



PATTA®

Grip Forever











Our components, your key

Index

Blind Rivet Series

| | | |
|------------------|---|----|
| PADOM |  | 07 |
| Blind Rivets |  | 17 |
| Blind Rivet Nuts |  | 20 |

Screw Series

| | | |
|--------------------------------|---|----|
| Self Drilling Screws |  | 21 |
| Environment Characteristics |  | 25 |
| Application Diagram |  | 27 |
| PATEK (Stainless Steel Screws) |  | 29 |
| 304 Bi-metal |  | 30 |
| 410 Stainless Steel |  | 31 |
| Stainless Steel Cap |  | 32 |
| Ruspert Coating |  | 33 |
| Self Tapping Screws |  | 35 |
| Collated Screws |  | 39 |

Fixings & Anchors

Fixings & Anchors



43

PACON Concrete Screw Anchors



46

Bolts & Nuts



49

AC Tools

Electric Drill



51

Rotary Hammer . Demolition Hammer



52

Angle Grinder



53

Blower



54

Electric Cut-off Machine . Marble Cutter



55

Electric Mixer . Heat Gun



56

Air Tools

Hydraulic Air Riveter



57

Hand Tools

Multi-Function Hand Riveter



61

Heavy Duty Long Arm Riveter



62

Nut / Thread Setting Hand Riveter



62

Folding Heavy Duty Riveter



62

Hammer Series



63

Utility Knife Series / Pliers Series



65

Allen Wrench



66

Accessories

Power Tape Measures



68

Bits & Sockets / Drill Bits



69

Cutting Wheels & Grinding Wheels



71

Level Ruler / Hacksaw Blades



73

Waterproof Abrasive Paper / Cable Ties



75

Nail

Concrete Nails



77

Hardware

Welding Stud



79

Welding Series



80

Door & Windows

Door Closer PC0770



82

Floor Spring B300 / B330



83

Packaging



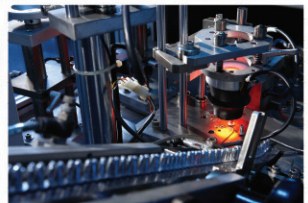
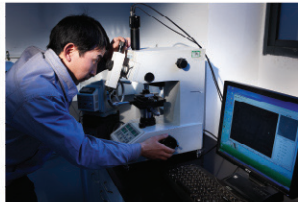
85

Certifications



87

* Technical data shown in the specification table is subject to change without prior notice as per continuous product development and improvement.





Grip Forever

Our Components, Your Key

PATTA®

Professional

provide expertise and know-how in fastener and construction hardware industry

Active

keep improving quality product and service to customers

Trustworthy

with 30-year experience under well-known "PATTA" brand name

Typical

provide unique fastener problem solving

Ambitious

provide a series of activities to meet customers expectation

PADOM Fastening System

PADOM's unique mechanical lock guarantees not only sufficient tensile and shear strength, but is also highly resistant to tamper and vibration, which prevents the loosening of stems and prolongs the lifetime of your construction.

Its high clamp and joint tightness surpasses the work of multiple conventional fasteners, which proves it to be cost efficient.

Altogether PADOM is the best choice for fastening in screening plants and jaw crushers for mining, parabolic troughs and torque tube assembly in solar panels, chaser bins and tractor chassis for agricultural uses, and so many more industries.

Body Low Carbon Steel

Zinc Plated Finish

Mandrel Medium Carbon Steel

Black Antirust Oil Finish



Benefits

- Extends Structure Life
- Prevents Loosening of Joints
- Saves Costs and Time

Applicable Industries

- Renewable Energy
- Agriculture
- Mining
- Construction
- Commercial Transport
- Military Vehicles



Installation Time

01sec



Shear Strength

45100lbs

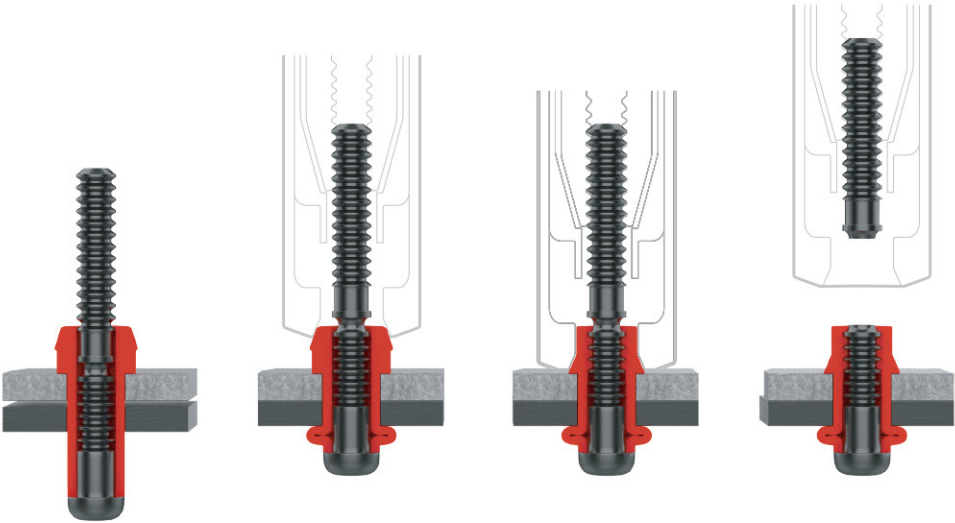


Tensile Strength

29100lbs

PADOM Installation

Installing PADOM fasteners is easy, you can learn the installation procedure in just 1 second, eliminating the need to hire certified welders or specially trained employees. In other words, the correct installation doesn't depend on operator skill and installations are more accurate than other fasteners. When you start using PADOM fasteners, saving you more money in the long run.



1. Insert the fastener into the hole and slip the installation tool over the pintail.

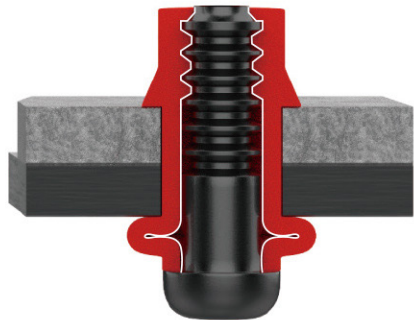
2. Press the trigger to initiate pulling action, until the maximum allowable bulb is formed on the backside.

3. Continued pulling on the pintail draws the workpieces together and moves down the length of the collar, securely locking the collar to the pin.

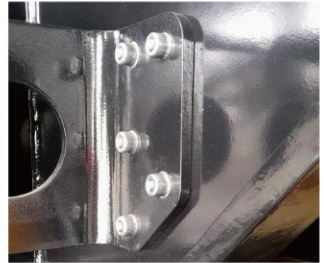
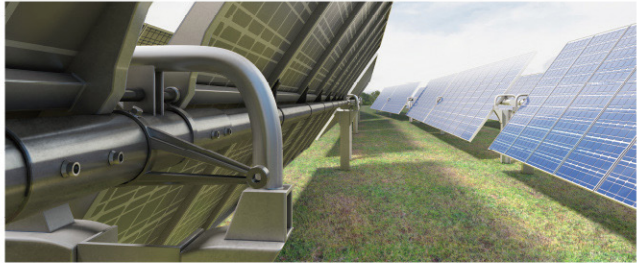
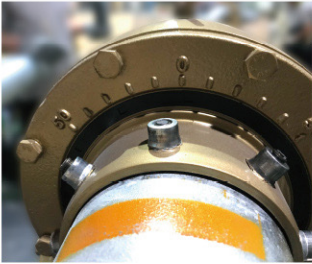
4. The tool ejects the fastener and releases the puller to complete the sequence.

Setting Grip

The collar is locked to the pin through the forming process, creating a high vibration-resistant connection and the highest strength of any blind fastener.



PADOM Application



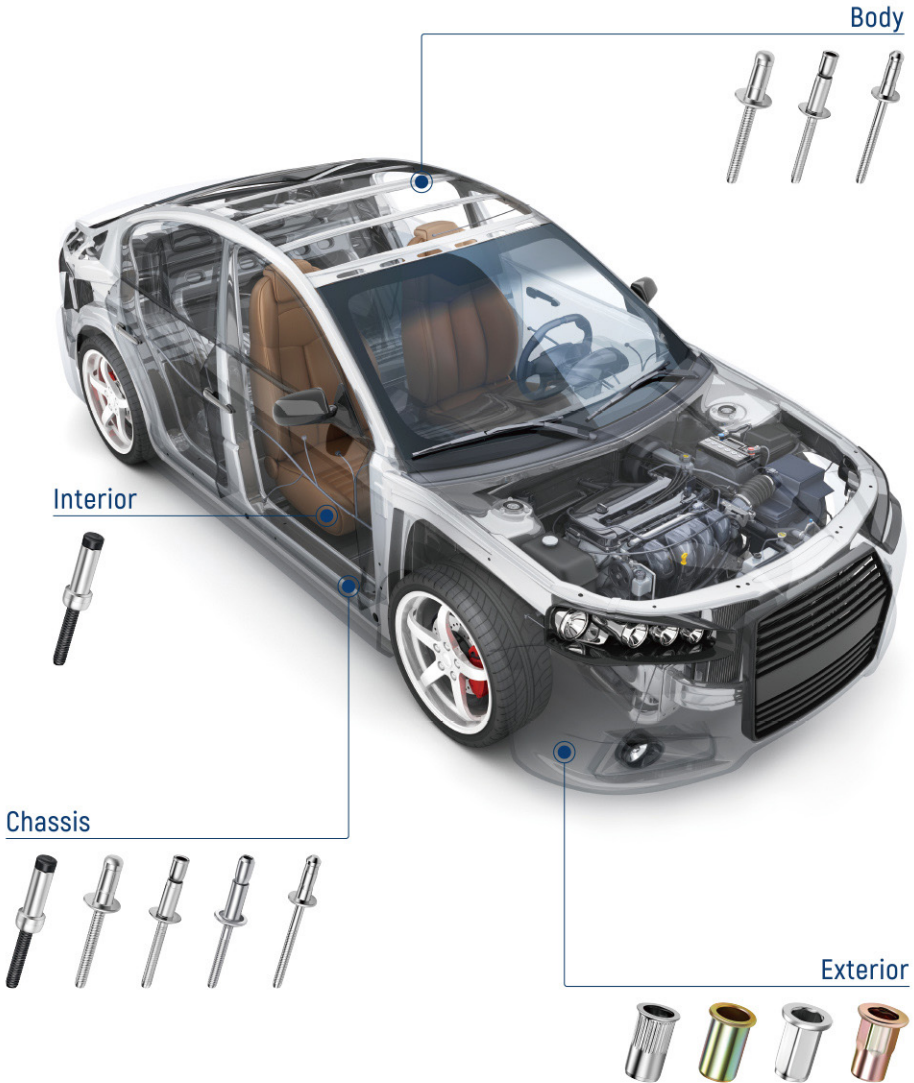
Applications

Agriculture Machinery
Cellular Network Towers
Electric Vehicles
Renewable Energy
Mining
Rail

PADOM's high vibration resistance and high tensile strength makes it the best choice for heavy equipment such as solar panels, electric vehicles and agricultural machinery.

Its high-retained clamp ensures a powerful and secure attachment and its unmatched strength ensures a tight joint, so fewer fasteners are needed compared to standard bolts and welding procedures. Its resilience enables a long-lasting solution, even within the toughest environments.

Application Automotive



Ordering Information

Follow the form below to construct a part number for ordering PATA PADOM blind fasteners. Refer to the Grip Data chart for numbers.

