

Quality  
Products

Renowned  
Brand

Professional  
Team

Welding,  
Cutting  
& Safety  
Products

Nationwide  
Network

State of the art  
Manufacturing

## TABLE OF CONTENTS

Welding Cable	3
Cutting Hose	3
Manual cutting blow pipe	4
Nozzle Mixer Cutter	4
Manual Welding Blow Pipe	5
Regulators	6
Argon Torch	7
Flashback Arrester	7
Cutogen Nozzles	7
Welding Holders	8
Earthing Clamp	10
Electrode Oven	11
Pug Cutting Machine	12
Hand Trolley	12
Safety Shields	13
Face Shields	14
Eye Protection	15
Welding Machines	16
Safety Helmet	17
Safety Belt	18
Safety Hooks	20
Fall Arrester	21
Energy Absorber	21
Safety Jacket	22
Dangri	22
Safety Net	23
Ladder	23
Cones	24
Safety Chain	24
Caution Tape	24
Speed Breaker	24
Specification Tables	25



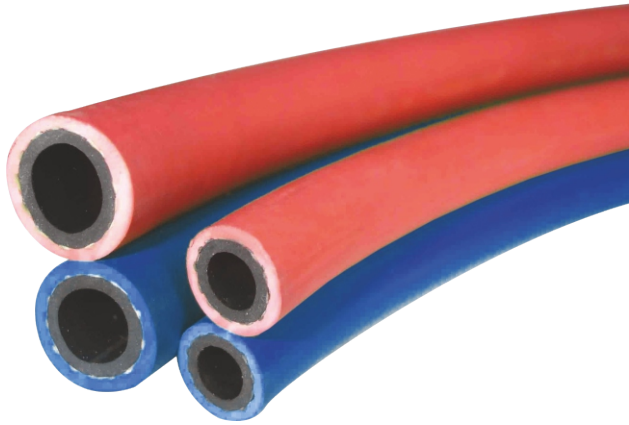


**WELDING CABLE**

Model No. : PWC-01  
 Conductor : Copper/Aluminium  
 Covering : TRS/HOFR  
 Size : 16sq mm - 120sq mm  
 Color : Black/Orange/Optional  
 Packing : 100 meters

Also available ISI marked Elastomer Insulated Cables (PTC-01)

Note : Please refer to Table - 1 & 2 at specification page 30 for more details.



**CUTTING HOSE**

Model No. : PCH-01  
 Material : Rubber  
 Pressure : 18kg (Rubber)  
 Braiding : 2000 Daniel Yarn  
 Outer : Plain  
 Size : 8 mm  
 Color : Red & Blue  
 Packing : 100 meters & above

Note : Please refer to Table - 3 at specification page 30 for more details.



**CUTTING HOSE**

Model No. : PCH-02  
 Material : Rubber  
 Pressure : 18kg (Rubber)  
 Braiding : 2000 Daniel Yarn  
 Outer : Wrapping  
 Size : 8 mm  
 Color : Red & Blue  
 Packing : 100 meters & above

Note : Please refer to Table - 3 at specification page 30 for more details.



**CUTTING HOSE**

Model No. : PCH-03  
 Material : TPR  
 Pressure : 22kg (TPR)  
 Braiding : 2000 Daniel Yarn  
 Outer : Plain  
 Size : 8 mm  
 Color : Red & Blue  
 Packing : 100 meters & above



### MANUAL CUTTING BLOW PIPE

Model No. : PCB-01  
 Material : Brass Forged  
 Gas : Oxygen & Acetylene  
 Size : 450mm/90 degree  
 Nozzles : All sizes  
 Packing : 12 pieces  
 Standard : CE & ISI

Note : Please refer to Table - 4 at specification page 31 for more details.



### NOZZLE MIXING CUTTER

Model No. : PCB-02  
 Material : Brass Forged  
 Cutting Capacity : 300 mm thick MS plate  
 Gas : LPG, Oxygen & Acetylene  
 Size : 450mm/90 degree  
 Nozzles : All sizes  
 Packing : 12 pieces  
 Standard : CE & ISI

Nozzles Size	Thickness to be cut
1/32"	: 6 mm
1/64"	: 12 mm
1/16"	: 100 mm
5/64"	: 150 mm
3/32"	: 200 mm
7/64"	: 250 mm
1/8"	: 300 mm
5/32"	: 400 mm



### MANUAL WELDING BLOW PIPE

Model No.	:	PWB-01
Material	:	Brass
Gas	:	Oxygen with Acetylene/ Hydrogen/Carbide/LPG
Size	:	Small
Packing	:	12 pieces
Standard	:	CE & ISI

Note : Nozzle/Tip hole will be larger in case of Gas Welding with Oxygen-LPG than with other gases.



