



Technical Datasheet

BUILDING & PLASTER ACCESSORIES

2023

BRIDGE EGYPT | BUILDING & PLASTER ACCESSORIES

Technical Datasheet

Standard Wall-Ties (WT-S)

Category: Building Accessories- wall-ties.

Description:

Contribute significantly to the stability, the stiffness and durability of the structure. Typically, wall ties perform three primary functions between concrete elements and masonry or a wythe of brick and its backing or another wythe of masonry:

1) provide a connection, 2) transfer lateral loads, 3) permit in-plane movement to accommodate differential movements and, in some cases, restrain differential movement. In addition to these primary functions, metal ties (as joint reinforcement) may also be required to serve as horizontal structural reinforcement or provide longitudinal continuity. Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).



Code	Thickness	Width	Length (L) mm	Code	Thickness	Width	Length (L) mm
WT-S1A	1 mm	20 : 50 mm	150	WT-S1.5A	1.5 mm	20 : 50 mm	150
WT-S1B			200	WT-S1.5B			200
WT-S1C			250	WT-S1.5C			250
WT-S1D			300	WT-S1.5D			300
WT-S2A	2 mm	20 : 50 mm	150	WT-S2.5A	2.5 mm	20 : 50 mm	150
WT-S2B			200	WT-S2.5B			200
WT-S2C			250	WT-S2.5C			250
WT-S2D			300	WT-S2.5D			300
WT-S3A	3 mm	20 : 50 mm	150	WT-S4A	4 mm	20 : 50 mm	150
WT-S3B			200	WT-S4B			200
WT-S3C			250	WT-S4C			250
WT-S3D			300	WT-S4D			300

* All Dimensions are customizable upon request.

* Samples Are Available.

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Wall-Tie Double Fish-tail (WT-DFT)

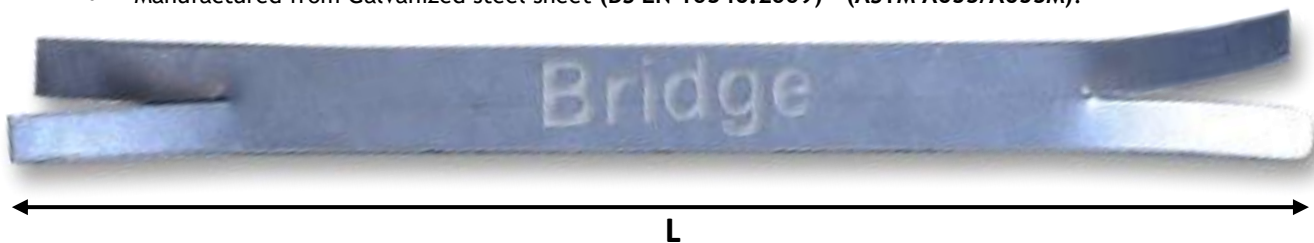
Category: Building Accessories- wall-ties.

Description:

Double Fish tail Wall-tie is a tie installed by overlapping concrete posts so it acts as an anchor with two ends to be tied in masonry or between two masonry walls in a uniform Spacing pattern to help eliminate settlement and different thermal expansion cracks and make the wall act as one structure.

Contribute significantly to the stability, the stiffness and durability of the structure.

- Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).



Code	Thickness	Width	Length (L) mm
WT-DFT2A	2mm	30mm	150
WT-DFT2B			200
WT-DFT2C			250
WT- DFT2.5A	2.5mm	30mm	150
WT- DFT2.5B			200
WT- DFT2.5C			250
WT-DFT3A	3mm	30mm	150
WT-DFT3B			200
WT-DFT3C			250

