

# ROOF ACCESS HATCH

## American Standards

Made by NIPRAS STEEL FACTORY



**NMG** NIPRAS  
METAL GROUP

info@nipras.sa www.nipras.sa



رؤية  
2030  
الجمهورية العربية السعودية  
KINGDOM OF SAUDI ARABIA



# ABOUT US

**NIPRAS METAL GROUP** is a diversified private enterprise and a Saudi organization established in 2010 with a vision to be a preferred partner for our valuable clients in supplying quality and cost effective building construction and Architectural engineering solutions. Since the establishment of NIPRAS, we have been partnered with major organizations in the kingdom to consistently serve their projects and, we have engaged closely with many key contractors and consultants by meeting their expectations in providing high-quality and certified construction and Architectural products. NIPRAS group operates its business units from three divisions in manufacturing, supplying and sub-contracting of various Architectural products such as Roof Hatch Access, Gratings, Railings, Raised Floors, Garbage Chute System, Cable tray management solutions, and all types of stainless steel & metal fabrication and other building construction materials. The company has two production lines of Architectural products and cable management systems.

At NIPRAS we always strive hard to supply and meet our client's requirements with high-quality products quickly and efficiently. The company adopts modern management concept, adheres to survival by quality and development by integrity, and gradually boarded the local competition platform. We rely on service to enhance the client relationship, sincerely create value for customers, and provide customers with high-quality and reliable products and wholehearted service. Our company has advanced production equipment which guarantees the most advantageous product quality and efficiency.

NIPRAS is accredited through various quality certifications and standards meeting all project's technical criteria and consultant approvals. We are an ISO-1519 certified company to ensure the quality, safety, and efficiency of our products. We gain trust of our existing clients and new customers with the best products, the best quality, competitive price and the most perfect service.



## OUR VISION

NIPRAS strives to strengthen its manufacturing base in the steel industry to serve the kingdom and contribute to its vision through effective utilization of staff and materials with cutting-edge technology and high productivity, consistent with modern management practices.

## OUR MISSION

To be a preferred partner for our valuable customers and consistently exceeds our customer's needs and expectations in quality, delivery, and cost through continuous improvement and enhancing customer satisfaction. We go all out to manufacture, deliver and supply superior steel and metal products to our clients utilizing sustainable procedures that meet the international standards.



## OBJECTIVES

- The aim of NIPRAS is to fabricate steel and metal work in the construction sector by the development of standards to turn raw metal into Architectural engineering solutions that can be used in construction.
- To assist clients, kingdom wide, by providing Architectural engineering solutions and expertise.
- To expand our business by offering the best in quality, cost and solutions.
- To provide our employees with the opportunity to develop their full potential within a safe and productive environment.
- To seek a competitive advantage by developing partnerships with clients, suppliers and subcontractors.



## OUR ADDRESS:

### NIPRAS STEEL FACTORY

Prince Mohammed Bin Abdulrahman Road,  
Sulay, Exit 18

P.O. Box 236300, Riyadh, 11332, Saudi Arabia

Email: [info@nipras.sa](mailto:info@nipras.sa) Website: [www.nipras.sa](http://www.nipras.sa)

Tel: +966 11 4151138



## RESEARCH & DEVELOPMENT

VR & D refers to two intertwined processes of research (to identify new knowledge and ideas) and development (turning the ideas into tangible products or processes). Our Research and development (R&D) department includes activities that we undertake to innovate and introduce new products and services.

### NIPRAS R&D'S MISSION IS TO:

- Develop products that create value for customers and expand the use of NIPRAS products worldwide
- Improve NIPRAS competitiveness by developing new industrial processes – and optimising existing ones – to reduce cost and improve quality
- Contribute to sustainable development by reducing the environmental impact of products and processes
- Continuously upgrade NIPRAS scientific knowledge and attract technical talent

### TECHNICAL TEAM



Lead with Engineers and other professionals at NIPRAS TECHNICAL DEPARTMENT, we access a vast array of advanced, highly sophisticated testing, modelling, failure analysis and other resources to develop the next generation of products, where the future is born.

Technical Division is entrusted with the work in respect of various subjects of technical nature via Research & Development, Energy & Environment Management, Standardization & Quality Control of products ETC. The work being dealt with by this division may be grouped under few categories namely,

- Research & Development in Metal & Steel Fabrication
- Technical Regulations on the Products to promote quality
- Technical Inputs on the ongoing / future products ETC.

## SOCIAL RESPONSIBILITY

We "NIPRAS" ability to sense, understand and react to others emotions while comprehending on social networks. (Social awareness which encompasses the competency of empathy is the ability to read non-verbal cues for negative emotions, particularly anger and fear and to judge the trustworthiness of others. It is about understanding others feelings, not experiencing them (Garner, 2009). NIPRAS accentuates on an individual's ability to identify, perceive and react to other's emotions while being a part of the social network circuitry. NIPRAS understand the ability to and be compassionate to the feelings, views, opinions and challenges of other people. Social-awareness cannot only be equated with understanding people's need but as well as caring for them (Coleman, 2006).



### EMPLOYEES

At NIPRAS we empower our employees to leverage the corporate resources at their disposal to do well. Being a socially responsible company can bolster a company's image and build its brand.

