


MACHINERY AND STEEL CORPORATION
Rebar Cutter and Bender Specialist
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CNB MACHINERY AND STEEL CORPORATION

THE PREEMINENT LIGHT EQUIPMENT DISTRIBUTOR
OF THE PHILIPPINES

2022



A purchase that leads to a partnership
of a lifetime



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About the Company

CNB Machinery and Steel Corporation

CNB MACHINERY AND STEEL CORPORATION IS THE PREEMINENT DISTRIBUTOR OF REBAR CUTTING AND BENDING MACHINES IN THE PHILIPPINES.

WE TAKE PRIDE IN PROVIDING OUR VALUED CLIENTS WITH THE LATEST TECHNOLOGY IN THE BAR-BENDING, BAR-CUTTING MACHINES, AND OTHER LIGHT EQUIPMENT AS WELL AS OUR UNRIVALED AFTER SALES SERVICE AND DEDICATION TO OUR CLIENTS FOR THEIR SUCCESS.



Mission & Vision

Our Mission

To supply our valued clients with their immediate needs from high-quality industrial equipment to commercial equipment accompanied by our unrivaled service.

Our Vision

To become a globally recognized trading company that provides solutions that transcends barriers between industries and to continuously redefine customer service across all markets we cater to.

1. Automatic Rebar Processing Machines

1.1 Rebar Cutters

TYC-NHD25

Portable Handy Cutter



Specification

Cutting Capacity	10-25mm rebar (0.375-1.00in)
Cutting Speed	4 seconds
Power Requirements	Single Phase, 220V, 60Hz
Motor	AC 2.1kW
Weight	23kg / 51lb
Dimension (mm)	(L) 500mm (W) 157mm (H) 250mm
Oil	SHELL tellus #46 / ATF20

No. of bars the machine can cut at once

Diameter of rebar	25mm	22mm	19mm	16mm	13mm	10mm
No. of rebars	1 rebar	1 rebar	1 rebar	1 rebar	2 rebars	3 rebars

Features

- 1.Simple and easy to use: one-touch type
- 2.Powerful and precise cutting performance (bar diameter up to 25mm)
- 3.Rapid cutting speed: 4 seconds per cut
- 4.All 4 edges of the cylinder blade are usable
- 5.Lightweight and easy to carry (only 23kg/51lb)
- 6.Less operation noise
- 7.Electrically driven hydraulic system
- 8.Compatible with power supply at home
9. Can be operated up to 2 hrs with 15-30min rest period

TYC-D35A

General Mobile Cutter



Specification

Cutting Capacity	10-32mm rebar (0.375-1.27in)
Motor	3.0kW / 4HP
Power Requirements	Single Phase, 220V, 60Hz
Weight	616kg / 1,355 lb
Dimension (mm)	(L) 800mm (W) 520 (H) 1,262mm

No. of bars the machine can cut at once

Diameter of rebar	32mm	25mm, 22mm	19mm	16mm	13mm	10mm
No. of rebars	1 rebar	2 rebars	3 rebars	4 rebars	6 rebars	

Features

- 1.Oil bathed lubrication gears to operate the machine smoothly with less noise
- 2.No sticking phenomenon of crank after a long period of no usage of the machine
- 3.All 4 edges of the cutting blades are usable
- 4.Can cut up to 32mm rebars with its powerful cutting performance
- 5.Back plate installed behind the cutting blade to prevent rebars being stuck
- 6.Machine is compatible with power supply at home
- 7.Interior electric motor must not be exposed to rain

1. Automatic Rebar Processing Machines

1.1 Rebar Cutters

TYC-HD42A

Heavy Duty Cutter



Specification

Cutting Capacity	10-42mm rebars (0.375-1.65 in)
Motor	AC 3.7kW / 5hp (4hp)
Power Requirements	3 phase, 220V / 380V, 60Hz
Weight	836kg / 1,839lb
Dimension (mm)	(L) 838mm (W) 688mm (H) 313mm

No. of bars the machine can cut at once

Diameter of rebar	42mm 32mm, 29mm	25mm	22mm	19mm	16mm	13mm	10mm
No. of rebars	1 rebar	2 rebars	2 rebars	3 rebars	5 rebars	6 rebars	9 rebars

