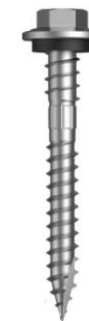
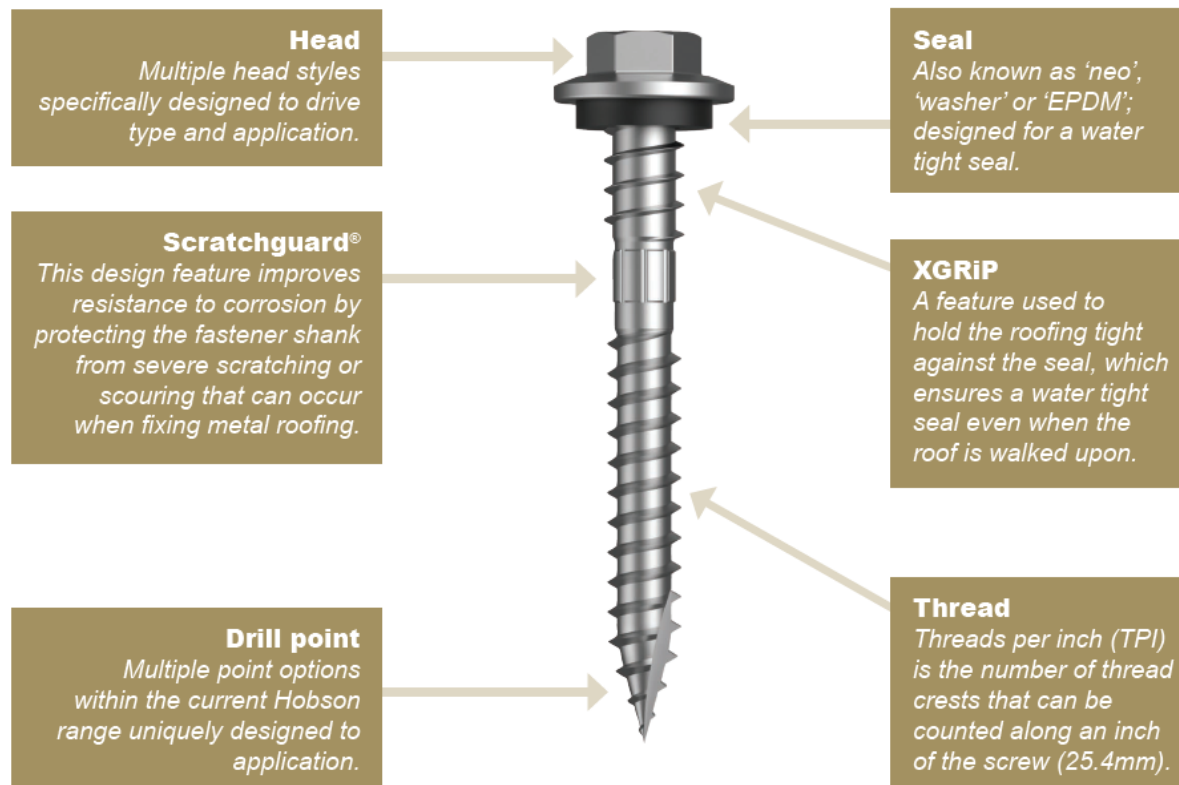


Manufactured for specific applications, these screws eliminate the need for pre-drilled holes and are engineered for ease of use. Basic features of the screw include:



For further technical
Information please contact
Southeast Fasteners direct

Southeast Fastener	ABN 30117890114	
Larapinta Branch:	71 Axis Place, LARAPINTA QLD 4110	TEL: 07 3273 4400 FAX: 07 3272 4999
Eagle Farm Branch:	109A Links Avenue South, EAGLE FARM QLD 4009	TEL: 07 3268 77 88 FAX: 07 3268 5689

Screw Size and Type Identification

To identify the best screw for an application we require some simple information such as:

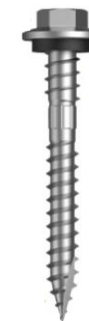
What **materials** are being fastened to (e.g. steel or timber)?

What is the **application** (e.g. roofing, decking, cladding)?

