

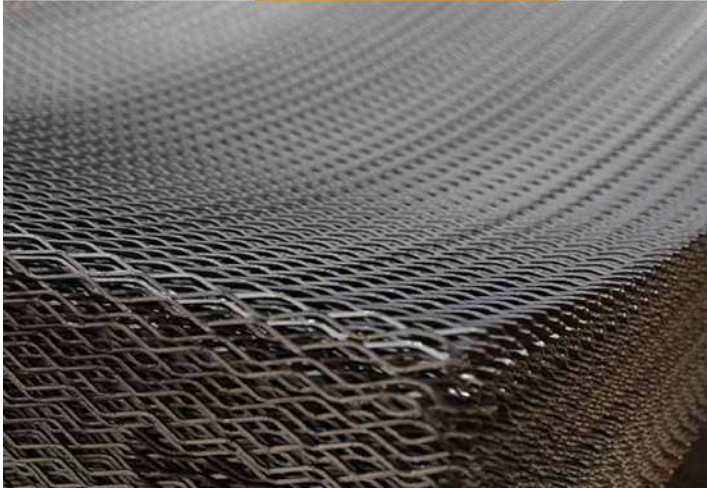
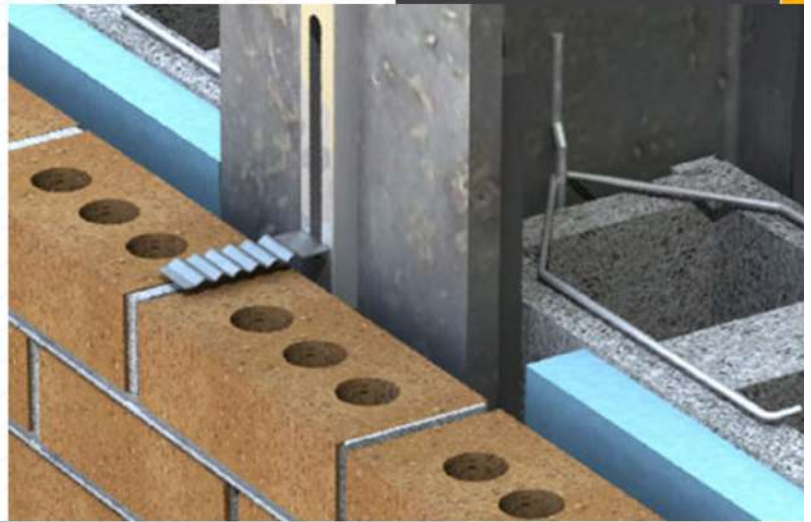


**NIPRAS**  
METAL GROUP



شركة نبراس المعادن للتجارة  
NIPRAS METAL TRADING Co.

# Blockwork & Plaster ACCESSORIES



رؤية VISION  
**2030**  
المملكة 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

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.

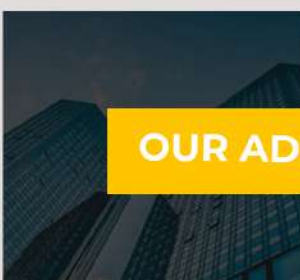
## OUR MISSION

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.



## 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

- 1** Develop products that create value for customers and expand the use of NIPRAS products worldwide
- 2** Improve NIPRAS competitiveness by developing new industrial processes – and optimising existing ones – to reduce cost and improve quality
- 3** Contribute to sustainable development by reducing the environmental impact of products and processes
- 4** 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,

- 1** Research & Development in Metal & Steel Fabrication
- 2** Technical Regulations on the Products to promote Quality
- 3** 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.



### 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 & fulfilling our social responsibilities by providing them

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

### 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, interconnectedness. Opportunities to equip the upcoming generation with the necessary skills and motivation to become active participants in their communities



## 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 & 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



Eye protection  
must be worn



Safety helmets  
must be worn



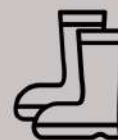
Ear Protection  
must be worn



High visibility  
clothing must  
be worn



Face mask must  
be worn



Safety footwear  
must be worn



# BLOCKWORK **ACCESSORIES**



## MATERIAL & FINISHES

Hot rolled steel S235JR as per EN 10025 / ASTM A-1011 CS Type B (formerly ASTM A569 or ASTM A570)

Cold rolled steel DC01 as per EN 10130 / ASTM A 1008 CS Type B (formerly ASTM A-366) and then:

Hot-dip galvanized as per BS EN 1461 (formerly BS 729) / ASTM A 123 / ASTM A 153/A 153M, or Electro plated as per EN 12329 / ASTM B633 (Electro deposited coatings of zinc on iron and steel) Pr-galvanized steel DX51 D +Z as per EN 10346 G120, G180 (G275 is available upon special request) which supersedes EN 10327 which is a replacement of EN 10142 which in turn supersedes BS 2989 /ASTM A653M zinc coated (hot-dip galvanized) iron and steel CS (Commercial) or SS (structural) quality G60 and G90 is available upon special request (formerly ASTM A527M) / ASTM A924 (coating) (formerly A525)

## SPECIFICATIONS

Steel Lintels - manufactured to BS 5977: Part 2 : 1983 / BS5950 Wall Ties- manufactured to BS EN 845-1:2003 ( Formerly BS 1234)

Block Reinforcement Ladder and Truss - manufactured as per ASTM A82 / ASTM A951 /BS 845-3: 2003 /