Features

- 1.Simple and easy to use: one-touch type
- 2.Powerful and precise cutting performance (bar diameter up to 42mm)
- 3.Oil bathed lubrication gears to operate the machine smoothly with less noise
- 4.All 4 edges of the cylinder blade are usable
- 5.No sticking phenomenon of crank after a long period of no usage of the machine
- 6.Interior electric motor must not be exposed to rain

1. Automatic Rebar Processing Machines

1.2 Rebar Benders

TYB-D26

Compact Bender



Specification

Bending Angle	180° / 5 seconds
Bending Capacity	10-25mm rebar(0.375 - 1.00 in)
Motor	2.1kW
Power Requirements	Single phase, 220V, 60Hz
Weight	75kg / 165lb
Dimension (mm)	(L) 446mm (W) 426mm (H) 383mm

No. of bars the machine can bend at once

Diameter of Rebar	25mm	22mm	19mm	16mm	13mm	10mm
No. of rebars	1 rebar	1 rebar	1 rebar	2 rebars	4 rebars	5 rebars

Features

- 1.The dual adjustable device simultaneously bends in 2 different angles that can tremendously save work time
- 2.The addition of foot-switch guarantees safe operation of the machine
- 3.Despite being a compact machine, it has an excellent bending performance that bends up to 25mm rebars
- 4.Lightweight and can be easily loaded to the trunk of a car, and can be carried by 2 people
- 5.The bending process of stirrup and hoop allows the minimum bend bar-end length 4-6cm (1.57-2.36 inches)
- 6.Interior safety sensor installed
- 7.Compatible with power supply at home

TYB-D35

General Bender



Specification

Bending Angle	180° / 5 seconds
Bending Capacity	10-32mm rebar(0.375-1.27 in)
Motor	2.1kW
Power Requirements	Single phase, 220V,60Hz
Weight	75kg / 165lb
Dimension (mm)	(L) 673mm (W) 500mm (H) 447mm

No. of bars the machine can bend at once

Diameter of Rebar	25,32mm	19-22mm	16mm	13mm	10mm
No. of rebars	1 rebar	2 rebars	3 rebars	4 rebars	6 rebars

Features

- 1.The dual adjustable device simultaneously bends in 2 different angles that can tremendously save work time
- 2.The addition of foot-switch guarantees safe operation of the machine
- 3.Despite being a compact machine, it has an excellent bending performance that bends up to 32mm rebars
- 4.Lightweight and can be easily loaded to the trunk of a car, and can be carried by 2 people
- 5.The bending process of stirrup and hoop allows the minimum bend bar-end length 4-6cm (1.57-2.36 inches)
- 6.Interior safety sensor installed
- 7.Compatible with power supply at home

1. Automatic Rebar Processing Machines

1.2 Rebar Benders

TYB-HD42A

Heavy Duty Bender



Specification

Bending Angle	180° / 5 seconds
Bending Capacity	10-36mm rebar(0.375-1.42 in)
Motor	5.5kW (7.5hP)
Power Requirements	3 phase, 220V / 360V, 60Hz
Weight	710kg / 1,562lb
Dimension (mm)	(L) 880mm (W) 860mm (H) 750mm

No. of bars the machine can bend at once

Diameter of Rebar	32-36mm	22-25mm	16-19mm	13mm	10mm
No. of rebars	1 rebar	2 rebars	3 rebars	4 rebars	6 rebars

Features

- 1.The dual adjustable device simultaneously bends in 2 different angles that can tremendously save work time
- 2.The addition of foot-switch guarantees safe operation of the machine
- 3.Machine was specially designed to be suitable for general constructions
- 4.The bending process of stirrup and hoop allows the minimum bend bar-end length 6-8cm (2.36-3.15 inches)
5. The machine is simple and easy to use

TYB-HD42D

Heavy Duty Bender



Specification

Bending Angle	180° / 5 seconds
Bending Capacity	10-42mm rebar(0.375-1.65in)
Motor	7.5kW (10HP)
Power Requirements	3 phase, 220V / 360V,60Hz
Weight	710kg / 1,562lb
Dimension (mm)	(L) 880mm (W) 860mm (H) 750mm

No. of bars the machine can bend at once

Diameter of Rebar	29,32,42 mm	22-25mm	16-19mm	13mm	10mm
No. of rebars	1 rebar	2 rebars	3 rebars	4 rebars	6 rebars