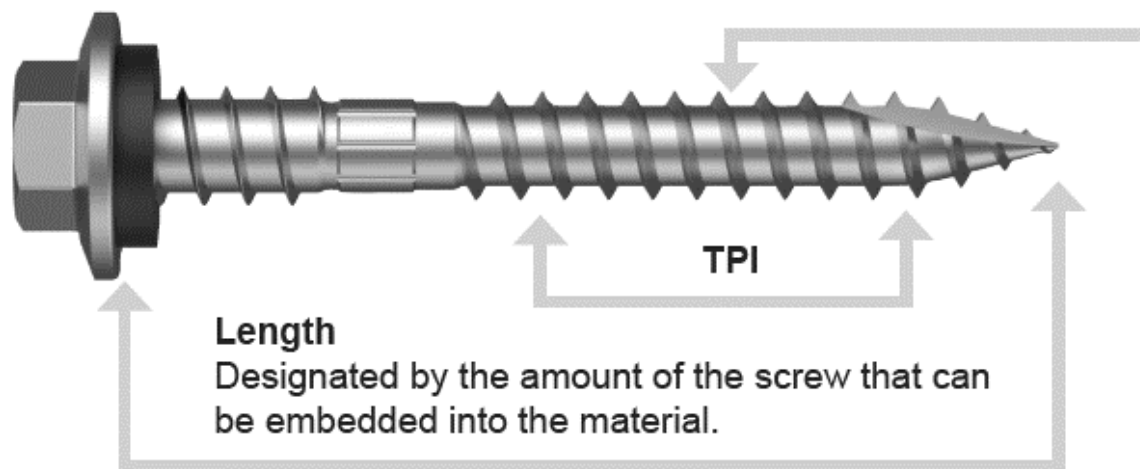
What **corrosion protection** is required (e.g. internal or external)?

What is the total **thickness** of the material(s) being fastened?

What is the preferred **head style**?



*For further technical
Information please contact
Southeast Fasteners direct*



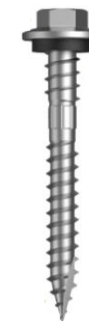
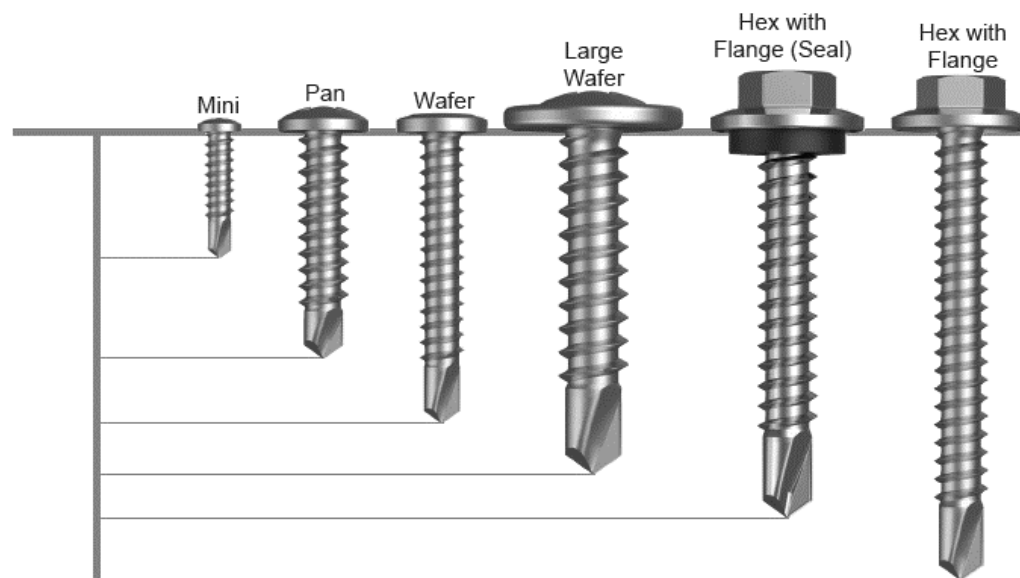
Screw Gauge
Thickness of thread major diameter.

