimmed to fit the exact requirements.

**C** Verify the vertical gaps between the doors and pilasters are adjusted to 4 mm. Adjust the gap at the top of the door to 4 mm. Spacers are recommended.

☒ Make sure the door is flush with the adjoining pilasters. Use a long straight edge to make any necessary adjustments.



**D** Mark at least 2 drill holes per component along the top of the headrail to be used for securing the headrail to the panels.

☒ Typically, 2 rivets are required for each component (top of pilaster or top of door). Make sure the hole for 1 rivet is placed at least 50 mm in from the edge of the component. In some cases, the pilaster may be too narrow where only 1 rivet would be used.



**E** Drill the marked holes using a 5 mm drill bit (drill through the holes of the flange while the foot is in place), and then mount the headrail using 4.8 mm x 16 mm rivets.



**10 Aligning the System & Securing the Feet**

**A** Verify the vertical gaps between the door and pilasters are adjusted to 4 mm. Adjust the gap at the top of the door to 4 mm. Spacers are recommended.

- ☒ Make sure the door is flush with the adjoining pilasters. Adjust as needed.
- ☒ To make any adjustments, raise or lower the middle panel using a jack and move the middle pilaster from side to side.

**B** After alignment is complete, mark and drill the holes for securing the feet to the floor. Place black plastic disk under the metal foot before sliding down to floor. Align the two small stand-off lines in disk with the U-shaped cut out in the metal foot. This helps cushion the foot against the floor, plus it allows the cover escutcheon to snap securely to the floor over foot.

**C** Secure the feet in place using a 6 mm drill bits with two 4.8 mm x 38 mm screws.

- ☒ Be sure to use the appropriate type of bit depending on the floor material.



**11 Securing the Feet****A**

For the 110° integral hinge side of the pilaster, use a 5 mm drill bit to drill a hole from inside of the stall just above the base of the pilaster (approximately the same height as the opposing hole that was pre-drilled on the edge of the latch side of the pilaster) centered in line with the tubing of the foot support.

Carefully continue to drill through the first wall of the pilaster through the first wall of the foot tubing only.

**B**

Use a rivet gun to secure the feet in place using a 4.8 mm x 20 mm stainless steel rivet.

**C**

Use a rivet gun to secure the middle panel and the two end pilasters with the U-brackets together using 4.8 mm x 16 mm aluminum rivets.

**D**

For the latch side of the pilaster, secure the feet by drilling through the pre-drilled holes that are located on the edge of the pilaster. Using a 5 mm drill bit, drill through both walls of the foot tubing. Secure the feet using 4.8 mm x 45 mm screws.

**E**

Press the black cover caps onto the pre-drilled holes.

**12 Mounting Headrail on End Panel**

**A** Set the approximate headrail (with the pre-cut 90° miter against the back wall) on top of the outer panel. Mark the headrail to the length needed. Use a circular saw or jigsaw to cut the headrail to the measured length.



**B** Turn the headrail around and place it over the end panel.




**C** Mark drill holes along the top of the headrail to secure the headrail to the end panel.

**D** Drill the marked holes using a 5 mm drill bit, and then attach the headrail using 4.8 mm x 16 mm rivets.



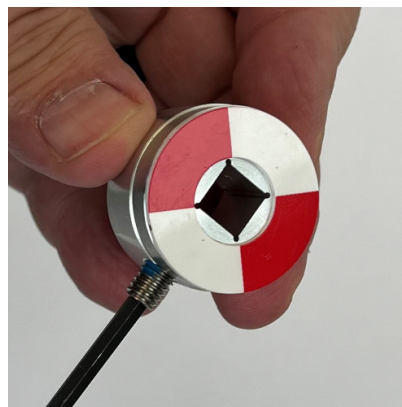


## 13 Mounting Door Latches

 Locate the latch kit number BRO0540504. This latch kit works for all Loft configurations.

