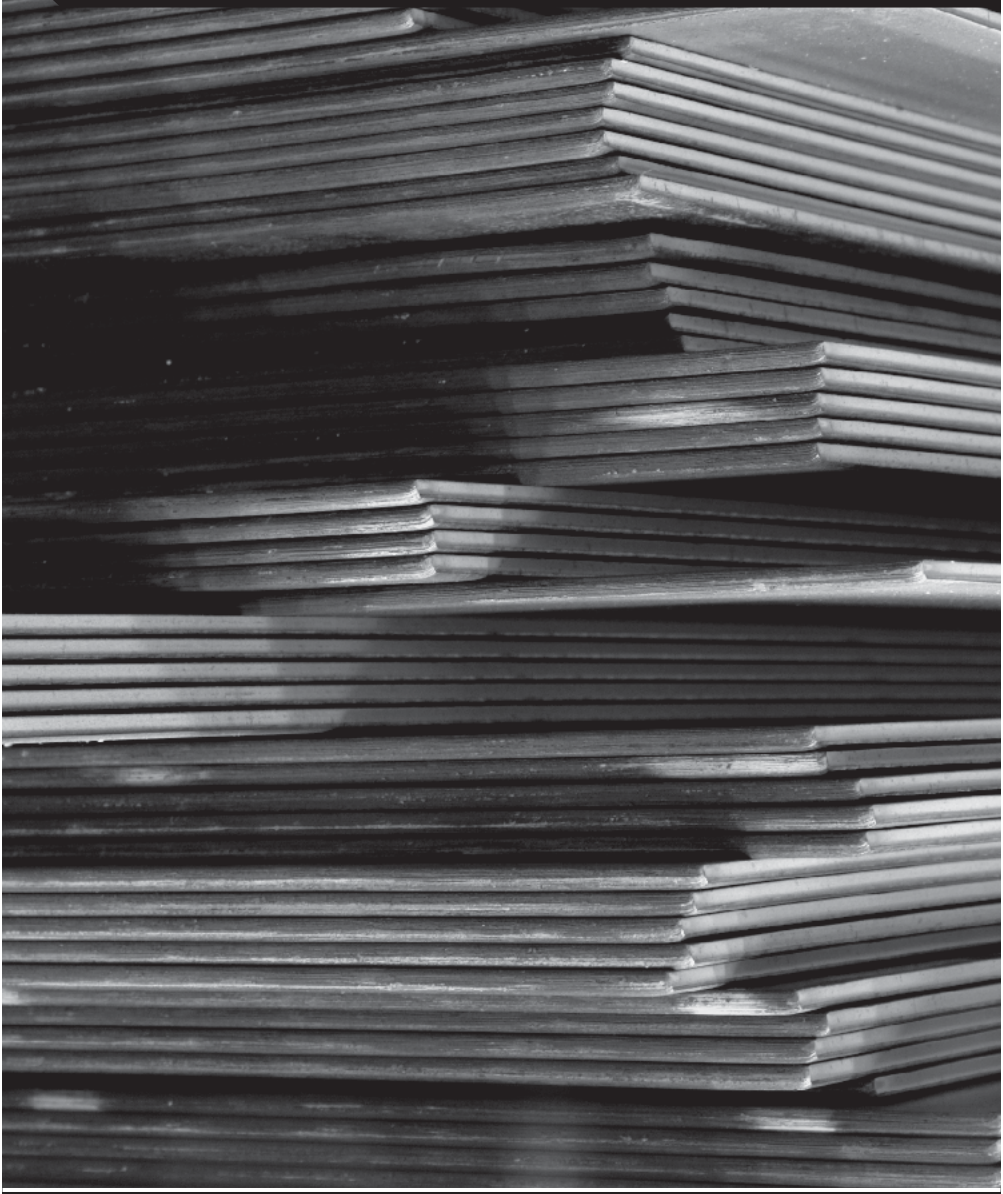
Plate



Plate

Mild Steel Plate

Product Shortname: PL

Specifications:
AS/NZS 1594:2002 HA250
AS/NZS 3678:2011 G250
JIS G3101:2010 SS400
AS/NZS 1594:2002 HA300
AS/NZS 3678:2011 G300

