





Domed or flat-top steel bollards are offered with or without Alaska yellow cedar surround. Marine Teak or Purpleheart is optional. Cast iron adorned bollards feature ball-tops, and additional decorative rings can be specified. Rings for attaching chain are available on most models. A hole cover is available for removable bollards. Ten standard and nearly 200 special designer colors are available.

TimberForm Metal Bollards	Model	Diameter	Height	Mounting
Metal Bollard	2190	5" [125mm]	3' 0" [915mm]	-E*, -P or -R
Metal Bollard with Surround	2191²	7" [180mm]	3' 0" [915mm]	-E*, -P or -R
	2192²	7" [180mm]	2' 9" [840mm]	-E*, -P or -R
Metal Bollard	2193³	5" [125mm]	3' 0" [915mm]	-E*, -P or -R
Metal Bollard with Surround	2194^{2,3}	7" [180mm]	3' 0" [915mm]	-E*, -P or -R
	2195^{2,3}	7" [180mm]	2' 9" [840mm]	-E*, -P or -R
Metal Bollard	2196⁴	5" [125mm]	3' 0" [915mm]	-E*, -P or -R
Metal Bollard with Surround	2197^{2,4}	7" [180mm]	3' 0" [915mm]	-E*, -P or -R
	2198^{2,4}	7" [180mm]	2' 9" [840mm]	-E*, -P or -R
Metal Bollard with Ball Top	2199-01⁶	8" [205mm]	3' 6" [1065mm]	-E*, -P or -R
Metal Bollard with Directional Arrow	2551-3⁷	5" [125mm]	3' 3" [990mm]	-E*

-E Add this suffix for embedment (permanent) mounting option.

-P¹ Add this suffix for pedestal (fixed surface) mounting option (anchoring bolts by others).

-R⁶ Add this suffix for removable mounting option.

Material: Powder-coated 4.5" O.D. Schedule 40 steel pipe. Models **2191, 2192, 2194, 2195, 2197** and **2198** include kiln-dried 8/4 patterned Alaska yellow cedar wood surround. Models **2199-01** thru **2199-05** include cast iron decorative ball top and round rings.

Options: Mounting method, coating color and Marine Teak or Purpleheart wood surround. Chain can be supplied for 2193-2198, 2199-02 and 2199-05. Indicate lengths required.

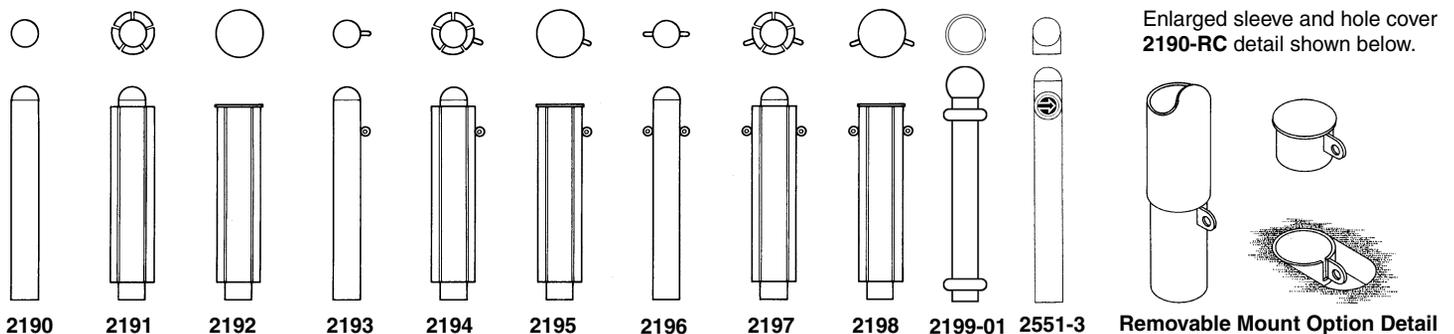
Notes: *Supplied as standard for embedment (permanent) mounting.

¹ Pedestal mount option includes matching base cover. ² Includes kiln-dried 8/4 patterned Alaska yellow cedar wood surround. ³ Includes single eye-ring for chain attachment. ⁴ Includes two eye-rings for chain attachment.