**A**

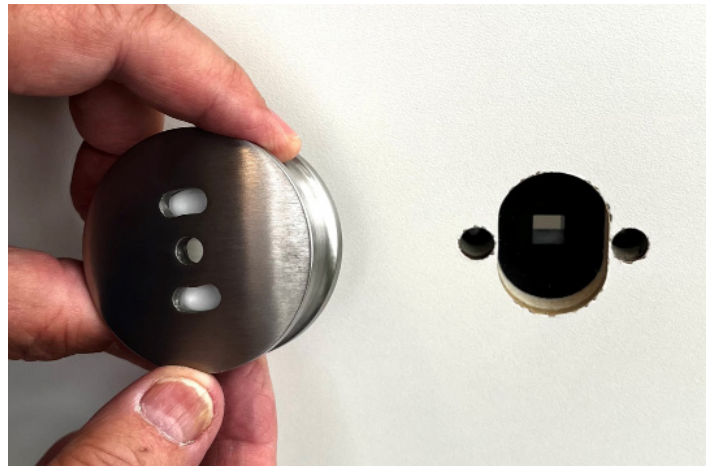
Insert the small set screw into occupancy indicator. This set screw port should be in line with a white field of the occupancy disk. Make sure the set screw is flush with the outside wall of the indicator disk, and the tip does not protrude into the core of the disk. Use a 3mm L-wrench.

**B**

Insert the occupancy indicator into the back of the knob with the set screw positioned in line with the center hole. White should be showing through the knob holes.

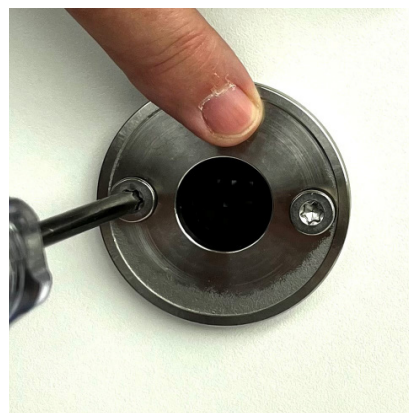
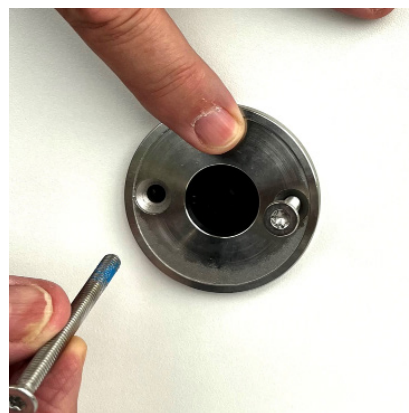


**C** Place the white thin disk on the back of the knob assembly, and place on outside of door, with the three holes facing down



**D**

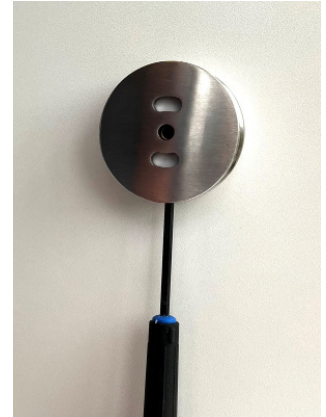
Place the retaining flange on the other side of the door over the latch opening. Thread the large screws into the back of the flange, and into the back of the knob on the other side of the door. Tighten the screws using a T-25 torx wrench.



**E** Locate the groove in the paddle handle brass stem. Face that downward, with the paddle handle vertical. Make sure grey plastic “top hat” bushing is in place at base of stem as shown. Assemble the paddle handle into the inside opening in the door. This should be inside the stall. Push all the way in.



**F** While keeping pressure against the paddle handle tight against the door, tighten the set screw in the indicator disk through the middle hole found at the bottom of the knob. This is to fix the paddle handle to the latch assembly. Use a 3mm Allen wrench.



**G** Test by rotating the paddle handle towards the edge of the door and back. This should move the locking latch in and out of the mortise lock of the door.





Use a 4mm Allen wrench as an emergency egress tool to unlock the latch from the outside of the stall.





**14 Mounting Hooks & Bumpers**

**A** Mark the location for the hook on the inside of the door (300 mm from the top edge and center of the door).



**B** Pre-drill the hook mounting holes using a 4 mm drill bit. Only drill through the first wall of the door, not the entire door.