Size Designation: Length (m) x Width (mm) x Thickness (mm)

Sizes:

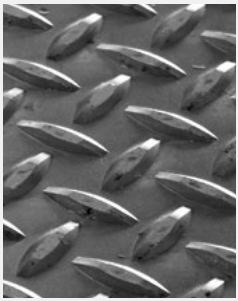
MILD STEEL PLATE (G250 & G300)																				
Length x Width (mm)	Thickness (mm)																			
	3	4	5	6	8	10	12	16	20	25	32	40	50	60	65	80	100	120	130	150
2400 x 1220	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
2700 x 2400																				✓
3000 x 1520	✓	✓	✓	✓	✓	✓														
3100 x 2400																			✓	
3400 x 2400																		✓		
3600 x 1520	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
3600 x 1800	✓	✓		✓	✓															
4000 x 2400																	✓			
5200 x 2400																✓				
5800 x 1800		✓	✓																	
6000 x 1520			✓	✓																
6000 x 2400			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
7600 x 2400				✓																
9000 x 2400				✓		✓														

14mm, 18mm, 22mm & 28mm available on inquiry

Weight Calculation: kilograms per square metre = length (m) x width (m) x plate thickness (mm) x 7.85

Other sizes available on indent.

* Refer to page 98 for Easycut Profiling Service.



Mild Steel Chequer Plate

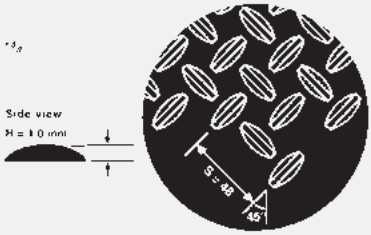
Product Shortname: CHEQ

Specifications: AS/NZS 1594:2002 HA1
AS/NZS 1594:2002 G250 (on indent)

Size Designation: Length (m) x Width (mm) x Thickness (mm)

Plate Pattern: Two plate patterns are available depending on source

Bluescope Steel
(1800mm or 2100mm wide)



New Zealand Steel
(1220mm or 1520mm wide)

Length x width (mm)	Thickness (mm)					
	3	3.2	5	6	8	10
2400 x 1220	✓		✓	✓	✓	✓
3600 x 1520		✓	✓	✓		

Weight Calculation: Extra weight of chequers length (m) x width (m) x 2.1 = kg/plate
Total weight: length (m) x width (m) x thickness (mm) x 7.85 + extra weight = kg/plate

Eg:
2400 x 1220 x 6mm Chequer Plate
Extra weight: 2.4 x 1.22 x 2.1 = 6.15 kg/plate
Total weight: (2.4 x 1.22 x 6 x 7.85) + 6.15 = 144.06 kg/plate

Easysteel offers a full range of flooring products including Plank (p 79), Grating (p 77) and Gridmesh (p 73).
* Refer to page 98 for Easycut Profiling Service.

Plate

Atmospheric Corrosion Resistant Steel Plates (corten)

Product Shortname: **PLME**

Specifications: AS/NZS 1594:2002 HW350
JIS G3125:2010 SPA-H (Weathering Steel)

Size Designation: Length (m) x Width (mm) x Thickness (mm)

Length x width (mm)	Thickness (mm)				
	2.5	3	4	5	6
2500 x 1250	✓	✓	✓	✓	✓
3600 x 1520		✓	✓	✓	

Atmospheric corrosion resistant steel plates are available on an ex-stock and indent basis.

Weight Calculation: kilograms per square metre = length (m) x width (m) x plate thickness (mm) x 7.85

* Other sizes available on indent
* Refer to page 98 for Easycut Profiling Service.