Features

- 1.The dual adjustable device simultaneously bends in 2 different angles that can tremendously save work time
- 2.The addition of foot-switch guarantees safe operation of the machine
- 3.Machine was specially designed for civil engineering works, bridge construction, subway work and also for land-base piling work
- 4.The bending process of stirrup and hoop allows the minimum bend bar-end length 6-8cm (2.36-3.15 inches)
- 5.Simple and easy to use
- 6.Machine is able to have larger bending radius by using various types of rollers: 150R, 200R, 250R, 300R, 350R, and 400R

1. Automatic Rebar Processing Machines

1.3 Spiral Benders

TYR-HD25B

Spiral Bender



Specification

Bending Angle	360°
Bending Capacity	10-25mm rebar(0.375-1.00 in)
Motor	1.5kW (2hP)
Power Requirements	Single phase, 220V, 60Hz
Weight	185kg / 407lb
Dimension (mm)	(L) 600mm, (W) 550mm, (H) 514mm
Mini/Max	130 - 2,500mm

Features

- 1.Machine was specially designed for civil engineering works, bridge construction, subway work and also for land-base piling work
- 2.The diameter of spirally bent rebar ranges from 130mm to 2,500mm
- 3.The machine is lightly weighted compared to its size (185kg/407.85lbs), and is loadable into the trunk of a passenger car and can be carried by 2 people
- 4.The machine is compatible with the power supply at home

TYR-HD32A

Spiral Bender



Specification

Bending Angle	360°
Bending Capacity	10-32mm rebar(0.375 - 1.27 in)
Motor	3.7kW (5hP)
Power Requirements	3 phase, 220V, 60Hz
Weight	535kg / 1,177lb
Dimension (mm)	(L) 838mm, (W) 846mm, (H) 915mm
Mini/Max	300 - 6,000mm

Features

- 1.Machine was specially designed for civil engineering works, bridge construction, subway work and also for land-base piling work
- 2.The diameter of spirally bent rebar ranges from 300mm to 6,000mm
- 3.The machine's powerful bending performance can spirally bend up to 32mm. It will take 12 seconds to bend a 32mm to 360°

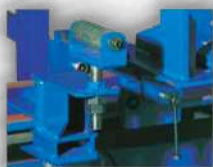


2. Automatic Line Rebar Processing Machines

2.1 Automatic Line Rebar Bending Machine

TAB-HD25N

Automatic Rebar Bender Machine



Rebar guider and supporter







Rebar bending



Touch Screen Panel

Daily workable volume (8 hours)

Form & Dimension	Diameter (mm)	No. of bars bendable at once	No. of bars workable in a day	Total weight (kg)
	10mm	9 rebars	810 x 8 = 6,480	7,250 kg
	13mm	7 rebars	630 x 8 = 5,040	10,000 kg
	16mm	5 rebars	450 x 8 = 3,600	16,580 kg
	25mm	1 rebar	120 x 8 = 960	23,000 kg

Specification

Capacity	10mm-25mm (0.375 -1.00 in)	Power	3 Phase AC 220-415V, 50/60Hz
Angle	15° - 180°	Conveyor Speed	5.3m / min
Roller	62 diameter, 84 diameter	Rotating Arm Speed	180° / 4.7 seconds
Total Weight	4,700kg (Loading weight: 2,000kg)	Dimension	(L) 8,000 x (W) 2,200 x (H) 1,565
Motor	Head: 1.5kW (3p, Geared Motor) / Supply Table: 0.75kW (3p, Geared Motor) / Compressor: 2.2kW (3p)		

Bars to bend at a time

Bar Diameter / mm	10mm	13mm	16mm	19mm	22mm	25mm
Bar Diameter / inch	#3 (0.375 in)	#4 (0.50 in)	#5 (0.675 in)	#6 (0.75 in)	#7 (0.875 in)	#8 (1.00 in)
TAB-HD25(A)	9 rebars	7 rebars	5 rebars	2 rebars	1 rebar	1 rebar

2. Automatic Line Rebar Processing Machines

2.2 Automatic Rebar Bending Line

TAB-HD42N

Automatic Rebar Bender Machine



Precise Technology



Movable Touch Panel

Bending form (based on 25mm rebars)