⁵ Model **2199-01** is also available with eye-rings for chain attachment. Specify Model **2199-02** with one eye-ring (top). Model **2199-03** with two eye-rings (top). Model **2199-04** with two eye-rings (one top and one bottom). Model **2199-05** with four eye-rings (two top and two bottom).

⁶ A hole cover is available for removable bollards. Specify Model **2190-RC**.

⁷ When ordering, indicate arrow direction using analog clock settings ("3" Three o'clock position is shown).



Enlarged sleeve and hole cover **2190-RC** detail shown below.

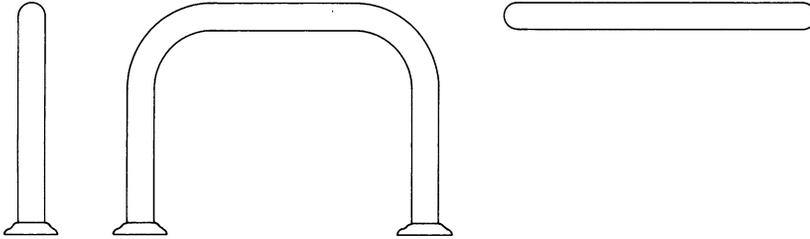
Removable Mount Option Detail

TimberForm Metal Bollards	Model	Length	Width	Height	Mounting
Wide Metal Bollard	2541	4' 5" [1345mm]	5" [125mm]	3' 3" [990mm]	-E* or -P

-E Add this suffix for embedment (permanent) mounting option.

-P Add this suffix for pedestal (fixed surface) mounting option (anchoring bolts by others).

- Material:** Powder-coated 4.5" O.D. Schedule 40 steel pipe.
Options: Mounting method and powder-coating color.
Notes: Includes matching base covers, as shown below, on **-P** pedestal mounting option only.
 * Supplied as standard for embedment (permanent) mounting.



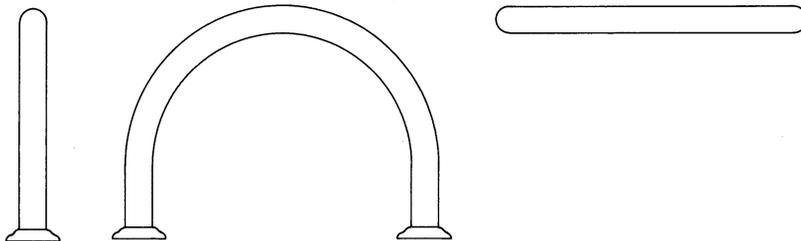
2541

TimberForm Metal Bollards	Model	Length	Width	Height	Mounting
Arched Metal Bollard	2542	4' 5" [1345mm]	5" [125mm]	3' 3" [990mm]	-E* or -P

-E Add this suffix for embedment (permanent) mounting option.

-P Add this suffix for pedestal (fixed surface) mounting option (anchoring bolts by others).

- Material:** Powder-coated 4.5" O.D. Schedule 40 steel pipe.
Options: Mounting method and powder-coating color.
Notes: Includes matching base covers, as shown below, on **-P** pedestal mounting option only.
 * Supplied as standard for embedment (permanent) mounting.



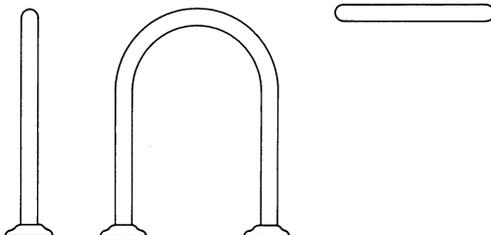
2542

TimberForm Metal Bollards	Model	Length	Width	Height	Mounting
Loop Metal Bollard	2545	2' 3" [685mm]	3" [75mm]	3' 2" [965mm]	-E* or -P

-E Add this suffix for embedment (permanent) mounting option.

-P Add this suffix for pedestal (fixed surface) mounting option (anchoring bolts by others).

- Material:** Powder-coated 2.875" O.D. Schedule 40 steel pipe.
Options: Mounting method and powder-coating color.
Notes: Includes matching base covers, as shown below, on **-P** pedestal mounting option only.
 * Supplied as standard for embedment (permanent) mounting.