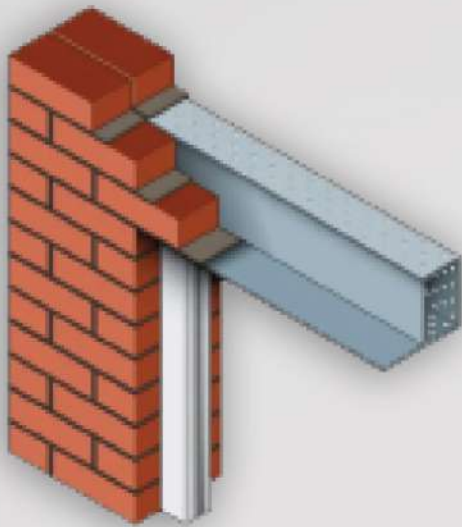
ASTM A1064/A1064M / ASTM A641/A641M, Class 1-3 / ASTM A153/153M Epoxy or polyester coating adhesion is according to ASTM D3359-83 on galvanized steel sheet

## LINTELS BRACKETS

Brackets are supplied with fixing holes to suit metal expansion anchor sizes as specified below

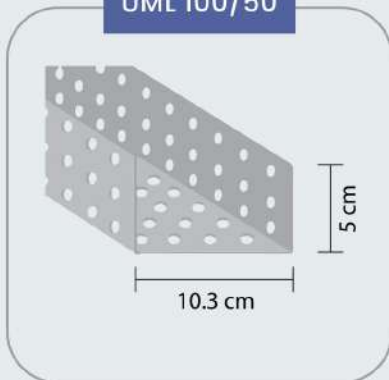


# STEEL LINTELS



## Lintels

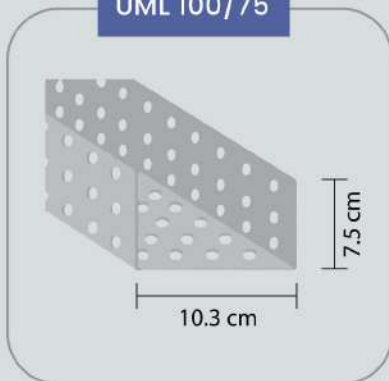
UML 100/50



UML 100/50		WORKING LOAD	
LINTEL CODE REF	N-UML 100/50-2	N-UML 100/50-3	N-UML 100/50-4
SHEET THICKNESS (MM)	2.0	3.0	4.0

LENGTH In mtrs	DISTRIBUTED LOADS (KN/M)		
0.90 - 1.20	0.44	1.50	2.55
1.30 - 1.60	0.29	1.00	1.70
1.60 - 1.80	0.20	0.72	1.10
1.90 - 2.10	0.14	0.52	0.68

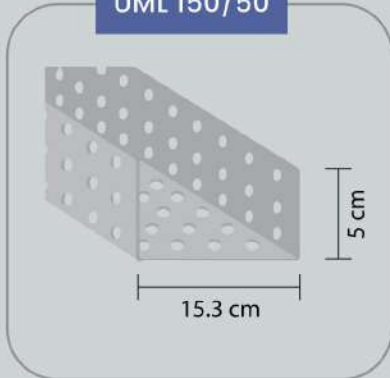
UML 100/75



UML 100/75		WORKING LOAD	
LINTEL CODE REF		N-UML 100/75-4	
SHEET THICKNESS (MM)		4.0	

LENGTH In mtrs	DISTRIBUTED LOADS (KN/M)		
0.90 - 1.20	3.55		
1.30 - 1.60	2.40		
1.60 - 1.80	1.70		
1.90 - 2.10	1.28		
2.20 - 2.40	0.98		

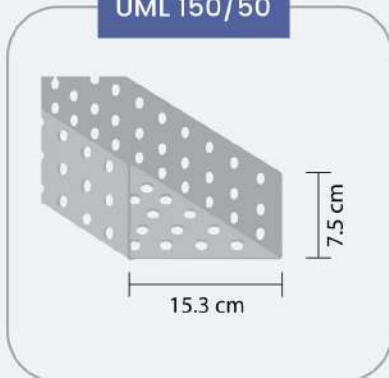
UML 150/50



UM 150/50		WORKING LOAD	
LINTEL CODE REF		N-UML 150/75-4	
SHEET THICKNESS (MM)		4.0	

LENGTH In mtrs	DISTRIBUTED LOADS (KN/M)		
0.90 - 1.20	3.60		
1.30 - 1.60	2.40		
1.60 - 1.80	1.73		
1.90 - 2.10	1.28		
2.20 - 2.40	0.98		

UML 150/75

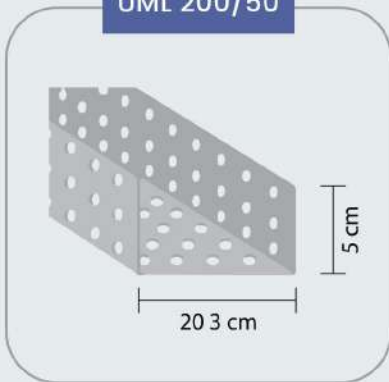


UM 150/75		WORKING LOAD	
LINTEL CODE REF		N-UML 100/75-4	
SHEET THICKNESS (MM)		4.0	

LENGTH In mtrs	DISTRIBUTED LOADS (KN/M)		
0.90 - 1.20	3.60		
1.30 - 1.60	2.40		
1.60 - 1.80	1.73		
1.90 - 2.10	1.28		
2.20 - 2.40	0.98		

## Lintels

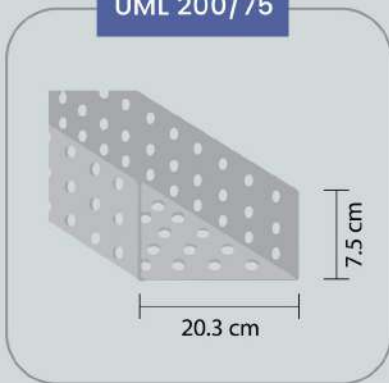
UML 200/50



UML 200/50		WORKING LOAD	
LINTEL CODE REF	N-UML 200/50-2	N-UML 200/50-3	N-UML 200/50-4
SHEET THICKNESS (MM)	2.0	3.0	4.0

LENGTH In mtrs	DISTRIBUTED LOADS (KN/M)		
0.90 - 1.20	0.42	1.50	2.70
1.30 - 1.60	0.28	1.00	1.80
1.60 - 1.80	0.19	0.72	1.25
1.90 - 2.10	0.13	0.52	0.78
2.20 - 2.40	0.09	0.40	0.49