### MANUAL WELDING BLOW PIPE

Model No.	:	PWB-02
Material	:	Brass
Gas	:	Oxygen with Acetylene/ Hydrogen/Carbide/LPG
Size	:	Standard
Packing	:	12 pieces
Standard	:	CE & ISI

Note : Nozzle/Tip hole will be larger in case of Gas Welding with Oxygen-LPG than with other gases.



**REGULATOR SINGLE STAGE**

Model No.	: PGR-11
Material	: Brass/Forged
Gauge	: Double
Packing	: 24 pieces
Standard	: CE & ISI
Availablilty	: (a) Oxygen, (b) Acetylene, (c) Argon, (d) LPG, (e) Co <sup>2</sup> , (f) Nitrogen, (g) Hydrogen

**REGULATOR SINGLE STAGE**

Model No.	: PGR-12
Material	: Brass/Forged
Availablilty	: Oxygen & Acetylene
Gauge	: Single
Packing	: 24 pieces
Standard	: CE & ISI

**REGULATOR DOUBLE STAGE**

Model No.	: PGR-13
Material	: Brass/Forged
Gauges	: Double
Standard	: CE & ISI
Availablilty	: (a) Oxygen, (b) Acetylene, (c) Argon, (d) LPG, (e) Co <sup>2</sup> , (f) Nitrogen, (g) Hydrogen

Note : Please refer to Table - 5 at specification page 31 for more details.

**LPG REGULATOR SINGLE METER**

Model No.	: PGR-14
Material	: Brass
Packing	: 40 pieces
Standard	: CE





### ARGON TORCH

- Model No. : PAT-01
- Material : Brass/Copper
- Covering : 100% heat proof silicon rubber
- Conductor : 25 sq. mm cable (ISI)
- Length : 4 & 8 meters
- Packing : 6 piece
- Standard : CE



### FLASH BACK ARRESTOR

- Model No. : PFA-01
- Material : Brass
- Gas : Oxygen & Acetylene
- Usage : Regulator & Cutter
- Pressure : 210 Psi (max.)
- Packing : 5 set
- Standard : CE



### CUTOGEN NOZZLES

- Model No. : PCN-01
- Material : Brass/Copper

Material Thickness		Size of Nozzle	Cutting Oxygen Pressure	
m.m.	inch		Kg./ Sq. Cm.	Ib./ Sq. in.
6	¼	1/32-A-8	1.4	20
12	½	3/64-A-12	2.0	30
25	1	1/16-A-16	2.5	35
50	2	1/16-A-16	3.2	45
75	3	1/16-A-16	3.5	50
100	4	1/16-A-16	4.2	60
150	6	5/64-A-20	4.5	65
200	8	3/32-A-24	4.9	70
250	10	7/64-A-28	5.3	75
300	12	1/8-A-32	5.3	75

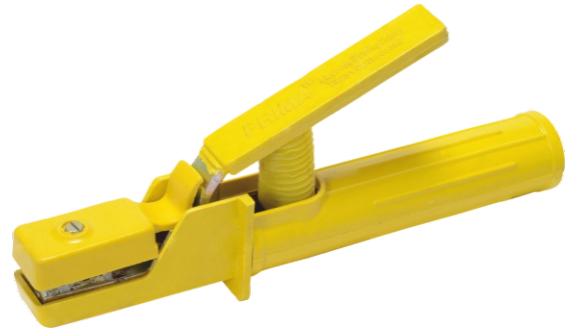


**DELUXE BLUE**

Model No.	: PEH-21
Type	: Fully Insulated
Material	: MS
Cover	: DMC
Current	: 400 Amp
Usage	: 10 S.W.G (3.15mm)
Packing	: 24 pieces

**SUPER YELLOW**

Model No.	: PEH-22
Type	: Fully Insulated
Material	: MS
Cover	: DMC
Amphere	: 600 Amp (light duty)
Usage	: 8 S.W.G (3.15mm)
Packing	: 24 pieces

**RED GRIP**

Model No.	: PEH-23
Type	: Fully Insulated
Material	: Gunmetal & Copper Strip
Current	: 600 Amp (heavy duty)
Usage	: 8 S.W.G (4.00mm)
Packing	: 24 pieces

**AMRON**

Model No.	: PEH-24
Type	: Fully Insulated
Material	: MS
Cover	: DMC & Glass Filled
Current	: 400 Amp
Usage	: 10 S.W.G (3.15mm)
Packing	: 60 pieces