Gauge	Major Diameter
6g	3.5mm
8g	4.2mm
10g	4.8mm
12g	5.5mm
14g	6.3mm

Southeast Fastener	ABN 30117890114	
Larapinta Branch:	71 Axis Place, LARAPINTA QLD 4110	TEL: 07 3273 4400 FAX: 07 3272 4999
Eagle Farm Branch:	109A Links Avenue South, EAGLE FARM QLD 4009	TEL: 07 3268 77 88 FAX: 07 3268 5689

Measuring the Length of Screws

**Screw types to
measure from
the underside
of the head**

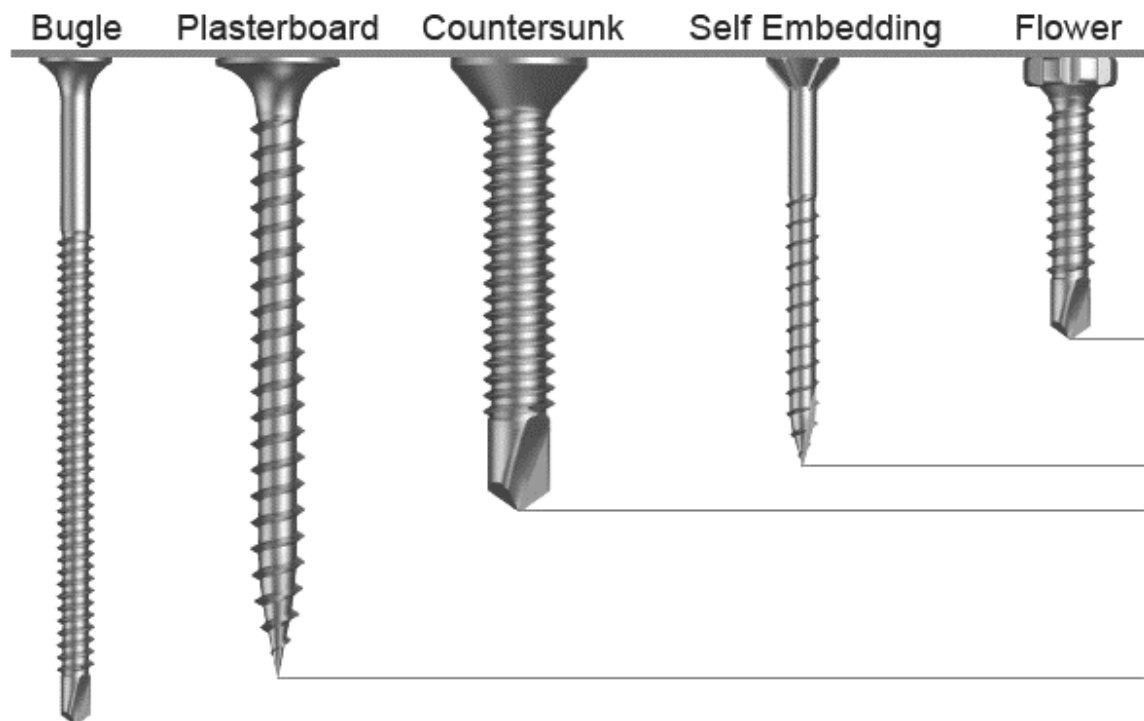


*For further technical
Information please contact
Southeast Fasteners direct*

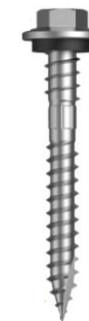
Southeast Fastener	ABN 30117890114	
Larapinta Branch:	71 Axis Place, LARAPINTA QLD 4110	TEL: 07 3273 4400 FAX: 07 3272 4999
Eagle Farm Branch:	109A Links Avenue South, EAGLE FARM QLD 4009	TEL: 07 3268 77 88 FAX: 07 3268 5689