2545

Mounting Options: **-E** Add this suffix for embedment (permanent) mounting option. **-P** Add this suffix for pedestal (fixed surface) mounting option (anchoring bolts by others).

For product information or design assistance, please contact your local representative or call us at 1-800/547-1940, Ext. 991.

PipeLeaners are a unique short-term leaning-while-waiting device which double as pedestrian/traffic dividers. Model 2181 is supplied with Alaska yellow cedar surround; Marine Teak or Purpleheart is optional. Eight standard and nearly 200 special designer colors are available.

Metal Signs are available in a wide range of heights and lengths. Two sizes are illustrated here. Steel sign panels accept self-adhesive vinyl lettering or graphics.



TimberForm PipeLearner	Model	Length	Width	Height	Seat Height	Mounting
PipeLearner	2180-6	6' 5" [1955mm]	5" [125mm]	2' 7" [785mm]	2' 7" [785mm]	-E* or -P
	2180-8	8' 5" [2565mm]	5" [125mm]	2' 7" [785mm]	2' 7" [785mm]	-E* or -P
PipeLearner with Surround	2181-6	6' 5" [1955mm]	8" [205mm]	2' 8" [815mm]	2' 8" [815mm]	-E* or -P
	2181-8	8' 5" [2565mm]	8" [205mm]	2' 8" [815mm]	2' 8" [815mm]	-E* or -P

-E Add this suffix for embedment (permanent) mounting option.

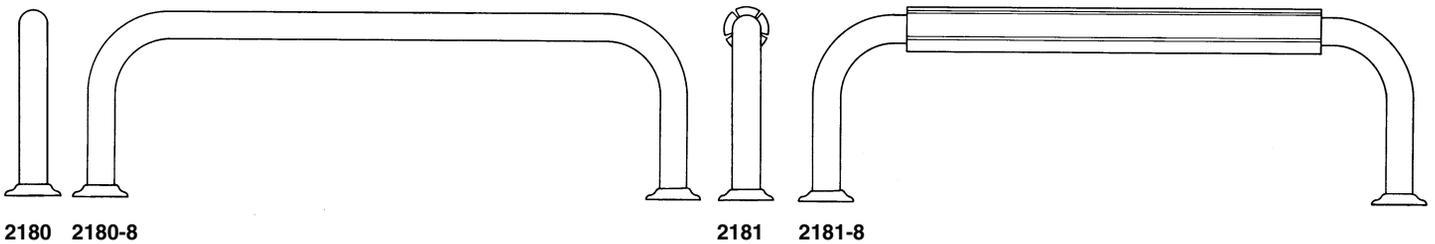
-P Add this suffix for pedestal (fixed surface) mounting option (anchoring bolts by others).

Material: Powder-coated 4.5" O.D. Schedule 40 steel pipe. Model **2181** includes kiln-dried 8/4 patterned Alaska yellow cedar wood surround.

Options: Mounting method, powder coating color and Marine Teak or Purpleheart wood surround.

Notes: Includes matching base covers, as shown below, on -P pedestal mounting option only.

* Supplied as standard for embedment (permanent) mounting.



TimberForm Metal Signs	Style	Model	Length	Width	Height	Sign Panel	Mounting
Metal Sign	Arched	2185-4	4' 7" [1395mm]	5" [125mm]	3' 4" [1015mm]	2' 3" x 3' 6" [685 x 1065mm]	-E* or -P
Metal Sign	Rectangular	2186-4	4' 7" [1395mm]	5" [125mm]	3' 4" [1015mm]	2' 0" x 3' 6" [610 x 1065mm]	-E* or -P

-E Add this suffix for embedment (permanent) mounting option.

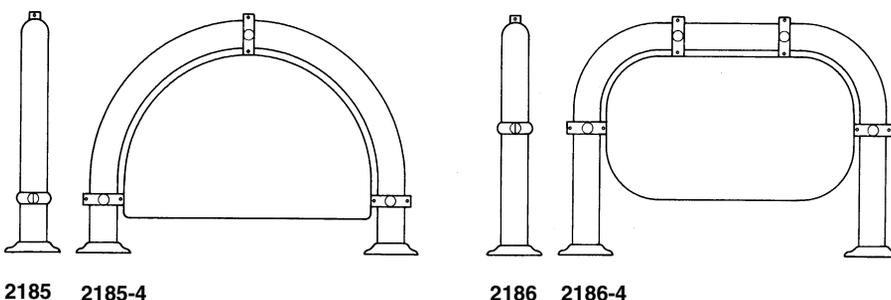
-P Add this suffix for pedestal (fixed surface) mounting option (anchoring bolts by others).