PADOM - (DIAMETER) - (NUMBER)

Example: PADOM-080-4 is a, 8.0mm (5/16") Diameter, No. 4

| Diameter (D) | | Code |
|--------------|-------|------|
| mm | inch | |
| 8.0 | 5/16" | 080 |
| 9.6 | 3/8" | 096 |
| 12.7 | 1/2" | 127 |

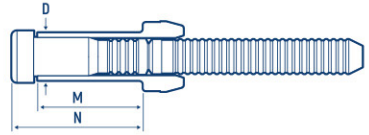
| Diameter (D) | | Code |
|--------------|------|------|
| mm | inch | |
| 16.0 | 5/8" | 160 |
| 19.0 | 3/4" | 190 |





Data and Dimensions

| Diameter (D) | | Product Number | Shear  | | Tensile  | | Clamp Preload  | |
|--------------|-------|----------------|---|-------|---|-------|---|-------|
| mm | inch | | N | lbs | N | lbs | N | lbs |
| 8.0 | 5/16" | PADOM-080 | 35808 | 8050 | 23131 | 5200 | | |
| 9.6 | 3/8" | PADOM-096 | 49375 | 11100 | 32250 | 7250 | 18000 | 4046 |
| 12.7 | 1/2" | PADOM-127 | 89632 | 20150 | 57827 | 13000 | 22800 | 5125 |
| 16.0 | 5/8" | PADOM-160 | 126774 | 28500 | 91189 | 20500 | 50000 | 11240 |
| 19.0 | 3/4" | PADOM-190 | 200615 | 45100 | 129443 | 29100 | | |

Technical Specifications

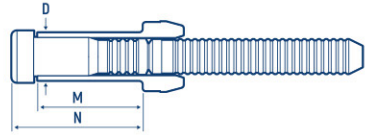
PADOM 080/096








| Diameter (D) | Product Number | M | N (MAX) | Grip Range  | M | N (MAX) | Grip Range  | |
|---|--|-------------|---------|--|----------|---------|--|-----------|
| | | mm | mm | mm | inch | inch | inch | |
| 8.0mm (5/16") Ø8.8-9.3 (0.37)  | PADOM-080-4 | 17.5 | 22.2 | 4.8-7.9 | 0.68 | 0.87 | 0.20-0.31 | |
| | PADOM-080-5 | 19.0 | 23.8 | 6.4-9.5 | 0.74 | 0.94 | 0.26-0.37 | |
| | PADOM-080-6 | 20.8 | 25.4 | 8.0-11.1 | 0.81 | 1.00 | 0.31-0.43 | |
| | PADOM-080-8 | 24.0 | 28.6 | 11.1-14.3 | 0.94 | 1.13 | 0.43-0.55 | |
| | PADOM-080-10 | 27.5 | 31.8 | 14.3-17.5 | 1.08 | 1.25 | 0.55-0.69 | |
| | PADOM-080-12 | 30.5 | 34.9 | 17.5-20.6 | 1.20 | 1.37 | 0.69-0.81 | |
| | PADOM-080-14 | 33.5 | 38.1 | 20.6-23.8 | 1.31 | 1.50 | 0.81-0.94 | |
| | PADOM-080-16 | 36.5 | 41.3 | 23.8-27.0 | 1.43 | 1.63 | 0.94-1.06 | |
| | 9.6mm (3/8") Ø10.5-11.0 (0.43)  | PADOM-096-4 | 19.5 | 25.0 | 4.8-7.9 | 0.76 | 0.98 | 0.20-0.31 |
| | | PADOM-096-6 | 22.5 | 28.0 | 8.0-11.1 | 0.88 | 1.10 | 0.31-0.43 |
| PADOM-096-8 | | 26.0 | 31.0 | 11.1-14.3 | 1.02 | 1.22 | 0.43-0.55 | |
| PADOM-096-10 | | 29.0 | 34.3 | 14.3-17.5 | 1.14 | 1.35 | 0.55-0.69 | |
| PADOM-096-12 | | 32.2 | 37.5 | 17.5-20.6 | 1.26 | 1.48 | 0.69-0.81 | |
| PADOM-096-14 | | 35.3 | 40.5 | 20.6-23.8 | 1.38 | 1.59 | 0.81-0.94 | |
| PADOM-096-16 | | 38.5 | 43.8 | 23.8-27.0 | 1.51 | 1.72 | 0.94-1.06 | |
| PADOM-096-18 | | 41.7 | 47.0 | 27.0-30.1 | 1.64 | 1.85 | 1.06-1.18 | |
| PADOM-096-20 | | 45.0 | 50.2 | 30.1-33.3 | 1.77 | 1.98 | 1.18-1.32 | |

Technical Specifications

PADOM 127/160/190



| Diameter (D) | Product Number | M | N (MAX) | Grip Range  | M | N (MAX) | Grip Range  |
|--|----------------|------|---------|--|------|---------|--|
| | | mm | mm | mm | inch | inch | inch |
| 12.7mm (1/2") Ø13.9–14.8 (0.58)  | PADOM-127-4 | 25.5 | 32.0 | 6.4–9.5 | 1.00 | 1.26 | 0.26–0.37 |
| | PADOM-127-6 | 28.5 | 35.8 | 9.5–12.7 | 1.12 | 1.41 | 0.37–0.49 |
| | PADOM-127-8 | 31.8 | 38.5 | 12.7–15.9 | 1.25 | 1.52 | 0.49–0.63 |
| | PADOM-127-10 | 35.0 | 41.7 | 15.9–19.1 | 1.37 | 1.64 | 0.63–0.75 |
| | PADOM-127-12 | 38.0 | 44.8 | 19.1–22.2 | 1.49 | 1.76 | 0.75–0.87 |
| | PADOM-127-14 | 41.3 | 48.0 | 22.2–25.4 | 1.62 | 1.89 | 0.87–1.00 |
| | PADOM-127-16 | 44.5 | 51.0 | 25.4–28.6 | 1.75 | 2.01 | 1.00–1.12 |
| | PADOM-127-18 | 47.5 | 54.5 | 28.6–31.8 | 1.87 | 2.15 | 1.12–1.26 |
| | PADOM-127-20 | 50.8 | 57.5 | 31.8–34.9 | 2.00 | 2.26 | 1.26–1.38 |
| | PADOM-127-22 | 54.0 | 60.7 | 34.9–38.1 | 2.12 | 2.39 | 1.38–1.50 |
| 16.0mm (5/8") Ø17.4–18.5 (0.73)  | PADOM-127-24 | 57.0 | 64.0 | 38.1–41.3 | 2.24 | 2.52 | 1.50–1.63 |
| | PADOM-160-4 | 30.8 | 39.0 | 6.4–12.7 | 1.21 | 1.54 | 0.26–0.51 |
| | PADOM-160-8 | 37.0 | 45.0 | 12.7–19.1 | 1.45 | 1.77 | 0.51–0.75 |
| | PADOM-160-12 | 43.5 | 51.5 | 19.1–25.4 | 1.71 | 2.03 | 0.75–1.00 |
| | PADOM-160-16 | 47.0 | 58.0 | 25.4–31.8 | 1.85 | 2.28 | 1.00–1.26 |
| 19.0mm (3/4") Ø21.0–22.2 (0.87)  | PADOM-160-20 | 56.0 | 64.5 | 31.8–38.1 | 2.20 | 2.54 | 1.26–1.50 |
| | PADOM-190-4 | 35.1 | 44.5 | 6.4–12.7 | 1.38 | 1.75 | 0.26–0.51 |
| | PADOM-190-8 | 41.4 | 50.8 | 12.7–19.1 | 1.62 | 2.00 | 0.51–0.75 |
| | PADOM-190-12 | 47.7 | 57.1 | 19.1–25.4 | 1.87 | 2.25 | 0.75–1.00 |
| | PADOM-190-16 | 54.1 | 63.5 | 25.4–31.8 | 2.12 | 2.50 | 1.00–1.26 |
| | PADOM-190-20 | 60.4 | 73.4 | 31.8–38.1 | 2.37 | 2.89 | 1.26–1.50 |
| | PADOM-190-24 | 66.8 | 79.8 | 38.1–44.5 | 2.62 | 3.14 | 1.50–1.75 |

Installation Tooling

| Diameter (D) | Installation Tool | Nose Assembly | TYPE |
|------------------|-------------------|--------------------------------|-----------------|
| 8.0mm (5/16") | GB756 | BOM10-756-26 | Pneudraulic |
| | GB2581 | BOM10-756-26 | Hydraulic |
| | HT-40 / HT-60 | 05BM3002028 | HYDRO-PNEUMATIC |
| 9.6mm (3/8") | GB2600 | BOM12-2600-30 BOM12-2600-60 | Hydraulic |
| | GB2620PT | BOM12-2620PT-31 | Hydraulic |
| | HT-60 / HT-100 | 05HT00E1000 | HYDRO-PNEUMATIC |
| | GB2620 | BOM16-2620A-41 | Hydraulic |
| 12.7mm (1/2") | GB2620PT | BOM16-2620PT-41 | Hydraulic |
| | GB2624PTD | BOM16-2624-37 | Hydraulic |
| | GB2628 | BOM16-7624A-40 | Hydraulic |
| | GB3585 | BOM16-7624A-40 | Hydraulic |
| | HT-100 | 05HT00E1200 | HYDRO-PNEUMATIC |
| | 16.0mm (5/8") | GB2628 | BOM20-585-41 |
| GB3585 | | BOM20-585-41 | Hydraulic |
| 12.7mm (3/4") | GB2628 | BOM24-585-46 | Hydraulic |
| | GB3585 | BOM24-585-46 | Hydraulic |



Blind Rivets



OP Open End



Material



Advantages

- Strong but lower cost fastener
- Ideal for a wide range of applications
- Available in a variety of materials
- Dome, countersunk or large flange head styles
- Painted color finishes available to match surrounding

DG Multi-Grip



Material



Advantages

- Optimum clamp-up force
- Accommodates oversized and irregular sized holes
- High mandrel head retention
- Vibration and moisture resistant
- Reduced inventory. It can replace open type up to the sizes

SE Sealed



Material



Advantages

- Unique cup shaped end configuration seals tight, preventing passage of vapor or liquid through set rivet.
- Provides greater tensile and shear strength than equivalent open end.
- Mandrel retention
- Available in a variety of materials
- Dome or countersunk head styles

MG Multi-Grip



Material



Advantages

- Optimum clamp-up force
- Accommodates oversized and irregular sized holes
- High mandrel head retention
- Vibration and moisture resistant
- Reduced inventory. It can replace open type up to the sizes



Stainless Steel



Steel



Aluminum



Copper



Aluminum
Stainless
Steel



Copper
Stainless
Steel



Aluminum
Steel



Copper
Steel

HK High Strength HK-Lok

Material

SS **ST**

Advantages

- Lock, rattle free mandrel
- Superior shear and tensile strength soft and brittle materials inclusive
- Provides excellent integrity
- Fill irregular holes



IB Anlock In-Bolt

Material

SS **ST** **AL**

Advantages

- High shear and tensile strength
- Superior holding power (clamp-up)
- Fastens over wide grip range
- Locking feature prevents loosening of mandrel from vibration



HP High Strength HK-Lok

Material

ST **AL**

Advantages

- Locked, rattle free mandrel
- Superior shear and tensile strength, soft and brittle materials inclusive
- Provides excellent integrity
- Fill irregular holes



OB Anlock Out-Bolt

Material

ST

Advantages

- High shear and tensile strength
- Superior holding power (clamp-up)
- Fastens over wide grip range
- Locking feature prevents loosening of mandrel from vibration



BT
Bulb Tite



Material



Advantages

- Excellent for brittle and soft materials like plastics
- Extra large secondary head provides more bearing surface
- With the wide spreading tail, this rivet has a greater tolerance of oversized holes and offers a wide grip range

PE
Peel Blind Rivet



Material



Advantages

- Provide large secondary bearing surface
- Exceptional pull-up / clamp-up properties

