



By doing business with

**Atlas Steel - P.n.a**

you're supporting PNG!

# 47 Concrete Reinforcing Bars & Mesh

Atlas Steel PNG is one of the country's leading suppliers of reinforcing steel, supporting projects ranging from individual residences to large-scale, high-value developments.

We provide foundations, reinforcing mesh, custom bending services, and cages tailored to meet the specific requirements of each project. Our range includes Grade 500 N reinforcing steel in long bars and coils, with diameters from 10mm to 36mm, available in a variety of stock lengths.

For projects that require seismic-resistant designs, we also supply Grade 300E and Grade 500E reinforcing steel, ensuring both compliance and structural integrity for demanding applications.



Deformed Bars



Reinforcing Mesh



Black Tie Wire



Reinforcing Bar Accessories



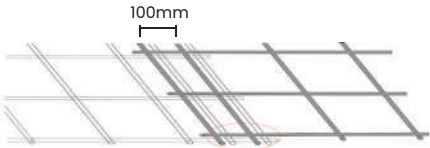
Reinforcing Mesh

- 1. Available Standards: **AS/NZ 4671- 2000 – Grade: 500N**
- 2. Available in Galvanised.

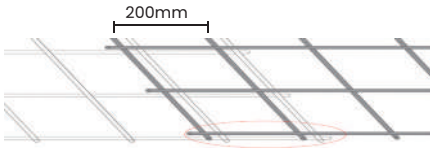


CODE No.	DESCRIPTION	UNIT WEIGHT (kg)	UOM
23-10-015	SL52 Reo Fabric 5.8m x 2.2m	19.43	Sheets
23-15-015	SL62 Reo Fabric 5.8m x 2.2m	29.07	Sheets
23-15-020	SL62 Mini Reo Fabric 2.9m x 2.2m	14.04	Sheets
23-15-025	F62 Reinforcing Mesh 5.8m x 2.2m (No Lap Wires)	27.07	Sheets
23-20-015	SL72 Reo Fabric 5.8m x 2.2m	35.95	Sheets
23-20-020	SL72 Mini Reo Fabric 2.9m x 2.2m	17.36	Sheets
23-20-025	F72 Reinforcing Mesh 5.8m x 2.2m (No Lap Wires)	34.27	Sheets
23-25-010	RF82 Reinforcing Mesh 8.0mm x 200mm	52.49	Sheets
23-25-015	SL82 Reo Fabric 5.8m x 2.2m	46.62	Sheets
23-25-020	SL82 Mini Reo Fabric 2.9m x 2.2m	22.50	Sheets
23-25-025	F82 Reinforcing Mesh 5.8m x 2.2m (No Lap Wires)	43.42	Sheets
23-30-010	RF92 Reinforcing Mesh 9.0mm x 200mm	65.04	Sheets
23-30-015	SL92 Reo Fabric 5.8m x 2.2m	57.63	Sheets
23-35-010	RF102 Reinforcing Mesh 10.0mm x 200mm	80.46	Sheets
23-35-015	SL102 Reo Fabric 5.8m x 2.2m	71.32	Sheets

Mesh with lap wires



Mesh without lap wires



PNG Standard states that the two outermost transverse wires of one sheet of mesh must overlap the two outermost transverse wires of the sheet being lapped, as shown below.

Overlap of ends of sheets (with overhang)



Overlap of sides of sheets (100mm)



Overlap of side and end of sheets (300mm)



The same requirements for full-strength tensile laps apply but with additional criteria about the minimum spacing of transverse wires, which are all satisfied by using Atlas Steel Mesh. Save Money, PNG Standard only requires 100 lap with Atlas Steel Mesh.

Deformed Bars

- Available Standard:  
**AS/NZ 4671- 2001 – Grade 500E, Grade 500N.**



DEFORMED BARS					
CODE No.	GRADE	DIAMETER (mm)	STANDARD LENGTH (m)	MASS (kg/m)	UOM
37-03-010	500E	10	6	3.70	Length
37-03-012	500E	12	6	5.33	Length
37-03-015	500E	16	12	9.48	Length
37-10-006	500N	10	6	3.80	Length
37-12-006	500N	12	6	5.46	Length
37-12-012	500N	12	12	10.92	Length
37-16-006	500N	16	6	9.71	Length
37-16-012	500N	16	12	19.42	Length
37-20-006	500N	20	6	15.16	Each
37-20-012	500N	20	12	30.32	Length

Black Tie Wire

- 1. Use mostly in reinforcing construction.
- 2. Available in rolls.



**Note:** Other tie wires available on page 43 and 44.

BLACK TIE WIRES in COILS			
CODE No.	WIRE DIAMETER (mm)	WIRE LENGTH (m)	WEIGHT /ROLL (kg)
59-10-001	1.6	63	1.00
59-10-002	1.6		1.42
59-10-003	1.6	95	1.50
59-10-005	1.6	315	5.00
59-10-010	1.6	630	10.0
59-10-025	1.6	1575	25.0
59-10-050	1.6	3150	50.0
59-15-050	3.15		50.0

Accessories

Pair your mesh and rebar with reliable reinforcing accessories to support your concrete foundations.