**LAZER**

Model No.	: PEH-25
Type	: Fully Insulated
Material	: MS
Cover	: DMC & Glass Filled
Current	: 400 Amp
Usage	: 10 S.W.G (3.15mm)
Packing	: 60 pieces





**KD-1000**

Model No.	:	PEH-26
Type	:	Fully Insulated
Material	:	M S & Gunmetal
Cover	:	DMC & Glass Filled
Current	:	600 Amp
Usage	:	8 S.W.G (4.00mm)
Packing	:	60 pieces

**HI-POWER**

Model No.	:	PEH-27
Type	:	Fully Insulated
Material	:	M S & Gunmetal (8 copper strip)
Cover	:	Glass Filled
Amphere	:	1000 Amp (light duty)
Usage	:	8 S.W.G (4.00mm)
Packing	:	60 pieces

**GALAXY**

Model No.	:	PEH-28
Type	:	Semi Insulated
Material	:	M S & Gunmetal (10 copper strip)
Cover	:	DMC & Glass Filled
Amphere	:	1000 Amp (heavy duty)
Usage	:	8 S.W.G (4.00mm)
Packing	:	50 pieces

**TANGO**

Model No.	:	PEH-29
Type	:	Fully Insulated
Material	:	Brass Forged
Cover	:	DMC & Glass Filled
Current	:	400 Amp
Usage	:	10 S.W.G (3.15mm)
Packing	:	48 pieces

**BOSS**

Model No.	:	PEH-30
Type	:	Fully Insulated
Material	:	Brass
Cover	:	DMC
Current	:	600 Amp (Heavy duty)
Usage	:	8 S.W.G (4.00mm)
Packing	:	48 pieces

**ACTIVE**

Model No.	: PEH-31
Type	: Fully Insulated
Material	: Gunmetal
Cover	: Glass Filled
Current	: 400 Amp
Usage	: 8 S.W.G (4.00mm)
Packing	: 48 pieces
Standard	: CE & ISI

**JUMBO**

Model No.	: PEH-32
Type	: Semi Insulated
Material	: Gunmetal
Cover	: DMC & Glass Filled
Current	: 600 Amp
Usage	: 8 S.W.G (4.00mm)
Packing	: 40 pieces
Standard	: CE & ISI

**EARTHING CLAMP**

Model No.	: PEC-01
Material	: MS & Copper
Amphere	: 400
Usage	: 10 S.W.G (3.15mm)
Compatibility	: 16sq mm - 35sq mm
Packing	: 72 pieces
Standard	: CE

**EARTHING CLAMP**

Model No.	: PEC-02
Material	: MS & Copper
Amphere	: 600
Usage	: 8 S.W.G (4.00mm)
Compatibility	: 50sq mm - 120sq mm
Packing	: 40 pieces
Standard	: CE





## PORTABLE ELECTRODE OVEN

Model No.	: PEO-01
Capacity	: 5 Kg
Input Supply	: 230V AC $\pm$ 10% Single Phase 50Hz
Input Current	: 0.5A (approx)
Input Power	: 100 Watts
Temperature	: 250°C (max.)
Packing	: 6 pieces
Standard	: CE



## ELECTRODE OVEN

Model No.	: PEO-02
Capacity	: 10 Kg
Input Supply	: 230V AC $\pm$ 10% Single Phase
Input Current	: 5.0A (approx)
Input Power	: 1200 Watts
Temperature	: 50°C ~ 300°C
Control Type	: Thermostatic
Heating Elements:	: 2 (Two)
Shelves	: 2 (Two)
Technology	: Digital & Non-Digital
Packing	: 1 piece
Standard	: CE



## ELECTRODE OVEN

Model No.	: PEO-04
Capacity	: 25 Kg
Input Supply	: 230V AC $\pm$ 10% Single Phase
Input Current	: 5.0A (approx)
Input Power	: 1800 Watts
Temperature	: 50°C ~ 300°C
Control Type	: Thermostatic
Heating Elements:	: 3 (Three)
Shelves	: 3 (Three)
Technology	: Digital & Non-Digital
Packing	: 1 piece
Standard	: CE

**PUG MACHINE**

Model No.	: PPG-01
Capacity	: 0-300mm thick mild steel (approx)
Bevel Cutting	: 75mm thick upto 45° either side of vertical
Speed	: 190 ~ 830 mm
Input Supply	: 230V AC ±10% Single Phase
Motor	: ½ HP electric power with rotary assistant control
Packing	: 2 pieces
Accessories	: Hose nut spanner, head nut spanner and Circle cutting attachment
Standard	: CE