Medium Strength Plate

Product Shortname: **PLME**

Specifications: AS/NZS 3678:2011 G350
JIS G3106:2008 SS490YA

Supplied Conditions: Tensile Strength: 490 ~ 620 MPa, 350MPa Yield Strength
(compared with Mild Steel Plate: 430-540MPa, Tensile Strength: 250MPa Yield Strength)

Size Designation: Length (m) x Width (mm) x Thickness (mm)

Length x width (mm)	Thickness (mm)										
	5	6	8	10	12	16	20	25	32	40	50
6000 x 2400	✓	✓									
6000 x 2500			✓	✓	✓	✓	✓	✓	✓	✓	
7600 x 2400										✓	✓

Weight Calculation: kilograms per square metre = length (m) x width (m) x plate thickness (mm) x 7.85.

Medium strength plate is available on an ex-stock and indent basis.
We offer a cut to size service through our service centres.

* Other sizes available on indent
* Refer to page 98 for Easycut Profiling Service.

Boiler Quality Plate

Product Shortname: PLBO

Specifications: AS 1548:2008 PT460T (6mm only)
AS 1548:2008 PT460NR

Size Designation: Length (m) x Width (mm) x Thickness (mm)

Length x width (mm)	Thickness (mm)												
	6	8	10	12	16	20	25	32	40	50	60	80	100
5400 x 2400									✓				
6000 x 2400	✓	✓	✓	✓	✓	✓	✓						

Other sizes and grades available on indent.

Plate

High Strength Plate Grade 80

Product Shortname: PLHI

Description:
A high strength quenched and tempered plate, Grade 80 is approximately three times stronger than mild steel.

Supplied Conditions:

	Strenx 700MC	Bisalloy 80	JFE HITEN780LE	NSSMC Welten 780E
Yield Strength	700	690	685	686
Tensile Strength	750 - 930	790 - 930	780 - 930	785 - 932
Elongation (16mm)	15% min (3mm)	18%	24%	24%

Size Designation: Length (m) x Width (mm) x Thickness (mm)

Size Range Available:

HIGH STRENGTH PLATES																		
	Length x Width (mm)	Thickness (mm)																
		3	4	5	6	8	10	12	16	20	25	32	40	50	60	65	80	100
Strenx 700 Range	5000 X 1250	✓																
	5000 X 1500		✓															
	6000 x 1500			✓	✓	✓												
	9000 x 1500			✓	✓													
Bis80 / Hiten 780 / Welten 780	6000 X 2500				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	9000 x 2500				✓	✓	✓	✓	✓	✓								
	3000 X 2500																	✓

Weight Calculation: kilograms per square metre = length (m) x width (m) x plate thickness (mm) x 7.85

Note: When fabricating high strength and wear resistant plate special procedures must be followed.
Please contact your local Easysteel branch for further information.

* Refer to page 98 for Easycut Profiling Service.

Wear Resistant Plate Grade 400, Grade 500

Product Shortname: PLWE

Description:
Abrasion resistant steel plate which has a longer life expectancy than mild steel. Abrasion resistant plate offers high resistance to both wear and impact applications. This can be a cost effective choice for equipment subjected to high levels of impact wear.

Supplied Conditions:

GRADE 450	Bisalloy 450	JFE EH450	NSSMC Abrex 450
Tensile	1320	1316	1325
Elongation	14%	19.8%	25%
Hardness (HB)	425-450	425-450	410-490 (aiming 450)

GRADE 500	Bisalloy 500	JFE EH500	NSSMC Abrex 500
Tensile	1640	1449	1552
Elongation	10%	17.7%	21%
Hardness (HB)	477 - 534	477 min	450 - 550

Size Designation: Length (m) x Width (mm) x Thickness (mm)

Size Range Available:

Thickness:	4mm to 40mm
Widths:	2500mm
Length:	6000mm

Weight Calculation: kilograms per square metre = length (m) x width (m) x plate thickness (mm) x 7.85

Note: When fabricating high strength and wear resistant plate special procedures must be followed.
Please contact your local Easysteel branch for further information.

* Refer to page 98 for Easycut Profiling Service.