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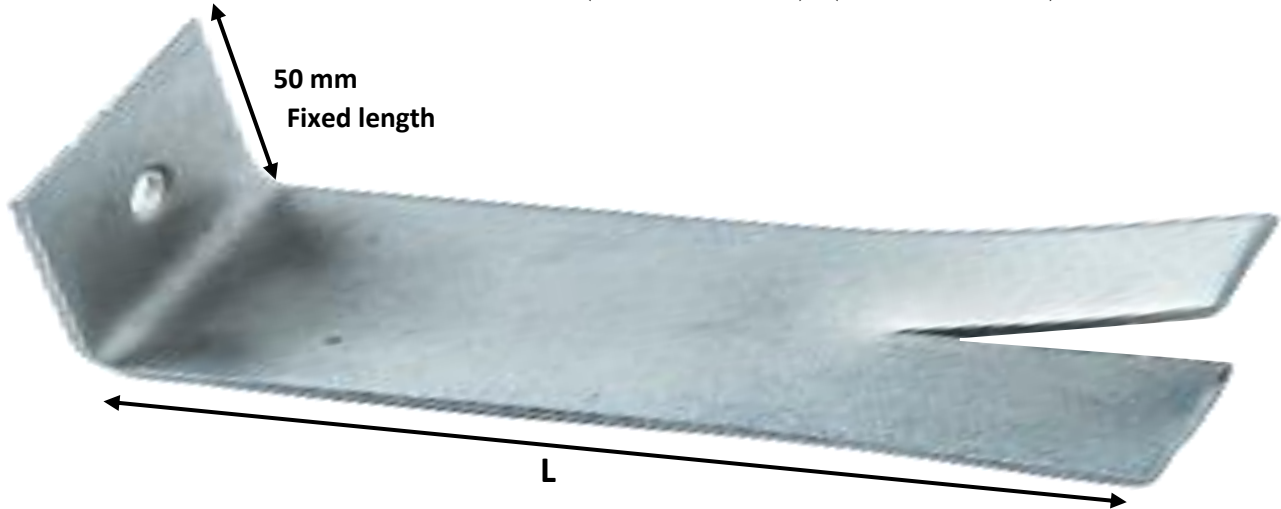
Wall-Tie Fish-tail(WT-FT)

Category: Building Accessories- wall-ties.

Description:

Fish-Tail Wall-tie is a tie installed between rigid element like concrete or steel columns and masonry walls in a uniform Spacing pattern to help eliminate settlement and different thermal expansion cracks. Contribute significantly to the stability, the stiffness and durability of the structure.

- Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).



Code	Thickness	Width	Length (L)
WT-FT2A	2mm	30mm	150
WT-FT2B			200
WT- FT2.5A	2.5mm	30mm	150
WT- FT2.5B			200
WT-FT3A	3mm	30mm	150
WT-FT3B			200

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* Samples Are Available.

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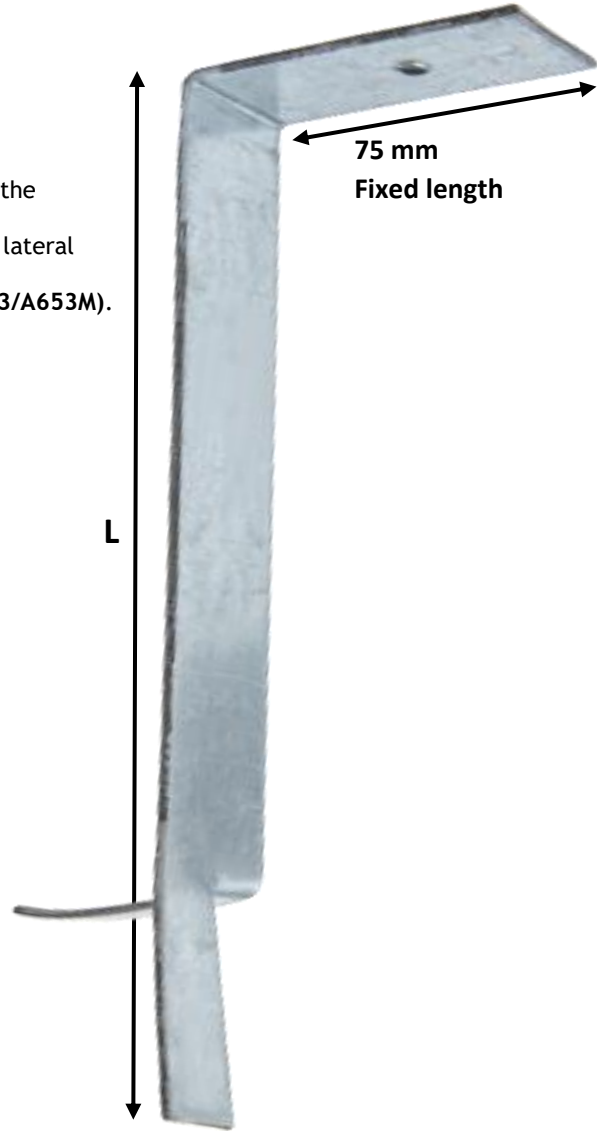
Wall-Tie F shape (WT-F)

Category: Building Accessories- wall-ties (Overhead).