### CIVIL SOCIETY

According to the Saudi Youth in Numbers report, 37% of the Saudi population is under 25. This entails that the youth will play a more significant role in undertaking the paths set by Vision 2030 and inheriting the future it's attempting to build. NIPRAS gives our platform to the young for developing their sense of civic responsibility, involvement, and interconnectedness. Opportunities to equip the upcoming generation with the necessary skills and motivation to become active participants in their communities

### CUSTOMERS

A business cannot work without consumer. The survival and growth of business depends on consumer satisfaction, service and support. "NIPRAS" winning the confidence of our customers made it possible by following a positive attitude towards customers and fulfilling our social responsibilities by providing them

- Quality
- Fair Prices
- Honest advertising
- After sales service
- Research & Development for their requirements
- Safety
- Regular supply



# ENVIRONMENT

NIPRAS understands the nature of the relationship between corporate adoption of the concept of societal responsibility [availability of environmental awareness, clear vision of the impact of societal responsibility on financial performance, managers informing employees of the latest developments in societal responsibility programs, managers' response to their corporate social responsibility (CSR) proposals] in the form of an annual report that supports the success of the company's objectives, the company's management encourages employees to participate collectively in societal responsibility programs and to protect the environment from pollution in the industry.



## EMPLOYEES

### BEING A COMMITTED EMPLOYER

- Develop talents & encourage leadership and collaborative management.
- Promote diversity & global thinking



## CUSTOMERS

### BEING AN OUTSTANDING PARTNER FOR OUR CLIENTS

- Provide innovative & sustainable high-quality solutions that meet our customers requirements.
- Build long-term trusting relationships



## CIVIL SOCIETY

### SERVE CIVIL SOCIETY

- Boost innovative and establish partnership with academic and scientific communities
- Act ethically & responsibility



## ENVIRONMENT

### BEING AN ENVIRONMENTALLY FRIENDLY PLAYER

- Develop solutions that will help reduce environment footprint of manufacturers and comply with regulatory requirements.
- Limit the environment impact of our global offices



## HEALTH AND SAFETY

"NIPRAS" as a manufacturing Company for Metal & Steel Products has a large number of hazards because of the strong internal as well as external forward and backward linkages in terms of material flows. Employees are to work in hazardous environment because of complicated equipment layouts, high temperatures, heavy equipment's, moving machinery, hazardous processes, heavy lifting and movements of materials in the work environment ETC. Further, several operations involve working at heights or in confined spaces. In short, working involves both very high volume as well as the complexity of operations which results into employees getting exposed to a high level of health and safety risks.

The health, safety, and protection of our employees, equipment, and the environment are perfectly calculated and implied as a crucial since it affects both economic and social factors.. On the other hand, a healthy and safe workplace contributes towards plants competitiveness as well as in profit growth.



Eye protection must be worn



Safety helmets must be worn



Ear Protection must be worn



High visibility clothing must be worn



Face mask must be worn



Safety footwear must be worn

# NIPRAS STEEL FACTORY

## For Metal Works

### NSF ROOF ACCESS HATCH

We at NIPRAS STEEL FACTORY (NSF) offer a complete line of roof access and safety products that meets life safety and building code requirements



**NSF Roof Access hatches** provides direct access to roof top areas and are designed with many features and options to ensure safe access for maintenance.

**Roof Access Hatches** are available in wide range of sizes and are custom made upon request. NSF ensures the best selection for our customers whether it is for simply gaining access to the roof or installing and removing equipment from the building.



# NIPRAS STEEL FACTORY

For Metal Works

## MODELS



**Model NRH 3636**  
Opening size  
36" X 36" (914 X 914) mm



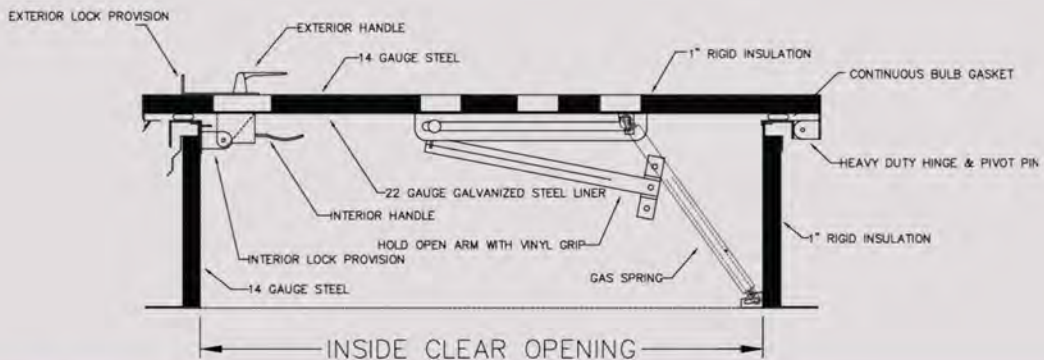
**Model NRH 3054**  
Opening size  
30" X 54" (762 X 1372) mm



**Model NRH 3096**  
Opening size  
30" X 96" (762 X 2438) mm

## TECHNICAL SPECIFICATIONS

Curb	fully welded & assembled 14 GA galvanized steel
Cover	14 GA galvanized
Insulation	Minimum 1" thick R7.2 curb & Cover
Perimeter seal	full perimeter heavy duty bulb gasket
Hinges & latches	12 GA galvanized steel with padlock hasp
Handle / Release	inside and outside handle / release
High Performance gas spring, hold open arm with vinyl grip	
Stainless steel hardware	



# NIPRAS STEEL FACTORY

For Metal Works

## Large size roof hatches

Since the establishment, NIPRAS has always strived to improve and fulfill all our customers requirements.