**HAND TROLLEY**

Model No.	: PHT-01
Body	: MS Phospahte Powder Coated
Capacity	: 2 cylinder (Oxygen and Acetylene)
Wheel	: Neoprene Rubber
Pipe	: ERW
Packing	: 1 piece
Standard	: CE





### HAND SHIELD

Model No.	:	PHS-01
Material	:	PVC
Color	:	Black
Packing	:	18 pieces
Standard	:	CE



### HAND SHIELD

Model No.	:	PHS-02
Material	:	Fibre
Color	:	Black
Packing	:	12 pieces
Standard	:	CE



### WELDING HELMET

Model No.	:	PWH-01
Material	:	PVC
Color	:	Black
Feature	:	Flip Front with adjustable ratchet head gear
Packing	:	12 pieces
Standard	:	CE



### WELDING HELMET COMFORT

Model No.	:	PWH-02
Material	:	PVC
Color	:	Black
Feature	:	Flip Front with adjustable ratchet head gear
Packing	:	12 pieces
Standard	:	CE

**FACE SHIELD**

Model No. : PFS-05  
 Size : 6" x 11"  
 Thickness : 1.8 mm (approx)  
 Ergonomics : Elastic  
 Packing : 96 pieces  
 Standard : EN 166



**HELMET WITH FACE SHIELD**

Model No. : PFS-02  
 Size (Face Shield) : 6" x 11"  
 Size (Helmet) : 540-590 mm  
 Thickness : 1 mm  
 Ergonomics : Changeable  
 Packing : 18 pieces  
 Standard : EN 166



**WELDING SHIELD WITH HELMET**

Model No. : PFS-03  
 Material : Polypropylene  
 Size (Helmet) : 540-590 mm  
 Ergonomics : Changeable, liftable welding lense to allow clear view  
 Packing : 12 pieces  
 Standard : EN 166



**TYPE A FACE SHIELD WITH RATCHET**

Model No. : PFS-04  
 Size : 6" x 11"  
 Thickness : 1 mm  
 Ergonomics : Changeable  
 Packing : 60 pieces  
 Standard : EN 166



Type A face shield PFS-06 also available with elastic





### SUPREME

Model No.	:	PEP-01
Lenses	:	Polycarbonate
Coating	:	Hard
Frame	:	Stylish unbreakable
Standard	:	Conforms ANSI-Z-87:1

\*Also available in anti fog



### ICON

Model No.	:	PEP-02
Lenses	:	Polycarbonate
Coating	:	Hard
Frame	:	Over specs
Standard	:	Conforms ANSI-Z-87:1

\*Also available in yellow colour



### ZEN

Model No.	:	PEP-03
Lenses	:	Polycarbonate
Coating	:	Hard
Frame	:	Stylish with soft nose pad
Standard	:	Conforms ANSI-Z-87:1

\*Also available in anti fog



### HARMONY

Model No.	:	PEP-04
Lenses	:	Polycarbonate
Coating	:	Hard
Frame	:	Stylish
Standard	:	Conforms ANSI-Z-87:1

\*Also available in anti fog

**WELDING MACHINE**

Model No.	: PWM-01 (Portable)
Current Range	: 30 ~ 220 A
Current	: 220A (maximum continuous current at 60% DC)
Rating	: 12 KVA at 60% DC
Phase	: Single
Frequency	: 50Hz
Packing	: 1 piece
Standard	: CE

- Available in 250A (PWM-02), 350A (PWM-03) and 450A (PWM-04)

Note : Please refer to Table - 6 at specification page 31 for more details.

**WELDING RECTIFIER**

Model No.	: PWR-01
Current Range	: 20 ~ 400 Amp
Current	: 400A (maximum continuous current at 60% DC)
Rating	: 20 KVA
Open Circuit Volt:	90
Packing	: 1 piece
Standard	: CE

- Available in 600A (PWR-02)

Note : Please refer to Table - 7 at specification page 32 for more details.

**Other welding machines**

- TIG - 400A (PTW-01)
- TIG - 600A (PTW-02)
- MIG - 400A (PMW-01)
- MIG - 600A (PMW-02)

Note : Please refer to Table - 8 at specification page 32 for more details.

















