

CABLE MANAGEMENT SYSTEMS BASKET TRAYS & ACCESSORIES









www.unitech-ikk.com www.sfsp-ikk.com www.ikkgroup.com



CABLE MANAGEMENT SYSTEMS **BASKET TRAYS & ACCESSORIES**

PRODUCED BY



SPECIALIZED FACTORY FOR STEEL PRODUCTS
SIGMA FACTORY FOR STEEL PRODUCTS





Basket Trays & Accessories Index

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ABOUT

Unitech Introduction

Unitech is a Saudi based Multinational Company providing building and construction solutions that is empowering the region's construction industry for the past 40+ years. We have been successfully providing solutions through mastering our main business activities: Design, Manufacture and Trade.



Design:

Provide Design & Engineering Solution to the construction sector, complying with international & local standards.



Manufacture:

Operating with Global Standards, we are widely recognized for our advanced light steel solutions and Hot-Dip Galvanization Facility.



Trade:

We are one of the region's largest Importer/Exporter of Building & Construction Materials.

Unitech is an ISO QMS 9001:2015 certified company and is a member of the US Green Building Council. Our experienced teams and operations are present across the Middle-East North Africa regions (MENA) and Pakistan, giving us an extensive regional network that benefits our clients and partners. We are also present in Europe via our design and engineering office in Stuttgart.

For more information, please visit: www.unitech-ikk.com

Mission & Vision

Mission

UNITECH is committed to transforming the construction and building sector by equipping engineers with advanced solutions and expert support at every project stage. As a leading industry provider, we empower our team to deliver exceptional service that consistently exceeds expectations. By fostering a cohesive and forward-focused culture, we attract and retain top talent, driving our mission forward. Our innovative, customer-centric products set new industry benchmarks and pave the way for future progress.

Vision

To be the Customer's First Choice...

Our Strategy

Unitech's strategy continues to focus on accelerating its business throughout the region, to service the construction sector via superior products & solutions, backed up by a group of highly experienced people in the field. Unitech also aims to enhance its geographical presence in its areas of interest and where opportunities exist.

We combine a deep understanding of building and construction materials markets with a successful history of upgrading our products and developing our processes.

We have the qualified employees, the know-how and the products to service major construction projects, medium sized to mega projects taking in care our positive contribution to our societies.

We thrive towards excellence by acknowledging:



Customer Satisfaction



Partner and Supplier Relations



Employee Retention



Positive Influence on Society and Environment

Our Employees

We are a company that prides itself on its 'family' culture and we seek out high-caliber people. We are a company that has, at its core, a team philosophy that is clearly apparent each and every day - there is a real sense of being there for one another.

We believe in nurturing the skills of our team members and providing growing levels of responsibility. Our people bring unique skills, energy, expertise, experience and perspectives to our workforce.

Unitech's family of employees consists of experienced, well-motivated and dedicated team of engineers, technicians, sales executives and management staff. This team is committed to serve our customers, with the best solutions available in the market.

Our Journey 40+ Years of Excellence

Since 1979, having been set to become an independent company under the framework developed by Sheikh Isam Kabbani, Unitech started its journey of success with confidence and enthusiasm, hard work and care to detail and a commitment to become the best within its industry.

Its dedicated people could only imagine what the future could bring to this newly established entity. Unitech's journey of success has been marked with outstanding achievements and superior accomplishments. Year by year, Unitech has been acknowledged as the "First Choice for Building & Construction Material" by major construction consultants in the region, governmental authorities, well-known contracting and project development corporations.

We have obtained invaluable knowledge about the construction industry in general, providing specialized solutions to construction projects throughout MENA region. From a couple of outlets in Saudi Arabia, Unitech today is present all over the Kingdom and in several countries throughout the region providing its products and solution to various locations worldwide.



Est. 1979

THE BEGINNING

Unitech was established in the Western Region of KSA as a Sales Company selling basic construction material.

During the same year, another branch was established in the heart of the kingdoms capital, Riyadh.



1980 to 1989

AGE OF GREAT RISK

Unitech Dammam was open for business in the oil-rich eastern coast of Saudi Arabia.

Within these 10 years the idea of in-house manufacturing facility was born and Specialized Factory for Steel Products (SFSP) was established in Riyadh.



1990 to 1999

AGE OF GROWTH

Branches of Unitech were established in Makkah, Madina, Khamis Mushayt and Jubail.

The need to increase its range of products and the necessity to have production lines for mass production lead to the decision to move the SFSP Factory from Riyadh to Jeddah.

Pioneering Construction Since 1979

We are constantly evolving in order to become more flexible in our operations, more sustainable in our societies, and more innovative in conducting our business.

By delivering superior products tailored to the specific construction needs, ambitious solutions, and an outstanding customer service, we serve today's needs through developing tomorrow's markets.

Helping construction projects experience success is what fueled its days. Unitech is keen to continue offering superior products, a wide spectrum of solutions, governed by our top-notch management style.

Such aspirations require trust in our responsibilities. Our Responsibilities for the future and with this in mind we continue to target excellence with committed efforts.



2000 to 2015

AGE OF CONSTRUCTION BOOM

Qassim, Hofuf and Yanbu Branches were inaugurated in KSA and branches outside KSA were established in UAE, Egypt, Lebanon, Oman, Jordan and Germany in order to facilitate the construction boom in the Middle East.

During this period SFSP state of the art facilities were launched in DIC UAE and Unitech thrived, marking some of the best years in business.



2016 to 2019

AGE OF GREAT CHANGE

This period, marked the age of great change in order to align with the economic shift in the GCC and the world in general.

Company wide right sizing initiatives were taken especially in KSA to align with the kingdoms ambitious vision 2030 and during this period the upgraded SFSP state of the art facilities were launched in IIC 3 KSA.



2020 & Beyond

NEW FRONTIER

This period marks the expansion of Unitech into the South and Central Asian territories. We aim to cater these markets and play an active role

in these countries development.

During 2020, Unitech Pakistan was officially inaugurated and marked the entrance of Unitech into Asian Market.

UNITECH

Our Manufacturing Arm SFSP

SFSP is a leading manufacturer and fabricator of light steel construction products in the region, servicing the construction sector through its state of the art facilities which are spread all over the MENA region. Products of SFSP are manufactured from quality raw material according to the relevant international standards to meet all kinds of construction projects requirements, such as MEP, façade, blockwork & waste management systems.

Commitment to Quality

Our commitment to quality is clearly revealed in the way we do our business; our processes, our close interaction with our clients as well as the strict product inspection procedures. To achieve this, we have implemented quality systems & processes that are continually being improved to satisfy our customer's needs.

Product Development

Product development process is substantial to the success of our business. We leverage all resources to provide up-to-date reliable products, environmentally friendly, durable to withstand the toughest weather conditions. Our engineers are constantly testing the products, seeking to present a combination of performance and quality across all our product ranges.

For more information, please visit: www.sfsp-ikk.com

Value Chain

Our value chain starts up with the quality of the raw materials and ends up in client satisfaction. Our business practices backed up by all technologically essential business elements are supported by an efficient logistics, warehousing and delivery system that maintains a valuable supply chain for products.

The value chain is integrated in our business module, giving us strength and preserving our good reputation gained through the past 4 decades.

Engineering Specialty

Our products development engineers integrate their vast knowledge to provide the perfect solution to projects within the required specifications and time-frame.

The products development department maintains highly skilled calibers with a dedication towards efficient and reliable solutions even in the most complicated cases where delicacy and skillful approaches are indispensable.

Design and Product Safety

Our design and engineering office in Stuttgart ensures our products comply with relevant European and international standards of fabrication, taking into attention the safety factors which govern the public safety of projects.

Sustainability and Responsibility

We are constantly working hard to reduce our environmental footprints while maintaining the high quality and safety standards. We have set our targets to become three times more efficient in the next 10 years. Our responsibility towards our stakeholders is valued through our positive contributions towards our colleagues, our business partners and our communities as well.