Large size roof hatches or Roof scuttles can be customized in different sizes upon request. The opening size of large roof scuttle varies from 1 meter to 5 meters in length and 3 to 4 meters wide.

Roof scuttles are mainly required for equipment access in large industrial areas and residential areas for accessing the generator room, pump rooms.

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RH large Roof hatches are available in several materials. Including galvanized steel, Aluminum, or stainless steel. Galvanized steel is finished with white powder coat or cool eco white water-based paint.

The hatch covers are insulated to keep heat in during winter and to repel the sun's heat in summer. The rigid polysterene foam insulation in the covers provides U-factors ranging from 0.093 to 0.173. Curbs are insulated with 1" thick rigid fiberboard insulation.

# NIPRAS STEEL FACTORY

For Metal Works

## Skylights - Roof Lantern



NIPRAS possess the capacity to produce skylights and roof lanterns which gives our customers a new and decorative look for their homes, villas, malls, and offices.

These beautifully designed, innovative products are completely in line with our ambition to supply high quality lanterns that allow versatility and flexibility of choice. Our designs have been carefully thought out and cleverly executed to bring engineering excellence and a beautiful, refined design together. With minimum sightlines, you will be able to enjoy panoramic views of the sky above.

These roof lanterns and skylights are known for its luxury aesthetic and premium designs. The design and structure work perfectly alongside each other.

We have the ability to achieve U-values as low as 1.2 m<sup>2</sup>/k, which gives excellent thermal efficiency. The roof lanterns feature thermally broken eaves beams, isolation of internal and external profiles and high-performance glazing. These roof lanterns are able to hold 8 tons in weight, extra safe, with a secure glass lock system and tamper-proof fasteners



# NIPRAS STEEL FACTORY

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## MATERIAL CHOICE

An important consideration when selecting a roof hatch is its material. Cost, aesthetics, maintenance, and access location. NSF provides roof hatches in galvanized steel, aluminum, and stainless steel.



### Galvanized steel hatch (2mm Galvanized) Commonly used

- Basic degree of corrosion resistance
- Primer finish

### Aluminum hatch (2mm Gauge) slightly expensive

- Medium level of corrosion resistance
- Mill finish

### Stainless steel hatch (T 304, 2 mm) very expensive

- High level corrosion resistance
- Mill finish
- Powder coating

## SIZE MATTERS

A building's type and size generally will determine the method of egress, which in turn, determines the size of roof hatch size.

NSF roof hatches comes in standard opening sizes, the opening sizes can be customized as per customer's request.

Roof hatch is defined by measuring its inside frame opening, and the roof opening should be roughly the same as the hatch size

# NIPRAS STEEL FACTORY

## For Metal Works

### MORE STANDARD SIZES AND SHIPPING WEIGHTS

MODEL	INSIDE CLEAR OPENING	ALUMINUM WEIGHT (KGS)	STEEL WEIGHT (KGS)	LIVE LOAD
NRH 3030	30" X 30"	64	84	195.2 kg/M2
NRH 3036	30" X 36"	65	86	195.2 kg/M2
NRH 3048	30" X 48"	80	90	195.2 kg/M2
NRH 4242	42" X 42"	73	95	195.2 kg/M2
NRH 4848	48" X 48"	74	100	195.2 kg/M2

### SAFE, EASY OPERATION

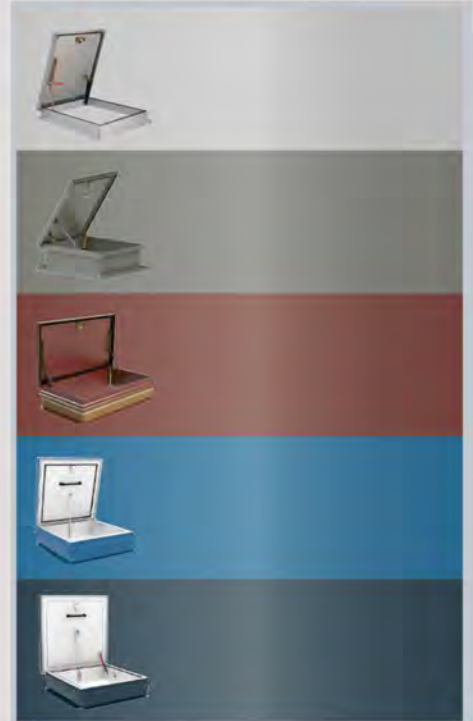
Operation is one of the key factors to consider when selecting a roof hatch. NFS provides a very comfortable access to the workers in need to raise a hatch upward from inside while standing on a ladder or stairs, often with tools in hand. Every hatch fabricated by NSF is equipped with lifting mechanisms to ensure smooth, easy operation and minimize the effort required to open and close the hatch.