**NAP STRAP**

Model No. : PSH-01  
 Cradle : 4 point textile suspension  
 Size : 540 ~ 590 mm  
 Strap : Adjustable  
 Packing : 100 pieces  
 Standard : CE & ISI

Colors available











 Red	 Yellow	 Green	 M Green	 Orange
 Blue	 L. Blue	 White	 Grey	 Violet



**EXECUTIVE**

Model No. : PSH-02  
 Cradle : 4 point textile suspension  
 Size : 540 ~ 590 mm  
 Strap : Adjustable  
 Sweat Band : Brushed cloth on foam  
 Packing : 60 pieces  
 Standard : CE & ISI

Colors available











 Red	 Yellow	 Green	 M Green	 Orange
 Blue	 L. Blue	 White	 Grey	 Violet



**RATCHED**

Model No. : PSH-03  
 Cradle : 4 point textile suspension  
 Size : 540 ~ 590 mm  
 Strap : Adjustable  
 Sweat Band : Brushed cloth on foam  
 Packing : 50 pieces  
 Standard : CE & ISI

Colors available

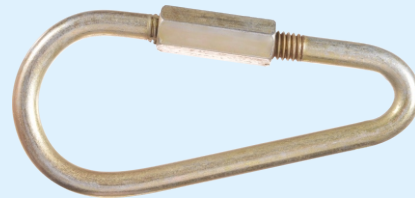
 Red	 Yellow	 Green	 M Green	 Orange
 Blue	 L. Blue	 White	 Grey	 Violet



### CLASS (A) SAFETY BELT

- Model No. : PSB-01
- Webbing Width : PP/Nylon  
(40mm width & 3mm thick)
- PP Rope : 12mm
- Rings : Dorsal D rings
- Strap : Adjustable (chest & thigh  
& sit strap)
- Lanyard : Single
- Hook : Screw Hook PP-101  
(Available in other hooks on request)
- Packing : 25 pieces
- Standard : CE, ISI & DGMS

Also available in double lanyard - Class P Safety Belt (Model no. PSB-02)



### PP16 SAFETY BELT

- Model No. : PSB-03
- Webbing Width : PP/Nylon  
(40mm width & 3mm thick)
- PP Rope : 12mm
- Rings : Dorsal D rings
- Strap : Adjustable (chest & thigh  
& sit strap)
- Lanyard : Double
- Hook : Scaffold Hook PP-105
- Packing : 25 pieces
- Standard : CE, ISI & DGMS



**PP18 SAFETY BELT**

- Model No. : PSB-04
- Webbing Width : PP/Nylon  
(40mm width & 3mm thick)
- PP Rope : 12mm
- Rings : Dorsal D rings
- Strap : Adjustable (chest & thigh)  
& sit strap
- Lanyard : Double
- Hook : Scaffold Hook PP-105  
(Available in other hooks on request)
- Attachment : Fall Arrester System
- Packing : 25 pieces
- Standard : CE, ISI & DGMS

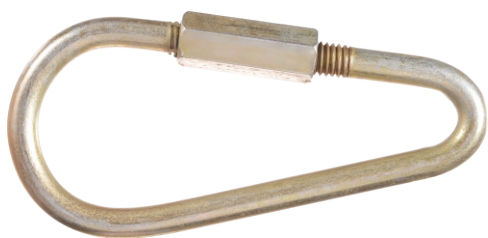


**TOWER HARNESS**

**PGS-56**

- Fully Adjustable with comfort padded waist belt, leg loop and shoulder strap.
- Adjustable shoulder & leg Strap with dual colour scheme for differentiation
- 44 mm polyester webbing with min. breaking strength 23 KN
- Automatic stitching pattern for consistent quality and strength
- Metal type chest strap with easy handling
- Adjustable dorsal high strength forged D-ring, min. breaking strength 25 KN
- Two lateral D-rings for work positioning & one sternal & one ventral D-ring for rescue
- Suitable for fall arrester, work positioning, descent and ascent and rescue service.
- High resistant polyethylene back plate for holding D-ring
- As per EN 358, EN 361 & EN 813





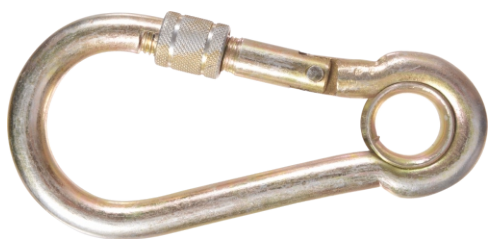
**SCREW HOOK**

Model No. : PP-101  
 Material : Steel Alloy  
 Opening : 19 mm  
 Strength : 23 kN  
 Standard : CE



**STEEL TURN LOCKING HOOK**

Model No. : PP-102  
 Material : Steel Alloy  
 Opening : 17 mm  
 Strength : 25 kN  
 Standard : CE



**STEEL SNAP HOOK**

Model No. : PP-103  
 Material : Steel Alloy  
 Opening : 18 mm  
 Strength : 23 kN  
 Standard : CE