Our Design Office



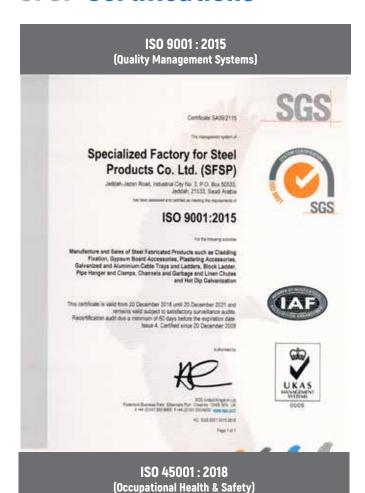
UNITECH DEUTSCHLAND is a "Design & Engineering" Office. Unitech Germany support Unitech & SFSP operations through well-informed cadre of engineers. They help our customers from conception to the completion by delivering design, engineering and project management services.

Thanks to our multidisciplinary team in Unitech Germany and their expertise, we assist you in your ambition to develop your innovation, your engineering and your organization. Our goal is to serve our clients through these elements:

- Excellent in engineering ideas and solutions
- High quality in performance
- · Firmness on meeting deadlines

UNITECH

SFSP Certifications



Certificate SA19/10111

Specialized Factory for Steel Products Co. Ltd.(SFSP)

Manufacture and Sales of Steel Fabricated Products such as Cladding Firstion, Oyssum Board Accessories, Plastering Accessories, Galvanized and Aluminium Cable Trays and Ladders, Slock Ladder, Pipe Hanger and Clamps, Channels and Garbege and Linen Change and Hot Dip Galvanization

This certificate is valid from 19 February 2019 until 19 February 2022 and remains valid subject to satisfactory surveillance audits. Recertification audit due a minimum of 60 days before the expiration date. Issue 1. Certified since 19 February 2019.

Jeddah-Jaran Road, Industrial City No. 3, P.O. Box 50533, Jeddah, 21533, Saudi Arabia

ISO 45001:2018

HC 505 4001 3216 5216

Certificate SA18/2591 Specialized Factory for Steel Products Co. Ltd. (SFSP)

Jeddah-Jacan Road, Industrial City No. 3, P.O. Box 50533, Jeddah, 21533, Saudi Arabie

14001:2015

(Environmental Management System)

ISO 14001:2015

Manufacture and Sales of Steel Fabricated Products such as Cladding Fination, Gypsum Solard Accessories, Plastering Accessories, Galvanized and Aluminium Cable Trays and Ladders, Slock Ladder. Pipe Hanger and Clamps, Channels and Garbage and Licen Chutce and Hot Dip Galvanization.

This conflicate is valid from 4 October 2018 until 4 October 2021 and remains valid subject to setsfactory surveitance audit. Recentification audit due a minimum of 60 days before the expiration date. I beautification audit due a minimum of 60 days before the expiration date.



SGS



STD 096 (Q-Mark Certificate)







CERTIFICATE OF REGISTRATION

Sigma Factory for Steel Products

P.O. Box 37991 Dubai Industrial City Dubai United Arab Emirates

Meets the requirements of the Exova BM TRADA Q-Mark International Fire Door Manufacture scheme to STD 986 - Issue 3 - 0.1/12/2015 which only operates in Bahrain, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Oman, Catar, Saudi Arabia and The United Arab Emirates for the products on the attached schedule

476 Date of Initial Certification 16 June 2014 Date of last issue 13 October 2017 Date of Expiry 15 June 2020

Hirologiak Karen Prendergast Sector Director - Certification Exova BM TRADA

Registered Office Does (III L.M. Lohnel Industrial Clarks, NewYork, miscontrol use on a visual way and the control of the cont

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ISO 9001: 2015 (Quality Management System)



Certificate of Registration

This is to certify that the Management System of:

P.O. Box 37991, Saih Suhaib - 3, 4 Round About, Dubai Industrial City, Dubai,

has been approved by Alcumus ISOQAR and is compliant with the requirements of:



Certificate Number: Initial Registration Date: Previous Expiry Date: Recertification Date:

22244-Q15-001

23 February 2015 22 February 2024 14 November 2023 30 November 2023

Scope of Registration:

Trading and Manufacturing of all kinds of Steel Related Construction Materials.

Alyn Franklin, Chief Executive Officer (on behalf of Alcumus ISOQAR)



OHSAS 45001: 2018 (Health & Safety Management System)



Certificate of Registration

This is to certify that the Management System of

Sigma Factory for Steel Products

P.O. Box 37991, Saih Suhaib - 3, 4 Round About, Dubai Industrial City Dubai, United Arab Emirates.

has been approved by Alcumus ISOQAR and is compliant with the requirements of:

ISO 45001:2018



Certificate Number: Initial Registration Date: Previous Expiry Date: Recertification Date:

22244-OHS-001 22 September 2015 21 September 2024 10 June 2024 20 June 2024 21 September 2027

Re-issue Date: Current Expiry Date:

Scope of Registration:

Trading and Manufacturing of all kinds of Steel Related Construction Materials.

vn Franklin Chief Executive Officer (on behalf of Alcumus ISOQAR)

alyn Fall

This certificate will remain current subject to the company maintaining its system to the required standard. This will be monitored regularly by Alcumus ISOQAR. Further clarification regarding the scope of this certificate and the anolicability of the relevant standard's requirement may be obtained by consultine Actumus ISOQAR.

Registered in United Arab Emirates as BM TRADA VENTURES LLC (TRADING AS BMTV)
Unit 904, Business Avenue Building, PO Box 30945, Dubai, UAE



Unitech-ikk.com

Alcumus ISOQAR Limited, Alcumus Certification, Cobra Court, 1 Blackmore Road, Stretford, Manchester M32 OQY.

17. 10f6 865 3699 F: 0161 865 3695 E: isoqarenquiries@alcumusgroup.com W: www.alcumusgroup.com/isoqar
This certificate is the property of Alcumus ISOQAR and must be returned on request.

ISO 14001: 2015 (Environmental Management System)



Certificate of Registration

This is to certify that the Management System of:

Sigma Factory for Steel Products

P.O. Box 37991, Saih Suhaib - 3, 4 Round About, Dubai Industrial City **Dubai, United Arab Emirates.**

has been approved by Alcumus ISOQAR and is compliant with the requirements of:



Certificate Number:

Certificate Number: Initial Registration Date: Previous Expiry Date: Recertification Date: Re-issue Date: Current Expiry Date:

22244-EMS-001

22244-EMS-001 22 September 2015 21 September 2024 04 June 2024 04 July 2024 21 September 2027

Scope of Registration:

Trading and Manufacturing of all kinds of Steel Related Construction Materials.

Signed: Alyn Franklin, Chief Executive Officer (on behalf of Alcumus ISOQAR)

alyn Fall

This certificate will remain current subject to the company maintaining its system to the required standard. This will be monitored regularly by Alcumus ISOQAR. Further clarification regarding the scope of this certificate and the applicability of the relevant standards' requirement may be obtained by consulting Alcumus ISOQAR.

BS EN 61537:2007 (KEMA - KEUR Certified For Cable **Management Products)**

CERTIFICATE

Issued to: Applicant: Isam Kabbani Trading Est. (Unitech) Rashidiya Dubai, United Arab Emirates

Manufacturer/Licensee: Sigma Factory for Steel Products (SFSP) Saih Shuaib 3, 4R/A, Dubai Industrial City, Dubai, United Arab Emirates

Cable management system

SFSP : IE-CT-X-10, IE-CT-X-12, IE-CT-X-15, IE-CT-X-20

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of;

a type test according to the standard IEC 61537:2006 and EN 61537:2007

an inspection of the production location according to CENELEC Operational Document CIG 021

a certification agreement with the number 2156954

DEKRA hereby grants the right to use the KEMA-KEUR certification mark

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR. duration of the KEMA-KI certification agreement.