SCREWS

MEASURING THE LENGTH OF SCREWS



**Screw types to measure
from the top of the head**



*For further technical
Information please contact
Southeast Fasteners direct*

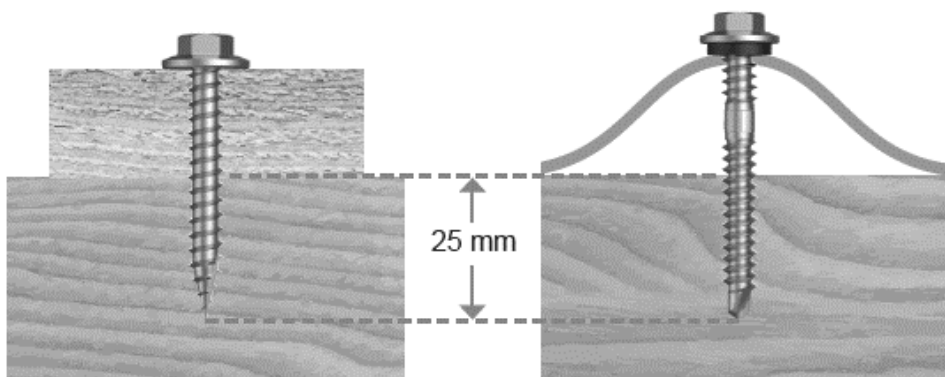
Southeast Fastener	ABN 30117890114	
Larapinta Branch:	71 Axis Place, LARAPINTA QLD 4110	TEL: 07 3273 4400 FAX: 07 3272 4999
Eagle Farm Branch:	109A Links Avenue South, EAGLE FARM QLD 4009	TEL: 07 3268 77 88 FAX: 07 3268 5689

Screw Embedment

Maximises the ability of the screw to achieve the required pull out loads.

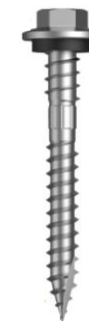
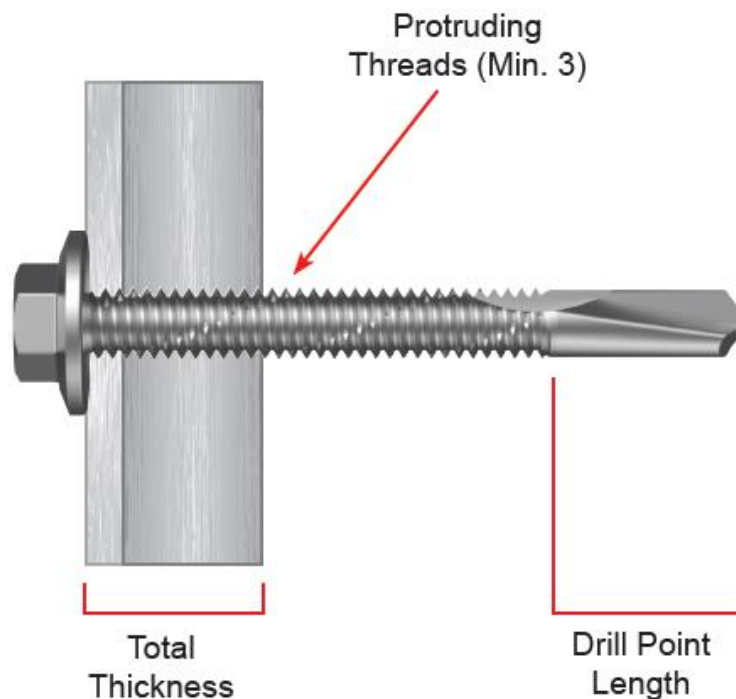
Timber

As a general rule, the minimum embedment required to achieve maximum pull out values is 25mm for #12 and 35mm for #14.



Metal

A minimum of three threads protruding to achieve maximum pull out values.



*For further technical
Information please contact
Southeast Fasteners direct*

Southeast Fastener	ABN 30117890114	
Larapinta Branch:	71 Axis Place, LARAPINTA QLD 4110	TEL: 07 3273 4400 FAX: 07 3272 4999
Eagle Farm Branch:	109A Links Avenue South, EAGLE FARM QLD 4009	TEL: 07 3268 77 88 FAX: 07 3268 5689

Screw Identification by Point Type:

Series 500 (S)

Commonly referred to as a deep driller, this point is designed for drilling and fastening into thick steel.

Winged (G)

This point is designed for fastening timber and/or composite materials to steel. The wings drill a hole through the timber or composite which is wider than the threads, preventing the threads from lifting the material and allowing the screw to self drill into the steel. The wings break off once the steel is engaged.

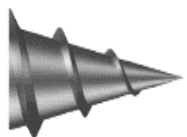
Metal Point (M)

This point is designed for drilling steel sections such as purlins, tophats, roofing and cladding. The length of the point will vary depending on steel thickness designed to drill.



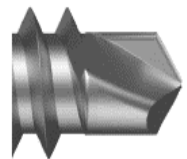
Type 17 (W)

This point is designed for drilling through lighter steel sections and fastening with timber.



Needle Point (N)

This point is used on screws of a general purpose nature.



vmaX® (V)

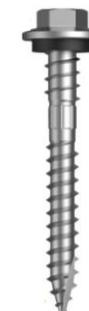
Universal drilling point, suitable for fastening steel to timber. Ideal for roofing applications.