Single anchor



A(Min) : 100mm
A(Max) : Unlimited

Double anchor



A(Min) : 75mm
A(Max) : 10,000mm

Specification

Capacity	10mm-42mm (0.375-1.65 in)	Power	3 Phase AC 220-415V, 50/60Hz
Angle	15° - 180°	Conveyor Speed	5.3m / min
Roller	68, 108, 148, 164 diameter, R-Jig	Rotating Arm Speed	180° / 4.5 seconds
Total Weight	4,400kg (Loading weight: 2,000kg)	Dimension	(L) 12,000 x (W) 2,500 x (H) 1,536
Motor	Bending Machine: 3.7kW (3p) / Supply Table 1.5kW (3p, Geared Motor)		

Bars to bend at a time

Bar Diameter / mm	10mm	13mm	16mm	19mm	22mm	25mm
Bar Diameter / inch	#3 (0.375 in)	#4 (0.50 in)	#5 (0.675 in)	#6 (0.75 in)	#7 (0.875 in)	#8 (1.00 in)
Number of rebars	6 rebars	4 rebars	3 rebars	3 rebars	2 rebars	1 rebar
Roller	68 diameters	68 diameters	108 diameters	108 diameters	148 diameters	148 diameters

Bar Diameter / mm	29mm	32mm	35mm	38mm	42mm
Bar Diameter / inch	#9 (1.128 in)	#10 (1.27 in)	#11 (1.41 inches)	1.50 in	#14 (1.65 in)
Number of rebars	1 rebar	1 rebar	1 rebar	1 rebar	1 rebar
Roller	164 diameters				

2. Automatic Line Rebar Processing Machines

2.3 Automatic Rebar Cutting Line

TAC-60LM

Automatic Rebar Cutting Machine



Touch Screen Panel

Specification

	Cutting Machine	Input Conveyor urethane/ steel roller, belt (optional)	Discharge Conveyor urethane/ steel roller, belt (optional)	Supply Table	Compressor
Dimension (mm)	866mm x 1,540mm x 1,500mm	706mm x 850mm x 10,000mm	756mm x 850mm x 10,000mm	1,722mm x 1,088mm x 8,800mm	
Power	7.5kW	Geared Motor	Geared Motor	5.5kW	5.5kW

Dimension: (L) 26,400mm x (W) 3,400mm x (H) 1,840mm
 Blade: (L) 300mm x (W) 100mm x (H) 50mm
 Weight : 12,200kg
 Cutting Length : Maximum of 12,000mm (12 meters)



Cutting Blade (300x100x50)



Discharge Conveyor

Bars to cut at a time

Bar Diameter / mm	10mm	13mm	16mm	19mm	22mm	25mm
Bar Diameter / inch	#3 (0.375 in)	#4 (0.50 in)	#5 (0.675 in)	#6 (0.75 in)	#7 (0.875 in)	#8 (1.00 in)
TAC-60LM	25 rebars	20 rebars	15 rebars	12 rebars	9 rebars	7 rebars

Bar Diameter / mm	29mm	32mm	35mm	38mm	42mm
Bar Diameter / inch	#9 (0.375 in)	#10 (0.50 in)	#11 (0.675 in)	1.50 in	#14 (1.65 in)
TAC-60LM	5 rebars	4 rebars	2 rebars	2 rebar	1 rebar

3. Internal Concrete Vibrators

3.1 Gasoline Powered Concrete Vibrators

Action Unit

Vibrator Poker



Specification

Model	Diameter x L (mm)	Frequency (V.P.M)	Revolution (R.P.M)	Flexible Hose	Weight	Engine Unit
SYV-32	32x445mm	12,000-14,000	3,000-3,600	6M (standard)	15kg	3.5-6HP 3,600RPM Gasoline
SYV-38	38x445mm				16kg	
SYV-45	45x445mm				17kg	
SYV-60	60x545mm				24kg	

Motor

Gasoline-Powered Motor



Specification

Model	Output (kw)	Motor Speed (RPM/Hz)	Voltage (V)	Weight (kg)	Remark	Compatible Action Unit
SYV-32	0.75 (1HP)	2850/50 3,450/60	110/220V	14.3kg	1 phase	SYV-32,38,45
SYV-38	1.50 (2HP)	2850/50 3,450/60		18kg	2 phase	SYV-60
SYV-45	2.20 (3HP)	2850/50 3,450/60		25kg	3 phase	