This certificate is issued on: 20 January, 2014 and expires upon withdrawal of one of the abostandards.

Certificate number: 2156954.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood Managing Director

© Integral publication of this certificate is allo





DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem The Netherlands T+31 88 96 83000 F+31 88 96 83100 www.dekra-certification.com Registered Arnhem 09085396

SFSP Certifications

UL Certification* (Cable Trays)

UL Certification* (Chute Type Fire Doors)

CERTIFICATE OF COMPLIANCE

Certificate Number 20160816-F483358 Issue Date

E483358-20160816 2016-AUGUST-16

Issued to: Sigma Factory for Steel Products

Saih Shuaib 3, 4 R/A Dubai Industrial City Opposite DEWA Substation **Dubai UNITED ARAB EMIRATES**

This is to certify that

CABLE TRAYS

Steel Channel Cable Tray, Ventilated, Heavy Duty (HCT),

Very Heavy Duty (VCT) cable trays.

Standard(s) indicated on this Certificate.

Standard(s) for Safety:

ANSI/NFPA 70, "National Electrical Code" (NEC) See the ULC Online Certification Directory at www.ulc.ca

for additional information

Only those products bearing the ULC Listing Mark should be considered as being covered by ULC's Listing and Follow-Up Sentos.

The ULC Listing Mark generally includes the following elements: the symbol ULC in a circle: whith the word "LISTED"; a control number (may be signarumeric) assigned by ULC, and the product category name (product identifier) as indicated in the appropriate ULC Directory.

To confirm the status, validate the above information via the online directory.

Look for the ULC Listing Mark on the product.

CERTIFICATE OF COMPLIANCE

Certificate Number 20170811-R38825 R38825-20170811 2017-AUGUST-11 Report Reference Issue Date

Issued to: Sigma Factory for Steel Products

Saih Shuaib 3, 4 R/A Dubai Industrial City Opposite DEWA Substation **Dubai UNITED ARAB EMIRATES**

CHUTE-TYPE FIRE DOORS This is to certify that representative samples of

Chute-type fire door and frame assembly of the insulated type, rated up to and including 2 hr, 450°F Temperature

Rise Rating.

Have been investigated by UL in accordance with the

Standard(s) indicated on this Certificate

Standard(s) for Safety Additional Information

ANSWUL 10B Fire Tests of Door Assemblies See the Ut. Online Certifications Directory at www.ul.com/database for additional info

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Un function

Look for the UL Certification Mark on the product.

UL Certification* (Fire Barrier)

CERTIFICATE OF COMPLIANCE



Certificate Number R40146

Report Reference R40146-20220524

Date 2022-May-25

Issued to:

Sigma Factory for Steel Products Saih Shuaib 3, 4 R/A Dubai Industrial City Opposite DEWA Substation Dubai AE

MECHANICAL JOINT ASSEMBLIES This is to certify that

> The products covered by this Section are mechanical joint assemblies designated Nexus Fire Barrier (NFB) for use in various joint systems described in the Fire Resistance

Directory.

Have been investigated by UL in accordance with the

Standard(s) indicated on this Certificate

UL 2079, Tests for Fire Resistance of Building Joint Standard(s) for Safety:

Systems

See the UL Online Certifications Directory at

https://iq.ulprospector.com for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.







SFSP Products

SFSP produces a variety of products ranging from cable management systems; cable trays, cable ladders, basket trays, trunkings and support systems, to mechanical cladding fixations, steel lintels and block work accessories, plasterers' beads, expanded metal and block work reinforcement, strut channel systems, pipe clamps & hangers, gypsum profiles as well as garbage and linen chutes. With the introduction of new machines and the enhancement of production methods, SFSP continues to develop its production methods systematically as well as thoroughly. Its design office in Stuttgart, Germany provides a comprehensive design and calculation case studies, enabling the factory to have the safety factors required for the usage of its products.



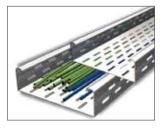
Cable Management Systems

Cable Management Systems are economical and designed to meet most requirements of cable and electrical wire installations and comply to international standards of fabrication and finishing.



Cable Trays & Accessories

Cable Trays are designed to meet most requirements of cable and electrical wire installations and comply to local and international standards of fabrications and finishes.



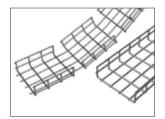
Cable Ladders (Welded & Swaged)

Cable Ladders of different side heights are available upon request.



Basket Trays & Accessories

SFSP's Basket Tray systems make connections fast and simple with limited need for tools. Its design allows for continuous airflow, and prevents heating up of cables. SFSP's Basket Tray comes in a full range of sizes and is made with high-strength welded steel wires.



Cable Trunkings

Cable Trunkings and Accessories are offered in a comprehensive range. Mill galvanized, hot-dip galvanized, and powder coated are the various finishes produced in our factories.



Underfloor Trunking

Underfloor Trunking Systems solutions incorporate a range of products for the distribution of power and data services, it is a coordinated set of containments that protect, segregate, contain, and route cables within a given environment.



Fiberglass Reinforced Plastic (FRP) Cable Tray / Ladder

SFSP Fiberglass Reinforced Plastic (FRP) Cable Management Systems are designed, manufactured, and tested to be installed in most harsh environmental conditions of onshore and offshore facilities for several industries including Oil and Gas, Petrochemicals, Manufacturing, Mining and others.



Cable Management Support Systems

Cable Support Systems are well designed to provide necessary support for cable trays, cable ladders and trunkings. Cable supports are manufactured according to common standards from high quality raw materials.



C-Channel Strut Systems

SFSP's Metal Framing Systems provide an economical solution for electrical, mechanical and industrial supports with a wide variety of applications in the construction industry.



Applications: - Pipe and Conduit Supports - Tunnel Pipe Stanchions - Racks and Shelvings - Wall Framings.

Pipe Clamps & Hangers

Pipe Clamps and Hangers from SFSP used in the support of pipes and equipments are manufactured according to the highest standards of fabrication. A diversified choice of Pipe Hangers, Pipe Clamps, EMT Straps, Omega Clamps, Beam Clamps, J and U-Bolts and Threaded Accessories.



Galvanized Threaded Rods and Accessories

Threaded rod, often referred to as a stud, is a rod of varying length that is threaded in a helical structure. Similar in appearance to a screw, the threading extends around and along the rod to cause rotational movements when in use.



Access Panels by FEROX

Ferox Access Panels provides complete solutions of several types of access panels including Hook Type, Pivot Type, Tiled Type as well as fire rated access panels and hygienic access panels. A variety of finishes are available including stainless steel of different grades, galvanized steel with powder coating. Ferox Access Panels are manufactured from high quality material and assembled with stainless steel hardware.



Roof hatches by FEROX

Roof hatch provides safe and convenient access to commercial building roof areas using interior ladders and stairs for maintenance work. It can be installed on flat roofs with a maximum slope of 30°. Made of steel frames, doors and stainless steel hardware. Powder coated to provide corrosion resistance and outstanding exterior durability.







Architectural & Finishing Solutions

Mechanical Cladding Fixation (Stangle)

Stangle Cladding Fixation includes design, calculation and production of several types of mechanical fixings and accessories used for cladding purposes. Stainless and galvanized steel are among the various materials used in the fabrication.



Aluminium System for Stone Cladding

SFSP aluminum systems are designed and calculated to provide a practical & safe solutions of stone cladding. Wide range of aluminum profiles with different shapes to support different types of stone cladding.



Waste Management Sys. (Garbage & Linen Chutes)

Chutes from SFSP are very convenient, simple and low cost method of controlling and disposing of refuse and linen. Chutes meet the most stringent requirements of environmental health and safety.