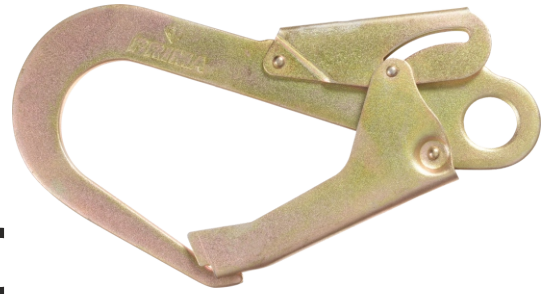


**STEEL SCREW - LOCKING KARABINER**

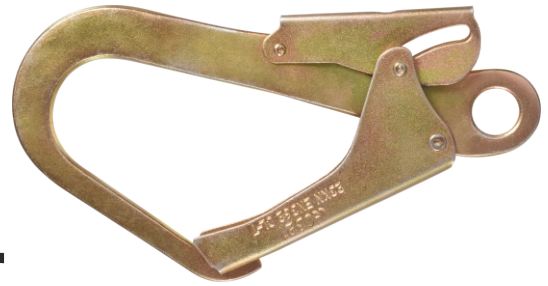
Model No. : PP-104  
 Material : Steel Alloy  
 Opening : 17 mm  
 Strength : 20 kN  
 Standard : CE

**STEEL SCAFFOLD HOOK**

Model No.	: PP-105
Material	: Steel Alloy
Opening	: 55 mm
Strength	: 20 kN
Standard	: CE

**STEEL SCAFFOLD HOOK - FORGED**

Model No.	: PP-106
Material	: Forged Steel Alloy
Opening	: 55 mm
Strength	: 25 kN
Standard	: CE

**FALL ARRESTER**

Model No.	: PFP-01
Working	: 14 mm Polyamide Rope Lanyards
Hook	: Steel Karabiner
Locking System	: Gravity
Safety	: Double security opening
Packing	: 1 piece
Standard	: CE

**ENERGY ABSORBER**

Model No.	: PEA-01
Material	: 44 mm Polyester Webbing
Covering	: Shrink Wrap
Strength	: 6 kN
Optional	: D ring and Karabiner Hook
Packing	: 1 piece
Standard	: CE



**SAFETY JACKET**

Model No.	:	PSJ-01
Fabric	:	Polyester Mesh
Tape	:	Reflective PVC tape (1 & 2 inch)
Locking	:	Optional (Velcro or chain)
Branding	:	Customised
Packing	:	300 pieces

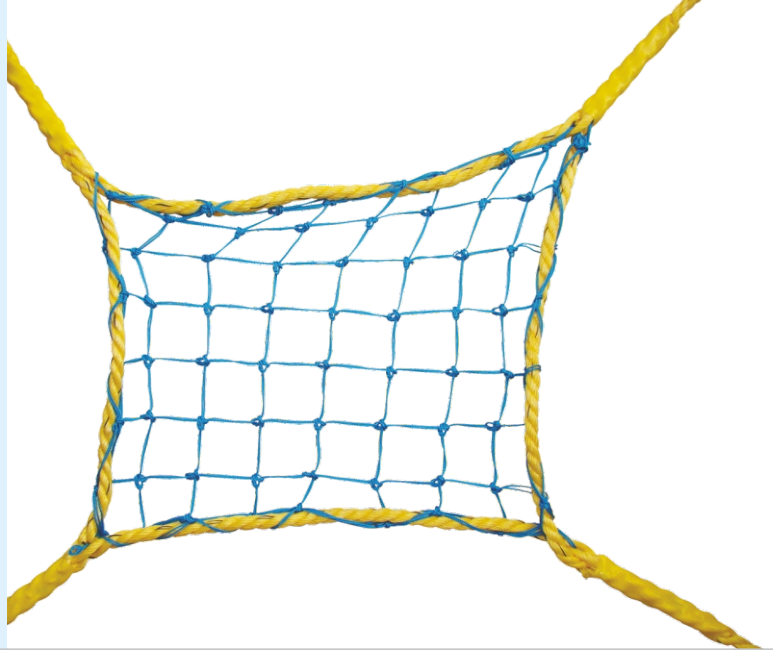
**DANGRI**

Model No.	:	PSD-01
Material	:	350 gsm twill cloth
Closing	:	Zip
Pocket	:	3 (1 back & 2 side)
Packing	:	50 pieces
Color	:	Blue, Orange & Dark Grey
Night Visibility	:	Reflective tape optional
Size	:	S - XXL