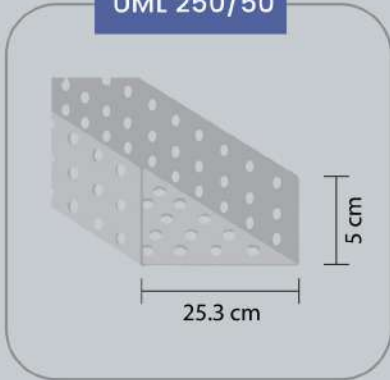
UML 200/75



UML 200/75		WORKING LOAD	
LINTEL CODE REF	N-UML 200/75-4		
SHEET THICKNESS (MM)	4.0		

LENGTH In mtrs	DISTRIBUTED LOADS (KN/M)		
0.90 - 1.20	3.60		
1.30 - 1.60	2.40		
1.60 - 1.80	1.73		
1.90 - 2.10	1.28		
2.20 - 2.40	0.98		

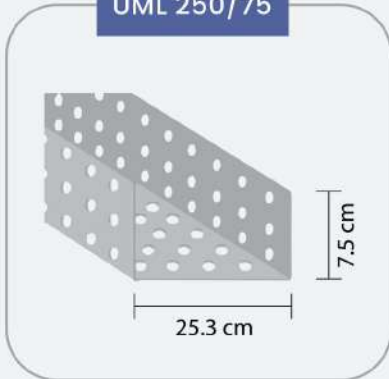
UML 250/50



UM 250/50		WORKING LOAD		
LINTEL CODE REF	N-UML 250/75-4	N-UML 250/50-3	N-UML 250/50-3	
SHEET THICKNESS (MM)	2.0	3.0	4.0	

LENGTH In mtrs	DISTRIBUTED LOADS (KN/M)		
0.90 - 1.20	0.43	1.50	2.70
1.30 - 1.60	0.26	1.00	1.80
1.60 - 1.80	0.18	0.72	1.28
1.90 - 2.10	0.13	0.52	0.80
2.20 - 2.40	0.09	0.38	0.50

UML 250/75

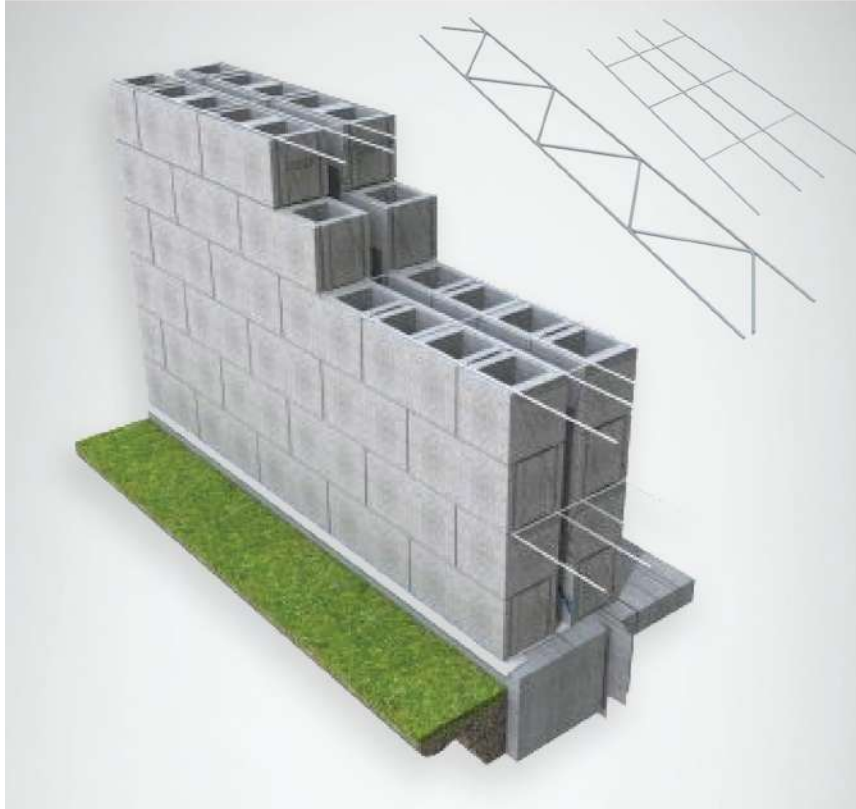


UM 150/75		WORKING LOAD	
LINTEL CODE REF	N-UML 250/75-4		
SHEET THICKNESS (MM)	4.0		

LENGTH In mtrs	DISTRIBUTED LOADS (KN/M)		
0.90 - 1.20	3.63		
1.30 - 1.60	2.45		
1.60 - 1.80	1.73		
1.90 - 2.10	1.25		
2.20 - 2.40	0.98		

## BLOCK REINFORCEMENT

Block ladder & truss types are used for the reinforcement of brick and block masonry to give improved tensile strength to walls subjected to lateral loading. They can also be beneficial in reducing the effects of vibration and differential movement



### DIMENSIONS

#### Hot-dip galvanized

- ◆ Main wire diameter= 4,5,6mm
- ◆ Rung and diagonal wire diameter- 4,5,6mm
- ◆ Rung wire centers= 400mm
- ◆ Stainless steel AISI 304
- ◆ Main wire diameter= 4,5,6mm
- ◆ Rung and diagonal wire diameter- 4,5,6mm
- ◆ Rung wire centers= 400mm

