



WHERE
QUALITY
MEETS
RELIABILITY

About Us

We are a trusted supplier of high-quality fastening and sealing solutions designed to meet the needs of modern construction, engineering, and industrial applications. With a strong commitment to precision, durability, and performance, our products include a wide range of screws, bolts, rivets, sealants, tapes, and accessories — all manufactured to meet international standards. From large-scale infrastructure developments to specialized installations, we provide solutions that enhance performance, extend service life, and simplify the work of professionals across various industries.

We believe in building lasting partnerships by offering not just products, but complete technical support and dependable service. Every item we supply is carefully inspected for quality, precision, and compliance with relevant standards to ensure consistent performance under demanding conditions. We believe in building lasting partnerships by offering not just products, but complete technical support and dependable service. Every item we supply is carefully inspected for quality, precision, and compliance with relevant standards to ensure consistent performance under demanding conditions.

Our Vision

To be a trusted global leader in fastening and sealing solutions by delivering superior-quality products, innovative technologies, and reliable service that empower industries to build stronger, safer, and more sustainable structures. We aim to set new standards in performance, durability, and customer satisfaction through continuous improvement and commitment to excellence. We envision fostering long-term partnerships with our clients by offering value-driven solutions.

Our Mission

Our mission is to deliver high-quality fastening and construction solutions that meet global standards of performance, safety, and reliability. We aim to exceed customer expectations through continuous improvement, technical expertise, and a commitment to excellence in every product and service we provide. We strive to build lasting relationships with our customers by ensuring consistent product quality, timely delivery, and dedicated support.

Quality Assurance

At the core of our operations lies an uncompromising commitment to quality. Every product is sourced, manufactured, and tested to meet the highest industry standards. From raw material selection to final inspection, each stage is closely monitored to ensure precision, durability, and performance. Our quality control process includes rigorous mechanical testing, dimensional accuracy checks, and corrosion resistance evaluations. By adhering to international specifications and continuous improvement practices, we guarantee products that exceed customer expectations in strength, safety, and reliability.

We ensure that every batch undergoes thorough inspection before dispatch, maintaining complete traceability from raw material to finished product. Our dedicated quality assurance team works closely with production and supply departments to uphold consistency and compliance with global standards. Regular audits, certifications, and performance evaluations strengthen our commitment to delivering only the best. With a focus on reliability, precision, and long-term performance, our quality philosophy drives us to innovate, improve, and maintain the trust of our valued customers worldwide.

Key Highlights

- **Strict adherence to ISO and ASTM standards**
- **Advanced testing and inspection facilities**
- **Consistent batch-wise quality verification**
- **Certified material traceability and documentation**
- **Continuous improvement through feedback and R&D**
- **In-house mechanical, chemical testing capabilities**
- **Periodic calibration of tools, instruments for reliability**
- **Commitment to delivering defect-free products**



Bulk Stock

We maintain a comprehensive inventory of standard and specialized fasteners, ensuring immediate availability and quick dispatch for bulk orders. Our well-organized warehousing system allows us to stock a wide range of screws, bolts, nuts, washers, anchors, and accessories in various grades, sizes, and finishes to meet diverse project requirements. With bulk storage capacity and efficient inventory management, we guarantee consistent supply, reduced lead times, and seamless delivery for large-scale industrial, construction, and infrastructure projects. Each product batch is inspected and packed with precision to maintain quality and traceability from stock to site.

Our strong supplier network and in-house logistics ensure uninterrupted product availability throughout the year, even for customized or high-volume orders. We prioritize timely dispatch and safe transportation, ensuring that every delivery reaches the client in perfect condition. With a commitment to reliability, quality, and efficiency, our bulk stock system supports customers in meeting project deadlines without compromise. Our warehousing facilities are strategically organized for easy accessibility and rapid order processing, minimizing downtime for clients.

Key Highlights

- Extensive stock of standard and custom fasteners
- Ready-to-dispatch materials for urgent project needs
- Organized warehousing with advanced inventory control
- Bulk order discounts and flexible delivery schedules
- Assured material certification and quality documentation
- Safe and secure packaging to prevent transit damage
- Priority handling for repeat and long-term clients
- Regional distribution centers for faster delivery cycles



Technical Consultation and Product Guidance

Our technical consultation and product guidance services ensure that clients receive expert support at every stage — from material selection to installation. With in-depth knowledge of fastening systems, coatings, and structural applications, our team provides reliable recommendations tailored to each project's requirements. Whether it's choosing the right screw grade, assessing load conditions, or ensuring compliance with standards, we deliver solutions that enhance performance, safety, and efficiency. We collaborate closely with engineers, architects, and project managers to understand specific technical demands and provide the most effective fastening solutions. Our consultation process focuses on optimizing product performance, minimizing installation challenges, and ensuring long-term structural reliability. By integrating technical expertise with practical field experience, we help clients achieve durable, efficient, and cost-effective outcomes in every application.

Key Highlights

- Expert technical team with extensive industry experience
- Guidance on product selection, material compatibility, and installation methods
- Assistance in optimizing design for structural integrity and cost-effectiveness
- On-site and remote consultation support for project-specific challenges
- Training sessions for proper handling and usage of fasteners
- Compliance advice with relevant ISO, ASTM, and DIN standards
- Pre- and post-sales technical assistance ensuring complete client satisfaction
- Commitment to continuous improvement through feedback and innovation
- Pre- and post-sales technical assistance ensuring complete client satisfaction
- Detailed documentation and test reports for engineering validation

Custom Sourcing & Special Orders

At Cladtech International Building Materials Trading LLC, we understand that every construction project has unique specifications and technical requirements. Our Custom Sourcing and Special Orders division is dedicated to providing tailored fastening and cladding solutions that meet your exact design, material, and performance criteria. Through our global network of trusted manufacturers and suppliers, we source a wide range of non-standard fasteners, fixings, and building components that may not be readily available in conventional inventories. Whether your requirement involves special grades of stainless steel, high-tensile carbon steel, or coated fasteners for extreme environments, we ensure precise sourcing and guaranteed quality compliance.

We support our clients by offering

- **Customized Dimensions and Configurations** – Non-standard lengths, diameters, thread types, and head designs to match structural and aesthetic requirements.
- **Material and Coating Variations** – Availability in stainless steel (304, 316, 410), carbon steel, bimetal, and special finishes such as Ruspert, zinc, or epoxy coatings.
- **Custom Packaging and Labeling** – Branded, color-coded, or project-specific labeling with full traceability and documentation.
- **Special Bulk Orders & Low-Volume Production** – Efficient sourcing for both project-based quantities and long-term supply contracts.
- **Technical Validation and Certification** – Complete documentation including test reports, certificates of conformity, and origin verification.
- **Global Sourcing Network** – Our strong partnerships with leading manufacturers and suppliers worldwide for hard-to-find or discontinued fastener types, ensuring timely and reliable delivery.
- **Integrated Procurement Support** – Coordination with project engineers, contractors, and procurement teams to streamline specification and order approval.

PRODUCTS

CATEGORY

1- Self Drilling Screws

Designed with an integrated drill point that allows them to drill, tap, and fasten in a single operation.



2- Saddle Washer

A specially designed washer that provides a secure, even seal around fasteners on curved or irregular surfaces.



3- Screw Color Cap

Protective caps that snap over screw heads, finished appearance while preventing water ingress and corrosion.



4- Butyl Tape

A high-performance sealing tape that provides a strong, waterproof, and airtight bond. Ideal for roofing, cladding.



5- Filler Block

A durable construction accessory used to fill gaps and provide support between panels, beams.



6- Purlin Tape

A high-quality sealing tape applied on purlins to prevent water, dust, and air infiltration. It ensures a tight.



7- Soudal Silicone

A premium, flexible sealant designed for bonding and sealing in construction and industrial applications.



8- Shear Stud

A high-strength steel connector welded to structural beams to transfer loads between steel and concrete.



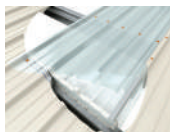
9- Blind Rivets

Strong, reliable fasteners designed for joining materials where only one side is accessible.



10- Skylight Panel

Durable, translucent panels designed to allow natural light into buildings providing weather resistance and insulation.



11- GRP Down Spout

Lightweight, durable, and corrosion-resistant downspouts made from Glass Reinforced Plastic (GRP).



1 A – Self Drilling Screw

Durable and corrosion-resistant fasteners designed to securely attach roofing panels to structures. Engineered for strength and long-lasting performance, they ensure a weather-tight seal, reliable holding power, and efficient installation in both residential and commercial roofing applications.