# NIPRAS STEEL FACTORY

For Metal Works

## FINISHES



### 1. HOT DIP Galvanizing After Fabrication

As per:  
ASTM A123 / ASTM A 153 / ISO 1461 /  
BS 729 / DIN 50976

### 2. Mild steel – Galvanized Continuously Pre-Galvanized Hot Dip zincoated steel DX 51D + Z

As per:  
EN 10327 DIN 17162 / BS 2989  
/ ASTM / A527M /ASTM A653 M JIS  
G 3302. EN 10142 / ASTM A 526, 527,  
528 / ASTM A 146

### 3. ZINC Electroplating After Fabrication

As per:  
ASTM B633 / EN 12329 / ISO 4042 /  
BS 1706 / BS 3382 DIN 50961

### 4. Powder Coating

Epoxy / Polyester / epoxy and  
Polyester / bs 3900 / 2409 iso  
1519 / iso 1520

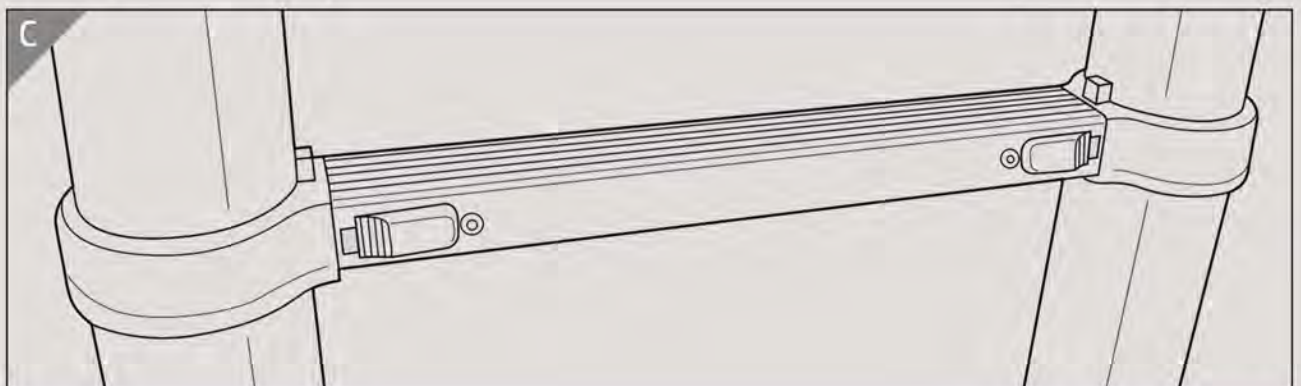
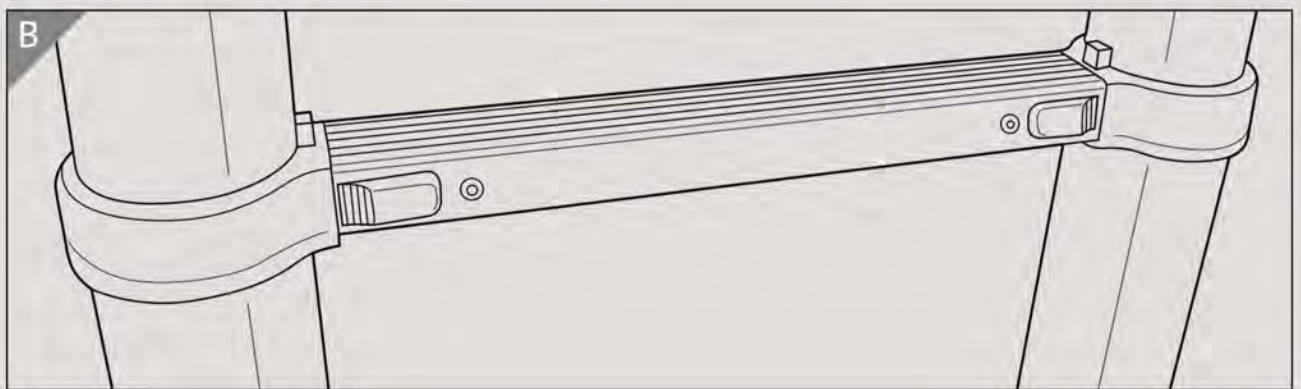
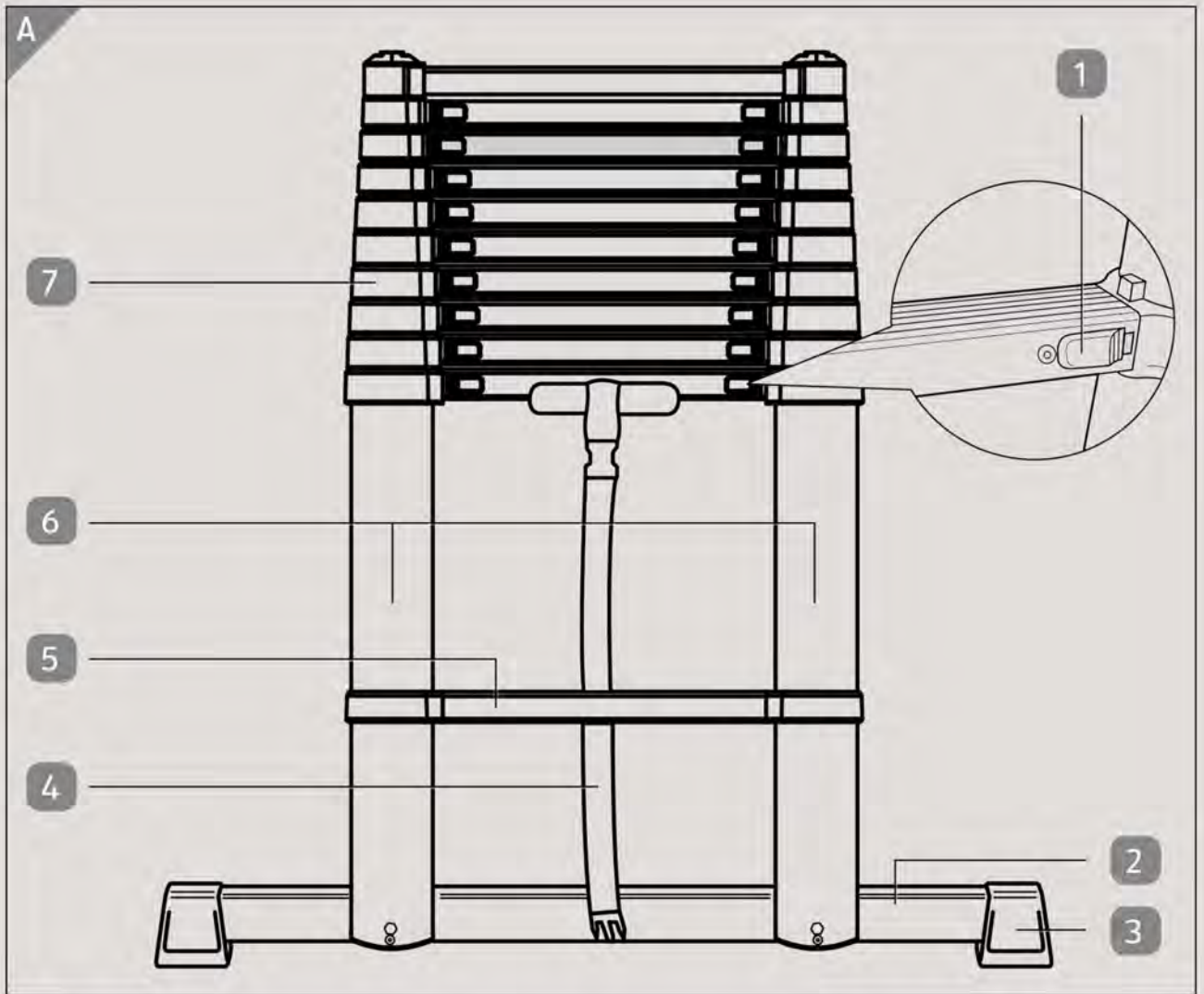