Features

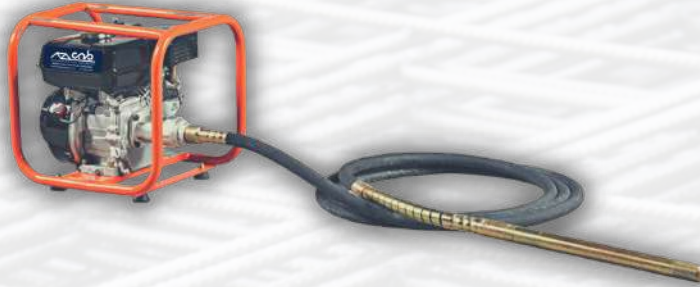
The gasoline concrete vibrator provides the best performance and & dynamic power with its special vibration system using a pendulum type. The low rotational speed of 3,000RPM provides less wear and tear for all rotation parts

3. Internal Concrete Vibrators

3.1 Gasoline Powered Concrete Vibrators

CVP Series

Vibrator Poker



Specification						
Model	Diameter x L (mm)	Vibrator Amplitude (mm)	Frequency (Hz)	Diameter of Flexible Hose (mm)	Diameter of Flexible Shaft (mm)	Engine Unit
CVP-32	32x583mm	0.82mm	220Hz	30mm	10mm	15kg
CVP-38	38x583mm	1.20mm	220Hz	30mm	10mm	15.6kg
CVP-45	45x583mm	1.20mm	220Hz	32mm	12mm	18.6kg
CVP-50	50x583mm	1.20mm	220Hz	36mm	12mm	20.2kg

CCV Series

Gasoline-Powered Motor



Specification				
Model	CCVR-1 CCVS-1	CCVR-2 CCVS-2	CCVR-3 CCVS-3	CCVR-4 CCVS-4
Engine Type	Kipor KM170F	Chinese Petrol Engine	Robin EX17	Honda GX160
Power kw (hp)	3.2kw (4.2 hp)	4.8kw (6.5 hp)	4.2kw (5.7 hp)	4.0kw (5.5 hp)
Weight kg (lbs)	32kg (70lbs)	20kg (40lbs)	20kg (44lbs)	20kg (44lbs)

Features

The CCV series gasoline powered motor has a RPM of 3000 that is translated to the CVP series vibrator pokers which produces 12,000 vibrations per minute. The low rotational speed of 3,000RPM provides less wear and tear for all rotation parts.

3. Internal Concrete Vibrators

3.2 High Frequency Vibrators

High Frequency Vibrator

High Frequency Vibrator



Specification			
Model	NCV-40x4x20	NCV-50x4x20	NCV-60x6x20
Power Supply	DC 50V	DC 50V	DC 50V
Power	350-450w	450-550w	750-850w
Frequency	450-480	450-480	420-450
RPM	13,500-14,500	13,500-14,500	12,500-13,500
Hose Length	1-20m	1-20m	1-20m
Wire Length	20m (2.5 SQ)	20m (2.5 SQ)	20m (4 SQ)
Weight	3kg	4kg	6kg

SMPS

High Frequency Vibrator Motor



Specification		
Classification	500w	750w
Dimension	210x130x75	275x140x85
Input Power	AC 220V	AC 220V
Power	450-550w	700-800w
Frequency	50-60hz	50-60hz
Output power	DC 50V	DC 50V
Weight	3kg	4kg
Available Model	NCV-40/50	NCV-60

Vibrator Head

High Frequency Vibrator Head



Diameter of High Frequency Vibrator			
Model	NCV-40	NCV-50	NCV-60
Diameter (mm)	40mm	50mm	60mm

Features

- 1.The first product using specially designed BLDC motor and SMPS (Switching Mode Power Supply)
- 2.The BLDC motor with high RPM for high-strength concrete
3. High vibrations (13,500-14,500 rotations) for concrete compaction
4. Safe from electric shock due to DC 50V

3. Internal Concrete Vibrators

3.3 Portable Vibrators

Handy Vibrator

Handy Vibrator



Specification						
Model	Frequency (V.P.M)	Amplitude	Head Diameter x L	Total Length	Weight	Power
Power Supply	12,000 VPM	11mm	32x190mm	12m	5kg	480w

Features						
The handy vibrators provides a construction workers and professionals an easier and lightweight solution to remove air bubbles in the concrete. Our handy concrete vibrators are extremely lightweight at 5kg yet extremely powerful as it generates 12,000 vibrations per minute.						