## BLOCK REINFORCEMENT TRUSS TYPE

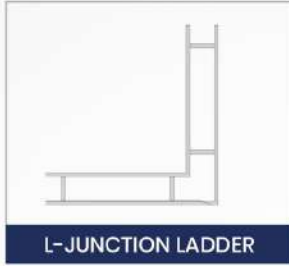
Ref Code	Width (mm)	Wall width (mm)	Material	Length (mm)	Diameter
N-BRTR 050-GS/SS	50	0.42	Galvanized / Stainless Steel	3000	3.5/3.8/4.8
N-BRTR 100-GS/SS	100	0.28	Galvanized / Stainless Steel		
N-BRTR 150-GS/SS	150	0.19	Galvanized / Stainless Steel		
N-BRTR 200-GS/SS	200	0.13	Galvanized / Stainless Steel		
N-BRTR 250-GS/SS	250	0.09	Galvanized / Stainless Steel		

## BLOCK REINFORCEMENT LADDER TYPE

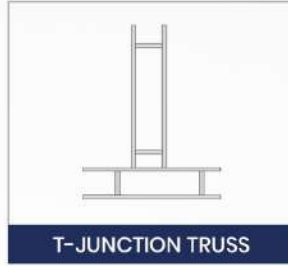
Ref Code	Width (mm)	Wall width (mm)	Material	Length (mm)	Diameter
N-BRLR 050-GS/SS	50	0.42	Galvanized / Stainless Steel	3000	3.5/3.8/4.8
N-BRLR 100-GS/SS	100	0.28	Galvanized / Stainless Steel		
N-BRLR 150-GS/SS	150	0.19	Galvanized / Stainless Steel		
N-BRLR 200-GS/SS	200	0.13	Galvanized / Stainless Steel		
N-BRLR 250-GS/SS	250	0.09	Galvanized / Stainless Steel		