SB
Structural Bulb Tite



Material



Advantages

- Airtight and waterproof (with neoprene washer)
- Wide grip range
- High grip strength
- Soft, thin or brittle subject friendly
- Curved or uneven surface

DR
Drive Rivet



Material



Advantages

- Easy to set
- Mandrel is locked in the body
- Various material friendly (wood, plastic, material ...etc)



Stainless Steel



Steel



Aluminum



Copper



Aluminum
Stainless Steel



Copper
Stainless Steel



Aluminum
Steel



Copper
Steel

Open end
Flat Head
Round body



Material



Advantages

- High clamping force
- The loading is spread over a large area
- Application for thin or soft materials

Open end
Round Body Head
Round body with knurls



Material



Advantages

- High turning resistance
- Screw length can be varied
- High clamping force
- Application for area where high strength of turning is required

Open end
Flat Head
Half hexagon body



Material



Advantages

- High turning resistance
- Screw length can be varied
- High clamping force
- Application for area where high strength of turning is required

Open end
Flat Head
Hexagon body



Material



Advantages

- High turning resistance
- Screw length can be varied
- High clamping force
- Application for area where high strength of turning is required

Self Drilling Screws





Light Duty Hex Washer Head

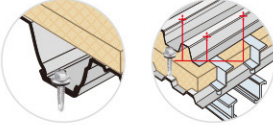
Plated

SS **ZN** **YZ**

Applications

- For light duty purpose
- Stitch roof deck and wall panel side laps
- Residential steel frame construction
- Brick ties to steel framing

Suggested application thickness
point #2 < 2mm



Medium Duty Hex Washer Head

Plated

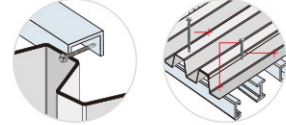
Point

SS **ZN** **YZ** **3**

Applications

- For medium duty purpose
- Roof deck to steel framing
- Accessories to steel framing

Suggested application thickness
point #3 < 5mm



Heavy Duty Hex Washer Head

Plated

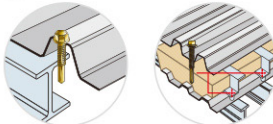
Point

SS **ZN** **YZ** **5**

Applications

- For heavy duty purpose
- Metal deck to structural steel or bar joist
- Clip to structural or bar joist
- Longer length fasteners for sheet application

Suggested application thickness
point #5 < 12mm



EPDM Hex Washer Flange

Plated

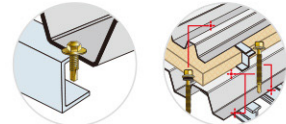
Point

ZN **YZ** **3**

Applications

- For medium duty purpose
- Roof deck to steel framing
- Accessories to steel framing

Suggested application thickness
point #3 < 5mm



Phillips Pan Head

Plated

SS **ZN**

Applications

- Skin sheet to steel
- Residential steel frame construction for light duty purpose
- Suitable for stitching 1 thick & 1 thin steel plate

Suggested application thickness
point #2 < 2mm point #3 < 5mm



Phillips Countersunk Head

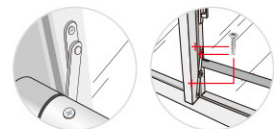
Plated

SS **ZN**

Applications

- Best choice for fastening in window or door frames purpose
- Using in flat surface required
- Using in per-drilling hole for fitting

Suggested application thickness
point #2 < 2mm point #2 < 2mm



SS

Stainless Steel

RS

Ruspert

ZN

Zinc

YZ

Yellow Zinc

BP

Black phosphate

Farmer Screw

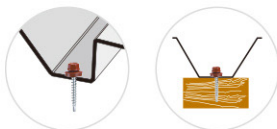


Plated **ZN** Point **2**

Applications

- Effective seal with EPDM - Fixing on the overlap panel
- Roof and wall etc. No overlap use a drill to fit screws in the valleys

Suggested application thickness
Reduced point < 1.6 mm



410 Stainless Steel

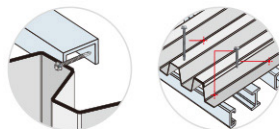


Plated **SS**

Applications

- Architectural moldings and trim
- Excellent corrosion resistance
- Weather resistance, water proof for exterior environment

Suggested application thickness
point #3 < 5mm



Phillips Truss Head

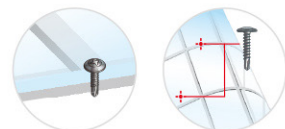


Plated **SS** **ZN** **BP**

Applications

- Residential steel frame construction
- For using in object like ploy carbonate sheet shadow cover

Suggested application thickness
point #2 < 2mm



Phillips Bugle Head

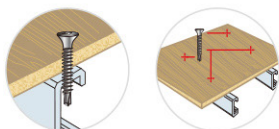


Plated **SS** **ZN** **YZ** **BP** Point **3**

Applications

- For using in stitch wood to metal
- Using in flat surface required
- Using in pre-drilled hole for fitting

Suggested application thickness
point #2 < 2 mm



Phillips Countersunk Wings

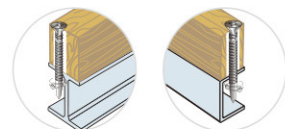


Plated **SS** **ZN** **YZ** Point **3** **4** **5**

Applications

- Wood mansard to steel frames
- Plywood fascia to steel frames
- Plywood roof and floor sheet to steel frames

Suggested application thickness
point #3 < 2 - 5 mm point #4 < 5 - 8 mm point #5 < 9 - 12 mm



Phillips Wafer Head



Plated **SS** **ZN** **YZ**

Applications

- Roof and skin sheet to steel
- Residential steel frame construction
- For light duty purpose

Suggested application thickness
point #3 < 5mm



SS Stainless Steel
RS Ruspert
ZN Zinc
YZ Yellow Zinc
BP Black phosphate



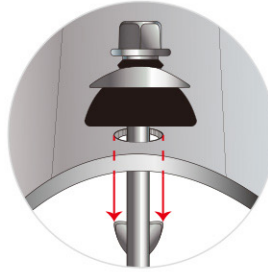
Wing up with washer Hex Washer Head

Plated **ZN** **YZ** Point **2**

Applications

- For fiber cement sheet to steel application
- EPDM with good waterproof
- Wing up to enhance the drilling performance for fitting in out door

Suggested application thickness
point #3 < 5 mm
point #5 < 12 mm



be able to endure heat - expansion
and cold - contraction

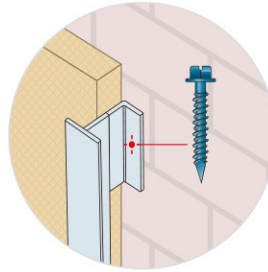


Concrete & Masonry

Applications

- Concrete material fixtures
- Flexible flashing
- Suitable for soft brick & masonry work

Suggested application thickness
diamond point < 0.6 mm



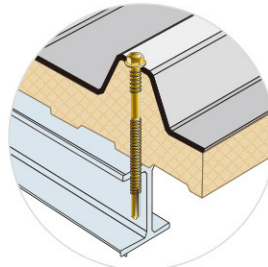
Double thread

Plated **RS** **ZN** Point **5**

Applications

- Roof and wall panel over rigid insulation to steel framing
- Roof panel over spacer block and insulation to eaves purlin

Suggested application thickness
point #3 < 5 mm point #4 < 8 mm
point #5 < 12 mm



Environment Characteristics

To determine the type of environment, an inspection of building in the area is usually necessary

Very Severe Marine (ISO Category 5)



Includes off-shore area and up to 100m from the high waterline of area with breaking surf.

| Warranty Periods | not recommended | no warranty | available |
|------------------------|-----------------|-------------|-----------|
| Zinc or yellow zinc | X | | |
| Painted head | X | | |
| 410 Stainless steel | | ▲ | |
| Anti-corrosion R3 / R4 | | | ● |
| Stainless steel Cap | | | ● |
| PATEK Stainless | | | ● |

Severe Marine (ISO Category 4)



Generally between 100m from the beach front to approximately 300m inland. In high wind area may extend further inland depending on prevailing winds and geography of the area. Characterized by Strong salt structures generally a very noticeable deterioration of most building material is evident.

| Warranty Periods | not recommended | no warranty | available |
|------------------------|-----------------|-------------|-----------|
| Zinc or yellow zinc | X | | |
| Painted head | X | | |
| 410 Stainless steel | | ▲ | |
| Anti-corrosion R3 / R4 | | | ● |
| Stainless steel Cap | | | ● |
| PATEK Stainless | | | ● |

Moderate Marine (ISO Category 3)



Generally between 300m and 1000m from marine surf, although strong prevailing wind may extend this distance. Characterized by occasionally noticeable slight salt. Airborne salt present but not visible as haze.

| Warranty Periods | not recommended | no warranty | available |
|------------------------|-----------------|-------------|-----------|
| Zinc or yellow zinc | X | | |
| Painted head | | ▲ | |
| 410 Stainless steel | | ▲ | |
| Anti-corrosion R3 / R4 | | | ● |
| Stainless steel Cap | | | ● |
| PATEK Stainless | | | ● |

Very Severe Industrial (ISO Category 5)



Characterized by heavy fall-out and emission from sacks and strong sulphur and smells. Generally very high rates of corrosion in most building structures is evident.

| Warranty Periods | not recommended | no warranty | available |
|------------------------|-----------------|-------------|-----------|
| Zinc or yellow zinc | X | | |
| Painted head | | ▲ | |
| 410 Stainless steel | | ▲ | |
| Anti-corrosion R3 / R4 | | | ● |
| Stainless steel Cap | | | ● |
| PATEK Stainless | | | ● |

Note: Warranty period is based on 20-years duration of constructions.

X not recommended

▲ no warranty

● available

Severe Industrial (ISO Category 4)



Characterized by fall-out and emission from stack sulphur and acid smell. Include only plant buildings themselves and any building immediately under stacks. Also includes buildings with high internal humidity and/or corrosion from operation within.

| Warranty Periods | not recommended | no warranty | available |
|------------------------|-----------------|-------------|-----------|
| Zinc or yellow zinc | X | | |
| Painted head | | ▲ | |
| 410 Stainless steel | | ▲ | |
| Anti-corrosion R3 / R4 | | | ● |
| Stainless steel Cap | | | ● |
| PATEK Stainless | | | ● |

Industrial (ISO Category 3)



Characterized by fall-out from adjoining severe industrial environments of were small industries lead to significant industrial fall-out. Generally includes other service buildings located near heavy industrial plants, including out-buildings of the plant itself.

| Warranty Periods | not recommended | no warranty | available |
|------------------------|-----------------|-------------|-----------|
| Zinc or yellow zinc | X | | |
| Painted head | | ▲ | |
| 410 Stainless steel | | ▲ | |
| Anti-corrosion R3 / R4 | | | ● |
| Stainless steel Cap | | | ● |
| PATEK Stainless | | | ● |

Light Industrial/Urban (ISO Category 2-3)



This environment is widespread in industrial urban area, away from all environments listed above and typically more than 500m from heavy industrial fall-out or where small industrial lead to a moderate level of fall-out from small stacks etc.

| Warranty Periods | not recommended | no warranty | available |
|------------------------|-----------------|-------------|-----------|
| Zinc or yellow zinc | X | | |
| Painted head | | ▲ | |
| 410 Stainless steel | | ▲ | |
| Anti-corrosion R3 / R4 | | | ● |
| Stainless steel Cap | | | ● |
| PATEK Stainless | | | ● |

Mild Urban/Rural (ISO Category 1-2)



Always from all above environments and corrosive fall out with 2kms.