Description:

Overhead F shape ties are designed for restraining the free standing wall with the overhead structure. it's being used for linking the wall with ceiling to reinforce the building against lateral loads.

- Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).



Code	Thickness	Width	Length (L) mm
WT- F2A	2mm	30mm	150
WT- F2B			200
WT- F2C			250
WT- F2D			300
WT-F3A	3mm	30mm	150
WT-F3B			200
WT-F3C			250
WT-F3D			300

* All Dimensions are customizable upon request.

* Samples Are Available.

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Wall-Tie L Shape “Steel Bracket” (WT-L150-3)

Category: Building Accessories- wall-ties (Overhead).

Description:

L-Shaped Steel Brackets are an essential part of the vertical supporting systems and columns when it comes to cladding and fixations of the almost any vertical components. It provides a strong Mechanical fixing solution while allowing the movement of the structure due to its oversized bolt holes.

- Manufactured from Galvanized steel sheet:
(BS EN 10346:2009) - (ASTM A653/A653M).

Recommended Fixation:

[MKT® Anchoring Mechanical Systems](#)



Code	Thickness	Width	Length	
			(L1)	(L2)
WT-L150-3	2mm	30mm	150 mm	150 mm

*All sizes can be customized upon request.

*Samples Are Available.

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Double Triangle Wall-tie (WT-DT)

Category: Building Accessories- wire-tie

Description:

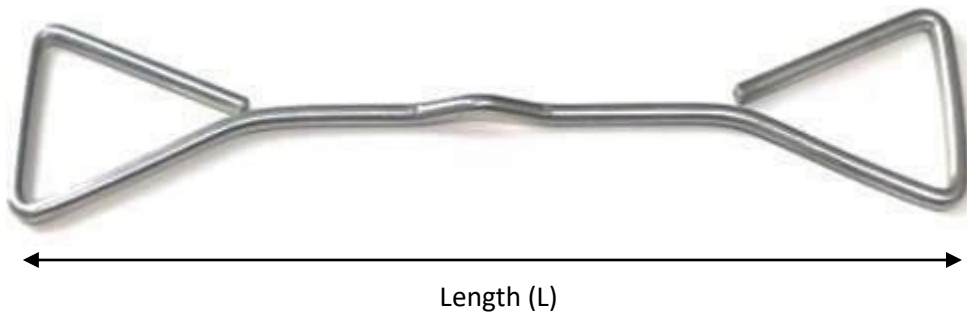
Double Triangle Wall-tie is used in cavity walls to reinforce and hold the two walls together. The laid with the twisted wire ends hanging down into the cavity to act as a drip to prevent moisture from traveling across the cavity. It has a bend in the middle of its length and the strip tie has a twist as a barrier to moisture passing across the tie.

Confirms to

BS EN 1996-1-1 and BS EN 1996-2

EN 845-1:2013+A1:2016

- Available to be Manufactured from Galvanized steel wire with diameter of 4.8 mm.



Code	Length (L)	Material
WT-DT2.5	250mm	Galvanized steel wire

* All Dimensions are customizable upon request.

* Samples Are Available.

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Technical Datasheet

Z-Shaped Wire Wall-tie (WT-Z)

Category: Building Accessories- wire-tie

Description:

Z-Shaped Wire Wall tie used in cavity walls to reinforce and hold the two walls together by being placed horizontally inside the mortar.

The main usage is to act as an anchor and unite different walls to act as one.

