

## REINFORCING STEEL FACTORS

Tonnes per m<sup>3</sup>: **7.850**  
m<sup>3</sup> per Tonne: **0.1274**

### AUCKLAND BRANCH

5 Beach Road, PO Box 22-201, Otahuhu, Auckland  
Ph: (09) 270 4247, Fax: (09) 270 0861  
Workshop Ph: (09) 270 4266

### HAMILTON BRANCH

No 16, Tawa Street Industrial Estate, PO Box 837, Hamilton  
Ph: (07) 843 0890, Fax: (07) 843 6176

### TAURANGA BRANCH

19 Reynolds Place, PO Box 11-076, Papamoa  
Ph: (07) 542 9400, Fax: (07) 542 0983

### PALMERSTON NORTH BRANCH

66 Armstrong Street, PO Box 12207, Palmerston North  
Ph: (06) 359 1776, Fax: (06) 359 1777

### WELLINGTON BRANCH

Burnham Street, PO Box 33-254, Petone, Wellington  
Ph: (04) 570 8480, Fax: (04) 570 8481

### NELSON BRANCH

40 Beach Road, PO Box 3445, Richmond Mall, Nelson  
Ph: (03) 544 0751, Fax: (03) 544 0759

### CHRISTCHURCH BRANCH

Corner of Waltham Road & Mowbray Street,  
PO Box 30 183, St Martins, Christchurch  
Ph: (03) 377 1190, Fax: (03) 365 7510

### DUNEDIN BRANCH

12 Harraway Road, Green Island, PO Box 5681, Dunedin  
Ph: (03) 479 2730, Fax: (03) 479 2731

### INVERCARGILL BRANCH

54 Tweed Street, PO Box 957, Invercargill  
Ph: (03) 214 9090, Fax: (03) 214 9099

[www.fletcherreinforcing.co.nz](http://www.fletcherreinforcing.co.nz)

Bar Diameter	General Data				Bending Information								Approx o/a dia for Deformed Bar	Lap Length (Guide Only)	
					Main Bar					Stirrups					
	Cross Sectional Area (mm <sup>2</sup> )	Vol per m (mm <sup>3</sup> )	Metres per Tonne	Kilograms per metre	Pin Dia	Subtract for Bend	Add for Hook	Standard Return (90°)	Min Return (90°)	Pin Dia	Pin Dia	Add for Cut Length			
6	28.27	28274	4505.4	0.2220	30	15	100	100	50	22		140	400		
8	50.27	50265	2534.3	0.3946	40	20	110	130	60	28	32	150	500		
10	78.54	78540	1622.0	0.6165	50	25	120	160	70	32	40	170	12	600	
12	113.10	113097	1126.4	0.8878	60	30	140	200	90	40	50	200	14	750	
16	201.06	201062	633.58	1.5783	80	40	165	260	120	60	70	270	18	1000	
20	314.16	314159	405.49	2.4662	100	45	200	320	150	70	80	400	23	1250	
25	490.87	490874	259.51	3.8534	150	65	280	400	220	Plain	Deformed		29	1600	
32	804.25	804248	158.39	6.3133	200	90	420	520	300					36	2000
40	1256.64	1256637	101.37	9.8646	240	110	500	640	360					45	2500