| Warranty Periods | not recommended | no warranty | available |
|------------------------|-----------------|-------------|-----------|
| Zinc or yellow zinc | | ▲ | |
| Painted head | | ▲ | |
| 410 Stainless steel | | ▲ | |
| Anti-corrosion R3 / R4 | | | ● |
| Stainless steel Cap | | | ● |
| PATEK Stainless | | | ● |

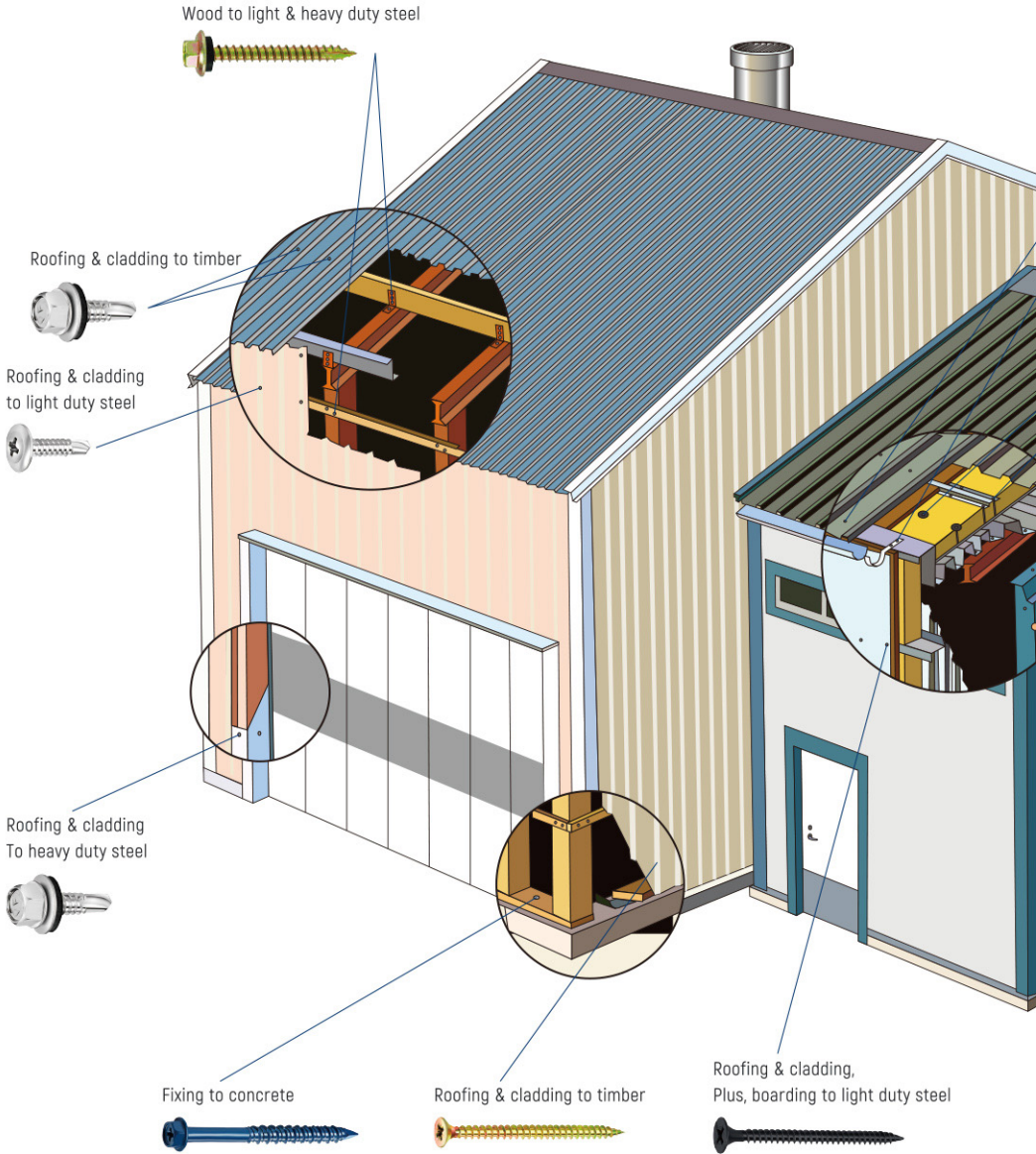
Note: Warranty period is based on 20-years duration of constructions.

X not recommended

▲ no warranty

● available

Our Components, Your Key



Roofing & cladding to light duty steel



Roofing insulation to steel sheets & profiles



Roofing & cladding to light duty steel



Sandwich panel to light duty steel



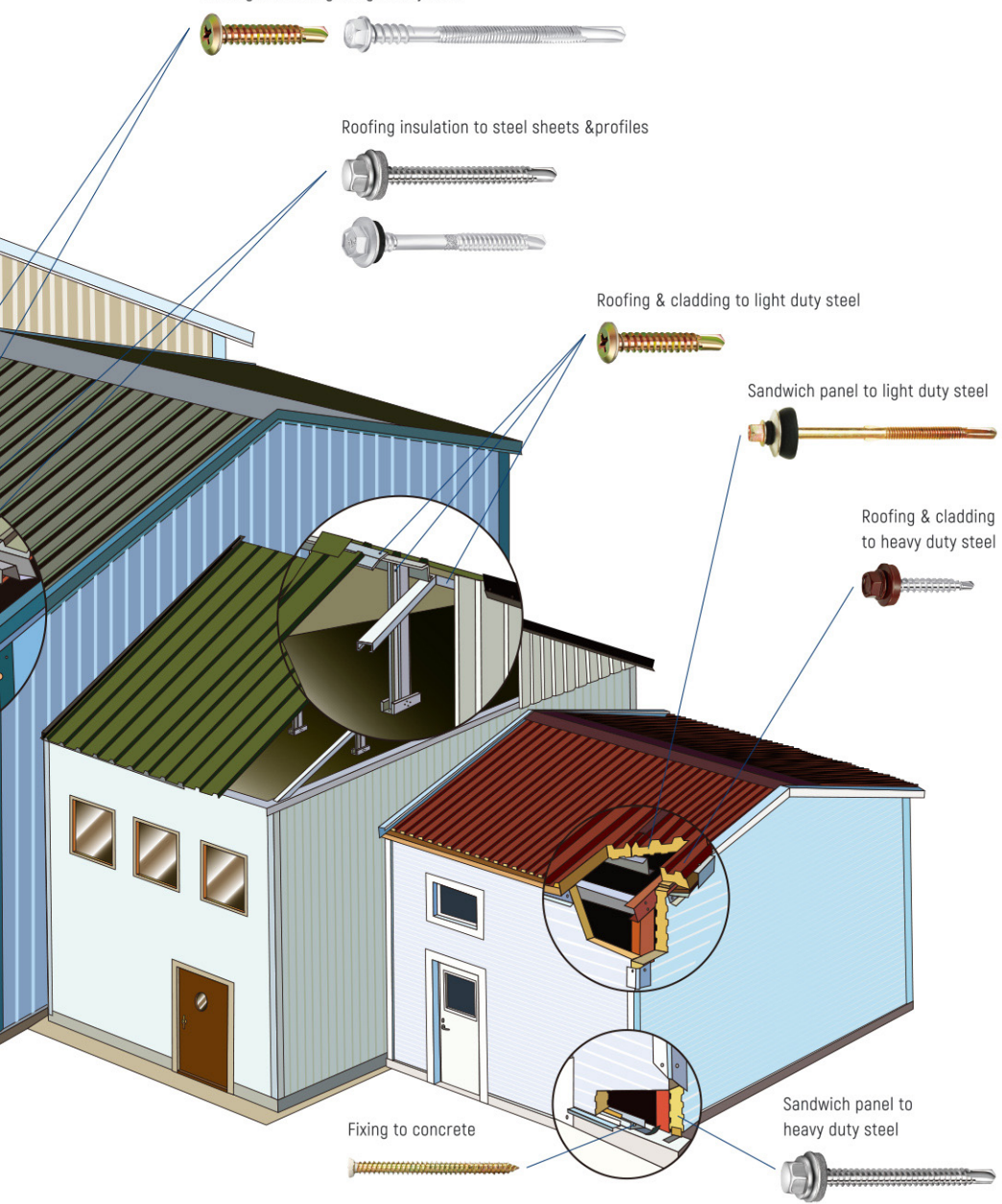
Roofing & cladding to heavy duty steel



Fixing to concrete



Sandwich panel to heavy duty steel



PATEK

NSSC Stainless Steel

Superior anti-corrosion

Salt Spray Test

5,000-10,000 hrs

Kesternich Test

70 cycles

High Hardness

615-640 HV

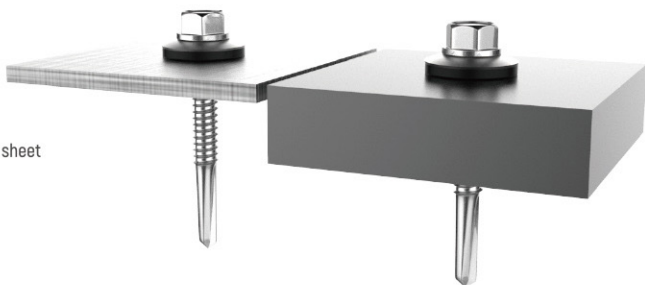
High Tensile Strength

1,800 Mpa.



High Drilling Capacity

PATEK screw size 5.5 with Tek #5



Stainless steel sheet
3mm thick

Steel sheet
12mm thick

High-hardness / High-strength

Drivability of self-drilling screws

| Material of Screw | Drivable Steel Sheet Thickness | Tip Hardness (Hv) | | |
|-------------------|--------------------------------|-------------------|-----|-----|
| | | 200 | 400 | 600 |
| PATEK | > 5.5mm* | | | ■ |
| Type 410 | > 5.5mm | | | ■ |
| Carbon steel | > 5.5mm | | | ■ |
| Type202 | 1.6mm | | ■ | |
| Type304 | < 1.6mm | ■ | | |

* Drivable through 10mm thick steel sheet

Size (mm)

| PAN | CSK | TRUSS | HWH |
|--------|--------|--------|--------|
| 4.2X13 | 4.2X16 | 4.2X13 | 5.5X25 |
| 4.2X16 | 4.2X25 | 4.2X16 | 5.5X38 |
| | | 4.2X19 | 5.5X50 |
| | | | 5.5X65 |
| | | | 5.5X75 |

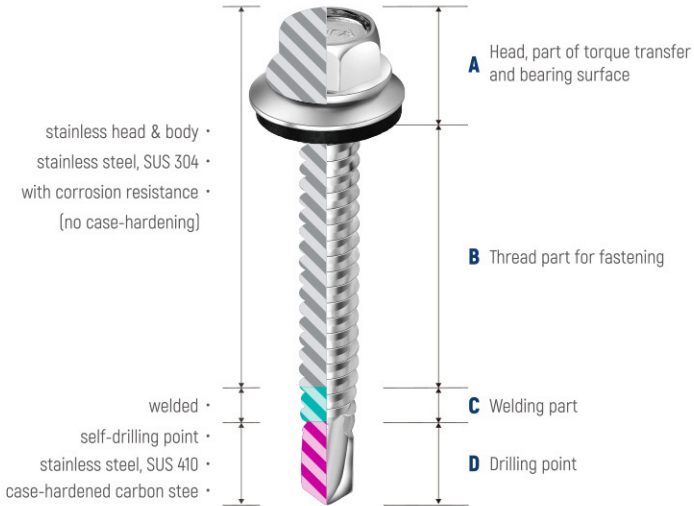
* Other sizes available upon request

304 Bi-metal

SUS304 Bi-metal screws

combined together two parts by welding, the one consisting of a stainless head which shall be exposed air and a stainless shank which undergoes the full-stress after fastened into materials, and the another is a carbon steel hardened for self-drilling and self-tapping.