**SAFETY NET**

Model No.	: PSN-01
Material	: Polyester/PP
Mesh Rope Size	: 2 mm twin core/4 mm
Mesh Size	: 50 ~ 100 mm
Border Rope	: 12mm (ISI)
Tie Rope	: 12mm
Size	: As per requirement

**LADDER**

Model No.	: PSL-01
Material	: Aluminum & Wooden Step
Rope	: 12 mm (ISI)
Hanging hook	: 2 Screw hook
Width	: 18 inch
Length	: As per requirement



Aluminum Ladder

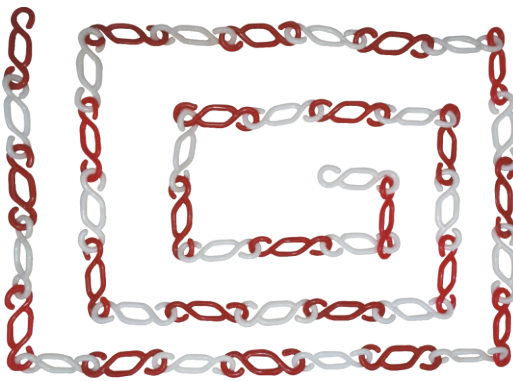
Wooden Ladder





### CONES

Model No.	:	PSC-01
Material	:	PVC
Visibility	:	4 inch reflective band
Size	:	750 x 385 x 385 mm
Packing	:	25 pieces



### SAFETY CHAIN

Model No.	:	PSC-02
Material	:	PVC
Size	:	8 mm x 48 mm
Shape	:	Anchor Type
Length	:	10 meters



### CAUTION TAPES

Model No.	:	PCT-01
Material	:	PVC
Width	:	3 & 4 Inch
Length	:	150, 300 & 500 meters
Branding	:	Customised



### SPEED BREAKER

Model No.	:	PBS-01
Material	:	ABS Plastic
Size	:	350 mm x 250 mm x 50 mm
Reflector	:	Both Side
Length	:	1 meters (4 piece)
Packing	:	20 pieces & 80 Bolts

Table-1: Welding Cable Copper Conductor

Nom. of Area of conductor	No./Dia of wires in mm	Thickness of covering in mm	Current Rating Duty cycles	
			TRS/General (20%)	HOFR (30%)
16 sq.mm	510/0.20 mm	2.00 mm	210 Amps.	246 Amps.
25 sq.mm	796/0.20 mm	2.00 mm	279 Amps.	343 Amps.
35 sq.mm	1114/0.20 mm	2.00 mm	349 Amps.	403 Amps.
50 sq.mm	707/0.30 mm or 1591/.20 mm	2.20 mm	440 Amps.	509 Amps.
70 sq.mm	990/0.30 mm or 2228/.20 mm	2.40 mm	555 Amps.	643 Amps.
95 sq.mm	1344/0.30 mm	2.60 mm	669 Amps.	774 Amps.

Table-2: Welding Cable Aluminum Conductor

Nom. of Area of conductor	No./Dia of wires in mm	Thickness of covering in mm	Current Rating Duty cycles	
			TRS/General (20%)	HOFR (30%)
25 sq.mm	354/.03 mm	2.00 mm	224 Amps.	263 Amps.
35 sq.mm	495/.03 mm	2.00 mm	275 Amps.	321 Amps.
50 sq.mm	707/.03 mm	2.20 mm	347 Amps.	403 Amps.
70 sq.mm	990/.03 mm	2.40 mm	438 Amps.	511 Amps.
95 sq.mm	1344/.03 mm	2.60 mm	530 Amps.	619 Amps.
120 sq.mm	1697/.03 mm	2.80 mm	633 Amps.	738 Amps.

Ambient Air Temp. 40°C Maximun Coud. Temp. 60°C General purpose/85°C HOFR  
Rating factors for variation Ambient Temperature

Ambient Air Temp. (°C)	25	30	35	40	45	50
Rating Factors (Gen. Pur)	1.32	1.22	1.10	1.00	0.86	0.71
Rates factor (HOFR)	1.15	1.10	1.05	1.00	0.94	0.88

Table - 3: Technical Data of Rubber Hose

Nominal Bore Size mm	Tolerance on Nominal Bore Size mm	Tensile Strength		Elongation		Bursting Pressure N/mm <sup>2</sup> Min
		Lining N/mm <sup>2</sup> Min	Cover N/mm <sup>2</sup> Min	Lining Min%	Cover Min%	
5.00	±0.75	5.0	7.0	250	300	5.0
6.00	±0.75	5.0	7.0	250	300	5.0
8.00	±0.75	5.0	7.0	250	300	5.0
10.00	±0.75	5.0	7.0	250	300	5.0