Dry Wall & Ceiling Profiles

Gypsum Boards are considered among the most economic and ideal way for wall partitioning. Easy to install, saves time and money, gypsum boards can be used as a backing for wall treatments such as wall paper, fabric, title and wood paneling or it can simply be painted.



Metal Ceiling Grid Systems

SFSP Ceiling Grid System is a practical, convenient ceiling system. It has a complete range of main c-channel sections and complementary parts so that you can adapt the modules to suit your design needs and load requirements.



Expansion Joint System by Nexus

Our variety of expansion joints includes profiles for walls and floors, profiles for seismic movements, watertight profiles. Our products suit pedestrian as well as heavy load traffic areas.



Entrance Matting System by Nexus

Nexus Entrance matting systems provides heavy duty entrance mats, composed of aluminium profiles with carpet, brushes or rubber inserts. For any design of any shape, being round, square, oval, or any other symmetrical or asymmetrical shape, Nexus offers a variety of entrance matting profiles



Profiles by Nexus

Nexus offer comprehensive solutions for the construction industry ranging from Expansion Joint Covers and Fire Barriers to Entrance Matting Systems, Wall and Floor Profiles, Tactile Solutions, etc... NEXUS range of products is manufactured according to most common international standards to meet the requirements of commercial, residential, governmental, transportation, healthcare and educational projects.



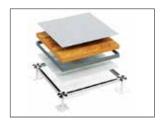
Phenolic Compartment by CUBIX

CUBIX phenolic compartment and partition systems are manufactured and customized to meet the precise needs of simple to complicated projects with its top-notch finish, quality of material and within a timely delivery. A complete solution with a wide selection of colors and textures are available.



Raised Access Flooring by PIXEL

PIXEL Raised Access Flooring offers comprehensive solutions of High Tech Raised Access Flooring Systems for the construction industry. PIXEL Raised Access Flooring are manufactured according to most common international standards to meet the requirements of commercial, residential, governmental, transportation, healthcare, and educational projects.



Metal Doors by FEROX

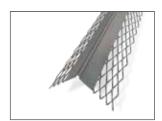
Ferox offers a wide variety of steel doors, manufactured according to international standards of fabrication and as per the legal requirement of commercial projects whether industrial environments, local authority buildings, leisure, hospitality, healthcare, transportation, education or retail offices, and shopping centers. Our range of steel doors includes fire rated steel doors, Insulated Doors, Acoustic Doors, Louvered Doors, Sliding Doors, Security Detonation Doors, Burglar Resistant Doors, Entry Gates and several other types to meet the requirements of all projects.



Civil Solutions

Expanded Metals, Plasterers' Beads

Expanded Metals help the formation of joints, protection of corners and resistance against cracks, chips and impact damage. SFSP manufactures inaccordance with BS EN 13658 – 2, ASTM C847-18, BS EN 845-3:2003+A1:2008, ASTM A 951/A 951M - 2016 standards.



Block Ladder Reinforcement

SFSP ladder and truss types are used for the reinforcement of brick and block masonry to give improved tensile strength to walls subjected to lateral loading e.g. wind and seismic. SFSP Block reinforcements reduces the risk of cracking either at stress concentration around opening.



Steel Lintels & Block Work Accessories

Steel Lintels provide a combination of strength and light weight, resulting in efficient load bearing performance and increased productivity on site. They are characterized by their ease of installation in addition to time as well as money saving. SFSP manufactures Steel Lintel in accordance with BS EN 845-2:2013+A1:2016 and according to relevant standards BS 5977 Part 2:1983.





SFSP Products are solely distributed by UNITECH for Building and Construction Materials

All Products Manufactured by Sfsp are Solely Distributed by SFSP Sister Companies in the Following Countries

KSA

Isam Kabbani & Partners for Building and Construction Materials Co., Ltd.

شبركة عصام قبانى وشبركاه لمواد الأنشباع والتعمير المحدودة

BAHRAIN

Isam Kabbani Trading Est.

مؤسســة عصام قباني التجارية

UAE

Issam Kabbani Trading Company LL

شـركة عصام قبانى للتجارة

EGYPT

Unitech Egypt for Building Materials

شـركة يونيتك مصر لمواد البناع

OMAN

Isam Kabbani & Partners Trading Co.

شـركة عصام قبانى وشـركاه للتجارة

OATAR

Unitech Qatar for Building & Construction Materials Ltd., W.L.L

شـركة يونيتك قطر لمواد الانشـاع والتعمير المحدودة

KUWAIT

Hassan Kabbani for General Contracting Est.

مؤسســة حســان قباني للمقاولات العامة للمباني

LEBANON

Unitech ME s.a.r.l

شـركة يونيتك ميدل إيست ش.م.م

PAKISTAN

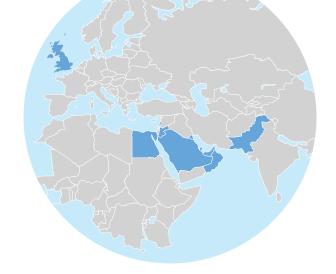
Unitech IKK Pakistan (PVT.) LTD.

يونيتيك IKK باكسـتان (شـركة خاصة ذات مسـؤولية محدودة)

UNITED KINGDOM

Isam Kabbani Trading LLC

عصام قباني للتجارة ذ.م.م.



SFSP CUSTUMER SERVICE CALL CENTER

KSA

UAE

+966 13 8590097, Ext. 3214

+971 4 8181925, Ext. 4269

Unitech-ikk.com 17

SYSTEM OVERVIEW

Cable Management Systems

SFSP Cable Management Systems, fittings and accessories are manufactured in compliance with international standards. SFSP provides a wide range of products capable of providing the characteristics which respond to the proposed application, along with quality of assembly, speed of installation and cost-saving Cable Management Systems. Calculations are provided by our design office in Stuttgart, Germany.

SFSP Cable Management Systems are designed to meet most requirements of cable and electrical wire installations and comply to local and international standards of fabrication and finishing. Cable Management Systems are economical wire and cable management systems designed to support and protect electrical wires and cables.

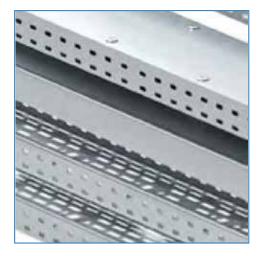
National Electric Code (NEC) permits Cable Trays in a wide variety of indoor and outdoor applications. The NEC also permits Cable Trays for use as equipment ground conductor.

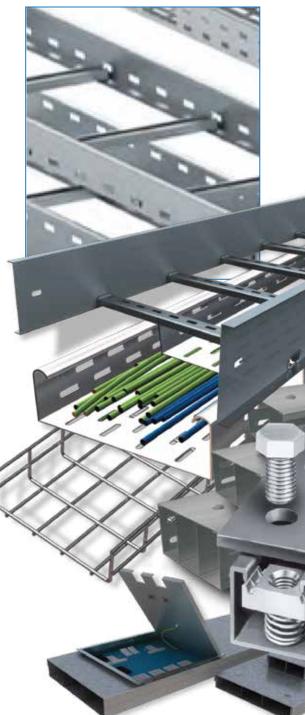
Cable Management Systems can provide significant advantages in cable filling over other wiring methods. This can provide savings in the size or number of raceways required, thereby, reducing both material and labor costs. In many cases, NEC permits greater conductor ampacities in Cable Tray Systems than for other wiring methods.

Under certain conditions, the NEC allows "Free Air" rating of large, single conductor power cables (4/0 & larger) in ventilated Cable Management Systems. This can provide significant savings in conductor costs. Cable Management Systems permit much greater spacing between support hangers than most other systems, providing savings in support costs and installation labor.