T-JUNCTION LADDER



L-JUNCTION LADDER



T-JUNCTION TRUSS



T-JUNCTION TRUSS

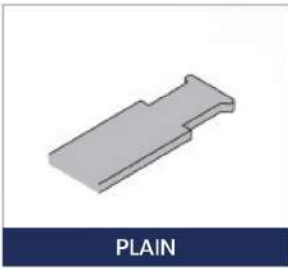
### Head Ends



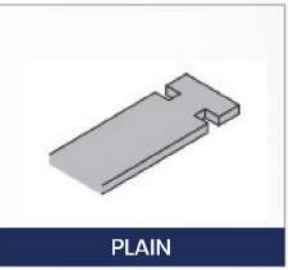
L-ANGLE SLOTTED



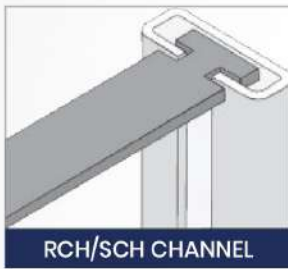
L-ANGLE HOLE



PLAIN



PLAIN



RCH/SCH CHANNEL



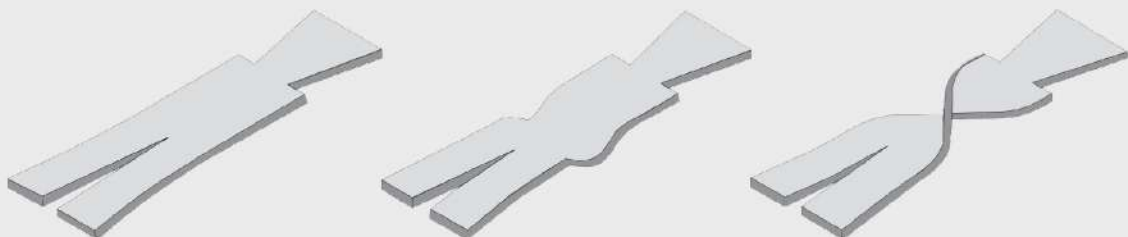
CCC CHANNEL







DCC CHANNEL



BOLT-SCREW FIXING



## Length Of Ties In (Mm) To Suit Cavity

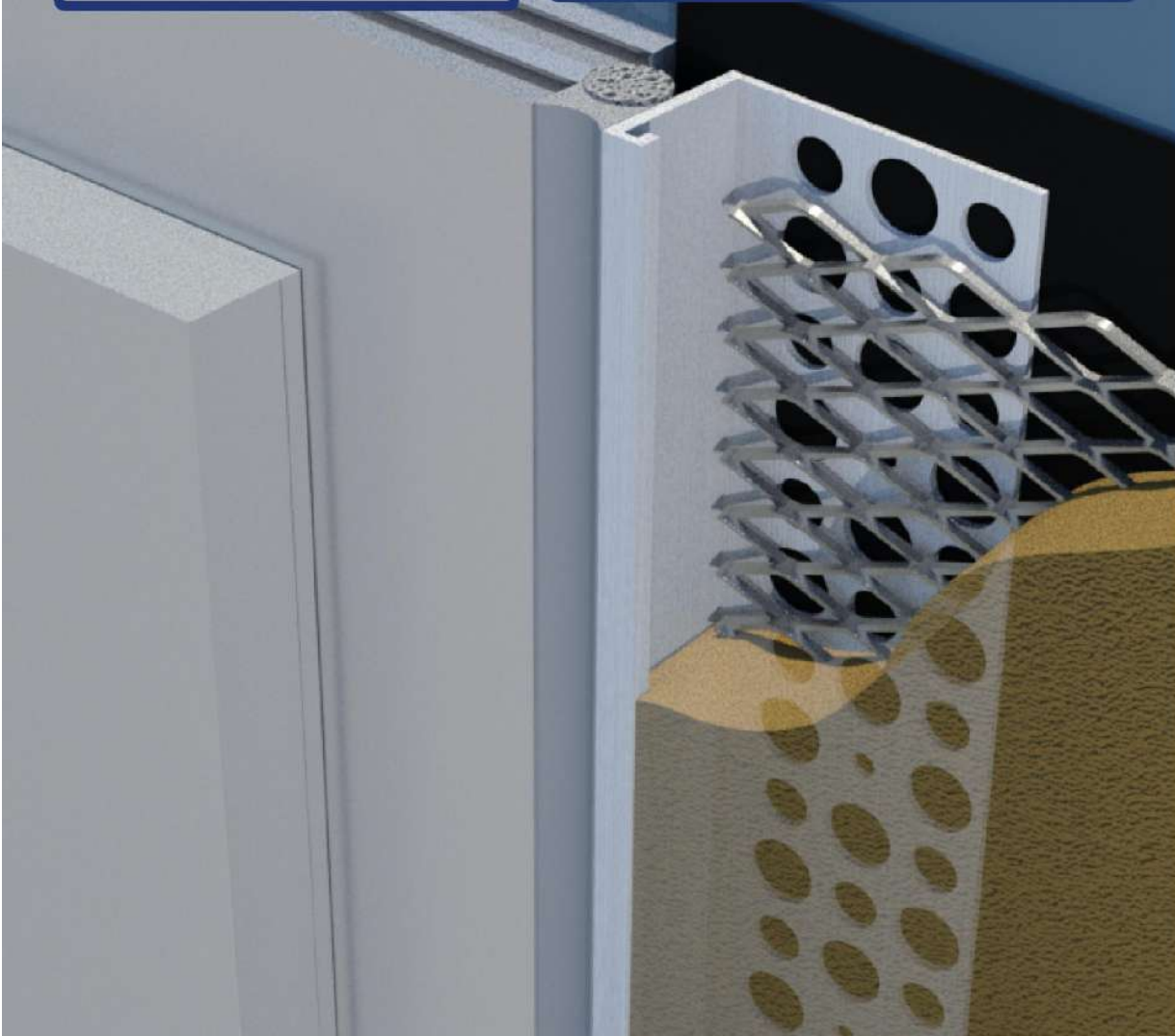
Tie	Reference Code	Description	Section Size (mm)	CAVITY				Position of Drip (min) mm
				Length 0 - 20 (mm)	Length 15 - 45 (mm)	Length 40 - 70 (mm)	Length 65 - 70 (mm)	
	B/P/30	Brick Facing Tie	20 x 2.0 25 x 2.0	75	100	150	200	
	B/D/30	Brick Facing Tie	20 x 2.0 25 x 2.0		100	150	200	20
	B/F/30	Brick Facing Tie	20 x 2.0 25 x 2.0			150	200	30
	B/P/21	Brick Facing Tie	20 x 2.0 25 x 2.0	75	100	150	200	
	B/D/21	Brick Facing Tie	20 x 2.0 25 x 2.0		100	150	200	20
	B/F/21	Brick Facing Tie	20 x 2.0 25 x 2.0		100	150	200	30
	B/P/28	Brick Facing Tie	20 x 2.0 25 x 2.0	75	100	150	200	
	B/D/28	Brick Facing Tie	20 x 2.0 25 x 2.0		100	150	200	20
	B/F/28	Brick Facing Tie	20 x 2.0 25 x 2.0			150	200	30
	B/P/36	Brick Facing Tie	20 x 2.0 25 x 2.0	75	100	150	200	
	B/D/36	Brick Facing Tie	20 x 2.0 25 x 2.0		100	150	200	20
	B/F/36	Brick Facing Tie	20 x 2.0 25 x 2.0			150	200	30

## Length Of Ties In (Mm) To Suit Cavity

Tie	Reference Code	Description	Section Size (mm)	CAVITY				Position of Drip (min) mm
				Length 0 - 20 (mm)	Length 15 - 45 (mm)	Length 40 -70 (mm)	Length 65 - 70 (mm)	
	B/F/36	Brick Facing Tie	20 x 2.0 25 x 2.0			150	200	30
	B/P/50	Brick Facing Tie	30 x 2.0 25 x 2.0	75	100			
	B/D/50	Brick Facing Tie	30 x 2.0 25 x 2.0		100			
	B/F/50	Brick Facing Tie	30 x 2.0 25 x 2.0					
	B/P/99	Cavity Wall Tie	30 x 2.0 25 x 2.0	150	200	250	300	
	B/D/99	Cavity Wall Tie	30 x 2.0 25 x 2.0	150	200	250	300	
	B/F/99	Cavity Wall Tie	30 x 2.0 25 x 2.0	150	200	250	300	
	C/C/30	Corrugated Strip	30 x 2.0 25 x 2.0	150	200	250	300	
	C/C/50	Corrugated Bracket	30 x 2.0 25 x 2.0	75	100	150	200	
	V/W/04	VEE Tie	∅ 4,5,6	75	100	125	150	
	B/T/25	Wall Tie Anchor	30 x 2.0 25 x 2.0	75	100	125	150	
	S/S/15	Cavity Wall Tie	30 x 2.0 25 x 2.0	150	200	250	300	