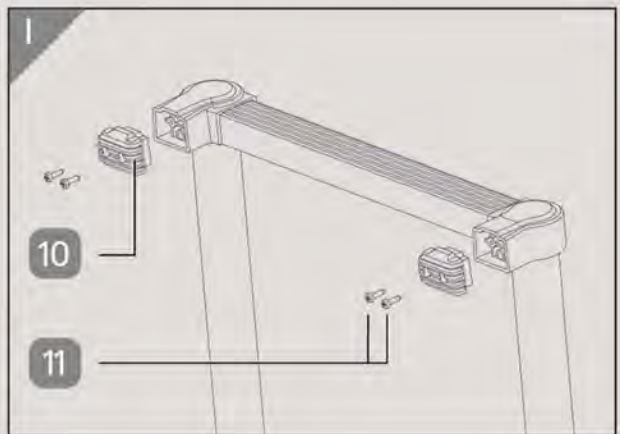
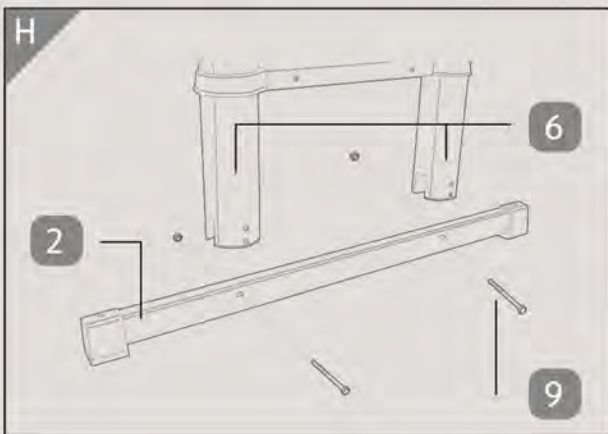
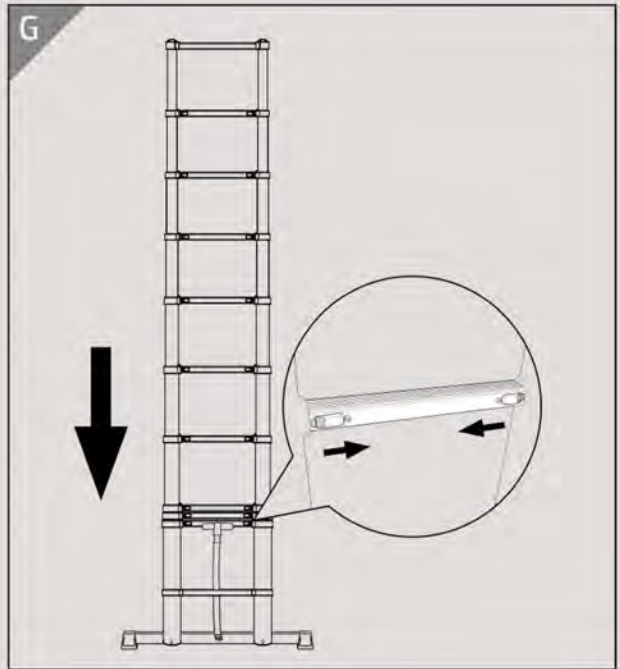
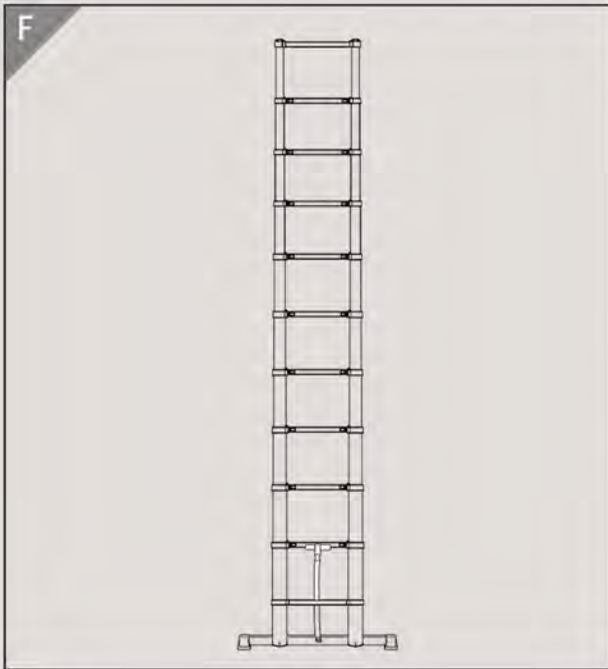
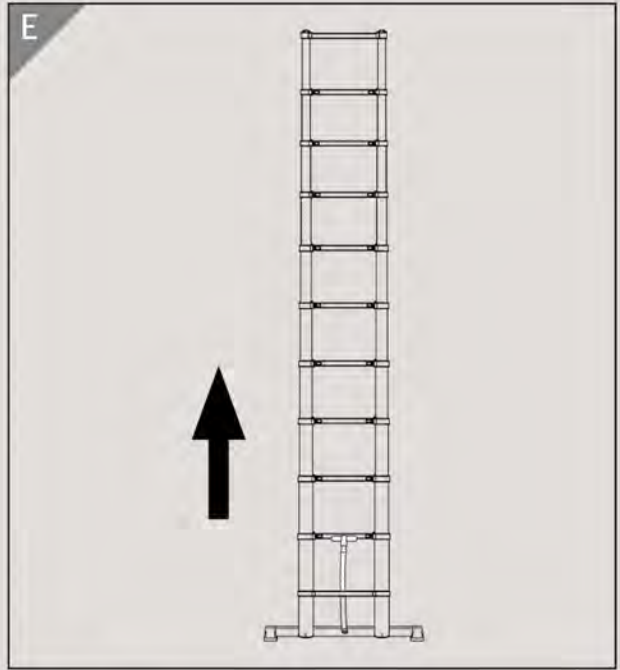
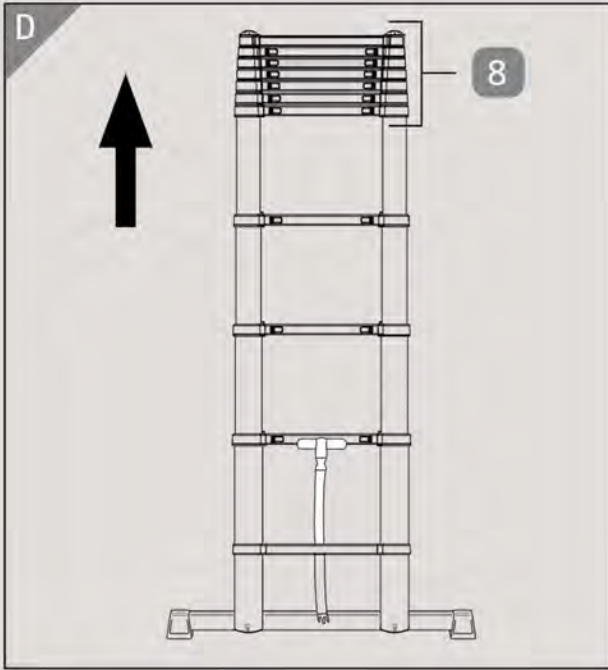
# NSF GUIDE TO SAFETY ROOF HATCH LADDERS