Feature	Reference
Material	SS304
Thread	BSD-14 TPI
Drilling Capacity	6 mm
Drill Point Length	9 mm
Coating	Ruspert

Features

Bimetal Self-Drilling Screw

These excellent corrosion-resistant screws are made from high-quality SS304 material, offering superior protection against corrosion—perfect for use in seashore and coastal environments. Bimetal screws are also available, featuring high-thread designs for secure sandwich panel fixing. Additionally, the unthreaded shank prevents simultaneous drilling and tapping, ensuring precise and efficient installation.

SELF DRILLING BIMETAL SCREW – STAINLESS STEEL GRADE 304

High-performance fasteners designed to drill and secure metal sheets in a single operation. Made from corrosion-resistant Stainless Steel Grade 304, they provide exceptional strength, durability, and long-lasting protection in roofing, cladding, and industrial applications. Their precision-engineered threads ensure a tight, reliable grip, while the bimetal construction allows effortless drilling through hard substrates, reducing installation time and labor costs. Ideal for both commercial and residential projects, these screws guarantee superior performance even in harsh environmental conditions.



Hex Washer Head

FX Head Mark for Genuine Brand

A durable screw head design that combines a hexagonal drive with an integrated washer for a secure, even load distribution. Ideal for metal and roofing applications, it ensures strong fastening, prevents pull-through, and simplifies installation.

08 mm



EPDM Bonded Washer

1mm SS304 + 3mm EPDM

A high-quality washer with an EPDM rubber seal bonded to a metal base, providing superior waterproofing and resistance to weathering. Ideal for roofing and cladding fasteners, it ensures leak-proof, durable, and secure installations.

19 mm



Drill Point

Carbon steel drill point

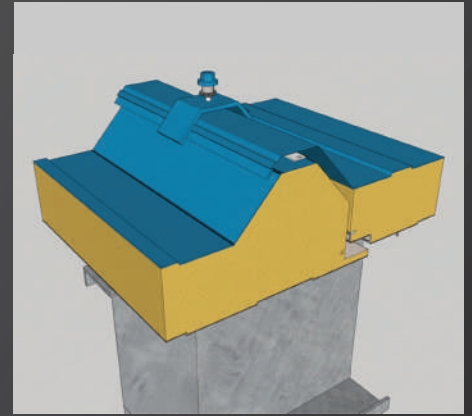
A precision-engineered tip designed to penetrate metal, wood, or other substrates effortlessly, eliminating the need for pre-drilling. Ensures fast, accurate, and secure fastening while reducing installation time and effort. Ensures quick and effortless installation.

09 mm

VARIETIES OF BIMETAL SELF DRILLING SCREWS

Available Sizes

A premium line of fasteners combining hardened carbon steel drill points with stainless steel bodies for superior performance. Designed for efficient drilling and fastening in a single step, they deliver excellent corrosion resistance, high strength, and long-lasting reliability—ideal for roofing, cladding, and demanding structural applications. Available in various sizes and thread types, these screws are engineered to suit different fixing requirements such as steel thickness, clamping range, and environmental conditions.



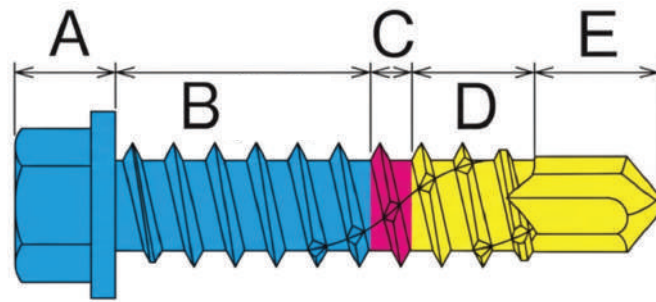
BIMETAL SELF DRILLING SCREW FOR CLADDING SOLUTION

Single Thread and Double Thread

Specially designed for fixing sandwich panels, these screws feature a high-thread design for strong grip in outer sheets and a partial thread with unthreaded shank to prevent simultaneous drilling and tapping.

Made with a hardened carbon steel point and stainless steel body, they provide excellent corrosion resistance, secure fastening, and long-lasting durability, even in harsh environments. These screws are engineered to ensure precise alignment of sandwich panels without damaging the outer sheet, delivering a clean and secure finish. The EPDM bonded washer provides reliable weather sealing, preventing leaks and enhancing durability in roofing and cladding systems.

Product	Diameter	Length	Washer Dia	Thread	Drill Point	Drill Capacity	Coating
SS SDS 5.5 X 25	5.5 mm (#12)	25 mm	19 mm	Single Thread	#3	6 mm	Ruspert
SS SDS 5.5 X 40	5.5 mm (#12)	40 mm	19 mm	Single Thread	#3	6 mm	Ruspert
SS SDS 5.5 X 50	5.5 mm (#12)	50 mm	19 mm	Single Thread	#3	6 mm	Ruspert
SS SDS 5.5 X 75	5.5 mm (#12)	75 mm	19 mm	Single Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 100	5.5 mm (#12)	100 mm	19 mm	Double Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 115	5.5 mm (#12)	115 mm	19 mm	Double Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 130	5.5 mm (#12)	130 mm	19 mm	Double Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 150	5.5 mm (#12)	150 mm	19 mm	Double Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 175	5.5 mm (#12)	175 mm	19 mm	Double Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 200	5.5 mm (#12)	200 mm	19 mm	Double Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 225	5.5 mm (#12)	225 mm	19 mm	Double Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 250	5.5 mm (#12)	250 mm	19 mm	Double Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 275	5.5 mm (#12)	275 mm	19 mm	Double Thread	#3	6 mm	Ruspert
SS SDS 5.5/6.3 X 300	5.5 mm (#12)	300 mm	19 mm	Double Thread	#3	6 mm	Ruspert



BASIC CONCEPT

FAST FIXON screw technology combines two precision-engineered components through advanced welding – a stainless steel head and shank designed to withstand exposure to air and tensile stress after fastening, and a carbon steel tip hardened for superior self-drilling and self-tapping performance. This unique combination ensures excellent corrosion resistance on the surface and exceptional drilling strength for long-lasting, reliable fastening solutions. This innovative design by FAST FIXON delivers the perfect balance of durability, efficiency, and versatility. The stainless steel portion ensures long-term protection against rust and environmental factors, while the hardened carbon steel tip enables quick penetration into metal, wood, or composite materials without pre-drilling. Ideal for construction, roofing, and industrial assembly applications, FIXON screws guarantee secure fastening, reduced installation time, and superior performance even under demanding conditions.

BASIC CONFIGURATION

- A : Head part for torque transfer and bearing surface
- B : Thread part for fastening
- C : Welding part
- D : Thread part for tapping
- E : Drilling point

BASIC STRENGTH

- A: No case-hardening for keeping anti-corrosion high, Surface hardness 350HV
- B : Tensile stress value over A2 (700N/mm)
- C: Welding strength over the breaking values for torsion and tensile of part B
- D : Case-hardening for over 600HVE : Case hardening for over 600HV

1 B – Self Drilling Screw

Strong, durable fasteners specially designed for securing roofing sheets to metal or timber structures. Made from high-quality steel with protective coatings, they provide excellent corrosion resistance and long-lasting performance in all weather conditions. Roofing screws ensure a weather-tight seal, secure grip,



Feature	Reference
Material	CS 1022
Thread	BSD-14 TPI
Drilling Capacity	6 mm
Drill Point Length	9 mm
Coating	Ruspert

Features

Carbon Steel Self-Drilling Screw

Heavy-duty fasteners manufactured from high-strength carbon steel, designed to drill and fasten in a single operation without pre-drilling. With protective coatings such as Ruspert or galvanization, they deliver excellent corrosion resistance, durability, and reliable performance. Ideal for roofing, cladding, steel structures, and general construction, these screws ensure secure fastening, reduced installation time, and long service life.

CARBON STEEL WITH RUSPERT COATED

Carbon steel fasteners with Ruspert coating offer exceptional corrosion resistance and surface durability. The multi-layer coating system – consisting of a ceramic topcoat, metallic zinc layer, and chemical passivation film – provides superior protection against rust, humidity, salt spray, and harsh environmental exposure. This makes them ideal for outdoor, marine, and industrial applications where long-term performance and appearance are critical. Ruspert-coated fasteners also ensure excellent adhesion, scratch resistance, and torque stability, enhancing both functionality and lifespan.