Chipboard / Treated Pine (D)

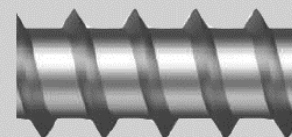
This point is designed for fastening chipboard or timber.

For further technical Information please contact Southeast Fasteners direct



Determining Thread Type

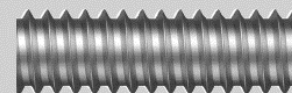
Thread per inch (TPI) is the number of thread crests that can be counted along an inch (25.4mm).



Coarse thread (up to 16TPI)

Otherwise known as space threads, screws with a *coarse thread* are generally used for timber applications and for lighter steel sections.

- Simple rule of thumb – coarse thread secures lighter steel sections.
- Typical applications in pre-engineered steel buildings include: cladding, framing and roofing.
- Common sizes include 10g-16TPI; 12g-14TPI and 14g-10TPI.



Fine thread (over 16TPI)

Generally known as *metal threads*, these screws are only used in steel applications and particularly thicker steels from 2mm upward.

- Simple rule of thumb – fine thread secures heavier steel sections.
- Typical applications in pre-engineered steel buildings include: framing (brackets to purlins) and roofing (lapped purlins).
- Common sizes include 8g-18TPI; 10g-24TPI and 12g-24TPI.

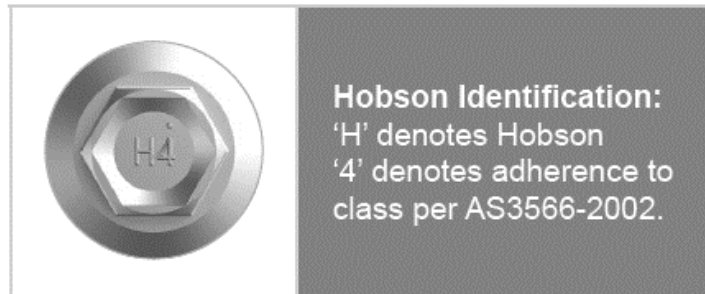
Southeast Fastener	ABN 30117890114	
Larapinta Branch:	71 Axis Place, LARAPINTA QLD 4110	TEL: 07 3273 4400 FAX: 07 3272 4999
Eagle Farm Branch:	109A Links Avenue South, EAGLE FARM QLD 4009	TEL: 07 3268 77 88 FAX: 07 3268 5689

Identifying Head Stamping












As per the AS 3566.1—2002 1.12 MARKING, the requirement for head stamping follows:

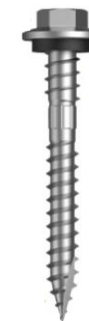
The manufacturer's identification mark and/or trademark shall be marked on the heads of the following screws:

- (a) Hexagon headed screws ST 4.8 (No. 10) and larger.
- (b) Bugle head screws Type 17 ST 4.8 (No. 10) and larger.
- (c) Class 3 or Class 4 corrosion resistant screws ST 4.8 (No. 10) and larger.



Drive Types

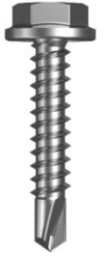
	Slotted		Torx
	Phillips		Post Torx
	Combi Slot Phillips		Eye
	Square		Pozi
	Hex		Trilobular
	Post Hex		



For further technical information please contact southeast Fasteners direct

Southeast Fastener	ABN 30117890114	
Larapinta Branch:	71 Axis Place, LARAPINTA QLD 4110	TEL: 07 3273 4400 FAX: 07 3272 4999
Eagle Farm Branch:	109A Links Avenue South, EAGLE FARM QLD 4009	TEL: 07 3268 77 88 FAX: 07 3268 5689

HEX HEAD FLANGED SELF DRILLING SCREWS



*For further technical
Information please contact
Southeast Fasteners direct*

ZYP / AS3566
Finish: Zinc Yellow Passivate.
Application: Fixing metal to metal.