Material: Powder-coated 4.5" O.D. Schedule 40 steel pipe and steel sign panel.

Options: Mounting method, coating color and wood sign panel. Other lengths and heights available. We can apply graphics on metal sign panels or carve wood sign panels per your specifications.

Notes: Includes matching base covers, as shown below, on -P pedestal mounting option only. Color coated metal sign panels are a preferred base for self-adhesive applied vinyl lettering or graphics.

* Supplied as standard for embedment (permanent) mounting.





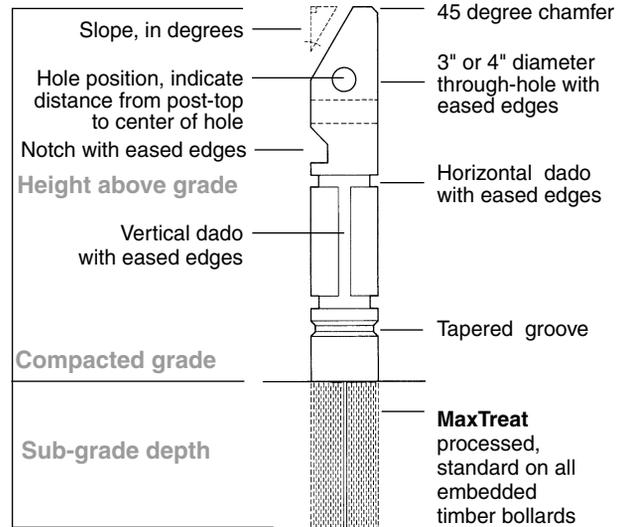
This collection depicts the finest timber bollards available in the world today. Most designs can be made from nominal 8 x 8 (7-1/4" x 7-1/4" net) or 12 x 12 (11-1/4" x 11-1/4" net) free-of-heart-center (F.O.H.C.) Douglas fir timbers. Supplied square or lathe-turned full-length to a constant diameter, these sculpted timbers are offered in (exposed) heights above grade of 2'6", 3'0" and 3'6". Other heights are available.

When specified in the standard direct-burial form, timber bollards are supplied with an additional two feet of length for embedment purposes. All TimberForm wood bollards are pressure treated with preservative after receiving the **MaxTreat™** preservative enhancement process on flat surfaces which will be at or below grade. See lexicon at right for technical details.

Removable bollards, for use as roadway or path barriers are furnished with a pavement socket and are suitable for use with a standard padlock (not included). A hole cover is offered for those times when the bollard is removed.

Custom timber bollards from your design can be produced to TimberForm quality standards. Using the lexicon shown at right, communicate your design ideas to your local TimberForm representative or to our design headquarters.

The TimberForm Timber Bollard Lexicon



TimberForm Timber Bollards	Model Number	Nominal Timber Size	Height	Mounting
Timber Bollard with Directional Arrow	2553-3¹	6 x 6 [150 x 150mm]	2' 10" [865mm]	-E*
	-E Add this suffix for embedment (permanent) mounting.			



2553-3

Material: Seasoned free-of-heart-center Douglas fir timbers, square embedded timber ends **MaxTreat** processed prior to preservative treatment after **all fabrication completed**.

Notes: * Supplied as standard for embedment (permanent) mounting.

¹ When ordering, indicate arrow direction using analog clock settings ("3" Three o'clock position is shown).

TimberForm Timber Bollards	Model Numbers	Nominal Timber Size	Height	Mounting
Timber Bollard	Even Model Numbers	12 x 12 [305 x 305mm]	2' 6", 3' 0" or 3' 6" [760, 915 or 1065mm]	-E* or -R
	Odd Model Numbers	8 x 8 [205 x 205mm]	2' 6", 3' 0" or 3' 6" [760, 915 or 1065mm]	-E* or -R
	-E Add this suffixed for embedment (permanent) mounting option. -R¹ Add this suffix for removable mounting option. -LT² Add this suffix for lathe-turned (round) option.			