Cable Management Systems' types fittings and accessories from SFSP are manufactured in compliance with:

- ▶ IEC 61537:2023
- ▶ BS EN 61537:2007 International Electrotechnical Commission (Cable Management, Cable Tray Systems and Cable Ladder Systems)
- SASO IEC (61537:2006) Saudi Standard (Cable Management, Cable Tray Systems and Cable Ladder Systems)
- ▶ NEMA VE-1:2017 National Electrical Manufacturers Association (Metal Cable Tray Systems)
- ▶ NEMA VE-2:2023 National Electrical Manufacturers Association (Metal Cable Tray Installation Guide Lines)
- ▶ NEC (ANSI / NFPA 70) National Electric Code (Metal Cable Tray Guide Lines)





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Classification DIN VDE 0639

Temperature class: -45° up to 150° C

Corrosive and harmful influences:

- Medium resistance
- High resistance
- Solar radiation high resistance



SFSP Basket Tray Systems and accessories from SFSP are manufactured in compliance with:

- IEC 61537:2023 International Electrotechnical Commission

(Cable management - Cable tray systems and cable ladder systems)

- SASO IEC (61537/2007) Saudi Standard

(Cable management - Cable tray systems and cable ladder systems)

NEMA VE-1:2017 National Electrical Manufacturers Association.

(Metal Cable Tray Systems)

- NEMA VE-2:2023 National Electrical Manufacturers Association.

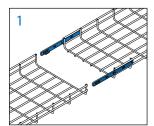
(Metal Cable Tray Installation Guidelines)

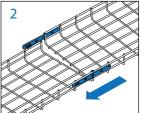
- NEC (ANSI / NFPA 70) National Electric Code

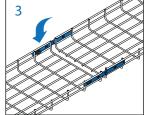
(Metal Cable Tray Guide Lines)

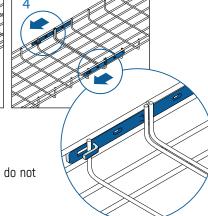
SFSP's Basket Tray Systems enable fast and simple connections with limited need for tools. SFSP's design allows continuous airflow, and prevents the buildup of dust, contaminants and bacterial proliferation. Strong, flexible and adaptable, SFSP's Basket Trays come in a full range of sizes and is made with high-strength welded steel wires. Support accessories for any application or situation are available. Basket Tray is produced by first welding a net, forming the channel and then finishing after fabrication.

SYSTEM ALLOWS FOR FAST SNAP TOGETHER ASSEMBLIES







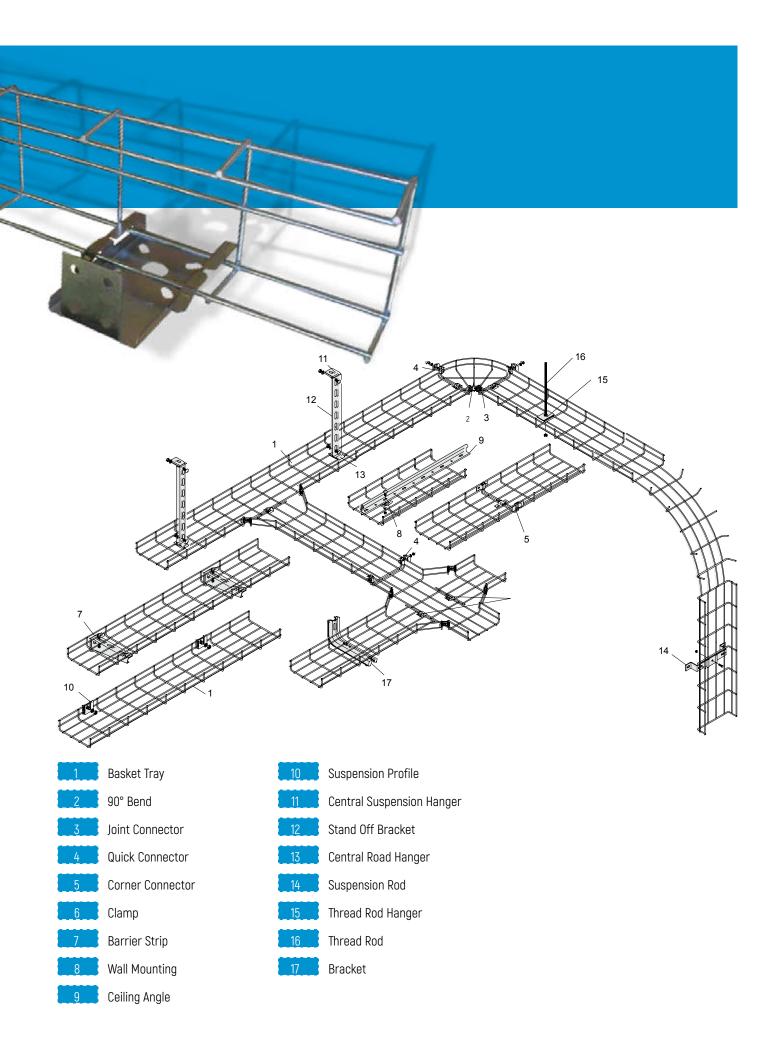


Step 1. Align the trays as shown.

Step 2. While raising the rear edge of the male connection, slide the tray forward, but do not engage the locking clip.

Step 3. Push the rear locking clip over the back edge of the tray.

Step 4. Slide the tray forward to engage both front and rear locking clips.



RUNS & FITTINGS

Basket Trays

Height: 55 mm, 80 mm, 105 mm and 150 mm.

Materials: Stainless steel, hot-dip galvanized to DIN EN ISO 1461

Wire Ø: 4mm

Basket Trays and accessories are also available in other dimensions and additional plastic coating upon request.

(kg/m)

2.97

3.17

BT 55 | Height 55 mm

Width (mm)	(kg/m)	Width (mm)
50	0.61	400
100	0.76	450
150	1.01	500
200	1.32	600
300	1.99	

BT 80 | Height 80 mm

(kg/m)

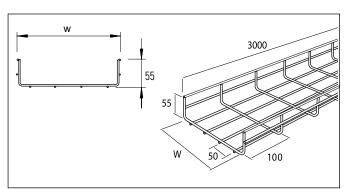
3.62

(kg/m) 5.00

Width (mm)	(kg/m)	Width (mm)
100	0.90	600
200	1.50	
300	2.30	
400	2.60	
500	2.90	

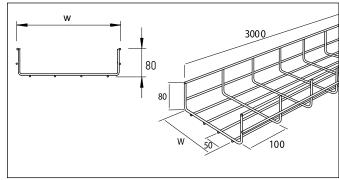
Order Example:

Item No - Length (I) - Width (w) - Material



Order Example:

Item No - Length (I) - Width (w) - Material



BT 105 | Height 105 mm

Width (mm)	(kg/m)
100	1.32
150	1.69
200	1.99
300	2.96
400	3.37

Order Example:

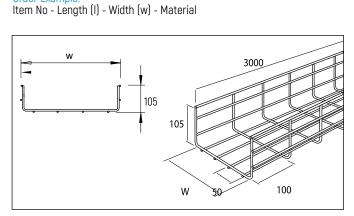
Width (mm)	(kg/m)
450	3.60
500	3.78
600	4.19

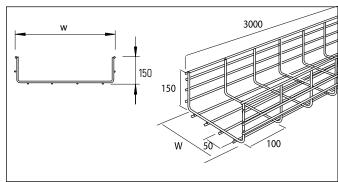
BT 150 | Height 150 mm

Width (mm)	(kg/m)
200	3.10
300	3.50
400	3.90
450	4.10
500	4.40

Order Example:

Item No - Length (I) - Width (w) - Material





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- Custom sizes are available upon request and comply with NEMA standards

90° Bends

Heights: 55 mm, 80 mm, 105 mm and 150 mm.