**ALUMINIUM TELESCOPIC  
LADDER 3.27 M**







# Package contents/product parts

**1** Unlock key (locking device)

---

**2** Support foot

---

**3** Non-slip cap (support foot)

---

**4** Strap

---

**5** Rung

---

**6** Beam

---

**7** Protective cap (rung)

---

**8** Upper block (with ladders not extended to the maximum length)

---

**9** 9 2 × Hexagon bolt with nut

---

**10** 10 2 × Protective cap (wall)

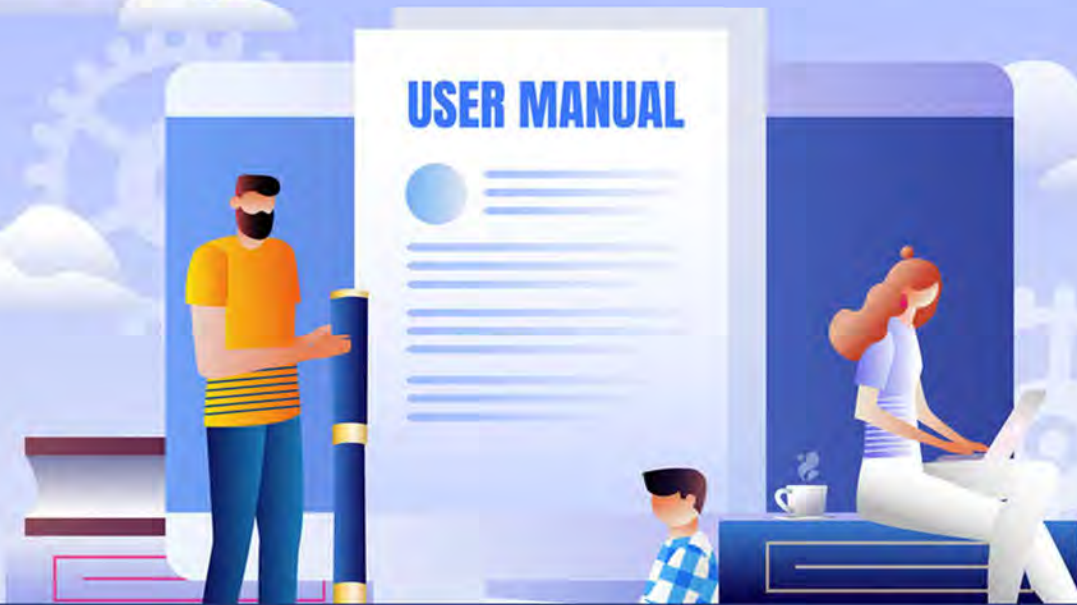
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**11** 4 × Screw

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# General information

## Reading and storing the user manual



This user manual accompanies this aluminium telescopic ladder 3.27 m (referred to below only as the “ladder”). It contains important information about safety and use. Before using the ladder, read the user manual carefully. This particularly applies to the safety instructions. Failure to heed this user manual may result in severe injury or damage to the ladder. The user manual is based on the standards and rules in force in the European Union. When abroad, you must also observe country-specific guidelines and laws. Store the user manual for future use. If you pass the ladder on to third parties, please be absolutely sure to include this user manual.



### **WARNING!**

This signal symbol/word designates a hazard with moderate risk, which may result in death or severe injury if not avoided.



### **CAUTION!**

This signal symbol/word designates a hazard with low risk, which may result in minor or moderate injury if not avoided.

### **NOTICE**

This signal word warns against potential damages to property.



This symbol provides you with additional useful information regarding handling or use.

**Read and understand the user manual before using the ladder.**

# General information



Climbing sideways off the ladder is not permitted.



Make sure that the floor at the installation site is not contaminated.



Only set up the ladder on solid ground.



Only one person is permitted on the climbable side of the ladder.



When transporting the ladder, pay attention to risks posed by power lines.



Do not use the ladder to bridge distances.



Always face the ladder while climbing up and down it.



Make sure that you lean the top end of the ladder correctly.



Do not use the ladder on a unlevel or unfirm base.



When using the ladder observe the correct set-up direction.

## NSF ProSeries Telescopic Ladders



### Specifications

- Warranty: 3-year
- Max Load: 150kg
- Standard: EN131-6: PROFESSIONAL
- Material: Anodized Aluminum
- Recommended Usage: Regular

### Common Dimensions

- Rung Depth: 35mm
- Distance Between Rungs: 300mm

## Product Description

Nipras Steel factory (N S F) for metal industries was established in the year 2010 and is primarily engaged in manufacturing and supervision of metal and steel construction products. N S F products reflect its commitment to high standards of quality, safety, consistency, and accurate measures. In this fast-growing manufacturing industry, N S F has always maintained its standards locally and globally.

## Features

- Features built-in wall standoff & automatic deploying stabiliser bars
- Aerospace Engineered aircraft grade aluminium alloy for maximum strength
- Dielectric Compliant - Insulated up to 1,000Volts
- Developed with Patented True Telescoping Technology
- Clean-touch Anodised finish keeps your hands oil free
- Double sided feet for durability & traction with padded carrying handle for easy carrying

# NSF ProSeries S2.0 Telescopic Ladders

## Product Dimensions

SKU	Rungs /Sections	Closed Length (mm)	Last Climbing Height (mm)	Approx. Working Height <sup>1</sup> (mm)	Extended Length (mm)	Width (mm)	Stabiliser Bar Width (mm)	Depth (mm)	Nett Weight (kg)
1303-080	11 x 1	840	2300	3900	3230	620	863	101	12.6
1303-081	13 x 1	899	2900	4500	3832	618	875	106	15.5

Working height is calculated as 1,600mm plus platform height or last climbing tread, whichever is appropriate. Ladders set at an angle of 75° degrees.

## Shipping Dimensions

SKU	Shipping Length (mm)	Shipping Width (mm)	Shipping Depth (mm)	Shipping Volume (m <sup>3</sup> )	Gross Weight (kg)
1303-080	880	655	136	0.078	14.10
1303-081	940	655	140	0.086	16.95

Packaging Material — Cardboard Carton/Polystyrene/Polywrap

## RANGE OF PRODUCTS

### Cable Management System

NIPRAS having a wide range of products for cable Management System, Architectural Engineering Solutions, Building Material and more that are characterized in below categories to support the best interest for our customers.