Hex Washer Head

FX Head Mark for Genuine Brand

A durable screw head design that combines a hexagonal drive with an integrated washer for a secure, even load distribution. Ideal for metal and roofing applications, it ensures strong fastening, prevents pull-through, and simplifies installation.

08 mm



EPDM Bonded Washer

1mm GI + 3mm EPDM

A high-quality washer with an EPDM rubber seal bonded to a metal base, providing superior waterproofing and resistance to weathering. Ideal for roofing and cladding fasteners, it ensures leak-proof, durable, and secure installations.

19 mm



Drill Point

Carbon steel drill point

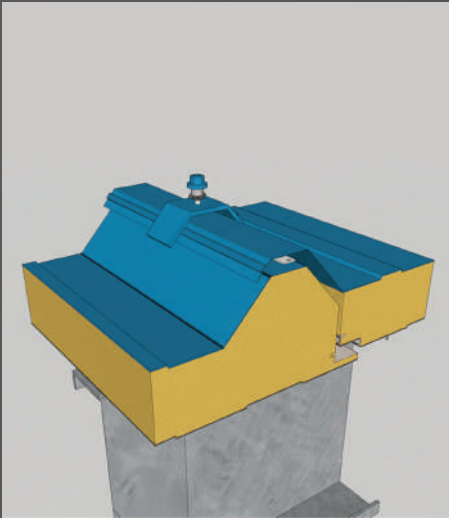
A precision-engineered tip designed to penetrate metal, wood, or other substrates effortlessly, eliminating the need for pre-drilling. Ensures fast, accurate, and secure fastening while reducing installation time and effort. Ensures quick and effortless installation

09 mm

VARIETIES OF CARBON STEEL SELF DRILLING SCREWS

Available Sizes

A premium line of fasteners combining hardened carbon steel drill points with stainless steel bodies for superior performance. Designed for efficient drilling and fastening in a single step, they deliver excellent corrosion resistance, high strength, and long-lasting reliability—ideal for roofing, cladding, and demanding structural applications. Available in various sizes and thread types, these screws are engineered to suit different fixing requirements such as steel thickness, clamping range, and environmental conditions.



CARBON STEEL SELF DRILLING SCREW FOR CLADDING SOLUTION

Single Thread and Double Thread

Engineered for sandwich panel and roofing applications, these screws combine a high-thread design for strong grip on outer sheets with a partial thread and unthreaded shank to prevent simultaneous drilling and tapping.

Manufactured from high-strength carbon steel with Ruspert or galvanized coating, they offer excellent corrosion resistance, durability, and efficient installation. Ideal for industrial, commercial, and structural projects, ensuring secure fastening, weather protection, and long-lasting performance. Carbon Steel Self-Drilling Screws provide superior strength and durability, making them ideal for heavy-duty fastening applications.

Product	Diameter	Length	Washer Dia	Thread	Drill Point	Drill Capacity	Coating
CS 4.8 X 19	4.8 mm (#10)	19 mm	16 mm	Full	#3	1.5 mm	Ruspert
CS 5.5 X 38	5.5 mm (#10)	19 mm	16 mm	Full	#5	12 mm	Ruspert
CS SDS 5.5 X 25	5.5 mm (#12)	25 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 5.5 X 40	5.5 mm (#12)	40 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 5.5 X 50	5.5 mm (#12)	50 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 5.5 X 75	5.5 mm (#12)	75 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 100	5.5 mm (#12)	100 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 115	5.5 mm (#12)	115 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 130	5.5 mm (#12)	130 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 150	5.5 mm (#12)	150 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 175	5.5 mm (#12)	175 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 200	5.5 mm (#12)	200 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 225	5.5 mm (#12)	225 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 250	5.5 mm (#12)	250 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 275	5.5 mm (#12)	275 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 300	5.5 mm (#12)	300 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert

1 C – Self Drilling Screw

High-performance fasteners designed for secure and reliable attachment of roofing and cladding panels. Made from durable carbon steel or stainless steel with protective coatings, they offer excellent corrosion resistance and long-lasting durability. The EPDM bonded washer ensures a tight, weatherproof seal.



Feature	Reference
Material	SS410
Thread	BSD-14 TPI
Drilling Capacity	6 mm
Drill Point Length	9 mm
Coating	Ruspert

Features

SS 410 Self-Drilling Screw

offering excellent corrosion resistance and long-lasting durability. Its self-drilling tip allows installation without pre-drilling, while the partial thread with unthreaded shank prevents simultaneous drilling and tapping. Equipped with an EPDM bonded washer, it ensures a secure, leak-proof seal. Available in various sizes and head types, this screw is ideal for roofing, cladding, and structural applications.

Stainless Steel Grade 410 with Ruspert Coated

High-strength fasteners made from Stainless Steel Grade 410, offering excellent corrosion resistance and durability. Designed to drill and fasten in a single operation, these screws provide secure, long-lasting fastening in roofing, cladding, and structural applications. Ideal for industrial, commercial, and coastal environments, they combine precision, efficiency, and reliable performance even under harsh conditions. Available in various head types and sizes, these screws are suitable for diverse construction requirements. The unthreaded shank prevents simultaneous drilling and tapping, while the EPDM bonded washer ensures a watertight seal.



Hex Washer Head

FX Head Mark for Genuine Brand

A durable screw head design that combines a hexagonal drive with an integrated washer for a secure, even load distribution. Ideal for metal and roofing applications, it ensures strong fastening, prevents pull-through, and simplifies installation.

08 mm



EPDM Bonded Washer

1mm SS304 + 3mm EPDM

A high-quality washer with an EPDM rubber seal bonded to a metal base, providing superior waterproofing and resistance to weathering. Ideal for roofing and cladding fasteners, it ensures leak-proof, durable, and secure installations.

19 mm



Drill Point

Carbon steel drill point

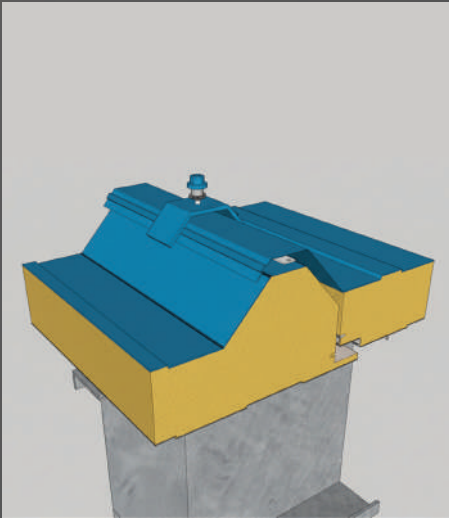
A precision-engineered tip designed to penetrate metal, wood, or other substrates effortlessly, eliminating the need for pre-drilling. Ensures fast, accurate, and secure fastening while reducing installation time and effort. Ensures quick and effortless installation

09 mm

RANGE OF SS410 SELF DRILLING SCREWS

Available

A premium line of fasteners made from Stainless Steel Grade 410, offering superior corrosion resistance, strength, and durability. Designed for roofing, cladding, and structural applications, these screws feature self-drilling tips for efficient installation without pre-drilling. With options in various sizes, head types, and thread designs, including partial and high-thread variants, they ensure secure fastening, leak-proof sealing with EPDM bonded washers, and long-lasting performance even in harsh environments. Ideal for industrial, commercial



STAINLESS STEEL GRADE 410 SELF DRILLING SCREW FOR CLADDING SOLUTION

Single Thread and Double Thread

Specifically engineered for sandwich panel applications, these screws combine a high-thread design for strong grip on outer sheets with a partial thread and unthreaded shank to prevent simultaneous drilling and tapping.

Made from Stainless Steel Grade 410, they provide excellent corrosion resistance, durability, and long-lasting performance. Equipped with EPDM bonded washers, they ensure a secure, leak-proof fastening, making them ideal for roofing, cladding, and industrial projects in harsh environments. Available in a wide range of sizes and head types, these screws are designed to meet diverse construction requirements.