# PLASTERING ACCESSORIES



## Technical Specifications Metal Beads

### Relevant Standards:

- BS EN 13914 -2: 2005 Design, Preparation and Application of External Rendering and Internal Plastering
- BS EN 13658-1 : 2005 Metal Lath and Beads- Definitions, Requirements and Test Methods, Internal Plastering
- Supersedes BS 1369-1 :1987 and BS 6452-1: 1984
- BS EN 13658-2: 2005 Metal lath and Beads- Definitions, Requirements and Test Methods, External Plastering
- Supersedes BS 1369-2 :1987 and BS 6452-2: 1984
- ASTM C841 / ANSI A42.3 -Standard Specification for Installation of Interior lathing and Furring
- ASTM C847 - Standard Specification for Metal Lath
- ASTM C1063 - Standard Specification for Installation of Lathing and Furring for Portland Cement- Based Plaster
- International Building Code, (IBC) Chapter 25
- International Residential Code, (IRC) Chapter 7)

### Galvanized Steel:

- BS EN 10346:2009 (formerly BS EN 10142: 1991) coating type: Z1B0-275 ASTM A653/A653M

### Relevant Standards:

- BS EN 13658-1 & 2:2005 (formerly BS 1369:Part I :1987)

### Stainless Steel:

- BS EN 10088-2:2005, which was directly equivalent to formerly BS 1449:Part 2:1983 in Grade 304 2B FINISH
- ASTM A240/A240M in Grade 304 2B FINISH

### Relevant Standards:

- BS EN 845-3 :2003 ASTM A 951/A 951M Cold drawn steel for concrete/masonry reinforcement
- BS 4482:2005
- ASTM A 496/A 496M, ASTM A 497/A 497M, ASTM A 82/A 82M, ASTM A 185 Pre-galvanized steel wire
- BS EN 10244-2:2001 formerly BS 443 ASTM A641/A 641M

## ANGLE BEAD

Angle beads provide with its solid metal nose a straight corner. Expanded diamond mesh wings allow for keying the plaster right up to the nose of the bead. It is designed to protect the corners. The flanges can be easily fixed over irregular, uneven surfaces. Guarantees a perfect bond and provides better effective reinforcement at corners where it is mostly needed.

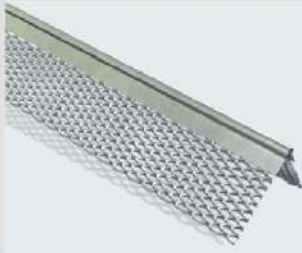


ANGLE BEAD				
Ref Code	Length of wings (mm)	Plaster Depth (mm)	Material	Length (mm)
N-ABE 50 - GS/SS	50	12 -- 19	Galvanized / Stainless Steel	3000
N-ABE 60 - GS/SS	60	12 -- 19		
N-ABE 64 - GS/SS	64	19		
N-ABE 70 - GS/SS	70	19		
N-ABE 75 - GS/SS	75	19		

Angle bead is recommended for a greater corner protection and a precise straight line. Available in galvanized finish for internal use, and in stainless steel for external use.

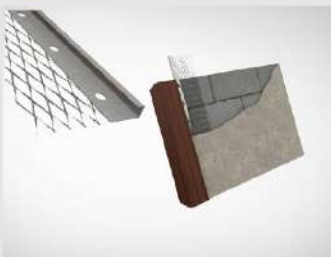
## MICRO ANGLE BEAD

Micro angle beads are designed for thin coat plaster and are used at corners for protection. Micro angle beads are popular thin coat beads with fine mesh wings. Fix either by galvanized nails or using plaster



MICRO ANGLE BEAD				
Ref Code	Length of wings (mm)	Plaster Depth (mm)	Material	Length (mm)
N-MAB 04 - GS/SS	25x25	4	Galvanized / Stainless Steel	3000
N-MAB 06 - GS/SS	30x30	6		

## PALSTER STOP BEAD



PALSTER STOP BEAD			
Ref Code	Plaster Depth (mm)	Material	Length (mm)
N-PST 10 - GS/SS	10	Galvanized / Stainless Steel	3000
N-PST 13 - GS/SS	13		
N-PST 16 - GS/SS	16		
N-PST 19 - GS/SS	19		

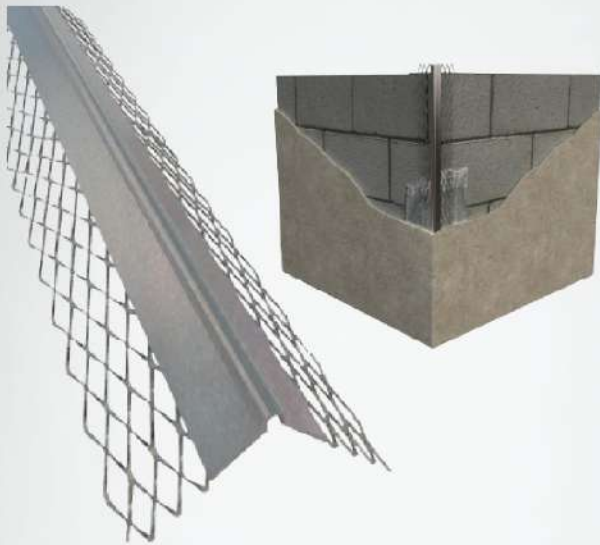
## MICRO PALSTER STOP BEAD

Micro plaster stops are designed for thin coat edge protection at openings. They provide abutment of plastered areas of other wall finishes. Micro plaster stops provide efficient keying and excellent finishes. Micro plaster stops make neat, flush frames for windows and other openings



MICRO PALSTER STOP BEAD			
Ref Code	Plaster Depth (mm)	Material	Length (mm)
N-MPS 03 - GS/SS	3	Galvanized / Stainless Steel	3000
N-MPS 06 - GS/SS	6		

## CONTROL JOINT BEAD



Designed to minimize the plaster cracking and to allow movement in the plaster. Control joint beads overcome movement tolerances in plaster expansion in providing excellent expansion control for both walls and ceiling and offers positive locking of stucco to the edge of the joint.