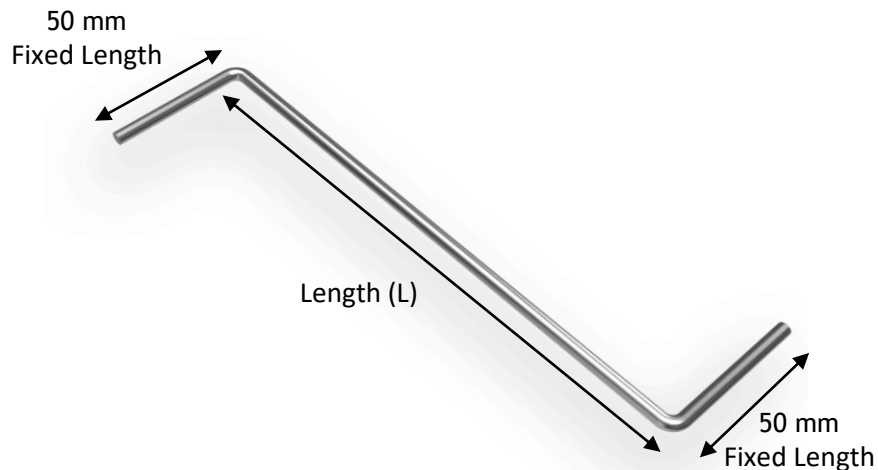
Always used with a width 50 mm less than the width of the wall.

Confirms to

BS EN 1996-1-1 and BS EN 1996-2

EN 845-1:2013+A1:2016

- Manufactured from Galvanized steel wire with diameter of **4.8 mm**.



Code	Length (L)	Material
WT-Z10	100mm	Galvanized steel wire

* Dimensions are customizable upon request.

* Samples Are Available.

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Ladder Wall Tie (LWT)

Category: Building Accessories- Cavity wall support

Description:

Ladder wall tie terrace like wall tie used in cavity walls to reinforce and hold the two walls together by being placed horizontally inside the mortar.

The main usage is to act as an anchor and unite different walls to act as one.

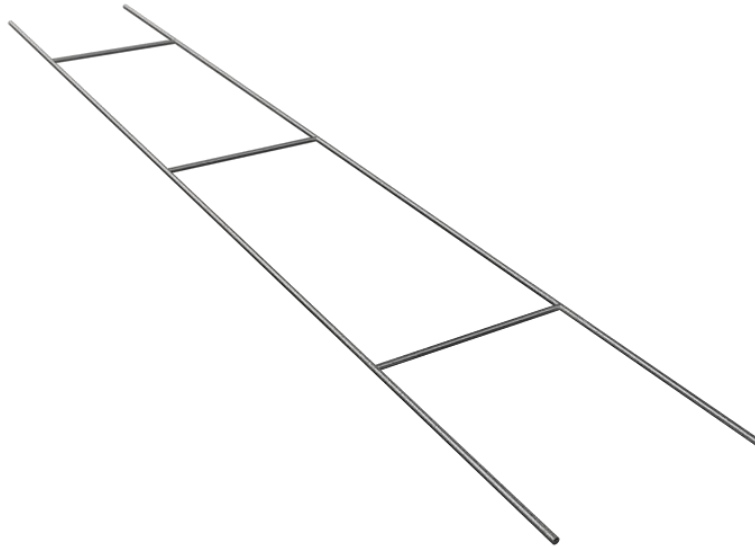
Always used with a width 50 mm less than the width of the wall.

Confirms to

BS EN 1996-1-1 and BS EN 1996-2

EN 845-1:2013+A1:2016

- Available to be Manufactured from Galvanized steel wire with diameter of 4.8 mm.



<i>Code</i>	<i>Length</i>	<i>Width</i>	<i>Material</i>
LWT-10	3 m	10 cm	Galvanized steel wire
LWT-15	3 m	15 cm	Galvanized steel wire
LWT-20	3 m	20 cm	Galvanized steel wire

***Samples Are Available.**

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Truss Wall Tie (TWT)

Category: Building Accessories- Cavity Wall Support

Description:

Truss wall tie terrace like wall tie used in cavity walls to reinforce and hold the two walls together by being placed horizontally inside the mortar.

The main usage is to act as an anchor and unite different walls to act as one.