Product	Diameter	Length	Washer Dia	Thread	Drill Point	Drill Capacity	Coating
CS SDS 6.3 X 25	6.3 mm (#14)	25 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 6.3 X 40	6.3 mm (#14)	40 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 6.3 X 50	6.3 mm (#14)	50 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 6.3 X 75	6.3 mm (#14)	75 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 100	6.3 mm (#14)	100 mm	19 mm	Full	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 115	6.3 mm (#14)	115 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 130	6.3 mm (#14)	130 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 150	6.3 mm (#14)	150 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 175	6.3 mm (#14)	175 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 200	6.3 mm (#14)	200 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 225	6.3 mm (#14)	225 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 250	6.3 mm (#14)	250 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 275	6.3 mm (#14)	275 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert
CS SDS 5.5/6.3 X 300	6.3 mm (#14)	300 mm	19 mm	Hi-Thread	#3	6 mm	Ruspert

2 – SADDLE WASHER

Saddle Washers are designed to perfectly match the profile of corrugated and trapezoidal sheets, ensuring secure seating for roofing and cladding screws. Their contoured shape provides stability, uniform load distribution, and enhanced sealing when used with EPDM washers. Made from durable materials, they deliver long-lasting protection against leaks, vibrations, and structural stress in roofing and construction applications. Available in aluminum, galvanized, and other durable materials, Saddle Washers are lightweight yet strong, offering corrosion resistance and dependable performance in harsh weather conditions. Easy to install and compatible with various fasteners, they are widely used in roofing, cladding, and industrial sheet fixing, ensuring a professional finish and extended service life for every project.



- 1 - 1 mm Aluminum formed to corrugated profile shape.
- 2 - 2 mm Vulcanized EPDM bonded to Aluminum.
- 3 - Reinforcing Ribs prevents bending.
- 4 - EPDM Hole Dia. slightly less than main dia. for sealing.
- 5 - Powder coated in various RAL Colors to match roof color.
- 6 - Brand Marking for Genuine Product.

SADDLE WASHER – ALUMINUM OR SS BONDED TO EPDM

Available in a wide range of sizes and head types, these screws are designed to meet diverse construction requirements. Their precision-engineered drill points allow effortless penetration through metal sheets, reducing installation time and labor. Trusted for strength, reliability, and long-term performance, they are an ideal choice for both commercial and coastal applications, ensuring structural integrity and a weather-tight seal. In addition, the EPDM bonded washer enhances sealing capability, preventing water ingress and protecting against extreme weather conditions.



Saddle Washer

FIXON Mark for Genuine Brand

Saddle Washers are specially designed to provide a secure and stable seating for roofing and cladding screws on corrugated or profiled sheets. Their contoured shape ensures a tight fit over curved surfaces, preventing movement and enhancing load distribution.



Aluminum Saddle

Powder Colored

Aluminum Saddles are designed to provide strong support and secure fastening for screws used on profiled or corrugated sheets. Made from high-quality aluminum, they are lightweight, corrosion-resistant, and durable, ensuring reliable performance in roofing.



EPDM

Vulcanized Grey EPDM

high-performance synthetic rubber material known for its exceptional weather, UV, and ozone resistance. Its vulcanized formulation ensures enhanced durability, elasticity, and long service life, even under extreme environmental conditions.

3 – SCREW COLOR CAPS

Screw Color Caps are designed to cover and protect screw heads, providing a neat and uniform appearance on roofing and cladding panels. Made from durable, weather-resistant materials, they prevent water ingress, corrosion, and UV damage while matching the panel color for a seamless, aesthetically pleasing finish. Easy to install, they enhance both functionality and visual appeal in construction applications.

COLOR CAPS FOR SCREWS

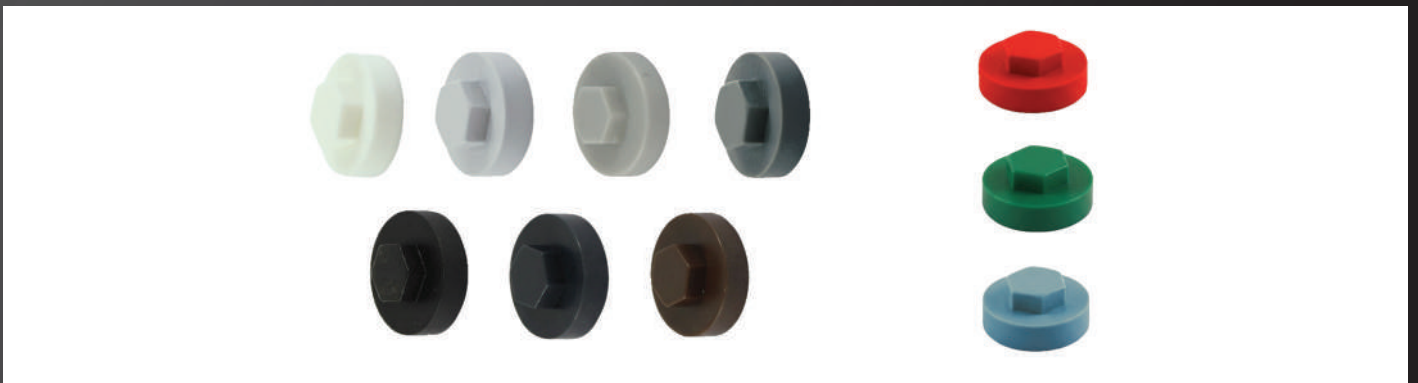
Low Density Polyethylene (LDPE) Colored Caps

These caps are made from low-density polyethylene (LDPE), providing a flexible, durable, and weather-resistant cover for screw heads. Designed to fit securely on roofing and cladding screws, they prevent water ingress, corrosion, and UV damage while offering a neat, color-matched finish. Easy to install and lightweight, LDPE colored caps enhance both the protection and aesthetic appeal of construction projects. Available in a wide range of colors and sizes, these caps are compatible with most standard roofing and cladding screws. They help maintain the longevity of the fasteners, protect the integrity of the panels, and provide a professional, finished look for residential, commercial, and industrial installations.



Feature	Reference
Size	5.5 mm Screw
Size	6.3 mm Screw
Thickness	1 mm
Material	LDPE

Feature	Reference
Colors	All RAL Colors
UV Resistance	Good
Weather v	Good
Service Life	Over 5 Years



4 – BUTYL TAPE

Screw Color Caps are designed to cover and protect screw heads, providing a neat and uniform appearance on roofing and cladding panels. Made from durable, weather-resistant materials, they prevent water ingress, corrosion, and UV damage while matching the panel color for a seamless, aesthetically pleasing finish. Easy to install, they enhance both functionality and visual appeal in construction applications.

BUTYL SEALANT TAPE

Butyl Sealant Tape with easy peeling silicon backed release paper

Butyl Sealant Tape is a high-performance sealing solution made from flexible butyl rubber, designed to provide strong adhesion and long-lasting waterproofing. Featuring an easy-peeling silicon backed release paper, it ensures quick, clean, and hassle-free application. Ideal for roofing, cladding, skylights, and construction joints, this tape offers excellent air-tight and water-tight sealing, UV resistance, and durability across a wide range of temperatures and surfaces. Its non-hardening and flexible composition allows it to adapt to surface movements and irregularities, maintaining a secure seal over time. Resistant to aging, chemicals, and extreme weather conditions, Butyl Sealant Tape is widely used in industrial, residential, and commercial construction projects.



Feature	Reference
Material	Polyisobutylene (PIB)
Flat Shape	2.4 mm X 9.5 mm X 19 m
U-Shape	5.0 mm X 22 mm X 9 m
Curing or Hardening	None
Color	Grey, White and Black

Feature	Reference
UV Resistant	Excellent
Water Sealing	Excellent
Adhesion	Excellent
Flexibility	Excellent
Age Resistance	Excellent



Application

Roofing Construction

Cooling and Air-Conditioning

Automobile Construction

Ship Building

Container Building

Facade Construction

Glazing

Sanitary

Electrical Installation

Plumbing

Furniture and Internal Fittings

BUTYL SEALANT TAPE – APPLICATION

Construction, Automobiles, Steel

Butyl Sealant Tape is widely used across multiple industries for its versatile sealing and bonding properties. In construction, it is applied for roofing, cladding, skylights, HVAC systems, and joint sealing. In the automobile industry, it is used for weatherproofing, vibration dampening, and sealing body panels. In steel structures, it provides reliable air-tight and water-tight sealing, protecting against corrosion and ensuring long-lasting durability. Its easy application and strong adhesion to a variety of surfaces, including metal, glass, plastic, and concrete, make it a preferred choice for professionals. The tape remains flexible without cracking or hardening, ensuring consistent performance even in extreme temperatures.



General Installation

General placement of Butyl Tape

For best performance, Butyl Sealant Tape should be applied on clean, dry, and dust-free surfaces to ensure maximum adhesion. The tape is generally placed along joints, overlaps, or seams where waterproofing and sealing are required.