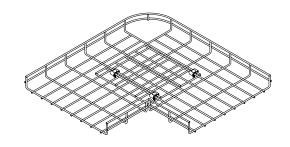
Widths: 50 - 600

Materials: Steel, hot-dip galvanized to DIN EN ISO 1461

90° Horizontal Bends

SHORT RADIUS | M105

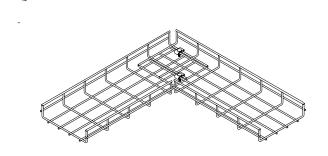






STRAIGHT SECTIONS | M107

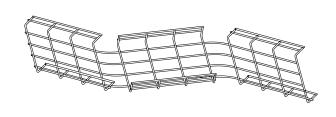
OUTSIDE INSIDE BENDS | M108

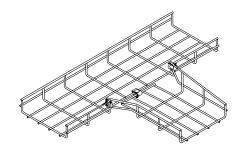




VERTICAL INSIDE BENDS | M108

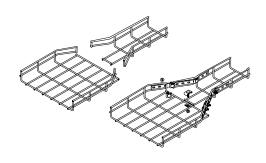
HORIZONTAL TEES (cross) | M109

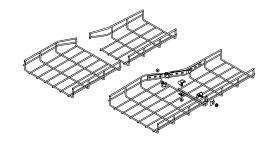




REDUCERS - Central Reducers | M110

Left & Right Reducers | M111



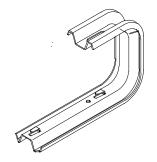


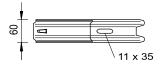
ACCESSORIES, SUPPORTS & FRAMING SYSTEMS

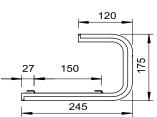
Brackets

"J" STYLE BRACKET | M112

Basket Tray Width (mm)	W (mm)	L (mm)
100	145	50
150	195	100
200	245	150
300	345	200



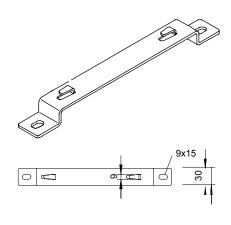


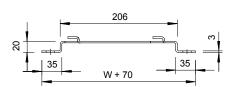


Width (mm): 145, 195, 245 and 345 Materials: Steel, hot-dip galvanized to DIN EN ISO 1461

SPACER BRACKET | M114

For floor-mounted Basket Trays and Cable Tray stands. Can also be used for wall mounting.

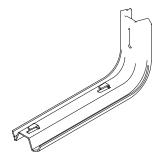


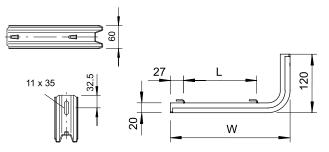


Materials: Steel, strip galvanized to DIN EN 10147

BRACKET | M113

Basket Tray Width (mm)	W (mm)	L (mm)
100	145	50
150	195	100
200	245	150
300	345	200

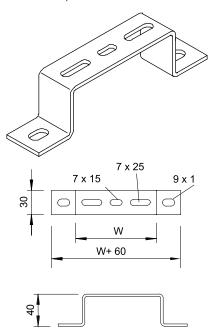




Width (mm): 145, 245 and 345 Materials: Steel, strip galvanized to DIN EN 10147

STAND-OFF BRACKET | M115

Base holder for Basket Tray with mesh 50 mm x 100 mm and suspension



Widths (mm): 100, 150, 200, 300 and 400 Materials: Steel, strip galvanized to DIN EN 10147

⁻ Custom sizes are available upon request and comply with NEMA standards



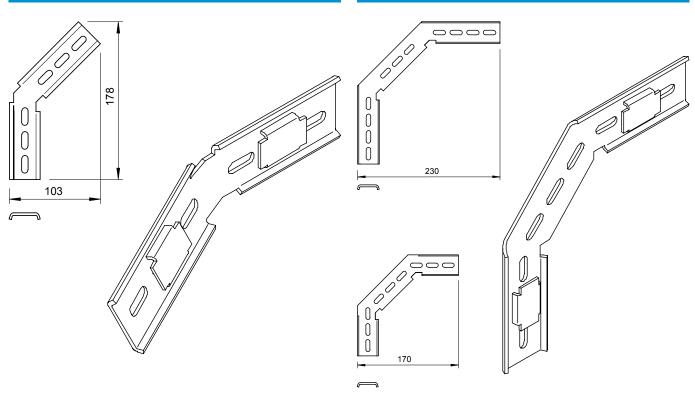
⁻ Please note that the product codes presented in this catalog are for marketing and internal reference purposes only. Actual product codes reflected on delivery documentation may differ.

Mounting Bracket

Connectors, for production of bends and Basket Trays Steel strip galvanized to DIN EN 10147

45° MOUNTING BRACKET | M116

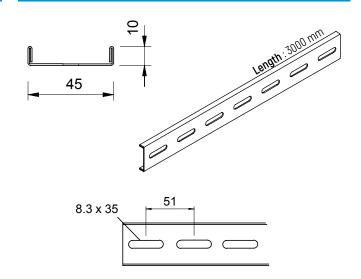
90° MOUNTING BRACKET | M117



Materials: Steel strip galvanized to DIN EN 10147

WALL MOUNTING | M118

SUSPENSION PROFILE M119



Materials: Steel strip galvanized to DIN EN 10147

Materials: Steel strip galvanized to DIN EN 10147 For connection between ceiling angle and base holder

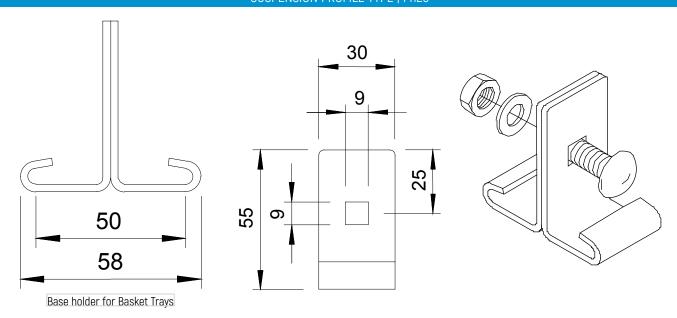
- Please note that the product codes presented in this catalog are for marketing and internal reference purposes only. Actual product codes reflected on delivery documentation may differ.
- Custom sizes are available upon request and comply with NEMA standards

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Central Hanger

SUSPENSION PROFILE TYPE | M120



Materials: Hot-dip galvanized steel to DIN EN ISO 1461

THREADED ROD HANGER | M121

For mounting of suspension profiles using a threaded rod Materials: Hot-dip galvanized steel to DIN EN ISO 1461

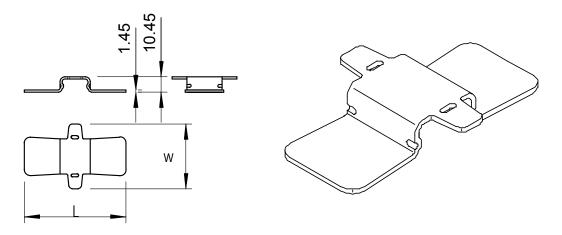
⁻ Custom sizes are available upon request and comply with NEMA standards



⁻ Please note that the product codes presented in this catalog are for marketing and internal reference purposes only. Actual product codes reflected on delivery documentation may differ.