Plate

Structural Steel Plate INTERNATIONAL STANDARDS COMPARISON

AUSTRALIAN AS 3678	EUROPEAN* EN10025	BRITISH* BS 4360	GERMAN* DIN 17100	JAPANESE JIS	AMERICAN ASTM	INTER-NATIONAL ISO 630	Tensile Strength (MPa)
							290
200			St33				300
					A283A	Fe310-0	310
				G3101-SS330			330
	S235JR	40A,B **C,D**	St37-**2** St37-**3**		A2383B	Fe360 A, B, **C, D**	360
					A283C		380
				G3101-SS400 G3106-SM400 A, B, C	A36 A573-400		400
250 250L15	S275JR S275J0 S275J**2G3** S275J**254**		St44-**2** St44-**3**		A283D A284C A529 A572-290		410
300, 300**L15**	Fe430B, C, D1, D2	43A, B, **C, D**			A633A	Fe430A, B, **C, D**	430
350 350L15					A573-450 A572-345		450
400, 400**L15**					A573-485		480
	S355JR S355J0 S355J**2G3** S355J**2G4**	50A, B, **C, D**	St52-3	G3101-SS490 G3106-SM490 A, **B, C** G3106-SM490 YA, YB		Fe510 B, **C, D**	490
450 450**L15**				G3106-SM520 **B,C**	A572-415	Fe510 B,**C,D**	520
				G3101-SS540			540

1. This table indicates the approximate relationship between Australian grades and their international counterparts.
2. Grades are shown in their increasing tensile strength order. In the case of American ASTM Standards some grades are also shown in the increasing yield strength (YS) order, as their position in the hierarchy is different when based on the yield strength compare to tensile strength (TS).

* EN10025 has replaced BS4360 and DIN17100 Standards.

3. For grades with **BOLD** suffix letters C, D on British, European and International Standards, B, C on Japanese Standards and suffix numbers 2 and 3 on German Standards, the appropriate Australian alternative is the nearest L15 grade of the equivalent strength level (ie High or Medium).
4. Grades readily available are highlighted in black.
5. The grade/s within the same colour band show generally acceptable alternatives, provided relevant design factors are considered. Refer to your Easysteel representative.

Boiler Quality Plate INTERNATIONAL STANDARDS COMPARISON

Tensile Strength (MPa)	AUSTRALIAN AS 1548	JAPANESE JIS	EUROPEAN EN 10028	AMERICAN ASTM	INTERNATIONAL ISO 9328.2
310				A285-A	
340				A285-B	
360			2-P235GH		P235
380				A285-C A516-55	
390			3-P275N		
400		G3115-SPV235 G3126-SLA235		A662-A	
410		G3103-SB410	2P265GH G3118-SGV410		P265
415				A515-60 A516-60	
430	PT 430NR				
440		G3126-SLA325			
450		G3108-SB450 G3118-SGC450		A515-65 A516-65	
460	**PT 460NR**		2-P295GH	A662-B	P290
480		G3103-SB480 G3118-SGV480			
490		G3115-SPV315 G3126-SLA360	3-P355N	A515-70 A516-70 A662-C A537-C11 A737-B A841	P315
510			2-P355GH		
520		G3115-SPV355		A299 A738-A	

1. This table indicates the approximate relationship between Australian grades and their international counterparts. More detailed comparisons of these Standards/grades can be obtained by contacting your Fletcher Steel representative.
2. Grades are shown in their increasing tensile strength order. AS1548-5-490 and equivalent grades have a higher minimum yield strength requirement than the corresponding AS1548-7-490 and equivalent grades.
3. Grade equivalence shown is based on room temperature tensile properties only.
4. Grades readily available are highlighted in black.
5. It may be possible to substitute readily available grades for international grades outside the designated strength band shown, provided relevant design factors are considered. Refer to your Fletcher Easy Steel representative for further information.

Please refer to BlueScope Steels website for more information on Boiler quality plate specifications www.xlerplate.com.au