Concrete jobs require a variety of accessories including combination mesh chairs, spacers, bar guards, tie wire and additional building accessories. We can help you choose the most effective products for your application.



Dowel Speed Sleeve Nailing Plate



Bar Guards Yellow Plastic



Plastic Tipped Wire Chair



Plastic Chair for Top Steel



Slab on Ground Spacers



Metal Base Plate

CODE No.	DESCRIPTION	UNIT WEIGHT (kg)	UOM
36-05-010	Dowel Speed Sleeve Nailing Plate 20mm	1.00	Each
36-05-019	KJ 150mm x 3m + 4 stakes 350 x 10mm	1.00	Each
36-10-005	Bar Guards Yellow Plastic	1.00	Bags
36-10-030	Tipped Wire Chair Plastic 30mm	0.00	Bag/100
36-10-040	Plastic Tipped Wire Chair 40mm	0.00	Bag/100
36-10-050	Plastic Tipped Wire Chair 50mm	0.00	Bag/100
36-10-065	Plastic Tipped Wire Chair 65mm	0.00	Bag/100
36-10-075	Plastic Tipped Wire Chair 75mm	0.00	Bag/100
36-10-120	Plastic Tipped Wire Chair 120mm	1.00	Bag
36-10-160	Plastic Tipped Wire Chair 160mm	0.00	Bag
36-10-180	Plastic Tipped Wire Chair 180mm	0.00	Bag
36-10-200	Plastic Tipped Wire Chair 200mm	0.00	Bag/25
36-10-220	Plastic Tipped Wire Chair 220mm	0.00	Bag/25
36-10-230	Plastic Tipped Wire Chair 230mm	0.00	Bags
36-10-240	Plastic Tipped Wire Chair 240mm	0.00	Bag/25
36-10-260	Plastic Tipped Wire Chair 260mm	0.00	Bag/25
36-10-280	Plastic Tipped Wire Chair 280mm	0.00	Bag/20

CODE No.	DESCRIPTION	UNIT WEIGHT (kg)	UOM
36-15-040	Concrete Aspro Chairs 40mm	0.21	PCS
36-15-050	Concrete Aspro Chairs 50mm	0.28	PCS
36-15-070	Concrete Aspro Chairs 70mm	0.60	PCS
36-15-075	Concrete Aspro Chairs 75mm	0.63	PCS
36-20-020	Plastic Chair for Bottom Steel 20/25mm	0.00	Bag/100
36-20-025	Plastic Chair for Bottom Steel 25/30mm	1.00	Bag/100
36-20-030	Plastic Chair for Bottom Steel 30/40mm	0.00	Bag/100
36-20-040	Plastic Chair for Bottom Steel 35/40mm	1.38	Each
36-20-050	Plastic Chair for Bottom Steel 45/50mm	4.00	Bag/100
36-20-065	Plastic Chair for Top Steel 65/75mm	4.00	Bag/50
36-20-100	Plastic Chair for Top Steel 50mm	0.00	Bag
36-20-110	Plastic Chair for Top Steel 110/120mm	4.00	Bag/50
36-20-150	Plastic Chair for Top Steel 150/160mm	4.00	Bag/50
36-20-170	Plastic Chair for Top Steel 170/180mm	4.00	Bag/50
36-20-180	Plastic Chair for Top Steel 190/200mm	4.00	Bag/50
36-30-025	Slab on Ground Spacers 25/40mm	2.00	Bag/100
36-30-050	Slab on Ground Spacers 50/65mm	2.00	Bag/100
36-30-075	Slab on Ground Spacers 75/90mm	4.00	Bag/100
36-30-085	Slab on Ground Spacers 85/100mm	6.00	Bag/100
36-40-020	Plastic Clipfast Spacers 20mm	0.00	Bag
36-40-025	Plastic Clipfast Spacers 25mm	0.00	Each
36-40-040	Plastic Clipfast Spacers 40mm	1.00	Bag/100
36-40-050	Plastic Clipfast Spacers 50mm	1.00	Bag/100
36-40-075	Plastic Clipfast Spacers 75mm	0.00	Bag
36-50-025	Round Clip-on Col/Wall Spacer 25mm	0.00	Bag
36-60-152	Metal Base Plates152mm Diameter	0.00	Bag/50
36-60-224	Metal Base Plates 224mm Diameter	0.00	Bag/50
36-70-240	Black Visqueen 2.0m x 50m x100Um	0.00	Roll
36-70-242	Black Visqueen 2.0m x 50m x 125Um	0.00	Roll
36-70-244	Black Visqueen 3.0m x 50m x 200Um	0.00	Roll
36-70-245	Black Visqueen 4.0m x 50m x 200Um	36.8	Roll
36-75-005	Klien Reel (Plastic Box)	0.00	PCS
36-75-010	Klien Reel (Aluminium Box)	0.00	PCS
36-75-015	Nylon Belts	0.00	Each
36-75-020	Leather Belts	0.00	Each
36-80-030	PVC Ducting Tape 30m x 72mm	0.00	Each
36-80-050	PVC Ducting Tape 50m x 48mm	0.00	Each
36-90-010	Plastic Star Chair 30mm	0.00	Bag
36-90-020	Plastic Star Chair 40mm	0.00	Bag