Configuration



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 600HV



410 Stainless Steel

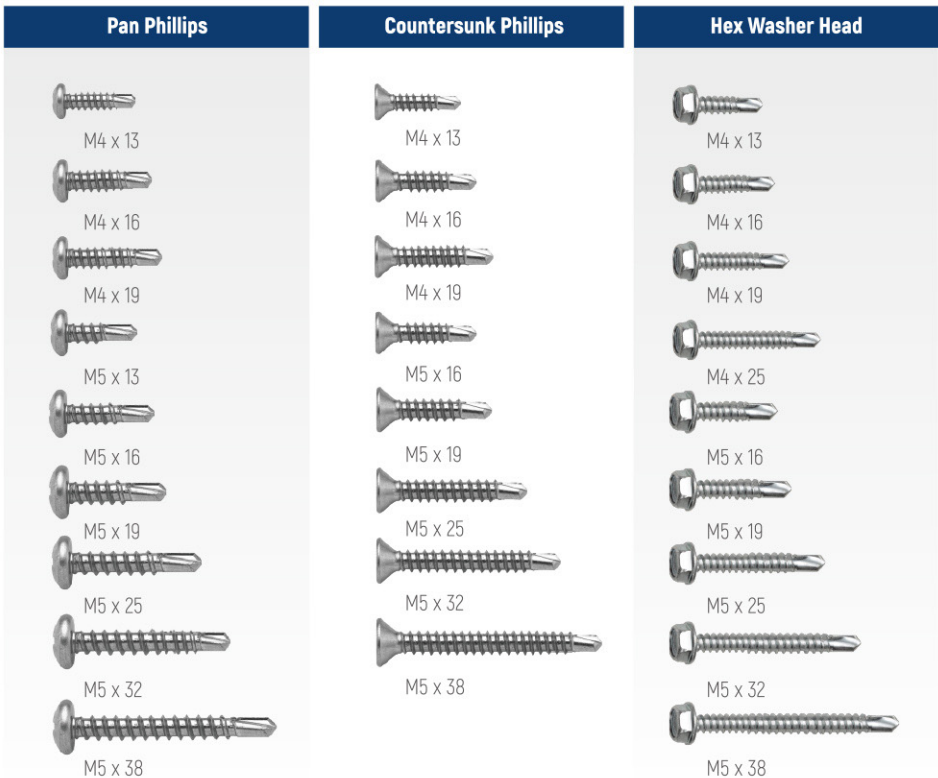
SUS410 Stainless Steel screws

Stainless steel fasteners are a natural choice with stainless steel building components.

Where possible, a fastener of similar or superior corrosion resistance to the component should be used.

Type 410 is a general-purpose martensitic stainless steel that is frequently used for fasteners.

Its resistance to corrosion is not as good as Type 304, but it is satisfactory for many architectural applications.



Custom Options

All our products come in various sizes, styles and can be customized to fit your needs.



Stainless Steel Cap

Applications

- For steel construction
- Excellent works for steel plate roof
- Suitability of aluminum and plastic window accessory

Features

- Weather resistance
- Water proof for exterior environment
- Prevent rust

Size

Ø #12-14 (M5.5)

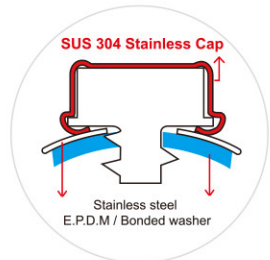
Ø #14-14 (M6.3)

Length [mm] :

25 / 38 / 50 / 65 / 75 / 90 / 100 / 125



Plated Point
ZN **2** **3**



Suggested application thickness
point #2 < 2 mm
point #3 < 5 mm

Ruspert Coating - Super Anti-corrosion



Extra-heavy plating provides long corrosion-free service.

EPDM Sealing

Made of macromolecule material, the EPDM seal contains excellent characters of aging, ultraviolet rays resistance and endure to ozone, high temperature and low temperature (-50°C - 150°C)

Hi-grip

Hi-grip is a dual-threaded system that provides positive support to roofing profiles and secures a watertight seal between fastener and roofing sheet during crest fixing.

Drillshield

To enlarge the hole in the profile, and to avoid damage to the protective coating on the shank beneath the roof.

Thread

PATTA fasteners are designed to give the best possible holding power with a low installation torque. As thinner high tensile sections are introduced, our engineers ensure that screws have optimum holding power and pullout strength.

Hi Tek

C-1022 steel case hardened drill point that will drill and thread in structural steel and mild steel. This technology is designed in a manner much the same as a high speed steel drill bits.

Salt-spray Test Result

after 1500 hrs (40µ)



after 1000 hrs (30µ)



after 500 hrs (20µ)



Self Tapping Screws





Drywall Screw

Specification

- Bugle head phillips
- Twinfast thread



Pan Head

Specification

- DIN 7981
- Pan head
- pan phillips combo



Drywall Screw

Specification

- Bugle head phillips
- Coarse thread



Flat Head

Specification

- DIN 7982
- Flat head



Chipboard Screw

Specification

- Flat head, pozi recess



Hex Washer Head

Specification

- Hex washer head



Oval Head

Specification

- DIN 7983 self tapping screw
- Oval phillips



Truss Screw

Specification

- Truss head phillips



Wood Screw Hexagon Head

Specification

- DIN 571
- Hexagon head



Confirmat Screw

Specification

- Phillips drive or hex



Wood Screw Flat Head

Specification

- DIN 7997
- Flat head phillips
- Black oxide / zinc



Machine Screw

Specification

- Flat head phillips



Pan Framing Screw

Specification
- Phillips drive



Concrete Screw

Specification
- Flat torx head



Dowel Screws

Specification
- Dowell screw



Break Machine Screw

Specification
- Phillips
- Pozi drive



Hanger Bolt



Stainless Screw

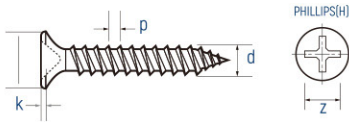
Specification
- Oval Head
- Flat Head
- Pan Head
- Hex Washer Head

Collated Screws



Phillips Bugle Head

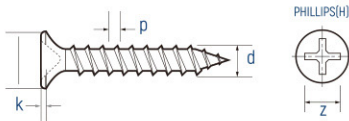
Twinfast Thread



| d | dk (max) | k | z | p |
|------|-------------|-----|------|------|
| M3.5 | 8-8.4 | 0.8 | No.2 | 1.49 |
| M3.9 | 8-8.4 | 0.8 | No.2 | 1.59 |



Coarse Thread



| d | dk (max) | k | z | p |
|------|-------------|-----|------|------|
| M3.5 | 8-8.4 | 0.8 | No.2 | 2.82 |
| M3.9 | 8-8.4 | 0.8 | No.2 | 2.82 |



| Size | (mm) | (inch) | | |
|------------|------|-----------|--------------|------------------------|
| 3.5 | 25 | #6x1" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| | 32 | #6x1-1/4" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| | 38 | #6x1-1/2" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| 3.9 | 25 | #7x1" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| | 38 | #7x1-1/2" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| | 50 | #7x2" | 50pcs / Belt | 20Belt (1000pcs) / Box |

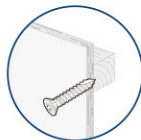


Countersunk Wings



| Size | (mm) | (inch) | | |
|------------|------|-----------|--------------|------------------------|
| 3.9 | 25 | #7x1" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| | 38 | #7x1-1/2" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| | 50 | #7x2" | 50pcs / Belt | 20Belt (1000pcs) / Box |

Chipboard Screws



| Size | (mm) | (inch) | | |
|------------|------|-----------|--------------|------------------------|
| 3.5 | 25 | #6x1" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| | 30 | #6x1-1/4" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| 4.5 | 35 | #6x1-3/8" | 50pcs / Belt | 20Belt (1000pcs) / Box |
| | 40 | #6x1-5/8" | 50pcs / Belt | 20Belt (1000pcs) / Box |

Fixings & Anchors





Nylon Plug

Applications

- Concrete & masonry building materials
- Perforated brick and more.....



Nylon Frame Hammer Fixing

Applications

- Concrete
- Sand-Lime solid brick & red solid brick and more.....



Hose Clamp

Applications

- Wildly used with full size range.
- Easy installation by using flathead screw driver.
- Manufactured in fine procedures to ensure well function.
- Quality zinc-plated surface to enhance anti-rust performance.
- Applications: automotive, vessel and construction applications for binding and fixing functions.



Nylon Frame Anchor

Applications

- Wood, hardboard, plaster, metal
- Cinder block, slate, marble, plastic, glass, concrete and more....



Metal Frame Anchor

Applications

- Plastic, wood, slate, hollow brick
- Plaster, metal, cinder block, marble concrete and more....



Wedge Anchor

Applications

- Cracked concrete
- Non-cracked concrete, and more....



Drop-in Anchor

Applications

- Concrete & natural stone
- Pipes, gratings, ventilation systems, sprinkler systems, suspended ceilings and more....



Shield Anchor

Applications

- Concrete, brickwork, blocks work
- Medium duty fixing, garage door, racking to walls, and more....



Bolt Anchor

Applications

- Cracked and non-cracked concrete
- Natural stone, and more....



Cut Anchor

Applications

- Concrete & natural stone
- Steel construction, handrails, consoles, ladders, cable trays and more....



Hammer Drive Anchor

Applications

- Concrete
- Solid brick & natural stone and more....



Plasterboard Fixing Metal

Applications

- Fiber board
- Single & double plasterboard, rear-insulated plasterboard, and more....



Sleeve Anchor Flange Nut Type

Applications

- Concrete, brick, block, stone, gates
- Steel construction, elevator, bathing, equipment, and more....



Plasterboard Fixing Nylon

Applications

- Plasterboard
- Lamp, skirting board, switches, cable ducts, picture frames, and more....



Hollow Wall Anchor

Applications

- Wall board, plaster, paneling, shelves
- Hollow block, lamps, window elements, fiber cement board, and more....

PACON

— Concrete Screw Anchor —

NSSC Stainless Steel

Superior anti-corrosion

Salt Spray Test

5,000-10,000 hrs

Kesternich Test

70 cycles

Bi-metal

Long lifespan project

Carbon Steel

Enhance the mechanical property by special heating technique



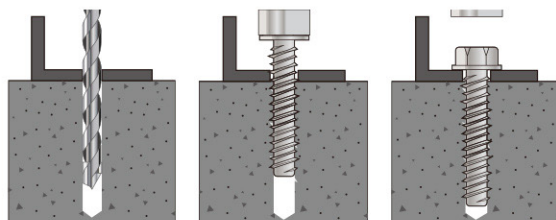
Features

- Tri-lobe drilling tip with special saw tooth leads it into the concrete easily. (For NSSC & Carbon Steel)
- High hardness. Strong tensile strength.
- No extension transferred to the base material. Avoid complex installation.
- Applicable closer to the edge than traditional expansion anchors.
- Easy maintenance – Disassemble + Removable.
- Performs reliably in cracked and non-cracked concrete.

