



DO NOT FEAR THE MONSTER ROLLS

Heavy Steel Plate Rolling

Cold Rolled to 7" Thick, Hot Rolled to 12" Thick



edmonton exchanger
group of companies

Steel Plate Rolling to 12" Thick

Edmonton Exchanger is pleased to introduce the Davi "Monster Rolls", our newest and largest steel plate rolling machine. The machine is the largest of its kind in North America, and enables us to hot roll plate up to 12" thick. It is supported by a 100 ton overhead crane which spans the length of the shop.

Our five sets of plate rolls are used to roll steel plate into shells, rolled rings, cones (both eccentric and concentric) and repads. These components can be fabricated from our own plate inventory or from customer supplied material.

Dimensional Rolling Capacities

Minimum Diameter: 16" (406 mm) I.D.

Maximum Thickness: cold rolled 7" (177.80 mm), hot rolled 12" (304.80 mm)

Maximum Length: 144" (3,658 mm)

The chart (below, right) illustrates variables for guideline purposes only. As diameters increase, lengths can increase up to 12'-0". Shells are rolled to ASME code specifications and are usually rolled to our own head strappings, however we will also roll to customer supplied head strapping dimensions.



Shells can be supplied with square cut or beveled circumferential and long seams. Long seams can be provided tack welded or fully welded. We can also provide welded circumferential seams by welding together multiple courses.

Concentric cones can be rolled up to a thickness of 4" (101.60 mm) and a length of 10'-0" (3,048 mm). Diameters can be from 24" (610 mm) O.D. to 168" (4,267 mm) O.D. They are rolled in one piece with only one long seam when plate layout allows it.

We can provide the cones square cut or beveled with long seams tack welded or fully welded. Eccentric cones can be rolled up to a thickness of 1" (25.40 mm) and a height of 48" (1,219 mm).

Components rolled from our steel plate inventory are accompanied by Mill Test Certificates. In the case of hot rolled items, Furnace Heat Charts can be provided upon request. Fully welded shells and cones come complete with necessary nondestructive examination and the applicable inspection forms.



Thickness		Diameter		Length
7/8"	x	18" O.D.	x	10'-0"
1 1/4"	x	18" O.D.	x	4'-0"
1/2"	x	20" O.D.	x	12'-0"
1"	x	20" O.D.	x	10'-0"
2"	x	20" O.D.	x	3'-0"
3/4"	x	24" O.D.	x	12'-0"
2 3/4"	x	24" O.D.	x	10'-0"
3"	x	24" O.D.	x	6'-0"
3 1/2"	x	30" I.D.	x	10'-0"
4 1/2"	x	30" I.D.	x	6'-0"
6 1/8"	x	48" I.D.	x	12'-0"
7"	x	60" I.D.	x	12'-0"
10"	x	72" I.D.	x	12'-0"
11"	x	84" I.D.	x	10'-0"
12"	x	90" I.D.	x	8'-0"

The chart above is for guideline purposes only

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