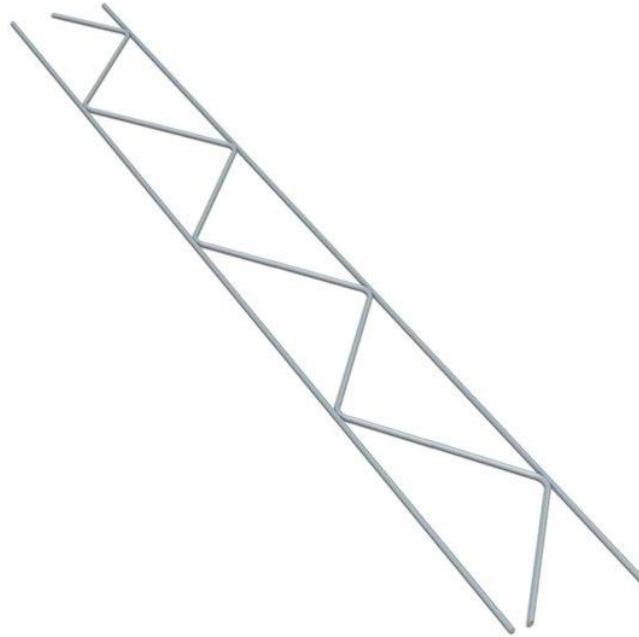
Always used with a width 50 mm less than the width of the wall.

Confirms to

BS EN 1996-1-1 and BS EN 1996-2

EN 845-1:2013+A1:2016

- Available to be Manufactured from Galvanized steel wire with diameter of 4.8 mm.



Code	Length	Width	Material
TWT-10	3 m	10 cm	Galvanized steel wire
TWT-15	3 m	15 cm	Galvanized steel wire
TWT-20	3 m	20 cm	Galvanized steel wire

* Samples Are Available.

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Stone Cladding Clamp (CC)

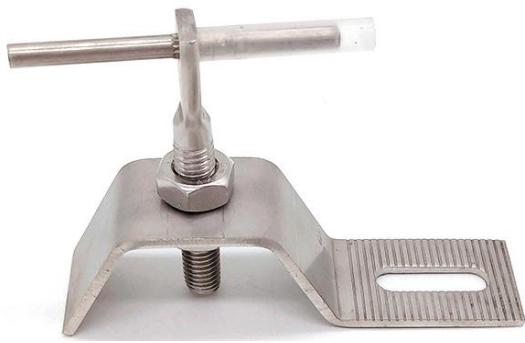
Category: Stone Cladding Systems

Description:

Stone Cladding Clamp is used to mechanical apply and fix wall cladding of granite, marble, travertine, and other tiles. Suitable for concrete walls. Quick and easy installed to restrain against wind pressure and quake-proof: expansion fasteners, Bolt Nut, Anchors, Rivets, etc.

Available in multiple materials:

- Stainless Steel 304, 316.
- Galvanized Steel.
- Hot Dip Galvanized Steel.



CC-01



CC-L



CC-02

Code ¹⁾	Thickness	Width	Length	Hole Size
CC-01	3 mm	40mm	50mmx35mmx50mmx35mm	10 mm × 32 mm
CC-02	3 mm	40mm	20mmx50mmx50mm	10 mm × 32 mm
CC-L	5 mm	40mm	50 mm × 50 mm	10 mm × 32 mm

¹⁾ Kindly note that these dimensions are the most common Produced sections.

*All sizes and Designs can be customized upon request.

*Samples Are Available.

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Expanded Metal (EM)

Category: Building Accessories- Expansion reinforcement

Description:

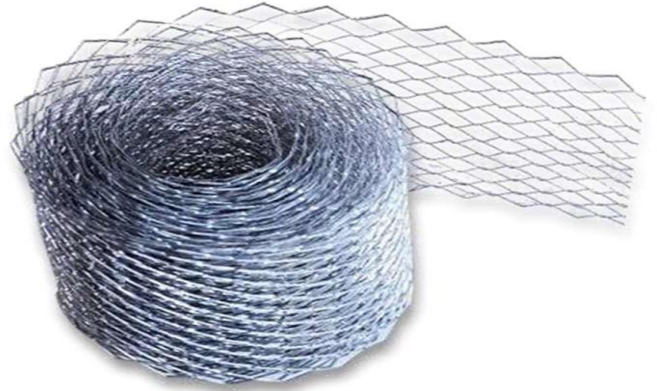
Embedded in the normal thickness of a brickwork joint, expanded metal reinforcement reduces the detrimental effects of vibration and changes of temperature.

The application gives brickwork increased resistance to tensional stresses.

The brickwork reinforcement (coil mesh) assists resistance to tensile stresses where settlement occurs.

The thin expanded metal coils with big diamond openings are easily incorporated into mortar course, coiled for ease of handling.