Size (mm)

| | | | |
|-------|--------|---------|---------|
| M6X50 | M8X75 | M10X75 | M12X75 |
| M6X75 | M8X100 | M10X100 | M12X100 |
| | | | M12X150 |

※ Other sizes available upon request



1.
Drill & clean the hole

2.
Insert the anchor with
socket wrench or an
impact driver

3.
Tighten the anchor
until the fixture is held
firm

Applications



Bolts & **Nuts**





Hexagonal Head Bolt

· DIN 933



Hexagon Nut

· DIN 934



Hexagonal Head Bolt

· DIN 931



Wing Nut

· DIN 315



Hexagonal Socket Head Cap Screw

· DIN 912



Threaded Rod

· DIN 975



Mushroom Head Square Neck Bolt

· DIN 603



Hex Nut With Plastic Insert

· DIN 985

Power Tools



Electric Drill



AEL03-10 / AEL03-10L

| | |
|------------------------|--------------------|
| Rated Power Input | 300 W |
| No-load Speed | 0- 3000 r/min |
| Max. Drilling Capacity | Steel Φ 10 mm |
| | Wood Φ 18 mm |
| Net Weight | 1.5 kg |



AEL05-13

| | |
|------------------------|--------------------|
| Rated Power Input | 500 W |
| No-load Speed | 0- 1200 r/min |
| Max. Drilling Capacity | Steel Φ 13 mm |
| | Wood Φ 20 mm |
| Net Weight | 2.4 kg |

Electric Impact Drill



AEL02-6A / AEL02-6AL

| | |
|------------------------|---------------------|
| Rated Power Input | 230 W |
| No-load Speed | 0-3800 r/min |
| Max. Drilling Capacity | Steel Φ 6.5 mm |
| | Wood Φ 9 mm |
| Net Weight | 1.2 kg |



AEI05-10

| | |
|---------------------------|-----------------------|
| Rated Power Input | 500 W |
| No-load Speed | 0-2600 r/min |
| Rated Impacting Frequency | 0-41600 (.../min) |
| | Steel Φ 10 mm |
| Max. Drilling Capacity | Concrete Φ 13 mm |
| | Wood Φ 25 mm |
| Net Weight | 2.0 kg |

Rotary Hammer



ARH09-30

| | |
|------------------------|------------|
| Rated Power Input | 960 W |
| No-load Speed | 1000 r/min |
| Max. Drilling Capacity | Φ30 mm |
| Net Weight | 5.2 kg |



ARH05-20

| | |
|------------------------|-------------|
| Rated Power Input | 500 W |
| No-load Speed | 0-850 r/min |
| Max. Drilling Capacity | Φ20 mm |
| Net Weight | 2.9 kg |

Demolition Hammer



ADH09

| | |
|---------------------------|----------------|
| Rated Power Input | 1050 W |
| Rated Impacting Frequency | 2900 (.../min) |
| Net Weight | 6.8 kg |



ADH10

| | |
|---------------------------|----------------|
| Rated Power Input | 1050 W |
| Rated Impacting Frequency | 3000 (.../min) |
| Net Weight | 5.5 kg |

Angle Grinder



AAG08-125

| | |
|------------------------|-------------|
| Max. Wheel Diameter | Φ125 mm |
| Hole Diameter of Wheel | Φ22 mm |
| Rated Power Input | 850 W |
| Rated Speed | 11800 r/min |
| Net Weight | 1.8 kg |



AAG07-115

| | |
|------------------------|-------------|
| Max. Wheel Diameter | Φ115 mm |
| Hole Diameter Of Wheel | Φ22 mm |
| Rated Power Input | 710 W |
| Rated Speed | 11800 r/min |
| Net Weight | 1.6 kg |



AAG07-100

| | |
|------------------------|-------------|
| Max. Wheel Diameter | Φ100 mm |
| Hole Diameter Of Wheel | Φ16 mm |
| Rated Power Input | 710 W |
| Rated Speed | 13000 r/min |
| Net Weight | 1.6 kg |



AAG14-150

| | |
|------------------------|------------|
| Max. Wheel Diameter | Φ150 mm |
| Hole Diameter of Wheel | Φ22 mm |
| Rated Power Input | 1400 W |
| Rated Speed | 9000 r/min |
| Net Weight | 3.3 kg |



AAG20-180

| | |
|------------------------|------------|
| Max. Wheel Diameter | Φ180 mm |
| Hole Diameter of Wheel | Φ22 mm |
| Rated Power Input | 2200 W |
| Rated Speed | 8300 r/min |
| Net Weight | 5.0 kg |



AAG20-230

| | |
|------------------------|------------|
| Max. Wheel Diameter | Φ230 mm |
| Hole Diameter of Wheel | Φ22 mm |
| Rated Power Input | 2200 W |
| Rated Speed | 6600 r/min |
| Net Weight | 6.5 kg |

Blower



AAG08-115

| | |
|------------------------|-------------|
| Max. Wheel Diameter | Φ115 mm |
| Hole Diameter of Wheel | Φ22 mm |
| Rated Power Input | 850 W |
| Rated Speed | 11800 r/min |
| Net Weight | 1.8 kg |



ABL04-25

| | |
|--------------------|-------------------------|
| Rated Power Input | 480 W |
| No-load Speed | 14000 r/min |
| The Max Gas Volume | 2.5 m ³ /min |
| Net Weight | 1.8 kg |

Electric Cut-off Machine



ASC20-355

| | |
|-------------------|-------------------|
| Wheel Size | 355 x 3 x 25.4 mm |
| Rated Power Input | 2000 W |
| No-load Speed | 3800 r/min |
| Net Weight | 16 kg |

Marble Cutter



AMC16-110

| | |
|-----------------------|-------------|
| Blade Diameter | Φ110 mm |
| Max. Cutting Capacity | 30 mm |
| Rated Power Input | 1600 W |
| Bevel Cutting angle | 0°-45° |
| No-load Speed | 12000 r/min |
| Net Weight | 3.2 kg |

Electric Circular Saw



ACS11-185

| | |
|-----------------------|------------|
| Rated Power Input | 1100 W |
| No-load Speed | 5600 r/min |
| Max. Cutting Capacity | 64 mm |
| Max. Cutting Angle | 45° |
| Net Weight | 3.6 kg |



ACS20-235

| | |
|-----------------------|----------------------------|
| Rated Power Input | 2000 W |
| No-load Speed | 4100 r/min |
| Max. Cutting Capacity | (90°) 85 mm (45°) 60 mm |
| Max. Cutting Angle | 50° |
| Net Weight | 6.5 kg |

Electric Mixer

AEM08-160

| | |
|-------------------|-----------|
| Rated Power Input | 800 W |
| No-load Speed | 680 r/min |
| Net Weight | 2.4 kg |



Heat Gun



AHG20

| | |
|--------------------------|------------|
| Rated Power Input | 2000 W |
| Low Temperature | 50-480 °C |
| High Temperature | 50-600 °C |
| Air Flow Low Temperature | 210-250 °C |
| High Temperature | 340-380 °C |
| Net Weight | 0.8 kg |



Hydraulic Air Riveter



PAR-01



PAR-03



PAR-02

PAR-01

3.2(1/8) 4.0(5/32) 4.8(3/16)

| | | | | | | | |
|--------------|-------------------|---------------------------------|-----------------|---------|-----------|-------------------|-----------|
| Stroke | Maximum | 14mm | Air consumption | @5.5kgf | 1.2L | Alum / Steel | ● ● ● ● ● |
| Pull Force | @5.5bar / 5.5 kgf | 6.0kn / 612kgf | per cycle timme | | | All Steel | ● ● ● |
| Weight | kg | 1.7kg | Noise | Below | 75dB(A) | Stainless / Steel | ● ● ● |
| Cycle Time | Second | 0.9s | Vibration | Below | 2.5 m/s 2 | All Stainless | ● ● |
| Air Pressure | Minimum-maximum | 5 - 7kgf (no exceeding 7kgf) | | | | | |

PAR-02

4.0(5/32) 4.8(3/16)

| | | | | | | | |
|--------------|-------------------|---------------------------------|-----------------|---------|-----------|-------------------|-----------|
| Stroke | Maximum | 17mm | Air consumption | @5.5kgf | 2.1L | Alum / Steel | ● ● ● ● ● |
| Pull Force | @5.5bar / 5.5 kgf | 9.34kn / 953kgf | per cycle timme | | | All Steel | ● ● ● |
| Weight | kg | 2.1kg | Noise | Below | 75dB(A) | Stainless / Steel | ● ● ● |
| Cycle Time | Second | 0.8s | Vibration | Below | 2.5 m/s 2 | All Stainless | ● ● ● |
| Air Pressure | Minimum-maximum | 5 - 7kgf (no exceeding 7kgf) | | | | | |

PAR-03

4.8(3/16) 6.4(1/4)

| | | | | | | | |
|--------------|-------------------|---------------------------------|-----------------|---------|-----------|-------------------|-----------|
| Stroke | Maximum | 26mm | Air consumption | @5.5kgf | 4.3L | Alum / Steel | ● ● ● ● ● |
| Pull Force | @5.5bar / 5.5 kgf | 12.9kn / 1316kgf | per cycle timme | | | All Steel | ● ● ● |
| Weight | kg | 2.3kg | Noise | Below | 75dB(A) | Stainless / Steel | ● ● ● |
| Cycle Time | Second | 1.2s | Vibration | Below | 2.5 m/s 2 | All Stainless | ● ● ● |
| Air Pressure | Minimum-maximum | 5 - 7kgf (no exceeding 7kgf) | | | | | |

For Structural Rivet **PAR-04**

Recommended for industrial Production Line
Supported Rivets: ● Production line ● General Use

AR-600

Specialized for



Specification

| | |
|------------------------------------|--|
| Weight | 1.5kg |
| Operating Air | 0.49-0.59MPa(5-6kgf/cm ² m, 71-85psi) |
| Dimension | 255x285x80mm |
| Air Consumption per rivet | 1.5(0.053) |
| Tool Stroke mm(inch) | 14(35/64) |
| Traction power at 0.59mpa kN [kgf] | 8(820) |
| Applicable break stem rivet | Φ mm: 3.2, 4.0 Φ inch: 1/8, 5/32 |



AR-800

Specialized for



Specification

| | |
|------------------------------------|--|
| Weight | 2kg |
| Operating Air | 0.49-0.59MPa(5-6kgf/cm ² m, 71-85psi) |
| Dimension | 275x315x90mm |
| Air Consumption per rivet | 2.9(0.102) |
| Tool Stroke mm(inch) | 16(41/64) |
| Traction power at 0.59mpa kN [kgf] | 12(1,250) |
| Applicable break stem rivet | Φ mm: 4.0, 4.8, 6.4 Φ inch: 5/32, 3/16, 1/4 |



ST

Steel

AL

Aluminum
Steel

Hand Tools



Multi-Function Hand Riveter



HR-901N



HR-902N



HR-908N

HR-901N

Specification

Body made of steel Tool dimension: 10 inch / 250mm

Supported Rivet

Specialized for OP type

| | 2.4 mm inch | 3.2 3/32" | 3.2 1/8" | 4.0 5/32" | 4.8 3/16" |
|--------------|-------------------|--------------|-------------|--------------|--------------|
| Alum / Steel | ● | ● | ● | ● | ● |

HR-902N

Specification

Aluminum alloy body Tool dimension: 10 inch / 250mm

Supported Rivet

Specialized for OP type

| | 2.4 mm inch | 3.2 3/32" | 3.2 1/8" | 4.0 5/32" | 4.8 3/16" |
|---------------|-------------------|--------------|-------------|--------------|--------------|
| Alum / Steel | ● | ● | ● | ● | ● |
| Steel / Steel | ● | ● | ● | ● | ● |

HR-908N

Specification

Cross pin made by alloy steel Tool Dimension: 10 inches / 250mm

Supported Rivet

Specialized for OP type

| | 2.4 mm inch | 3.2 3/32" | 3.2 1/8" | 4.0 5/32" | 4.8 3/16" |
|---------------|-------------------|--------------|-------------|--------------|--------------|
| Alum / Steel | ● | ● | ● | ● | ● |
| Steel / Steel | ● | ● | ● | ● | ● |
| SS / Steel | ● | ● | ● | ● | ● |
| SS / SS | ● | ● | ● | ● | ● |