Cable Tray & Accessories



Cable Ladder & Accessories



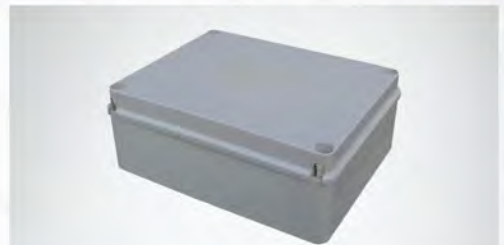
Cable Trunk & Accessories



Wire basket Tray & Accessories



Base plate



Electrical Boxes



EMT Conduits



HFT - Crimped Terminal Lugs



Control panel boxes



C - Channel



# Architectural Engineering Solution



Roof Access Hatch



Handrail



Garbage & Lenin Chute



Access Raised Floor



Lockers



Ladders



Gratings (Steel/Galvanized)



Steel Bollards



Fence



Toilet Partitions



Metal Gates



Entrance Mats



Expansion Joint System



Tile & Carpet Trim



Impact Protection



Stair Nosing

# Block work & Plastering Accessories



Block Reinforcement



Steel Lintel



Adjustable head restraint



Angle Bead



Plaster Stop Bead



Control Joint



Architrave Bead



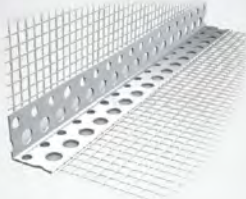
Movement Bead



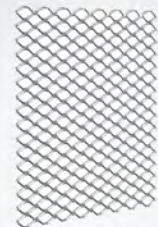
Depth Gauge Bead



Corrugated strip & Angel



Corner Mesh



Metal Sheet Lath



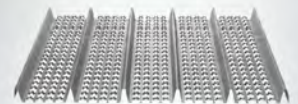
Strip Mesh



Coil Bath



Expanded Metal Rib Lath



HY-Rib Lath

# Concret Form Work Accessories



Plywood



Tie Rods & Accesories



Timber



PVC Pipes



PVC Cones



PVC Chamfer



Rapid Clamp



Shutter Clamp



Concrete Spacer



Plastic Spacer



Steel Wire Mesh



Binding Wire

# Water Proofing & Thermal Insulation



Bitumen Membrane



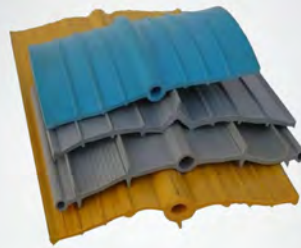
Rock Walls



Geotextile



Extrude Polysterene



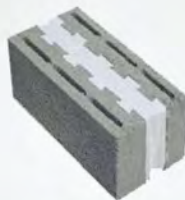
PVC Waterstop



Protection Board



Liquid Membrane



Expanded Polysterene



Foam Backing Rods



Polyethelene sheets



Cork Sheet

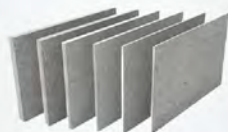


Flashing Aluminium

# Gypsum Partitions & Suspended Ceiling



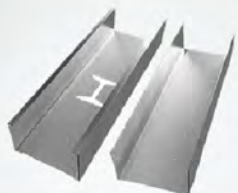
Gypsum Board



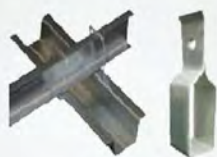
Cement Board



Access Panel



Studs & Runner



Ceiling Furring Channel & Channel Bracket



Perimeter & Dry Wall Angle



Furring Channel



Adjustable Rod Hanger



C-Bracket



Joint Mesh



Wire Connecting Clip



Gypsum Putty



Dry Wall & Self Drilling Screws

# Pipe Clamp , Hangers & Fixing Letring



Pipe Clamp with Rubber



Long Nut Pipe Clamp



Channel Clamp



U Clamp



Pipe Clamp (SNAP)



Beam Clamp



Conduit Clamp



Clevis Pipe Hanger



Adjustable Band Hanger



Drop in Anchor



Anchor J Bolt



Steel U-Bolt

# Cladding Accessories



Z-Bracket with Returned Leg Horizontal Joint



Returned Leg Bracket



Up & Down Bracket



L- Bracket



Unistrut Support System & ETC



Anchor Bolt



Through Bolt



Sleeve Anchor Flange Nut



Hex Bolt with Nut Washer & Spring Nut



Quality

## QUALITY POLICY

NSF is fully committed to a quality policy which ensures delivery of its products and services “defect free on time”. NSF provides quality management, co-ordination, production and processing, manufacture, and installation services throughout KSA and sometimes outside KSA. Since the establishment, NSF is primarily engaged in providing Architectural Engineering solutions in the market and aims to achieve a high standard of production and trading services.

• NSF possess the policy to:

- Manufacture and supply products which fully confirm to the customer’s requirements, relating to quality, reliability and delivery.
- Use the company’s considerable experience and knowledge in the production of standard products to assist customers in the cost-effective design and development of both existing and new products.
- Ensure that suppliers of raw materials, goods and services confirm to all requirements and are of a consistently high quality, to enable the company to achieve its commitments to all customers.
- Recognize that the responsibility for quality lies with all employees of the company and hence to stimulate and encourage interest and pride in their work.
- Hold frequent Quality Management System review meetings to enable continual review of the suitability of the Quality policy and all aspects of the Quality Management System.

These requirements of Quality Policies are compared to the requirements of ISO 9001:2015- Quality Policy. NSF strives to eliminate





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