Table - 4: Oxy -acetylene manual blow pipe operating data for mildsteel cutting

Nozle Size Type A		Thickness to be Cut	Pressure of Oxygen
M.M.	Inches	In M.M.	n Kgf / cm <sup>2</sup>
0.79	1/32"	3 - 6	1.5
1.19	3/64"	6 - 19	3.0
1.59	1/16"	91 - 75	4.0
1.59	1/16"	75 - 100	5.0
1.98	5/64"	100 - 150	6.0
2.38	3/32"	150 - 200	7.5
2.87	7/64"	200 - 250	8.0
3.17	1/8"	250 - 300	8.0

**Acetylene Pressure should be 0.15 kgf/cm<sup>2</sup> for all cases**

Table - 5: Pressure &amp; Flow Characteristics of Regulator

Type of Regulators	Rated Inlet Pressure (P1) In Kgf./cm	Rated Outlet Pressure (P2) In Kgf./cm	Standard Discharge Max (Q) In Cu.m./hr	Maximum Discharge Max (Q) In cu.m./hr	Co-efficient of Pressure (R)	Irregularity Co-efficient (I)
2 Stage Oxygen Regulator	200	8	25 ± 25%	25 ± 25%	0.3 Max	-0.3 < I < +0.3
1 Stage Oxygen Regulator	200	8	25 ± 25%	25 ± 25%	0.3 Max	-0.3 < I < +0.3
2 Stage Acetylene Regulator	30	1	2.5 ± 25%	2.5 ± 25%	0.3 Max	-0.3 < I < +0.3
1 Stage Acetylene Regulator	30	1	2.5 ± 25%	2.5 ± 25%	0.3 Max	-0.3 < I < +0.3

Table - 6: Welding Machine Specification

MODEL	PWM-02	PWM-03	PWM-04
Welding Current Range	30-250A	30-350A	60-450A
Max. Cont. Current at 60% D/C	250 A	350 A	450 A
Primary Voltage	230/415	230/415	415
Open circuit Voltage	55V	65V	85V
KVA Rating at 60% D/C	15 KVA	19.5 KVA	28 KVA
Phase	1-2	1-2	2
Frequency	50HZ	50HZ	50HZ
	FORCED AIR COOLED		
Insulation	F	F	F
Type of Output Current Regulation	STEPLESS REGULATION		

Table - 7: Welding Rectifier

MODEL	PWR-01	PWR-02
Max. Cont. Current at 60% Duty Cycle	400 Amp	600 Amp
Supply voltage 3 HP	380/415/440	380/415/440
Primary Current at Max. Output	40A	60A
OUTPUT	D.C.	D.C.
Open circuit Voltage	90	90
Max. Continuous Current at 100% D/C	300	420
KVA-Max. Continuous	20	30
KVA-Max.	26	43.2
Welding Current range (in Two Ranges)	20-400A	20-600A
<b>GENERAL</b>		
Max Ambient temp. to which Rating Apply	40 C	40 C
Class of Insulation	F	F
Type of Cooling	Forced Air Cooled	Forced Air Cooled
Approx. Dimensions (LxWxH) mm	750 x 580 x 760	1060 x 710 x 890
Approx. Weight Kg.	260	360

Table - 8: MIG/TIG Welding Machine

MODEL	PTW-01/PMW-01	PTW-02/PMW-02
Welding Current Range	400A	600A
Input Supply Rating	415 V-3Ph. 50Hz	415 V-3Ph. 50Hz
Open Circuit Voltage	18-52V	19-57V
Welding Current @ 60% D/C	400A	600A
Welding Current @ 100% D/C	320A	480A
Input Supply Rating @ 60% D/C	21.7 KVA	34 KVA
Input Supply Rating @ 100% D/C	17 KVA	27 KVA
Cooling	Forced Air Cooled	Forced Air Cooled
Insulation Class	F	F
Dimension (LxWxH)	790 x 510 x 725	870 x 600 x 820
Weight (Approx)	204	345
<b>WIRE FEEDER</b>		
Wire Size	Steel	0.8-1.6mm
	Aluminium	1.2-1.6mm
Speed Range Min.	0-18	0-18
Drive	2 Roll	4 Roll
Control	PRINTER	CIRCUIT
Overall Dia mm	300	300
Bore mm	50	50
Weight (Approx)	10	10
Torch	36 KD	40 KD



PH: +91 8080 435363

WEB: [www.knr2b.com](http://www.knr2b.com)