Installation Instruction

General Installation Instruction for Butyl tTape in Roofing Application

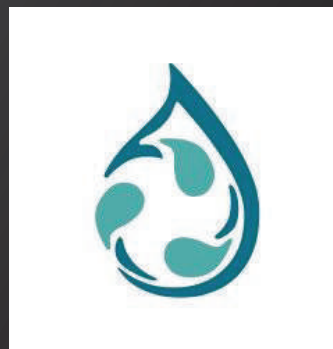
For optimal performance, ensure that surfaces are clean, dry, and free of dust or debris before application. Peel off the silicon-backed release paper and carefully place the Butyl Tape along joints, seams, or overlaps where sealing is required. Apply even pressure along the length of the tape to achieve a uniform bond, filling gaps and ensuring a water-tight, durable seal. Avoid overstretching the tape to maintain adhesion and effectiveness. After placement, inspect the tape to ensure complete contact with the surface and proper alignment along the joint. For best results, press firmly using a roller or hand tool to eliminate air pockets and enhance adhesion. Once installed, the tape provides long-lasting waterproofing, UV resistance, and flexibility, maintaining a secure seal even under thermal expansion, contraction, and environmental stress. For added protection, cover the tape with panels or overlapping materials as recommended, ensuring it is shielded from direct mechanical damage. Regular inspection and maintenance help sustain its sealing performance over time. When correctly installed, Butyl Sealant Tape delivers reliable, long-term waterproofing and structural integrity, making it ideal for roofing, cladding, skylights, and other construction applications exposed to harsh environmental conditions.



UV Resistant

Ideal for Outdoor application

Designed to withstand prolonged exposure to sunlight, these materials resist fading, cracking, and degradation caused by UV radiation. Perfect for outdoor applications including roofing, cladding, skylights, external fixtures, their durability for long term performance.



Salient Features

Excellent feature for purpose

These products are designed with key attributes that enhance performance, durability, and efficiency in their intended applications. Features such as corrosion resistance, weatherproofing, ease of installation, and strong adhesion ensure reliable functionality.

5 – FILLER BLOCK

FILLER BLOCK OR FOAM CLOSURE

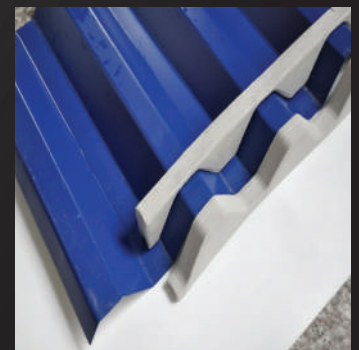
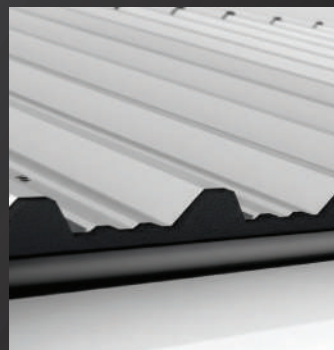
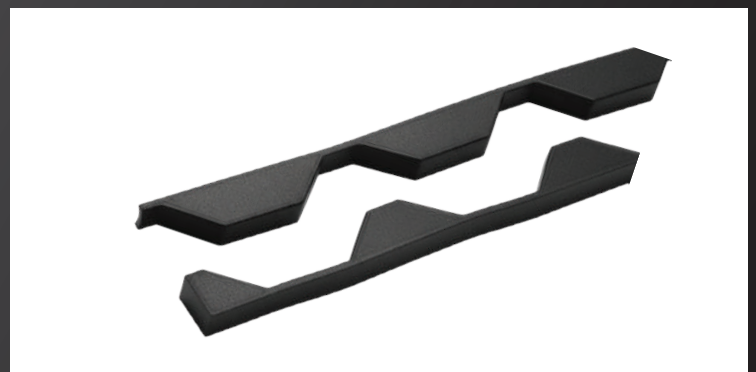
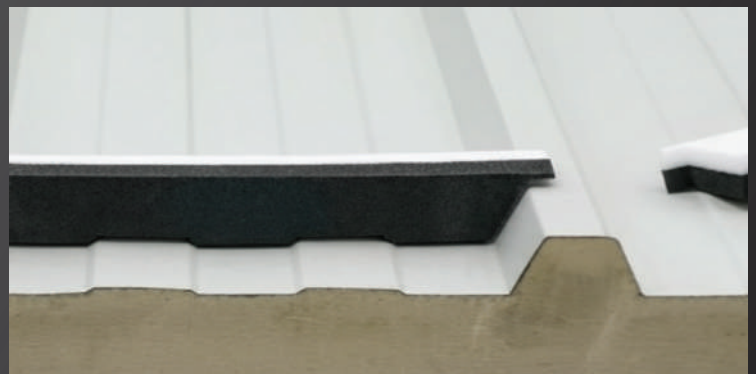
Closed cell and Cross-Linked Low Density Polyethylene Foam (LDPE)

Made from closed-cell, cross-linked low-density polyethylene (LDPE) foam, these blocks provide excellent compression recovery, durability, and weather resistance. They are designed to fill gaps, seal joints, and prevent air and water infiltration in roofing and cladding systems. The foam's flexibility and resilience allow it to conform perfectly to panel profiles, ensuring a tight, uniform seal. Ideal for residential, commercial, and industrial applications, they enhance insulation, structural stability, and overall performance of the installation. These foam closures are easy to install, requiring no additional cutting, and maintain their shape and sealing performance over time. Resistant to UV, moisture, and temperature variations, they provide a long-lasting barrier against dust, pests, and water ingress. Their versatility makes them ideal for roofing, cladding, and sandwich panel systems, ensuring a clean, professional finish and enhanced durability in all construction projects. They also contribute to energy efficiency by reducing heat loss and improving thermal insulation within the building envelope.

PROFILE CUTTING & APPLICATION

Press cut to form exact profile shape

Filler Blocks are designed to fill gaps and spaces in roofing, cladding, and paneling systems, providing a tight, secure fit. Press-cut to match the exact profile shape of the sheets, they ensure uniform contact and proper sealing. Made from durable, weather-resistant materials, Filler Blocks help prevent air and water infiltration, improve insulation, and enhance the overall structural stability of the installation. They are easy to install, fitting precisely into corrugations or panel profiles without the need for additional cutting or modification. By maintaining a consistent seal and alignment, Filler Blocks enhance the longevity.



Feature	Reference
Low Density	33 kg/m ³
Cross-linked	0.35 mm cell size
Age Resistance	Excellent
Weather Sealing	Excellent
Flexibility	Excellent
Forming or Cutting	Easy

6 – PURLIN TAPE



Feature	Reference
Tensile Strength	45 N/10 mm
Steel Adhesion	21 N/100 mm
Elongation	25 %
Thickness	8 mils (0.20 mm)
Service Temperature	Excellent
Standard Size	24, 48, 72, 96 mm X 55 mm
Color	Grey

- 1 - Waterproof cloth-reinforced polythylene film backing
- 2 - Strong and Easy to Tear
- 3 - Cold Temperature Performance
- 4 - Natural Rubber Adhesive
- 5 - When applied on purlin, it creates barrier or insulation between purlin and panel in roofing application
- 6 - Available in Grey color, and standard width of 48 or 72mm and 55 m long

Purlin Tape or Duct Tape

Cloth duct tape with aggressive adhesive

Purlin Tape or Duct Tape is a durable cloth-based tape with strong adhesive properties, widely used in roofing applications for sealing overlaps, joints, and fixing underlays to purlins. It provides reliable adhesion, flexibility, and resistance to wear, ensuring long-lasting performance even under varying environmental conditions. It is also designed to withstand moisture, dust, and temperature variations, making it an essential accessory for secure and efficient roofing installations. Its easy application and strong bonding help maintain a clean, professional finish, reducing maintenance.



Water Resistance

Useful in waterproof application

Designed to provide reliable protection against water ingress, this product ensures long-lasting waterproofing in roofing, cladding, and sealing applications. Its durable composition prevents leaks, enhances structural integrity, and maintains



Easy to Tear

Comfortably tears

This product is designed for user-friendly handling, allowing it to be torn by hand without the need for scissors or cutting tools. Its controlled tear properties ensure precise application, reduce waste, and enhance efficiency during installation making it ideal for roofing, sealing.



Adhesion

Good holding power

Engineered for strong and reliable bonding, this product ensures that materials remain securely fastened to a variety of surfaces. Its excellent adhesion provides long-lasting performance, resisting peeling or slippage. It maintains consistent grip over time.