Portable Vibrator

Portable Petrol Vibrator



Specification				
Model	Engine Type	Power kw (hp)	Flexible Shaft Length m	Vibrator Head Diameter mm
CPV	Honda GX35	1.2kw (1.6hp)	1m, 1.5m, 2m, 2.5m	40mm

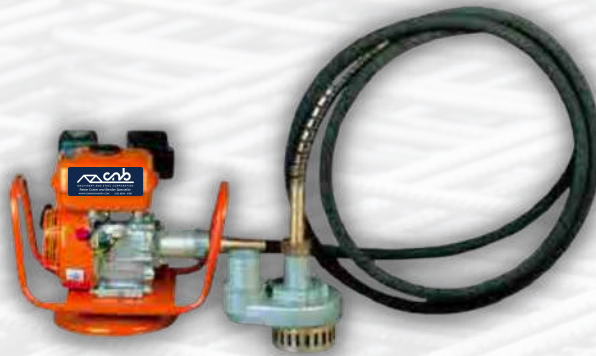
Features				
The portable petrol vibrator gives more freedom to its operators around the site with ease while vibrating the concrete. The machine does not need electric supply or a separate motor. All CVP vibrator models are compatible with this motor.				

4. Submersible Pump

4.1 Submersible Pump

CSP-Series

Submersible Pump



Specification				
Model	Discharge Diameter mm (in)	Max lift m (ft)	Max Capacity l/hr	Weight w/o engine kg (lbs)
CSP2	50mm (2in)	15m (49ft)	1,000 liters	20kg (44lbs)
CSP3	75mm (3in)	18m (59ft)	1,300 liters	21kg (46lbs)

Features

The durability of the submersible pump is guaranteed as it is built with an aluminum casting body. The pump can be easily used in areas without access to electricity. The machine is designed to offer trouble free operation.

5. COMPACTION MACHINE

5.1 Tamping Rammer

CR77R

Tamping Rammer



Specification

Model	Engine Type	Power kw (hp)	Weight kg (lbs)	Impact Force kN	Jumping Stroke cm (in)	Fuel Tank L	Shoe size cm (in)
CR77R	Robin EH12-2D	3kw (4hp)	77kg (169lbs)	14kN	4-8cm (1.5-3in)	2.8L	33*28.5 (12.6*11)



Specification

Model	Engine Type	Power kw (hp)	Weight kg (lbs)	Impact Force kN	Jumping Stroke cm (in)	Fuel Tank L	Shoe size cm (in)
CR72H	Honda GX160	4kw (5.5hp)	72kg (158lbs)	15kN	5-8cm (1.9-3in)	2.8L	35*28.5 (13*11)



Specification

Model	Engine Type	Power kw (hp)	Weight kg (lbs)	Impact Force kN	Jumping Stroke cm (in)	Fuel Tank L	Shoe size cm (in)
CR70H	Honda GX120	3kw (4hp)	70kg (154lbs)	13kN	4-8.5cm (1.5-3.3in)	2.8L	33*28.5 (12.6*11)

Features

The durability of the submersible pump is guaranteed as it is built with an aluminum casting body. The pump can be easily used in areas without access to electricity. The machine is designed to offer trouble free operation.

6. Safety Equipment

6.1 Safety Shoes

4 inch Safety Shoes

For General Work



Specification					
Model	Color	Size	Upper	Midsole	Midsole
PRO6-604	Navy	235-290mm	Eco artificial leather	Integral PU (Double)	Integral PU (Double)



Specification					
Model	Color	Size	Upper	Midsole	Midsole
PRO6-605	Light Brown	235-290mm	Eco artificial leather	Integral PU (Double)	Integral PU (Double)



Specification					
Model	Color	Size	Upper	Midsole	Midsole
PRO6-201N	Charcoal Grey	235-290mm	Eco artificial leather	Integral PU (Double)	Integral PU (Double)



Specification					
Model	Color	Size	Upper	Midsole	Midsole
PRO6-425	Black	235-290mm	Eco artificial leather	Integral PU (Double)	Integral PU (Double)

6 inch Safety Shoes

For General Work



Specification					
Model	Color	Size	Upper	Midsole	Outsole
PRO6-110N	Brown	235-290mm	Eco artificial leather + Microfiber synthetic	Injection PU	Injection PU