Heavy Duty Long Arm Riveter HR-701



Specification

Tool Length: 11 inch / 280mm

Supported Rivet

Specialized for OP type

| | 2.4 mm inch | 3.2 3/32" | 4.0 1/8" | 4.8 5/32" | 4.8 3/16" |
|---------------|-------------------|--------------|-------------|--------------|--------------|
| Alum / Steel | ● | ● | ● | ● | ● |
| Steel / Steel | ● | ● | ● | ● | ● |
| SS / Steel | ● | ● | ● | ● | ● |
| SS / SS | ● | ● | ● | ● | ● |

Heavy Duty Long Arm Riveter HR-702



Specification

Cross pin made by alloy steel
Tool Dimension: 10 inches / 250mm

Supported Rivet

Specialized for OP type

| | 2.4 mm inch | 3.2 3/32" | 4.0 1/8" | 4.8 5/32" | 4.8 3/16" |
|---------------|-------------------|--------------|-------------|--------------|--------------|
| Alum / Steel | ● | ● | ● | ● | ● |
| Steel / Steel | ● | ● | ● | ● | ● |
| SS / Steel | ● | ● | ● | ● | ● |
| SS / SS | ● | ● | ● | ● | ● |

Folding Heavy Duty Riveter HR-8000-1N



Specification

Tool Length: 12 inch / 305mm

Supported Rivet

Specialized for OP type

| | 3.2 mm inch | 4.0 1/8" | 4.8 5/32" | 6.4 3/16" | 6.4 1/4" |
|---------------|-------------------|-------------|--------------|--------------|-------------|
| Alum / Steel | ● | ● | ● | ● | ● |
| Steel / Steel | ● | ● | ● | ● | ● |
| SS / SS | ● | ● | ● | ● | ● |

Nut / Thread Setting Hand Riveter HN-901



Specification

Tool Dimension: 13 inches / 330mm

Mandrel capacity

M3(#6), M4(#8), M5(#10), M6(#1/4),
M8(#5/16), M10(#3/8)

Standard accessory

M5(#10), M6(#1/4), M8(#5/16)
M3(#6), M4(#8), M10(#3/8), M12(#3/8) are also available for order.

Claw Hammer

in bent head



| Item no. | Size |
|-----------|------|
| HBH-Z0008 | 8oz |
| HBH-Z0016 | 16oz |

Claw Hammer

with magnet in bent head



| Item no. | Size |
|------------|------|
| HBH-Z0016M | 16oz |

Claw Hammer

in straight head



| Item no. | Size |
|-----------|------|
| HSH-Z0016 | 16oz |

Claw Hammer

with magnet in straight head



| Item no. | Size |
|------------|------|
| HSH-Z0016M | 16oz |

Ball Pein Hammer



| Item no. | Size |
|-----------|------|
| HBP-Z0024 | 24oz |
| HBP-Z0032 | 32oz |
| HBP-Z0040 | 40oz |

Machinist Hammer



| Item no. | Size | Item no. | Size |
|-----------|------|-----------|-------|
| HMT-G0100 | 100g | HMT-G0500 | 500g |
| HMT-G0200 | 200g | HMT-G1000 | 1000g |
| HMT-G0300 | 300g | HMT-G1500 | 1500g |
| HMT-G0400 | 400g | HMT-G2000 | 2000g |

Cross Ball Pein Hammer



| Item no. | Size | Item no. | Size |
|-----------|-------|-----------|-------|
| HCB-M0016 | 16 mm | HCB-M0022 | 22 mm |
| HCB-M0018 | 18 mm | HCB-M0025 | 25 mm |
| HCB-M0020 | 20 mm | | |

Stoning Hammer



| Item no. | Size | Item no. | Size |
|-----------|-------|-----------|-------|
| HST-G0800 | 800g | HST-G2000 | 2000g |
| HST-G1000 | 1000g | | |
| HST-G1500 | 1500g | | |

Pick Mattock



| Item no. | Size |
|-----------|--------|
| HPM-G1500 | 1.5 kg |
| HPM-G2000 | 2 kg |

Rubber Hammer

in TPE



| Item no. | Size |
|-----------|------|
| HRB-Z0008 | 8oz |
| HRB-Z0012 | 12oz |
| HRB-Z0016 | 16oz |

Sledge Hammer



| Item no. | Size | Item no. | Size |
|-----------|------|-----------|------|
| HSL-P0002 | 2LB | HSL-P0012 | 12LB |
| HSL-P0003 | 3LB | HSL-P0014 | 14LB |
| HSL-P0004 | 4LB | HSL-P0016 | 16LB |
| HSL-P0006 | 6LB | HSL-P0018 | 18LB |
| HSL-P0008 | 8LB | HSL-P0020 | 20LB |
| HSL-P0010 | 10LB | | |

Kitchen Axe



| Item no. | Size |
|-----------|-------|
| HKA-G0600 | 600g |
| HKA-G0800 | 800g |
| HKA-G1000 | 1000g |
| HKA-G1250 | 1250g |
| HKA-G1500 | 1500g |

Utility Knife Series



0141-C

Aluminum alloy utility knife with rubber case, 1+4 blades, SK4, stainless housing holder

Blade size : T-sharp



0331-S

ABS +TPR Rubber case utility knife, 3 blade, SK4, lock, 18mm width, stainless housing holder

Blade size : 18mm width



0321-C

ABS +TPR Rubber case utility knife, 1 blade, SK4, 18mm width, stainless housing holder, In blister card

Blade size : 18mm width

Pliers Series



Combination Pliers
7" / 8"



Long Nose Pliers
6"



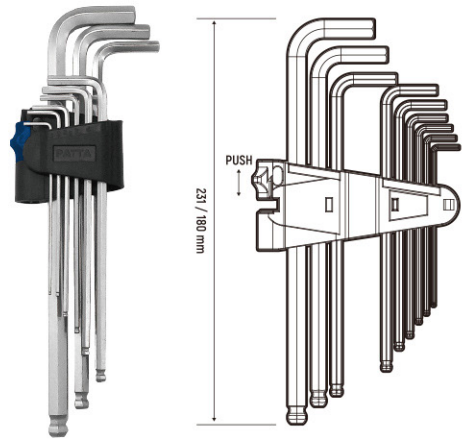
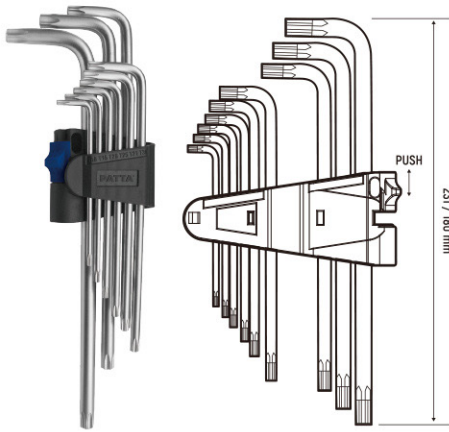
Diagonal Cutting Pliers
6"



Allen Wrench

Features

- The storage holder convenient for taking out and safe keeping tools.
- Keys manufactured from chrome vanadium steel giving additional durability and extended life.
- Professionally treated faces give prolonged product usage.



SMC-9A Size(mm)

| ★ | T10 | T15 | T20 | T25 | T27 | T30 | T40 | T45 | T50 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Φ _{mm} | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 7.0 | 8.0 | 9.0 |
| ↑ | 63 | 77 | 87 | 93 | 104 | 120 | 141 | 158 | 180 |
| ↓ | 15 | 18 | 20 | 23 | 29 | 32 | 38 | 44 | 50 |

BMC-9A Size(mm)

| ◆ | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 10 |
|---|-----|----|-----|----|-----|-----|-----|-----|-----|
| ↓ | 63 | 77 | 87 | 93 | 104 | 120 | 141 | 158 | 180 |
| ↓ | 15 | 18 | 20 | 23 | 29 | 32 | 38 | 44 | 50 |

SLC-9A Size(mm)

| ★ | T10 | T15 | T20 | T25 | T27 | T30 | T40 | T45 | T50 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Φ _{mm} | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 7.0 | 8.0 | 9.0 |
| ↑ | 91 | 102 | 113 | 127 | 142 | 163 | 184 | 205 | 231 |
| ↓ | 15 | 18 | 20 | 23 | 29 | 32 | 38 | 44 | 50 |

BLC-9A Size(mm)

| ◆ | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 10 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ↓ | 91 | 102 | 113 | 127 | 142 | 163 | 184 | 205 | 231 |
| ↓ | 15 | 18 | 20 | 23 | 29 | 32 | 38 | 44 | 50 |

Accessories



Power Retracting Tape Measure



- Chrome plated casing.
- Length available : 3M, 5M, 7.5M, 10M
- Heat treated steel tape ensures durability and satisfaction during usage.
- When retracting, used side breaking button to reduce recoil speed.
- Coated steel hook protects and reinforceds tape blade.
- Metallic belt clip for your convenience.
- Equipped with holding strap.
- Equipped with 2-stop mechanism.

Spring loaded for fast, excellent retraction.
With side breaking button to control recoil speed.

Packaging



Bits & Sockets

Iron Work Applications, Made of Alloy Steel



Phillips



Square(Roberson)



Pozidriv



Torx



1/4" Hex Shank,
Double-ended Bit



Nut Setters
• Magnetic
• Non-Magnetic

Packaging



Drill Bits



HSS Drill Bit

Size

| Size | Dia | x TL | x WL [mm] | PCS/BOX |
|------|-------|-------|-----------|---------|
| 2 | x 49 | x 24 | 10 | |
| 3 | x 61 | x 33 | 10 | |
| 4 | x 75 | x 43 | 10 | |
| 5 | x 86 | x 52 | 10 | |
| 6 | x 93 | x 57 | 10 | |
| 7 | x 109 | x 69 | 5 | |
| 8 | x 117 | x 75 | 5 | |
| 9 | x 125 | x 81 | 5 | |
| 10 | x 133 | x 87 | 5 | |
| 12 | x 151 | x 101 | 5 | |
| 13 | x 151 | x 101 | 4 | |

MASONRY

Size

| Size | Dia | x TL | x WL [mm] | PCS/BOX |
|------|-------|------|-----------|---------|
| 4 | x 80 | x 45 | 30 | |
| 5 | x 90 | x 50 | 30 | |
| 6 | x 100 | x 60 | 30 | |
| 8 | x 120 | x 80 | 30 | |
| 10 | x 120 | x 80 | 30 | |

SDS Plus

Size

| Size | Dia | x TL | x WL [mm] | PCS/BOX |
|------|-------|-------|-----------|---------|
| 5 | x 110 | x 50 | 30 | |
| | x 160 | x 100 | 30 | |
| 6 | x 110 | x 50 | 30 | |
| | x 160 | x 100 | 30 | |
| 8 | x 210 | x 150 | 18 | |
| | x 110 | x 50 | 30 | |
| 8 | x 160 | x 100 | 30 | |
| | x 210 | x 150 | 18 | |
| 10 | x 110 | x 50 | 30 | |
| | x 160 | x 100 | 30 | |
| 10 | x 210 | x 150 | 18 | |
| | x 160 | x 100 | 18 | |
| 12 | x 210 | x 150 | 18 | |
| | x 160 | x 100 | 18 | |
| 14 | x 160 | x 100 | 30 | |
| | x 210 | x 150 | 30 | |
| 16 | x 160 | x 100 | 18 | |
| | x 210 | x 150 | 30 | |
| 18 | x 210 | x 150 | 30 | |
| | x 210 | x 150 | 30 | |
| 20 | x 410 | x 350 | 25 | |
| | x 410 | x 350 | 25 | |
| 22 | x 410 | x 350 | 25 | |
| | x 410 | x 350 | 25 | |



Cutting Wheel

Cutting wheel is composed of abrasive grain, and bonded together by phenolic resin and other filler. Reinforced glass fiber is added to strengthen the wheel structure. Cutting wheel must be used in right angle cutting.