7 – SILICON SEALANT SOUDAL

Soudal Silicone Sealant is a high-quality, neutral cure sealant designed for long-lasting, flexible, and durable sealing applications. It adheres to a wide range of materials including glass, metal, ceramics, and most construction substrates without the need for priming. With excellent weather, UV, and temperature resistance, it ensures reliable performance in both indoor and outdoor environments.

SILICONE SEALANT – SOUDAL – MAKE BELGIUM

Silicone Sealant – SOUDAL (Belgium Make) is a high-quality, neutral cure silicone sealant designed for durable, flexible, and long-lasting sealing applications. It offers excellent adhesion to a wide range of materials such as glass, metal, ceramic, and most construction substrates without the need for priming. With superior weather, UV, and temperature resistance, this sealant ensures reliable performance in both indoor and outdoor environments, making it ideal for construction, glazing, sanitary, and general sealing purposes. It remains permanently elastic after curing, providing excellent joint movement capability and preventing cracks or leaks over time. The neutral cure formula minimizes corrosion risk on sensitive metals and ensures compatibility with natural stone.



SOUDAL Universal Silicone GP

Universal General Purpose Silicone

- Very easy to apply
- Colourfast and UV resistant
- Permanently elastic after curing
- Very good adhesion on many materials
- Low modulus, Neutral curing
- Used in building joints with high movement joints
- Used in expansion joints between different materials

SOUDAL WS

Weather Sealing of Expansion Joints

- Compatible with PVB-film
- Compatible with sealants for double glazing
- Very easy to apply
- Colourfast and UV resistant
- Permanent elastic after curing
- Excellent adhesion on materials
- Low modulus, Corrosion free
- Resistant against UV-radiation, rain, frost, wind, ozone.

General Installation

Soudal GP and Soudal WS

Cleaning: Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing). Application Method: With manual- or pneumatic caulking gun. Finishing: With a soapy solution or Soudal Finishing Solution before skinning. Repair with the same material.



Product	Packaging	Color
Soudal Universal Silicone GP	280 ml	Transparent, White
Soudal Silirub WS	310 ml	Black
Soudafoam IK	750 ml	Beige

General Installation

Soudafoam IK

Shake the aerosol can for at least 20 seconds. Put the adapter on the valve. Moisten surfaces with a water sprayer prior to application. Remove pressure from the applicator to stop.



SOUDAFOAM IK

Ready to use Polyurethane Foam

- Excellent adhesion on most substrates (except Teflon, PE and PP).
- High thermal and acoustical insulation.
- Very good filling capacities.
- Excellent mounting capacities.
- Excellent stability (no shrink or post expansion).
- Used in building joints with high movement joints
- Used in filling cavities, Mounting and sealing of frames.

8 – SHEAR STUD

SHEAR STUD OR SHEAR CONNECTOR

Shear Force transfer between the steel section and concrete slab

Shear Studs or Shear Connectors are essential components in composite construction, designed to create a strong, permanent bond between steel beams and concrete slabs. They efficiently transfer shear forces, allowing both materials to act together as a single composite unit, which significantly enhances the load-bearing capacity and overall structural performance.



Product Specification

Material and Mechanical Properties

This section provides detailed information on the material composition, mechanical characteristics, and performance standards of the products. It includes properties such as tensile strength, hardness, corrosion resistance, and load-bearing capacity, ensuring that each component meets industry and construction requirements. Understanding these specifications helps in selecting the right fasteners, connectors, and accessories for specific applications, guaranteeing structural integrity, durability, and reliable performance in both standard and demanding environments.

Grade	% Carbon	% Manganese	% Phosphorus, max	% Sulfur, max
Grade 1010	0.08-0.13	0.30-0.60	0.040	0.050
Grade 1011	0.08-0.13	0.60-0.90	0.040	0.050
Grade 1012	0.10-0.15	0.30-0.60	0.040	0.050
Grade 1013	0.11-0.16	0.50-0.80	0.040	0.050
Grade 1015	0.13-0.18	0.30-0.60	0.040	0.050
Grade 1016	0.13-0.18	0.60-0.90	0.040	0.050
Grade 1017	0.15-0.20	0.30-0.60	0.040	0.050
Grade 1018	0.15-0.20	0.60-0.90	0.040	0.050
Grade 1019	0.15-0.20	0.70-1.00	0.040	0.050
Grade 1020	0.18-0.23	0.30-0.60	0.040	0.050

Standard	Tensile Strength, N/mm ²	Yield Strength, N/mm ²	Elongation, %	Area Reduction, %
AWS D1.1 Type A	420 Min	340 Min	17 Min	50 Min
AWS D1.1 Type B	450 Min	350 Mi	15 Min	50 Min
AWS D1.1 Type C	552 Min	485 Min	-	-
AWS D1.5 Type A	380 Min	-	17 Min	50 Min
AWS D1.5 Type B	415 Min	345 Min	20 Min	50 Min
ISO 13918	450 Min	350 Min	15 Min	-



Head Mark

FX Head Mark for Genuinity

Each fastener is stamped with a FX head mark, ensuring authenticity and traceability of the product. This marking verifies that the bolt, screw, or connector meets quality standards and material specifications, providing confidence in its performance, strength, and reliability.

Drawn Arc Stud Welding

Process of Welding Shear Stud

Drawn Arc Stud Welding is a highly efficient method for attaching shear studs to steel beams in composite construction. In this process, a shear stud is placed on the steel surface, and an electric arc is struck between the stud and the base metal. The intense heat generated melts the stud tip and a small portion of the base metal, creating a molten pool. The stud is then pressed into the pool and held until solidification, forming a strong, permanent mechanical bond. This method ensures consistent quality, high load-bearing capacity.



Standard Ferrule

Ceramic Ferrule

Ferrules are precision components used to protect, align, and insulate cables or wires in mechanical and electrical assemblies. Standard ferrules provide reliable support and prevent fraying of wire ends, ensuring secure connections. Ceramic ferrules offer additional heat resistance.

Stages of Drawn Arc Stud Welding

- 01 - Stud is loaded into the weld tool and positioned against base metal.
- 02 - Trigger is pressed; then stud lifts and arc created - Drawn Arc
- 03 - Arcing period completed and stud is plunged into molten metal pool.
- 04 - Weld is complete, weld tool is withdrawn, ferrule removed for inspection.

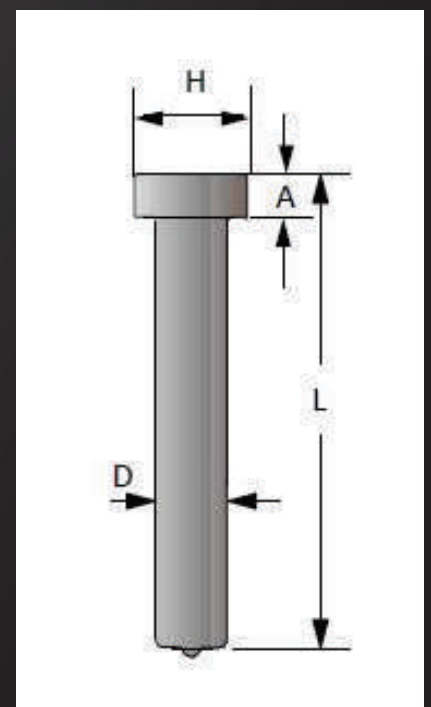


Thru-Deck Ferrule

Ceramic Ferrule

Thru-Deck Ferrules are designed to provide secure passage and insulation for fasteners or cables through deck panels and structural sheets. Made from high-quality ceramic, they offer excellent heat resistance, electrical insulation, and durability, ensuring safe and long-lasting performance.

