

Pressure Vessel

THIS SIZE SCHEDULE SHOWS:

- XLERPLATE® steel sections (W x T) available for XLERPLATE® steel pressure vessel grades. Refer table (next page) for permissible length range.
- The minimum (top) and maximum (bottom) rolled lengths for a given plate section (W x T).
- Trimmed edge condition.
- Orders to be in multiples of rolled lengths as demonstrated in the examples below:

		THICKNESS (m)										
		(4.0m minimum plate length)										
WIDTH mm	5	6	8	10	12	14	16	18	20	22	25	28
1600					33.2	28.5	24.9	22.3	20.1	18.3	16.1	14.4
					36.0	36.0	36.6	35.8	32.4	29.5	26.1	23.3
1700					31.4	27.0	23.7	21.1	19.0	17.3	15.2	13.6
					36.0	36.0	36.6	34.1	30.6	27.9	24.7	22.0
1800				35.5	29.7	25.6	22.4	19.9	18.0	16.4	14.4	12.9
				36.0	36.0	36.0	36.2	32.2	29.0	26.5	23.4	20.8
1900				33.7	28.3	24.3	21.2	18.9	17.1	15.5	13.7	12.2
				36.0	36.0	36.0	34.4	30.6	27.7	25.2	22.2	19.9
2000			31.8	32.2	27.0	23.2	20.2	18.0	16.3	14.8	13.1	11.6
			36.0	36.0	36.0	36.0	32.9	29.3	26.4	24.0	21.2	18.9
2100			30.4	30.8	25.8	22.1	19.3	17.3	15.5	14.2	12.5	11.1
			36.0	36.0	36.0	36.0	31.4	28.0	25.2	22.9	20.2	18.1
2200			29.1	29.5	24.7	21.2	18.5	16.5	14.9	13.5	11.9	10.6
			36.0	36.0	36.0	34.2	30.1	26.8	24.1	22.0	19.3	17.0

Example 1

(1800mm x 12mm)

29.7m Minimum Rolled Length

36.0m Maximum Rolled Length

Say 1800mm x 12mm x 6.0m XLERPLATE® steel is required

6.0m x **5 plates** = 30.0m (*within rolled length range*)

6.0m x **6 plates** = 36.0m (*within rolled length range*)

Therefore, XLERPLATE® steel in this size is only to be ordered in multiples of either **5** or **6** plates.

eg. 10, 12, 15, 18, 20, 24, 25 plates etc.

For example, if 6.0m XLERPLATE® steel is required, either 5 or 6 plates can be obtained from each rolled length.

Example 2

(1950mm x 17mm)

Intermediate or non-preferred width and thickness

The rolled length range for intermediate width/thickness is determined as follows:

- Minimum = longest of the minimum lengths for the nearest preferred sizes. In this example, 21.2m is the longest of the minimum lengths (21.2, 20.2, 18.9, 18.0).
- Maximum = shortest of the maximum lengths for the nearest preferred sizes. In this example, 29.3m is the shortest of the maximum lengths (34.4, 32.9, 30.6, 29.3).

Therefore, for 1950mm x 17mm XLERPLATE® steel the length multiples must fall between 21.2m and 29.3m

Say (1950mm x 17mm x 6.0m) XLERPLATE® steel is required:

6.0m x **4** = 24.0m (*within rolled length range*)

6.0m x **5** = 30.0m (*outside rolled length range*)

Thus, XLERPLATE® steel in this size is only to be ordered in multiples of **4**: eg. 8, 12, 16, 20 plates etc.

Pressure Vessel Size Schedule 4

AS1548-7-460 GRADES THICKNESS (mm)