Application:

Angle iron cutting, Iron bar cutting, Work piece disassembly.

Grinding Wheel

Grinding wheel is composed of abrasive grain, and bonded together by phenolic resin and filler. Reinforced glass fiber is added to strengthen the wheel structure. The depressed center design reinforces the overall structure to ensure the user's safety during grinding operation.







Application:

Grinding, Chamfering, Debarring, Welding cleaning.



Cutting Wheels



metal cutting - flat center

| Size - inch (mm) | | | |  Metal |  Inox |  Aluminum |  Cast Iron |
|------------------|---|-------------|---|---|--|--|---|
| 4" (105) | x | 1/24" (1.0) | x | 5/8" (16.0) | • | • | • |
| 4" (105) | x | 1/21" (1.2) | x | 5/8" (16.0) | • | • | |
| 4.5" (115) | x | 1/24" (1.0) | x | 7/8" (22.0) | • | • | |
| 7" (180) | x | 1/16" (1.6) | x | 7/8" (22.2) | • | • | |
| 9" (230) | x | 5/64" (2.0) | x | 7/8" (22.2) | • | | |
| 12" (305) | x | 1/8" (3.2) | x | 1" (25.4) | • | | |
| 14" (350) | x | 1/8" (3.2) | x | 1" (25.4) | • | | |
| 14" (355) | x | 1/8" (3.0) | x | 1" (25.4) | • | | |
| 16" (400) | x | 1/8" (3.2) | x | 1" (25.4) | • | | |
| 16" (400) | x | 1/8" (3.2) | x | 1-1/4" (32.0) | • | | |



Cutting Wheels



metal cutting - depressed center

| Size - inch (mm) | | | |  Metal |  Inox |
|------------------|---|-------------|---|---|--|
| 4.5" (115) | x | 1/21" (1.2) | x | 7/8" (22.2) | • |
| 4.5" (115) | x | 1/8" (3.0) | x | 7/8" (22.2) | • |
| 7" (180) | x | 1/16" (1.6) | x | 7/8" (22.2) | • |
| 7" (180) | x | 1/8" (3.0) | x | 7/8" (22.2) | • |
| 9" (230) | x | 1/8" (3.0) | x | 7/8" (22.2) | • |



Grinding Wheels

metal grinding - type 27 depressed center

| Size - inch (mm) | | | |  Metal |  Inox |
|------------------|---|------------|---|---|--|
| 4" (100) | x | 1/4" (6.0) | x | 5/8" (16.0) | • |
| 4.5" (115) | x | 1/4" (6.0) | x | 7/8" (22.2) | • |
| 7" (180) | x | 1/4" (6.0) | x | 7/8" (22.2) | • |
| 9" (230) | x | 1/4" (6.0) | x | 7/8" (22.2) | • |



Level Ruler

Features

- Powerful magnetic surface for accurate hands-free leveling
- TPR covered handle with ergonomic design and more comfortable grip
- Anti-shock flexible rubber cover
- Sided precision milling (precision up to 0.5mm/m)
- Acrylic precision three-wire vial with magnet
- Patented design for flexible rubber cover of both ends to structure loose
- Clear bottom scale for easy measuring

300mm / 400mm / 500mm

600mm / 800mm / 1000mm



High Speed Steel Bi-Metal Hacksaw Blades

18T / 24T / 32T



- Saw blade is light with multiple applications.
- High end bi-metal material with three TPI selections.
- An excellent cutting tool auxiliary for professional.

Features

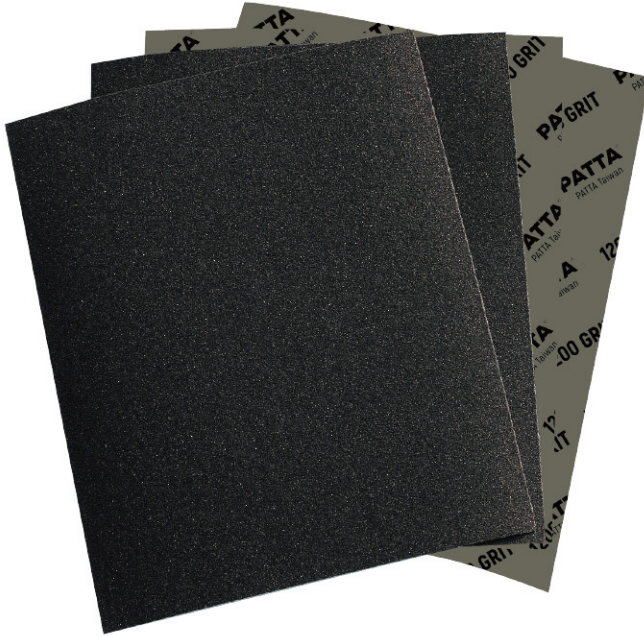
- KWCT teeth geometry design increases cutting speed which is 33% faster than other competitors.
- Bi-Metal hacksaw blade is not easy to break which increase cutting durability and keep work safely.

Application

- Mold / Tooling business
- Door and window decorate.
- Metal processing
- Plumbing



Waterproof Sandpaper



Application

- Water resistant
- Paper Sanding Roll for hand sanding and for orbital sander
- Suited for the sanding of extremely hard materials such as stone, glass, perspex, marble, car paint or baked enamel
- Also suitable for wet grinding (without tools)

Grit

60 / 80 / 100 / 120 / 150 /
180 / 220 / 280 / 320



Cable Ties

Made in Taiwan



Features

- Material : UL approved Nylon 6/6
- Flammability : UL 94V-2
- Working Temp. : -40°C to 85°C
- Made to comply with MIL-SPEC M20693B, tensile strength meet or exceed MIL-S 23190E standard

Size (mm)

2.5 x 100 / 3.5 x 150 / 3.5 x 201 / 3.5 x 290
4.6 x 199 / 4.6 x 250 / 4.6 x 302 / 4.6 x 371
7.5 x 370



Concrete Nail



For use on concrete materials, high strength, anti-corrosion

Application

Decorating, Hard Wood, Brick Wall, Concrete Wall.

Angular Spiral Shank Twisted Shank

| Diameter | | Length |
|----------|---|--------------|
| 3.0 | x | 1" 25 mm |
| 3.2 | x | 1 1/2" 38 mm |
| 3.6 | x | 2" 50 mm |
| 4.0 | x | 2 1/2" 65 mm |
| 4.2 | x | 3" 75 mm |
| 4.5 | x | 4" 100 mm |
| 4.5 | x | 5" 125 mm |
| 4.5 | x | 6" 150 mm |

Smooth Shank

| Diameter | | Length |
|----------|---|--------------|
| 2.0 | x | 3/4" 19 mm |
| 2.0 | x | 1" 25 mm |
| 2.0 | x | 1 1/4" 32 mm |
| 2.0 | x | 1 1/2" 38 mm |



Hardware



Weld Stud

Material



Brass

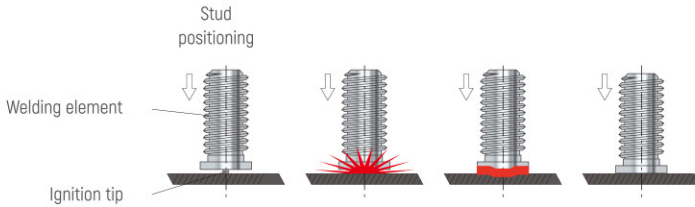


Aluminum



Stainless Steel

Application



- No drilling or tapping
- No cleanup
- Will not vibrate loose
- No weld fillet

Welding Series

Mild Steel

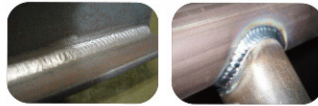
AWS E6013 SMAW



2.5(3/32"), 3.2(1/8"), 4.0(5/32") 350L
5kg/ Box, 20kgs / Carton, 960kgs / Pallet

High Tensile

AWS E7018 SMAW



3.2(1/8"), 4.0(5/32") 350L
5kg/ Box, 20kgs / Carton, 960kgs / Pallet

Stainless Steel

AWS E308L-16 SMAW



2.5(3/32") 300L
4kg/ Box, 16kgs / Carton, 576kgs / Pallet

3.2(1/8") 350L
5kg/ Box, 20kgs / Carton, 720kgs / Pallet

Flux Cored Wires

AWS A5.20 E71T-1C/1M FCAW



1.2, 1.4, 1.6
15kg / Box, 72Box/Pallet



Door & Windows



Door Closer PC0770

Features

- Selectable position power size 2-4.
- Adjustable closing & latching speed.
- Standard arm mechanism.

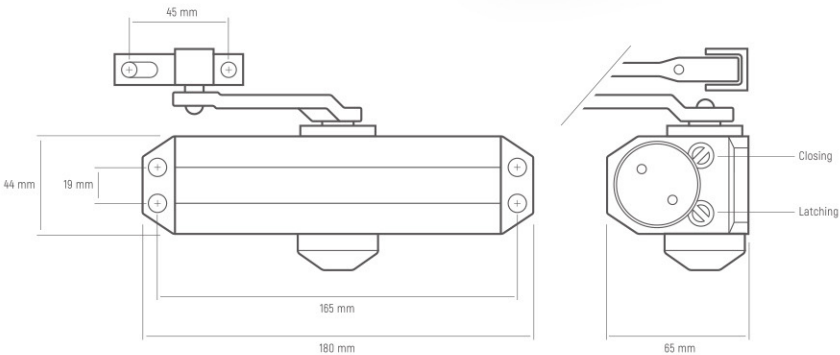
Application

- Non-handed installation.

Finishes

- Painted-Silver, Brown, Black, White, Gray, Red-Brown

Made in Taiwan



Packaging



1 pc / box



10 boxes / carton



15 cartons / pallet

Floor Spring B300

No pre-set on the floor

Made in Taiwan



Glass Door

Power Size

| | ANSI EN3 |
|---------------------------|-------------|
| Max. Door Width (mm) | 1000 |
| Max. Door Weight (kgs) | 100 |
| Available glass thickness | 8-13 |

New Floor Spring B300



Application

Suitable for single & double action door
 Available for light & medium duty door
 Adjustable Closing & Latching Speed
 Two non-critical control valves provide
 dual speed hydraulic closing

Features

Just to drill 4 holes
 Easy to apply
 Shorten the construction time

 15~30mins



Floor Spring B330

No pre-set on the floor

Made in Taiwan



Power Size

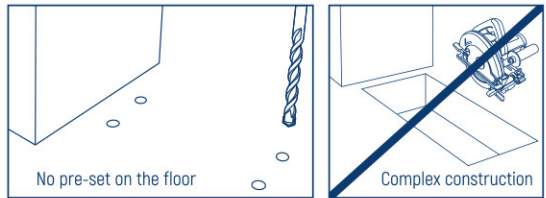
| | ANSI EN3 |
|------------------------------------|-------------|
| Max. Door Width (mm) | 1000 |
| Max. Door Weight (kgs) | 100 |
| Minimum timber door thickness (mm) | 40 |

According to EN1154 testing regulation, the door weight over 60kg may not fully comply with the EN1154 standard.

Application

Suitable for double action door
Available for light & medium duty door

New Floor Spring B330



Features

Just to drill 4 holes
Easy to apply
Shorten the construction time

 15~30mins



PATTA

New Packaging





Certifications

Quality assurance is our promise to every customer

ISO 9001



ISO 9001



ISO 14001



ISO 17025



CE Marking



IATF 16949 China Xinwei Factory



IATF 16949 Taiwan Nanzi Factory



CAT ID : PTA-202408

PATTA International Limited

16F No.110, San Duo 4th Rd, Kaohsiung 80247, Taiwan

T 886 7 3362278 | **F** 886 7 3369577 | **E** info@patta.com

www.patta.com

PATTA®