Diameter, D	A, mm	H, mm	Burn-off, mm	L, mm
1/4" / 6 mm	13	5	3	28, 68, 79, 105
3/8" / 10 mm	19	7	3	35, 41, 54, 66, 79, 105, 130, 155, 206
1/2" / 12 mm	25	8	3	28, 38, 41, 54, 66, 79, 105, 135, 155, 206, 257, 308
5/8" / 16 mm	32	8	4	36, 43, 49, 55, 68, 81, 94, 106, 132, 167, 208, 233, 258, 309
3/4" / 19 mm	32	10	4	81, 94, 106, 119, 132, 144, 157, 170, 182, 208, 233, 258, 309, 411
7/8" / 22 mm	35	10	4	81, 94, 106, 132, 157, 182, 208, 233, 258, 309
1" / 25 mm	41	12	6	82, 108, 133, 158, 184, 209, 235



9 – BLIND RIVETS



Feature	Reference
Head	Plain/Flat
Thread	None
Diameter	M8 - M36
Length	N/A
Material	Mild Steel

BLIND RIVETS OR POP RIVETS

Used when no access to Blind Side

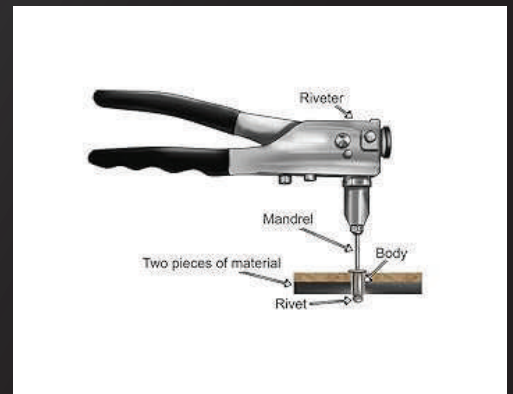
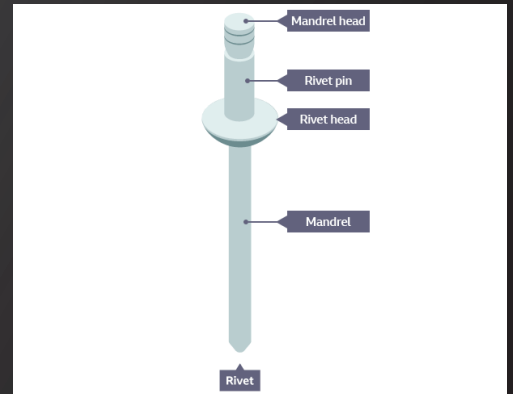
Blind rivets, also known as pop rivets, are fasteners used when access is available from only one side of the workpiece—commonly referred to as the “blind side.” They provide a strong, vibration-resistant, and permanent joint, making them ideal for applications where welding or bolting is impractical. These rivets are widely used in sheet metal fabrication, automotive, construction, and aerospace industries for joining metal, plastic, and composite materials. Easy to install and lightweight, blind rivets ensure clean, secure, and consistent fastening even in hard-to-reach areas. They are available in a variety of materials such as aluminum, steel, and stainless steel to suit different strength and corrosion-resistance requirements.

Full-Aluminum

Closed End Blind Rivet

Full-Aluminum Closed End Blind Rivets are designed for applications requiring lightweight, corrosion-resistant fastening with a sealed finish. They prevent the passage of air, water, and contaminants, ensuring secure joints in electrical enclosures, automotive panels, and outdoor equipment. These rivets offer excellent strength-to-weight ratio, making them ideal for non-ferrous assemblies and marine environments. Their closed-end design enhances durability by eliminating moisture ingress and maintaining structural integrity over time. Commonly used in HVAC systems, electronics, and vehicle body fabrication where clean, leak-proof joints are essential. They also provide superior vibration resistance, ensuring long-lasting joint reliability even under dynamic or high-stress conditions.

D, mm	HD, mm	L, mm	GL, mm	Tensile, N	Shear, N
3.2	6	7	1.0 - 3.0	480	450
3.2	6	9	3.1 - 5.0	480	450
3.2	6	11	5.1 - 7.0	480	450
4.0	8	8	1.5 - 3.5	800	550
4.0	8	10	3.6 - 5.5	800	550
4.0	8	13	6.5 - 8.5	800	550
4.8	9.5	8	1.0 - 3.0	1100	900
4.8	9.5	11.5	5.0 - 7.0	1100	900
4.8	9.5	14	7.1 - 9.0	1100	900
4.8	9.5	16	9.1 - 11.0	1100	900
4.8	9.5	18	11.1 - 13.0	1100	900
4.8	9.5	20	13.1 - 15.0	1100	900
4.8	9.5	22	15.1 - 17.0	1100	900



Aluminum-SS Mandrel

Closed End Blind Rivet

Aluminum body with stainless steel mandrel rivets combine lightweight strength with superior corrosion resistance. These closed-end rivets prevent leakage and contamination, making them ideal for applications requiring airtight or watertight sealing. They deliver strong, vibration-resistant fastening and are widely used in automotive, marine, and HVAC industries.



Feature	Reference
Type	Closed End
Rivet Material	Al-Mg5
Mandrel Material	Stainless Steel SS 304
Rivet Diameter, mm	3.2, 4.0, 4.8
Length, mm	6 - 22

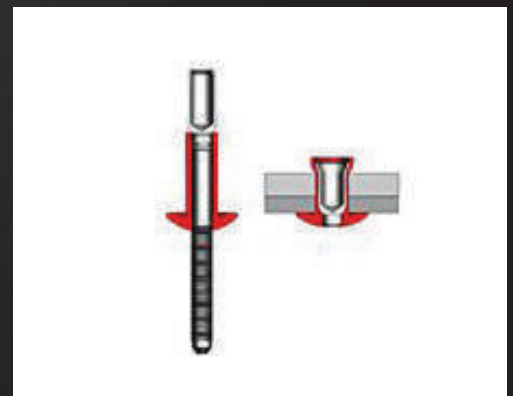
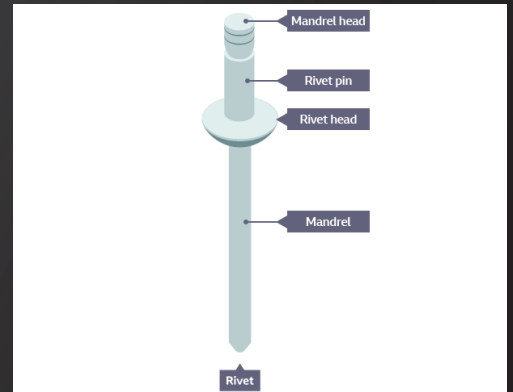


INSTALLATION

Use suitable riveting tool

Installation of blind rivets requires a compatible riveting tool that securely pulls the mandrel to expand and lock the rivet body in place. The tool ensures consistent clamping force and precise alignment, resulting in a durable and professional-grade fastening. Proper tool selection based on rivet size and material ensures optimal performance and longevity of the joint. Installation of blind rivets involves using a suitable riveting tool designed for the specific size and material of the rivet. The tool pulls the mandrel through the rivet body, causing it to expand and firmly grip the material being joined. Once the correct clamping force is achieved, the mandrel snaps off cleanly, leaving a secure and flush finish.

D, mm	HD, mm	L, mm	GL, mm	Tensile, N	Shear, N
3.2	6	7	1.0 - 3.0	1250	1050
3.2	6	9	3.1 - 5.0	1250	1050
3.2	6	11	5.1 - 7.0	1250	1050
4.0	8	8	1.5 - 3.5	2250	1650
4.0	8	10	3.6 - 5.5	2250	1650
4.0	8	13	6.5 - 8.5	2250	1650
4.8	9.5	8	1.0 - 3.0	3050	2250
4.8	9.5	11.5	5.0 - 7.0	3050	2250
4.8	9.5	14	7.1 - 9.0	3050	2250
4.8	9.5	16	9.1 - 11.0	3050	2250
4.8	9.5	18	11.1 - 13.0	3050	2250
4.8	9.5	20	13.1 - 15.0	3050	2250
4.8	9.5	22	15.1 - 17.0	3050	2250





BULB-TITE RIVET

Tri Fold Rivet – Use suitable riveting tool

Bulb-Tite Rivets, also known as Tri-Fold Rivets, are designed for high-strength fastening in soft, thin, or brittle materials such as plastics, composites, and thin sheet metals. When installed using a suitable riveting tool, the rivet body splits into three folds (or petals), creating a large bearing surface that distributes the load evenly and prevents material damage. These rivets offer excellent vibration resistance, watertight sealing, and high pull-out strength, making them ideal for roofing, cladding, automotive, and construction applications.