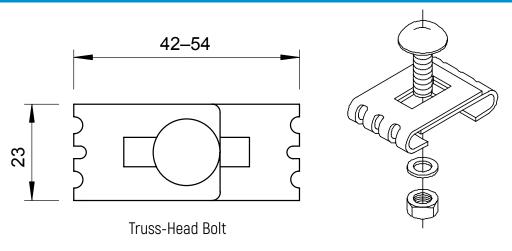
Connectors

QUICK CONNECTOR | CN101



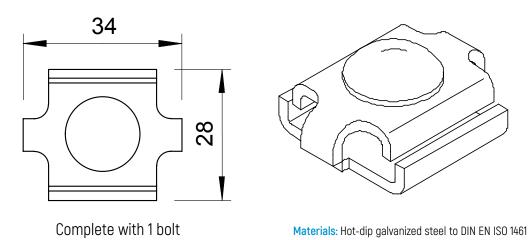
Materials: Hot-dip galvanized steel to DIN EN ISO 1461

CORNER CONNECTOR | CN102



Materials: Hot-dip galvanized steel to DIN EN ISO 1461

JOINT CONNECTOR | CN103



- Please note that the product codes presented in this catalog are for marketing and internal reference purposes only. Actual product codes reflected on delivery documentation
- may differ.

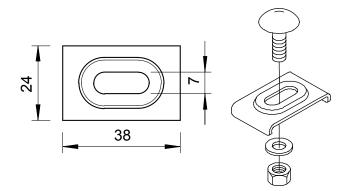
 Custom sizes are available upon request and comply with NEMA standards

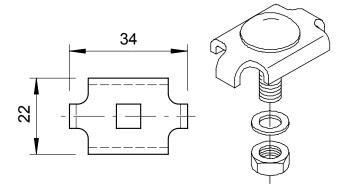
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Clamps

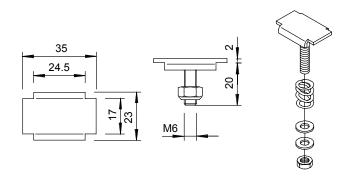
CL100 CL200



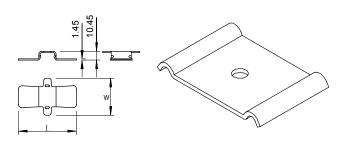


For barrier strip mounting in Basket Tray Materials: Hot-dip galvanized steel to DIN EN ISO 1461 For mounting Basket Tray to wall or support brackets Materials: Hot-dip galvanized steel to DIN EN ISO 1461

CL300

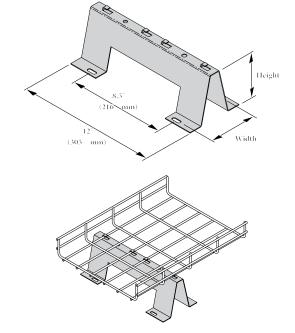






For mounting Basket Tray to wall or support brackets Materials: Hot-dip galvanized steel to DIN EN ISO 1461 For mounting Basket Trays on the floor or on stand off brackets Materials: Hot-dip galvanized steel to DIN EN ISO 1461

UNDER - FLOOR STAND | M122



HE	GHT	WII	OTH
in.	mm	in.	mm
3	76	3.69	94
4	102	4.14	106
5	127	4.59	117
6	152	5.04	128

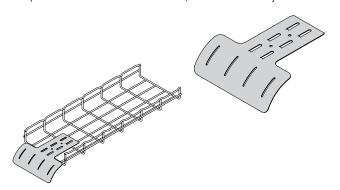
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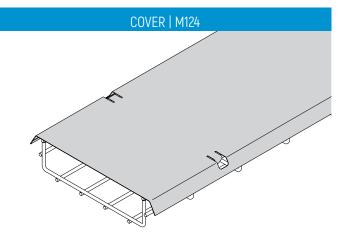


Clamps

DROP-OUT FITTING | M123

- ·Keeps cable radius secure at drop point ·For use with 4" (100 mm) to 24" (600 mm) wide trays
- ·Attaches to tray without hardware
- •Drop outs can be attached at bottom, side or ends of tray

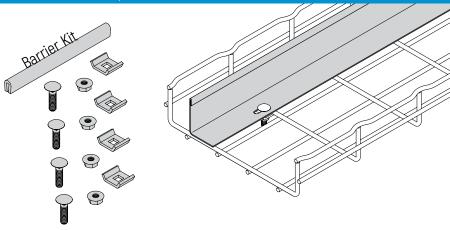




Materials: Hot-dip galvanized steel to DIN EN ISO 1461

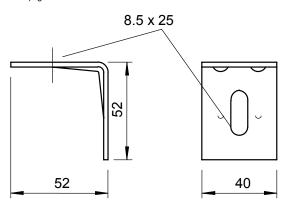
BARRIER | M125

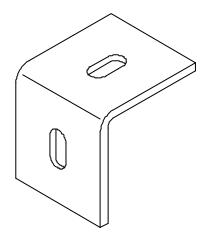
- Separates cables.
 Furnished with barrier kit (includes hardware).
 Length: 3000 mm



CEILING ANGLE | M126

Materials: : Steel strip galvanized to DIN EN 10147 Hot-dip galvanized Steel to DIN EN ISO 1461





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- Custom sizes are available upon request and comply with NEMA standards

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Framing System

ASTM F436

Washers (SRW) | DIN 125 | ASTM F436

Zinc	Stainless	D	d	S
Plated	Steel	(mm)	(mm)	(mm)
M6	M6	12	6.4	1.6
M8	M8	16	8.4	1.6
M10	M10	21	10.5	2
M12	M12	24	13	2.5
M16	M16	30	17	3
M18	M18	34	19	3.2
M20	M20	39	20.5	3.6



Round Washers DIN 440, DIN 9021

Washers (SRW) | DIN 440 | DIN 9021

DIN	Zinc	Stainless Steel	D	d	S
DIN	Plated		(mm)	(mm)	(mm)
440	M6		22	6.6	2
9021	M8	M8	24	8.4	2
9021	M10	M10	30	10.5	2.5
440	M12		45	13.5	4
9021	M12	M12	37	13	3
9021	M16	M16	50	17	3



Square Washers SSW

Square Washers (SSW)

H.D.	Stainless	axbxd
Galvanized Bolt	Steel Bolt	(mm)
M8	M10	40 x 40 x (4-5-6)
M10	M12	40 x 40 x (4-5-6)
M12	M16	40 x 40 x (4-5-6)



Fully Threaded Rods Grade 4.6 DIN 975 ASTM A 36, A193

Threaded Rod (STR) - DIN 975 - ASTM A36

Zinc Plated	Length	Load cap.	
Thread	(mm)	(kN)	
M6	2000/3000	2.2	
M8	2000/3000	4.0	
M10	2000/3000	6.4	
M12	2000/3000	12.9	
M16	2000/3000	17.3	
M18	2000	22.0	
M20	2000	27.0	



Round Head Machine Screws

Round Head (SRH) | DIN 7985

Zinc Plated	Length	d	
Thread	(mm)	(mm)	
M6	30-40	6.0	
M8	30-40	8.0	
M10	20-60	10.0	



Coupler Sleeves Rounded

Coupler Sleeves (SCS)

Electro- plated Thread	Stain- less Steel Thread
M6	M6
M8	M8
M10	M10
M12	M12
M16	M16
M20	M20

D	L	Load Capacity
(mm)	(mm)	(kN)
10/10	15	2.2
12/14	20	4.0
13/16	25	6.4
16/20	30	9.3
21/25	40	17.3
26/32	50	27.0



⁻ Please note that the product codes presented in this catalog are for marketing and internal reference purposes only. Actual product codes reflected on delivery documentation may differ.