Part	QFind	Gauge	TPI	Length	Pack Qty	Pack Weight
			(mm)	(mm)		(kg)
T9PMYFH1016016	Q506	10	16	16	1000	3.03
T9PMYFH1016025	Q507	10	16	25	1000	3.76

Material	Drilling Capacity
Top Hat Batten	0.75mm
Steel Purlin	1.00mm ~ 2.40mm

Mechanical Properties	Characteristic*
Tensile Strength (N)	11,150
Shear Strength (N)	6,130
Torsional Strength (Nm)	9.1

Ultimate Pullout Strength (N)

Base Plate	Mean^	Characteristic*
0.75 mm G550	1,760	1,480
1.20 mm G450	3,240	2,970
1.50 mm G450	4,490	4,050
1.90 mm G450	5,750	5,250
2.40 mm G450	7,180	6,580

All values are obtained under laboratory conditions using DRiLLX® product. Safety factors should be considered for design purposes.

* Characteristic Strength – is the 5% fractile strength which has a 95% probability of being exceeded at a confidence level of 90%.

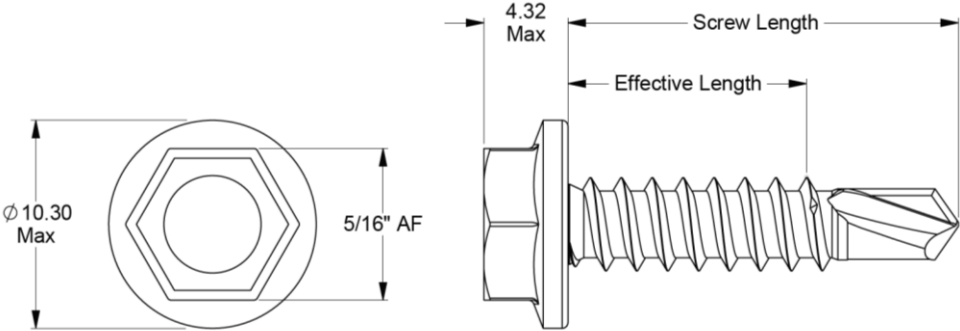
^ Mean Ultimate Strength – is the average ultimate strength of samples tested.

Southeast Fastener	ABN 30117890114	
Larapinta Branch:	71 Axis Place, LARAPINTA QLD 4110	TEL: 07 3273 4400 FAX: 07 3272 4999
Eagle Farm Branch:	109A Links Avenue South, EAGLE FARM QLD 4009	TEL: 07 3268 77 88 FAX: 07 3268 5689

HEX HEAD FLANGED SELF DRILLING SCREWS




Part	Length (mm)	Grip Length (mm)	Effective Length (mm)
T9PMYFH1016016	15-17	-	9.70 Max
T9PMYFH1016025	24-25	-	17.7 Max

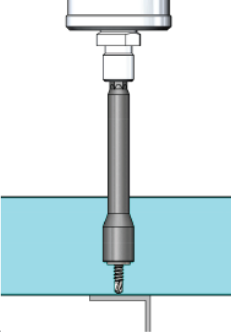


For further technical
Information please contact
Southeast Fasteners direct

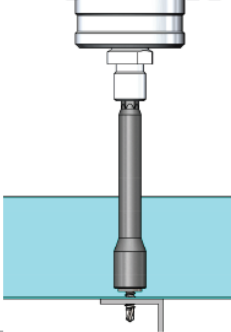
Installation Instructions



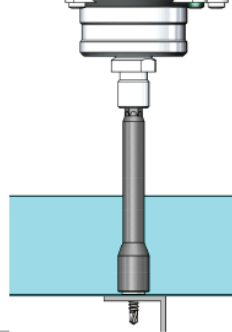
5/16 inch




1. Use a 5/16" Hobson Hex Nut Setter:
TXDSIS0310045 – 45mm
TXDSIS0310065 – 65mm
TXDSIS0310100 – 100mm
TXDSIS0310150 – 150mm
TXDSIS0310200 – 200mm
TXDSIS0310300 – 300mm



2. Use a cordless screw driver set between 2,200-3,000 RPM. Fit the Hex Nut Setter over the screw and place at the fastening position.



3. Apply consistently firm pressure to the screw driver while the screw is drilling.



4. Care should be taken not to overtighten the screw.

Southeast Fastener	ABN 30117890114	
Larapinta Branch:	71 Axis Place, LARAPINTA QLD 4110	TEL: 07 3273 4400 FAX: 07 3272 4999
Eagle Farm Branch:	109A Links Avenue South, EAGLE FARM QLD 4009	TEL: 07 3268 77 88 FAX: 07 3268 5689