Feature	Reference
Type	Closed End
Rivet Material	Al-Mg5
Mandrel Material	SS 304
Rivet Diameter, mm	3.2, 4.0, 4.8
Length, mm	6 - 22



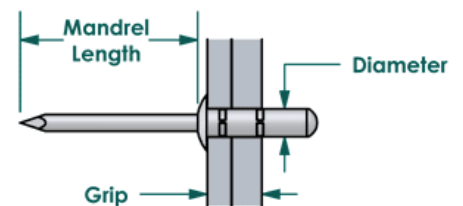
D, mm	HD, mm	L, mm	GL, mm	Tensile, N	Shear, N
4.1	8.9	20.3	1.7 - 6.4	1050	1550
4.1	8.9	25.1	6.4 - 12.7	1050	1550
5.2	11.6	17.5	1.3 - 4.7	2100	3200
5.2	11.6	19.1	2.7 - 6.4	2100	3200
5.2	11.6	22.2	4.7 - 9.5	2100	3200
5.2	11.6	25.4	7.9 - 12.7	2100	3200
5.2	11.6	28.6	11.1 - 15.9	2100	3200
5.2	11.6	31.8	14.3 - 19.1	2100	3200
6.3	14.0	23.4	3.2 - 9.5	3200	5000
6.3	14.0	26.5	6.4 - 12.7	3200	5000
6.3	14.0	29.7	9.5 - 15.8	3200	5000

Bulb-Tite Rivet

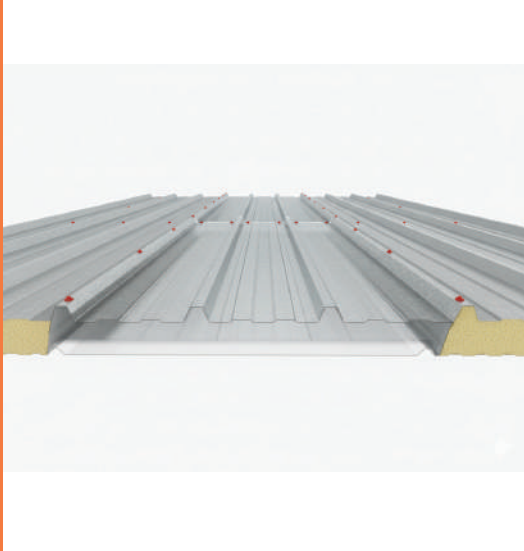
Trifold Water Seal Rivet

Trifold Water Seal Rivets are engineered to provide secure fastening with an integrated water-tight seal, making them ideal for roofing, cladding, and outdoor applications. When installed with a suitable riveting tool, the rivet body expands into three folds, creating a wide bearing surface that distributes load evenly while sealing against moisture ingress.

These rivets combine high pull-out strength, vibration resistance, and corrosion protection, ensuring long-lasting, reliable joints in both industrial and construction environments. Their precision design and consistent installation make them perfect for applications requiring durable, weather-resistant fastening.



10 – SKYLIGHT PANEL



SKYLIGHT PANEL

Solution for free lighting inside enclosed buildings

Skylight panels are designed to bring natural light into enclosed spaces, reducing the need for artificial lighting and enhancing energy efficiency. Made from durable, UV-resistant materials such as polycarbonate or acrylic, they provide long-lasting performance, weather resistance, and thermal insulation.

Ideal for industrial, commercial, and residential buildings, skylight panels improve interior illumination, occupant comfort, and overall aesthetics. They are easy to install, compatible with various roofing systems, and can be customized in size, shape, and transparency to meet specific architectural and functional requirements.

Application

All type of buildings

- Skylights
- Roof Lights
- Sidelights
- Factories
- Workshops
- Warehouse
- Industrial Sheds
- Conservatories roofing
- Overhead glazing
- Smoke extractor
- Public Malls
- Roofed Markets

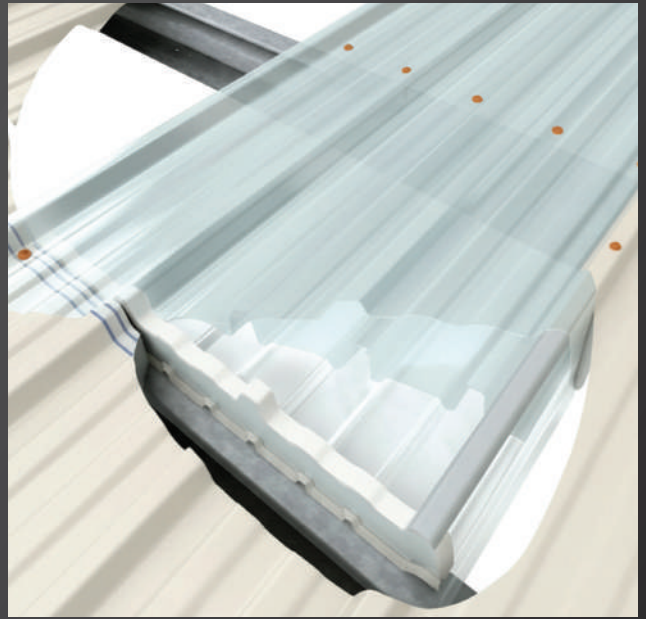


Properties and Advantages

Introducing natural light into a closed space

Skylight panels are designed to introduce natural light into enclosed spaces, reducing reliance on artificial lighting and lowering energy costs. They offer high impact resistance, UV protection, and weather durability, ensuring long-lasting performance even in harsh environments. These panels are available in a variety of materials, finishes, and designs, enabling architects and builders to achieve both functional efficiency and aesthetic appeal.

These panels enhance interior illumination, improve occupant comfort, and create a visually appealing environment. Easy to install and maintain, they are compatible with various roofing systems and can be customized in size, shape, and translucency to meet both functional and architectural requirements. Their use promotes energy efficiency, sustainability, and a healthier indoor atmosphere. Skylight panels also provide thermal insulation, helping to maintain comfortable indoor temperatures and reduce heating or cooling costs. Their lightweight yet durable construction allows for quick installation without putting excessive load on the roof structure.



Feature	Reference
Thickness	1-4 mm
Cover Width	As per profile design (Max. 1250 mm)
Length	1-6 m
Density	1536.6 kg/m ³
Color	Clear Translucent or Tinted
Light Transmission	55 -85 %
Water Absorption	< 0.25 % by mass, 24 h, 22°C
Tensile Strength	8.9 kN/cm ²
Flexural Strength	16.5 kN/cm ²
Compressive Strength	18.5 kN/cm ²
Shear Strength	9.85 kN/cm ²
Impact Strength	4.27 N/cm ²
Flexural Modulus	721 N/cm ²
Hardness (Barcol)	45 -65 N/cm ²
Thermal Conductivity (k-Value)	0.15 W/m K
Thermal Transmittance (U-Value)	5.58 W/m ² K
Thermal Expansion Coefficient (Linear)	24 X 10 ⁶ m/°C
Shading Coefficient (Single)	80 %
Operating Temperature	-25 to +80 °C

Advantages

All type of buildings

- It renders considerable savings on electricity bills during daytime
- Higher strength to weight ratio
- Easy to install
- Virtually maintenance free (occasional cleaning recommended)
- Provides diffused light with maximum illumination
- Can be manufactured to suit any profile, shape or size
- High resistant to shattering
- Resistant to corrosive and chemical environments

Caution

Foot Traffic

- Not suitable for foot traffic if thickness < 4 mm and purlin spacing > 1250 mm

11- GRP DOWN SPOUT

Application

Drainage of Rain Water

GRP (Glass Reinforced Plastic) Downspouts are designed to efficiently channel rainwater from roofs to drainage systems, preventing water accumulation and potential structural damage. Made from lightweight, durable, and corrosion-resistant GRP material, these downspouts offer long-lasting performance in both residential and commercial applications.

Their smooth interior surface ensures unobstructed water flow, reducing the risk of blockages, while their high strength and impact resistance make them suitable for harsh weather conditions. GRP downspouts are available in various diameters, lengths, and configurations, making them adaptable to different roofing designs and drainage requirements.



Application

Drainage of Rain Water

GRP Downspouts are primarily used for the efficient collection and discharge of rainwater from roofs to designated drainage systems. They help prevent waterlogging, structural damage, and erosion by directing runoff safely away from the building.

Ideal for residential, commercial, and industrial buildings, these downspouts ensure smooth water flow, durability, and low maintenance. Their corrosion-resistant and impact-resistant construction makes them suitable for harsh weather conditions, providing a reliable and long-lasting solution for rainwater management.

Features and Advantages

Efficient for Drainage

- Available sizes – 2", 3", 4", 6"
- Cost-effective compared to metal downspouts
- Higher strength to weight ratio
- Manufactured to suit any profile shape and size
- Non-conducting and Resistant to corrosive/chemical environments
- Virtually maintenance free (occasional cleaning recommended)
- Easy to install and can be worked on (machined) easily
- Available in various RAL color for aesthetics
- Weatherproof to all extreme conditions
- UV stability & Non-absorbent to hydrocarbons
- High Impact Resistance
- Customizable designs, accessories and options





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