Control joint bead helps reducing stucco separation at the edge of joint. They provide for basic expansion and contraction that can be expected in stucco membrane, such as initial shrinkage during curing and minor thermal expansion and contraction.

Available in galvanized finish for internal use and in stainless steel for external use.

Ref Code	Width (mm)	Material	Length (mm)
N-CJB 10 - GS/SS	10	Galvanized / Stainless Steel	3000
N-CJB 13 - GS/SS	13		
N-CJB 16 - GS/SS	16		
N-CJB 19 - GS/SS	19		

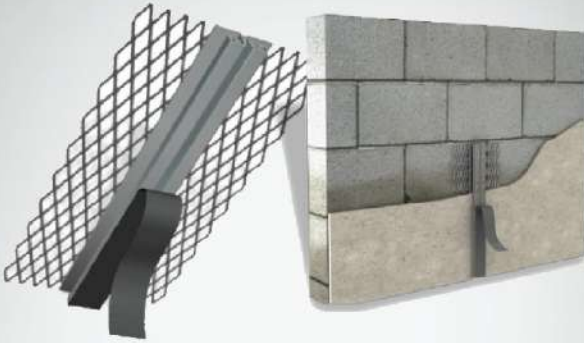


## ARCHITRAVE BEAD

Mainly used for decorative purposes to give a channel gap or a shadow between different walls finishes.

Ref Code	Plaster Depth (mm)	Material	Length (mm)
N-ACB 10 - WF-GS/SS	With flange 10	Galvanized / Stainless Steel	3000
N-ACB 13 - WF-GS/SS	With flange 13		
N-ACB 16 - WF-GS/SS	With flange 16		
N-ACB 19 - WF-GS/SS	With flange 19		
N-ACB 10 - WO-GS/SS	Without flange 10		
N-ACB 13 - WO-GS/SS	Without flange 13		
N-ACB 16 - WO-GS/SS	Without flange 16		
N-ACB 19 - WO-GS/SS	Without flange 19		

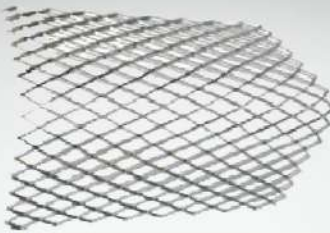
## MOVEMENT BEAD



Movement Beads are used to relieve the stress and strain in large plaster areas of wall and ceiling stucco areas and to allow for movement between adjoining surface finishes. Movement Beads overcome movement tolerance in plaster and render finishes and minimize the cracking in plaster. Movement Beads act as stop barriers when a change in finish is required. The purpose of the movement joint is to assure the proper plaster or stucco thickness also. Movement Beads are used in all types of building construction wherever expansion joints are present, for all types and kinds of bricks and reinforced concrete. It helps in improving the quality of the building with respect to the openings that are invariably created because of the space provided for expansion.

Ref Code	Width (mm)	Material	Length (mm)
N-MBE 10 - GS/SS	10	Galvanized / Stainless Steel	2700, 2850, 3000
N-MBE 13 - GS/SS	13		
N-MBE 16 - GS/SS	16		
N-MBE 19 - GS/SS	19		

## CORNER MESH



Corner Mesh lathes are used to prevent cracking in the plaster of the corner, and by protecting the inner corner against various factors. Corner Mesh lathes helps the formation of proper plastering.

Ref Code	Width (mm)	Material	Length (mm)
N-CRM 50 - GS/SS	50 x 50	Galvanized / Stainless Steel	2440 x 600
N-CRM 75 - GS/SS	75 x 75		

## METAL SHEET LATH



Sheet lath is produced as a key for plaster when applied on suspended ceiling and walls. Sheet lath is used for encasing steel column and beams, assisting in the protection from fire. Sheet lath is used to reinforce plaster between dissimilar areas and at crack-prone areas adjacent to openings.

Ref Code	Weight (Kg/m <sup>2</sup> )	Material	Length (mm)
N-SHL 064 - GS/SS	0.64	Galvanized / Stainless Steel	3000
N-SHL 082 - GS/SS	0.82		
N-SHL 105 - GS/SS	1.05		
N-SHL 122 - GS/SS	1.22		
N-SHL162 - GS/SS	1.62		
N-SHL 190 - GS/SS	1.9		

Strip Mesh Lathes are used along stress lines where cracking is likely. Stripmesh provides reinforcement to the plaster to prevent crack over joints of different materials.



## STRIP MESH

Ref Code	Plaster Depth	Material	Length (mm)
N-SMH 10 - GS/SS	100	Galvanized / Stainless Steel	3000
N-SMH 15 - GS/SS	150		
N-SMH 20 - GS/SS	200		
N-SMH 30 - GS/SS	300		
N-SMH 40 - GS/SS	400		

An easy to fix lath, provides a secure key for plaster and render applications as well as offering effective joint and crack reinforcement.



## COIL LATH

Ref Code	Width (mm)	Plaster Depth	Material	Length (mm)
N-CLH 10 - GS/SS	10	100	Galvanized / Stainless Steel	3000
N-CLH 15 - GS/SS	15	150		
N-CLH 20 - GS/SS	20	200		
N-CLH 30 - GS/SS	30	300		
N-CLH 40 - GS/SS	40	400		



## METAL RIB LATH

Rib lathes are expanded metal lathes stiffened with longitudinal ribs. The furring design of the mesh provides efficient background plaster for construction of partition, suspend ceiling and refurbishment works. Rib lath is ideal for refurbishing damaged or old masonry walls, when a key for rendering is not certain due to disintegration or softening of the wall face.