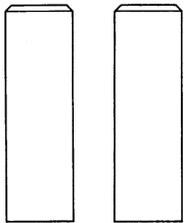
Material: Seasoned free-of-heart-center Douglas fir timbers, square embedded timber ends **MaxTreat** processed prior to pressure preservative treatment after **all fabrication completed**.

Options: Bollard height, mounting method and lathe-turning.

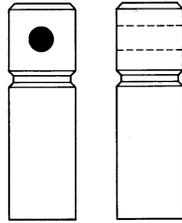
Notes: * Supplied as standard for embedment (permanent) mounting.

¹ A hole cover is available for removable bollards. Specify Model **2500-RC**. Removable mount not offered in the 2' 6" [760mm] height on Models **2564, 2565, 2572, 2573, 2592** and **2593**.

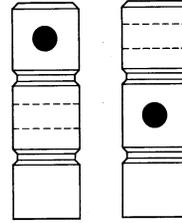
² Lathe-turning not available for models **2584** through **2599**.



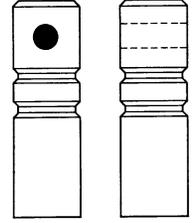
2560 12 x 12
2561 8 x 8



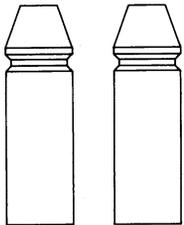
2562 12 x 12
2563 8 x 8



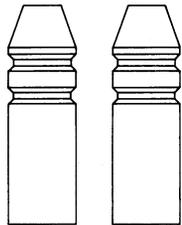
2564 12 x 12
2565 8 x 8



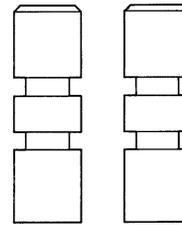
2566 12 x 12
2567 8 x 8



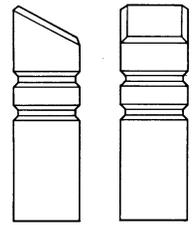
2568 12 x 12
2569 8 x 8



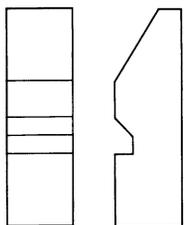
2570 12 x 12
2571 8 x 8



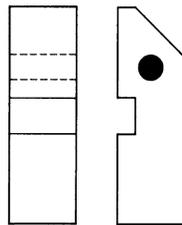
2572 12 x 12
2573 8 x 8



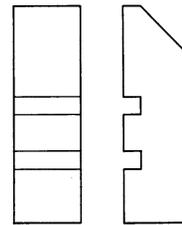
2584 12 x 12
2585 8 x 8



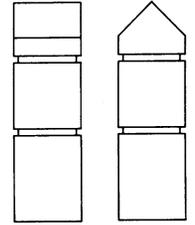
2586 12 x 12
2587 8 x 8



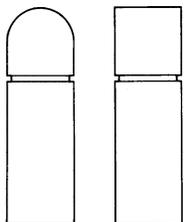
2588 12 x 12
2589 8 x 8



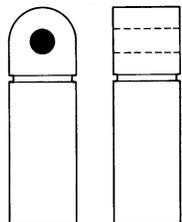
2590 12 x 12
2591 8 x 8



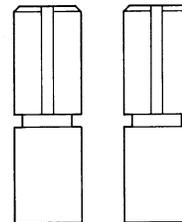
2592 12 x 12
2593 8 x 8



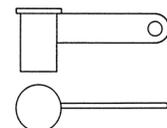
2594 12 x 12
2595 8 x 8



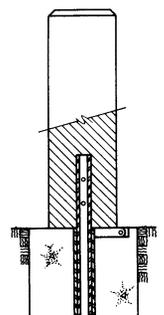
2596 12 x 12
2597 8 x 8



2598 12 x 12
2599 8 x 8



2500-RC
 Hole Cover
 (enlarged detail)



2560-3-R
 Removable
 Mount option