⁻ Custom sizes are available upon request and comply with NEMA standards

Roofing Bolts

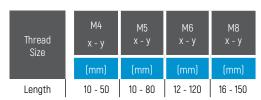
Roofing Bolts (SRB)

- Materials : low carbon steel , carbon steel

- Steel S235 , grade 4.6 , 4.8 and 8.8

- Surfaces : plain , black and zinc plated

- Length = X (mm) - Y (mm)



Hexagon Nuts DIN 934, DIN EN 24032, ASTM A 563

Hexagon nut (SHN) | DIN 934 or ISO 4032 (= DIN EN 24032) | ASTM A563

Zinc Plated		S/m DIN	S/m ISO	е
Thread		(mm)	(mm)	(mm)
M6	M6	10/5	10/6	11.5
M8	M8	13/6.5	13/7.5	15.0
M10	M10	17/8	16/9.5	19.6
M12	M12	19/10	18/12	21.9
M16	M16	24/13	24/15.5	27.7
M18	M18	26/16	26/16	22.0
M20	M20	30/18	29/20.5	27.0



Carriage Bolts with Nut Below Head DIN 603

Carriage Bolts (STC)

Zinc Plated	H.D. Galvanized Grade 4.6	Head	Head	Square Width	Square Depth
(E)	(E)	(A) mm	(H) mm	(0) mm	(P) mm
M5	M5	12.0	3.0	5.0	3.2
M6	M6	15.1	3.70	6.40	4.0
M8	M8	18.3	4.50	8.23	4.75
M10	M10	21.44	5.30	9.86	5.56
M16	M16	34.14	8.74	16.3	8.74

Hexagonal Rod Coupler Grade 8.8 ASTM a 563

Hexagonal Rod Coupler with view hole (SHR)

Electro- plated	Electro- Stainless plated Steel Thread Thread	D	L	Load capacity
		(mm)	(mm)	(kN)
M10	M10	13	40	6.4
M12	M12	17	40	9.3
M16	M16	22	50	17.3
M 18	M 18	23	60	22.0
M 20	M 20	25	70	27.0
M18	M18	26/16	26/16	22.0
M20	M20	30/18	29/20.5	27.0



DIN 933, DIN 24017, ASTM A307, A449

Hex Head Bolt (SHB) | DIN 933 or EN 24017 ASTM A307, A449 (without nut)

Zinc Plated	Stainless	S DIN	S EN
Dimension	Steel Dimension	(mm)	(mm)
M 6 x 12		10	10
M 6 x 25		10	
M 8 x 25	M 8 x 25	17	13
M 8 x 40		13	
M 10 x 20			
M 10 x 30	M 10 x 30		
M 10 x 45	M 10 x 45	17	16
M 10 x 60			
M 10 x 70			
M 12 x 22			
M 12 x 25	M 12 x 25	19	10
M 12 x 30	M 12 x 30	19	18
M 12 x 40	M 12 x 40		

M 12 x 50			
M 12 x 60	M 12 x 60	10	10
M 12 x 80	M 12 x 80	19	18
M 12 x 90			
M 16 x 40	M 16 x 40		
M 16 x 60	M 16 x 60	24	24
M 16 x 90	M 16 x 90		
M 18 x 40	M 18 x 40		
M 18 x 50	M 18 x 50	27	20
M 18 x 60	M 18 x 60	27	26
M 18 x 80	M 18 x 80		
M 20 x 40	M 20 x 40		
M 20 x 50	M 20 x 50	70	70
M 20 x 60	M 20 x 60	32	32
M 20 x 80	M 20 x 80		



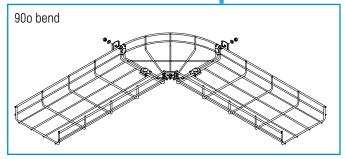
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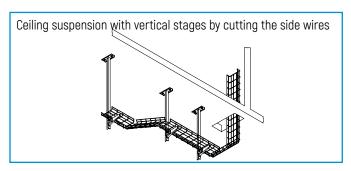
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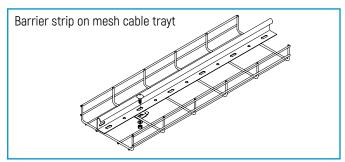


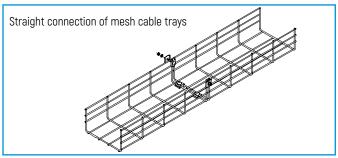
INSTALLATION

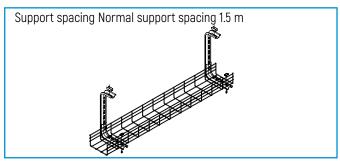
Installation Example

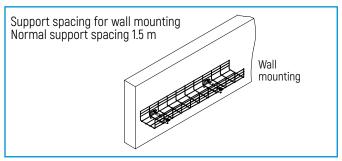


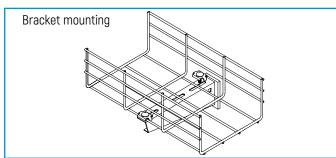


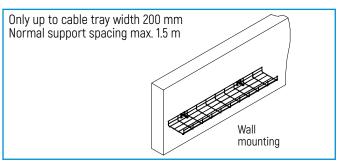


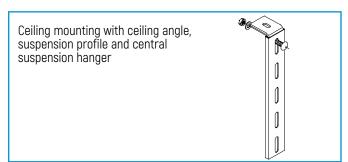


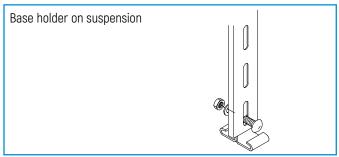


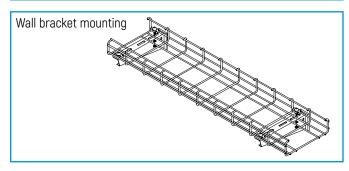


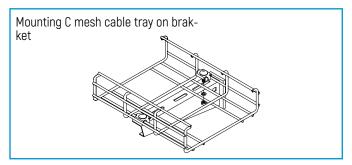




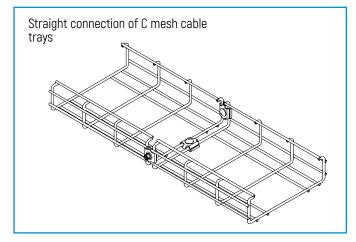


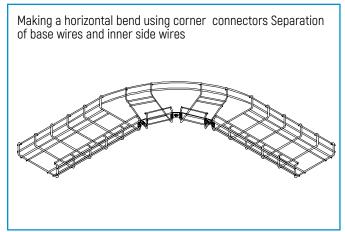


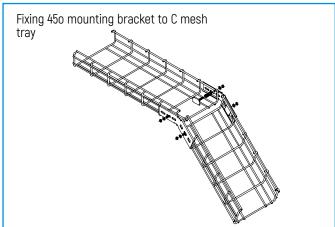


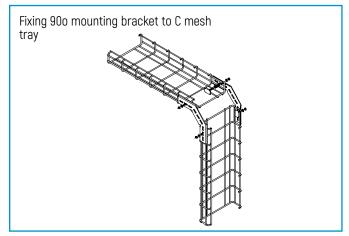


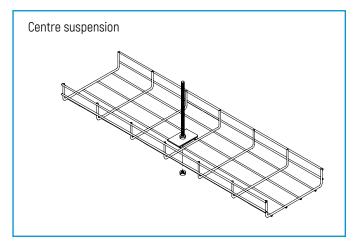
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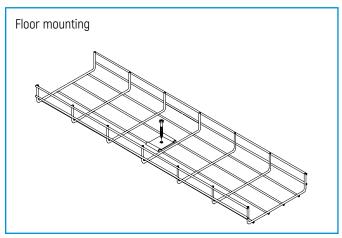


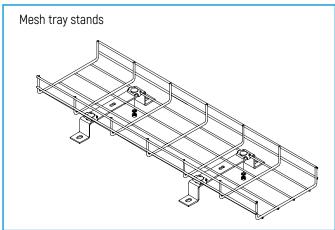


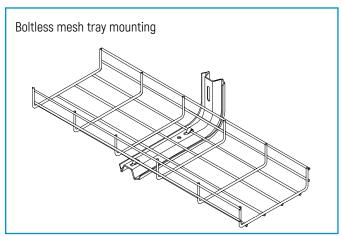












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