AS1548-7-460R 6 – 80

AS1548-7-460TL20 10 – 40

THICKNESS (mm)																						
(4.0m minimum plate length)														(2.4m minimum plate length)								
WIDTH mm	5	6*	8*	10	12	14	16	18	20	22	25	28	30	32	36	40	45	50	55	60	70	80
1600					33.2	28.5	24.9	22.3	20.1	18.3	16.1	14.4	13.4	12.6	11.3	10.2	9.1	8.2	7.4	6.8	5.8	5.0
					36.0	36.0	36.6	35.8	32.4	29.5	26.1	23.3	21.8	20.4	18.3	16.6	14.8	13.3	12.1	11.1	9.5	8.3
1700					31.4	27.0	23.7	21.1	19.0	17.3	15.2	13.6	12.6	11.9	10.6	9.6	8.6	7.7	7.0	6.4	5.4	4.7
					36.0	36.0	36.6	34.1	30.6	27.9	24.7	22.0	20.6	19.3	17.3	15.7	13.9	12.6	11.4	10.5	8.9	7.8
1800				35.5	29.7	25.6	22.4	19.9	18.0	16.4	14.4	12.9	12.0	11.2	10.1	9.1	8.1	7.3	6.6	6.0	5.1	4.5
				36.0	36.0	36.0	36.2	32.2	29.0	26.5	23.4	20.8	19.5	18.3	16.4	14.8	13.2	11.9	10.8	9.9	8.4	7.3
1900				33.7	28.3	24.3	21.2	18.9	17.1	15.5	13.7	12.2	11.4	10.7	9.6	8.6	7.7	6.9	6.2	5.7	4.9	4.2
				36.0	36.0	36.0	34.4	30.6	27.7	25.2	22.2	19.9	18.5	17.4	15.6	14.1	12.5	11.3	10.2	9.4	8.0	6.9
2000			31.8	32.2	27.0	23.2	20.2	18.0	16.3	14.8	13.1	11.6	10.8	10.1	9.1	8.2	7.3	6.6	5.9	5.4	4.6	4.0
			36.0	36.0	36.0	36.0	32.9	29.3	26.4	24.0	21.2	18.9	17.7	16.6	14.8	13.4	11.9	10.7	9.7	8.9	7.6	6.6
2100			30.4	30.8	25.8	22.1	19.3	17.3	15.5	14.2	12.5	11.1	10.3	9.7	8.6	7.8	6.9	6.2	5.6	5.2	4.4	3.8
			36.0	36.0	36.0	36.0	31.4	28.0	25.2	22.9	20.2	18.1	16.9	15.8	14.2	12.8	11.4	10.2	9.3	8.5	7.2	6.3
2200			29.1	29.5	24.7	21.2	18.5	16.5	14.9	13.5	11.9	10.6	9.8	9.2	8.2	7.5	6.6	5.9	5.4	4.9	4.2	3.6
			36.0	36.0	36.0	34.2	30.1	26.8	24.1	22.0	19.3	17.3	16.1	15.1	13.5	12.2	10.8	9.7	8.8	8.1	6.9	6.0
2300			27.9	28.3	23.7	20.3	17.8	15.7	14.2	12.9	11.3	10.1	9.4	8.9	7.9	7.2	6.3	5.7	5.1	4.7	4.0	3.5
			36.0	36.0	36.0	32.9	29.0	25.7	23.1	21.1	18.5	16.6	15.5	14.5	13.0	11.7	10.3	9.3	8.5	7.7	6.6	5.7
2400		28.1	26.8	27.2	22.8	19.5	17.0	15.1	13.6	12.4	10.9	9.7	9.0	8.5	7.6	6.9	6.1	5.4	4.9	4.5	3.8	3.3
		30.0	36.0	36.0	36.0	31.6	27.7	24.6	22.2	20.2	17.8	15.9	14.8	13.9	12.4	11.2	9.9	8.9	8.1	7.4	6.3	5.5
2500		27.1	25.8	26.2	21.9	18.8	16.3	14.5	13.1	11.9	10.4	9.3	8.7	8.1	7.3	6.6	5.8	5.2	4.7	4.3	3.7	3.2
		30.0	35.0	35.0	35.5	30.4	26.7	23.7	21.3	19.4	17.1	15.2	14.2	13.3	11.9	10.8	9.5	8.5	7.8	7.1	6.0	5.2
2600		26.1	24.9	25.2	21.1	18.0	15.7	14.0	12.6	11.4	10.0	9.0	8.3	7.8	7.0	6.3	5.6	5.0	4.5	4.1	3.5	3.0
		28.8	34.0	34.0	34.1	29.3	25.7	22.8	20.5	18.7	16.4	14.7	13.7	12.8	11.4	10.3	9.2	8.2	7.5	6.8	5.8	5.0
2700		25.1	24.0	24.4	20.4	17.4	15.1	13.4	12.1	11.0	9.6	8.6	8.0	7.5	6.7	6.1	5.4	4.8	4.4	4.0	3.4	2.9
		28.8	30.0	33.3	32.9	28.3	24.8	22.0	19.8	18.0	15.8	14.1	13.2	12.3	11.0	10.0	8.8	7.9	7.2	6.5	5.6	4.8
2800		24.2	23.2	23.6	19.6	16.8	14.6	12.9	11.7	10.6	9.3	8.3	7.7	7.2	6.5	5.9	5.2	4.6	4.2	3.8	3.2	2.9
		28.0	29.8	33.0	31.9	27.3	23.9	21.2	19.1	17.4	15.3	13.6	12.7	11.9	10.6	9.6	8.5	7.6	6.9	6.3	5.4	4.7
2900		23.4	22.4	22.8	19.0	16.2	14.1	12.5	11.3	10.3	9.0	8.0	7.5	7.0	6.2	5.7	5.0	4.5	4.0	3.7	3.1	3.0
		27.6	28.8	33.0	30.8	26.4	23.1	20.5	18.4	16.7	14.7	13.1	12.3	11.5	10.2	9.3	8.2	7.3	6.7	6.1	5.2	4.5
3000		22.6	21.6	22.1	18.4	15.7	13.6	12.1	10.9	9.9	8.7	7.7	7.2	6.8	6.0	5.5	4.8	4.3	3.9	3.6	3.1	3.1
		26.8	28.8	33.0	29.9	25.6	22.4	19.9	17.9	16.2	14.3	12.7	11.9	11.1	9.9	9.0	7.9	7.1	6.4	5.9	5.0	4.3
3100		21.9	21.0	21.4	17.8	15.1	13.3	11.7	10.6	9.6	8.4	7.5	7.0	6.5	5.8	5.3	4.7	4.2	3.8	3.4	3.2	3.2
		26.0	28.8	28.8	28.9	24.8	21.7	19.3	17.3	15.7	13.8	12.3	11.5	10.7	9.6	8.7	7.7	6.9	6.2	5.7	4.8	4.2
3200				20.8	17.2	14.6	12.8	11.4	10.2	9.3	8.1	7.3	6.8	6.3	5.6	5.1	4.5	4.0	3.7	3.3	3.3	3.3
				25.0	28.1	24.0	21.0	18.7	16.8	15.2	13.4	11.9	11.1	10.4	9.3	8.4	7.4	6.7	6.0	5.5	4.7	4.1

NOTES:

- All thicknesses are supplied as 'trimmed edge'.
- Maximum XLERPLATE® steel length available is 18.3m, or the maximum rolled length, whichever is lesser. XLERPLATE® steel or multiples thereof are only available if they fall within the rolled length range shown.
- Other XLERPLATE® steel thicknesses up to 100mm may be available by enquiry.

*Minimum order requirement for each item is 10 tonnes.

Subject to change. Consult www.xlerplate.com.au or email xlerplate@bluescopesteel.com for current information. Standard Range Available. Refer Page 3.

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BIM0412 11/09