**C** Insert the supplied rivets (4 mm x 16 mm) into the top pre-drilled mounting hole.



**D** Use a rivet gun to attach the hook to the mounting hole.

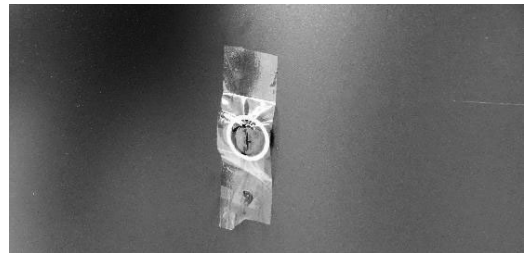
**E** Use a level to verify the hook is level, and then drill and rivet the second hole in the hook.



- F** Attach the door bumper to the inside pilaster using HB45 construction adhesive or equivalent.



- G** Use tape to hold the door bumper in place until the adhesive dries.



# FRACTION-DECIMAL CONVERSION CHART

		INCHES	MILLIMETERS			INCHES	MILLIMETERS
	$\frac{1}{64}$	.015625	.3969		$\frac{33}{64}$	.515625	13.096
$\frac{1}{32}$		.03125	.7938	$\frac{17}{32}$		.53125	13.493
	$\frac{3}{64}$	.046875	1.1906		$\frac{35}{64}$	.546875	13.890
$\frac{1}{16}$		.0625	1.5875	$\frac{9}{16}$		.5625	14.287
	$\frac{5}{64}$	.078125	1.9844		$\frac{37}{64}$	.578125	14.684
$\frac{3}{32}$		.09375	2.3813	$\frac{19}{32}$		.59375	15.081
	$\frac{7}{64}$	.109375	2.7781		$\frac{39}{64}$	.609375	15.478
$\frac{1}{8}$		.125	3.1750	$\frac{5}{8}$		.625	15.875
	$\frac{9}{64}$	.140625	3.5719		$\frac{41}{64}$	.640625	16.271
$\frac{5}{32}$		.15625	3.9688	$\frac{21}{32}$		.65625	16.668
	$\frac{11}{64}$	.171875	4.3656		$\frac{43}{64}$	.671875	17.065
$\frac{3}{16}$		.1875	4.7625	$\frac{11}{16}$		.6875	17.462
	$\frac{13}{64}$	.203125	5.1594		$\frac{45}{64}$	.703125	17.859
$\frac{7}{32}$		.21875	5.5563	$\frac{23}{32}$		.71875	18.256
	$\frac{15}{64}$	.234375	5.9531		$\frac{47}{64}$	.734375	18.653
$\frac{1}{4}$		.250	6.3500	$\frac{3}{4}$		.750	19.050
	$\frac{17}{64}$	.265625	6.7469		$\frac{49}{64}$	.765625	19.447
$\frac{9}{32}$		.28125	7.1438	$\frac{25}{32}$		.78125	19.843
	$\frac{19}{64}$	.296875	7.5406		$\frac{51}{64}$	.796875	20.240
$\frac{5}{16}$		.3125	7.9375	$\frac{13}{16}$		.8125	20.6375
	$\frac{21}{64}$	.328125	8.3344		$\frac{53}{64}$	.828125	21.0345
$\frac{11}{32}$		.34375	8.7313	$\frac{27}{32}$		.84375	21.431
	$\frac{23}{64}$	.359375	9.1282		$\frac{55}{64}$	.859375	21.8282
$\frac{3}{8}$		.375	9.5250	$\frac{7}{8}$		.875	22.2251
	$\frac{25}{64}$	.390625	9.9219		$\frac{57}{64}$	.890625	22.6220
$\frac{13}{32}$		.40625	10.3188	$\frac{29}{32}$		.90625	23.0188
	$\frac{27}{64}$	.421875	10.7157		$\frac{59}{64}$	.921875	23.4157
$\frac{7}{16}$		.4375	11.1125	$\frac{15}{16}$		.9375	23.8126
	$\frac{29}{64}$	.453125	11.5094		$\frac{61}{64}$	.953125	24.2095
$\frac{15}{32}$		.46875	11.9063	$\frac{31}{32}$		.96875	24.6063
	$\frac{31}{64}$	.484375	12.3032		$\frac{63}{64}$	.984375	25.0032
$\frac{1}{2}$		.500	12.7001	$\frac{1}{1}$		1.000	25.4001

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