## METAL RIB LATH

Ref Code	Weight (Kg/m <sup>2</sup> )	Material	Size (mm)	Rib Height (mm)
N-RBL 148 - GS/SS	1.48	Galvanized / Stainless Steel	2500 x 700	2500 x 700
N-RBL 184 - GS/SS	1.84			
N-RBL 222 - GS/SS	2.22			

## INSTALLATION

Rib lath should be fixed with apexes of ribs against the wall, edge ribs of sheet nesting into each other should be wire-tied every 150mm and ends fixing should be used at sufficient intervals to hold the lath firmly in position.

**Fixing of Rib lath sheets:**

Rib lath is fixed so that the tip of the rib is placed against the supporting background. The rib of the sheet should run at right angles to any supports. Ensure that sheets are overlapped by a minimum of 50mm end to end and by 25mm width ways and that the ribs are nested together.

## TIMBER SUPPORT:

Rib lath is fixed at each rib to timber supports using Plaster nails or staples. Ensure that compatible corrosion resistant fixings are used, i.e. Do not use galvanized fixings for stainless steel.

## METAL SUPPORT:

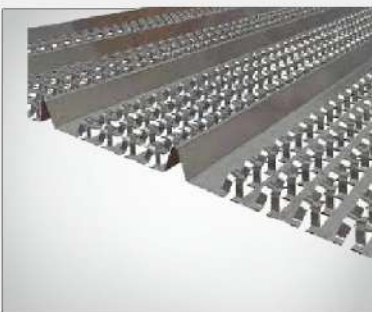
Rib lath is fixed at each rib to metal support using 1.63mm galvanized or stainless steel tying wire. When joining Rib lath sheets overlap the edge ribs and tie the edges with 1.22mm tying wire at 150mm centers.

## SOLID BACKGROUND:

Rib lath can be fixed to a solid background using a suitable fixing which holds the ribs firmly against the background. Where sheets are installed vertically, fixings should be positioned through all ribs at 600mm centers to ensure adequate stability

## HY - RIB LATH

Hy Rib lath is manufactured from Pre-galvanized steel according to BSEN 10327 as well as stainless steel to BSEN 10088-2 type 1.4301. The profile of Hy Rib open mesh in combination with its ribs provide an inherently stiff sheet along its length. It can be used for flat and curved surfaces



Ref Code	Thickness (mm)	Width (mm)	Rib Height (mm)	Rib Distance (mm)
N-HRL-A	0.25	445	13	89
N-HRL-B	0.3	445	13	89
N-HRL-C	0.3	445	20.5	89
N-HRL-D	0.35	445	13	89
N-HRL-E	0.35	445	20.5	89
N-HRL-F	0.4	445	13	89
N-HRL-G	0.4	445	20.5	89
N-HRL-H	0.5	445	20.5	89

## 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.



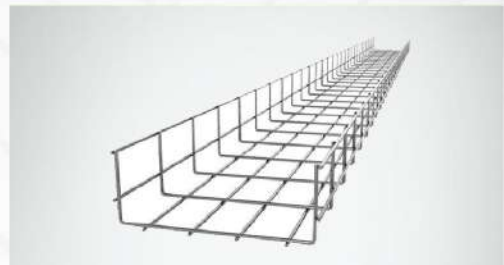
**Cable Tray & Accessories**



**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



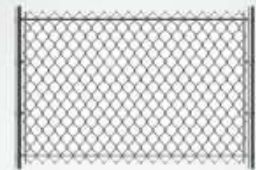
Ladders



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



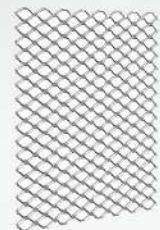
Depth Gauge Bead



Corrugated strip & Angel



Corner Mesh



Metal Sheet Lath



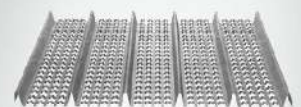
Strip Mesh



Coil Bath



Expanded Metal Rib Lath



HY- Rib Lath

# Concret Form Work Accessories



Plywood



Tie Rods & Accesories



Timber



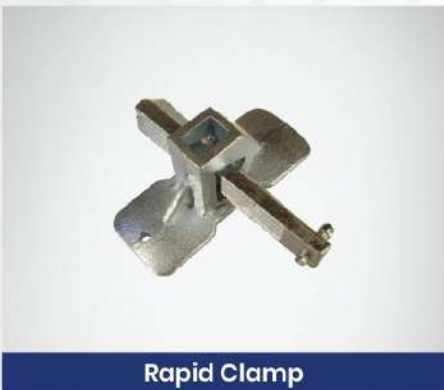
PVC Pipes



PVC Cones



PVC Chamfer



Rapid Clamp



Shutter Clamp



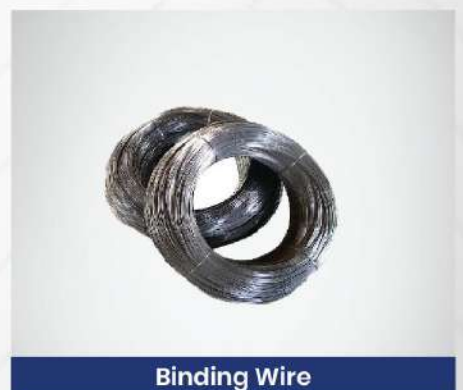
Concrete Spacer



Plastic Spacer



Steel Wire Mesh



Binding Wire

## Water Proofing & Thermal Insulation



Bitumen Membrane



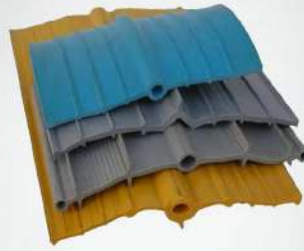
Rock Walls



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



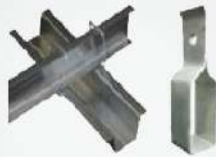
Cement Board



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 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





# NMG NIPRAS METAL GROUP