Manufactured from Galvanized steel sheet: BS EN 10346.



Code	Density	Width	Length
EM-500	0.500 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-600	0.600 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-700	0.700 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-800	0.800 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-900	0.900 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1000	1.000 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1100	1.100 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1200	1.200 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1300	1.300 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1400	1.400 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1500	1.500 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1630	1.630 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1700	1.700 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1850	1.850 Kg/m ²	From 8cm till 100cm	10 M - 20 M
EM-1900	1.900 Kg/m ²	From 8cm till 100cm	10 M - 20 M

* Width of rolls and length can be customized upon request.

* Samples Are Available.

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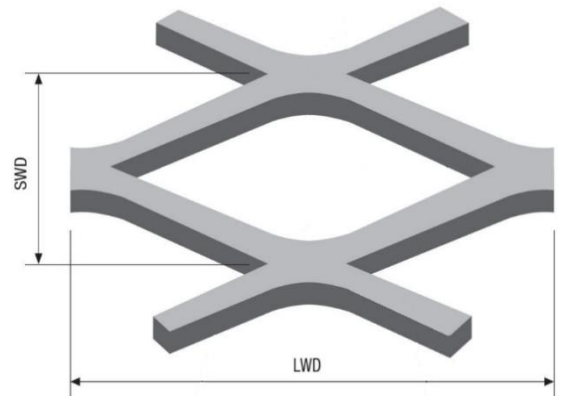
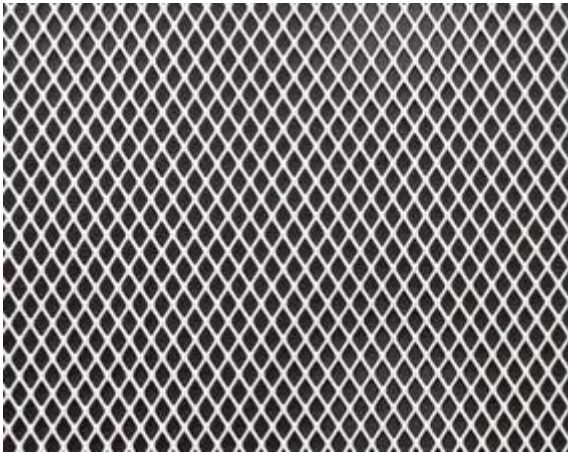
Concrete Reinforcement Metal Mesh (CMM)

Category: Building Accessories- Concrete Reinforcement

Description:

Concrete Reinforcement Metal Mesh is a heavy duty expanded metal produced from carbon steel sheet to achieve best bonding with concrete. Contains no joints or welds, as each sheet is a single piece of sturdy steel acting as shear connection reinforcement and also supplied as an anti-crack reinforcement in the design. It is recommended for usage with concrete plaster and reinforcement work.

- Manufactured from **Carbon Steel**.
- Roll Dimensions: 1 meter width x 10 meter length.
- Available Densities: from (0.600 kg/m²) to (1.800 kg/m²)



Code

Mesh Dimension

Code	Mesh Dimension	
	SWD	LWD
CMM-525	11	25
CMM-615	5	15
CMM-625	11	25
CMM-815	4.8	15

* Samples Are Available.

* Custom Seize openings are available

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Fiber Glass Mesh (FGM-W)

Category: Plaster Accessories - Expansion reinforcement

Description:

Fiberglass mesh is resin coated fiberglass fabric that does not burn and is characterized by both low weight and high strength. These properties allow it to be successfully used in the formation of joints of two materials with different expansion co-efficient and resist the cracking that occurs in such places.

Resistant to alkalis, does not decompose over time, it has a high resistance to tearing and stretching, protects the surface from cracking and improves its mechanical strength due to its flexibility. Easy to handle and use.

Technical Proprieties:

a) Coating and Alkaline Resistance:

Adhesive coating (%): **Acrylic Latex $\geq 18 \pm 3$ %**.

Alkaline Resistance: After 28-days immersion of **5% NaOH solution**.

Average Retention rate for tensile fracture strength: **$\geq 60\%$** .

b) Mechanical Properties:

Tensile Strength: - (50mm Width Tensile Method): **Warp ≥ 1200 N, Weft ≥ 1500 N.**

- (Wide Width Method ASTM D-5035): **Warp ≥ 1050 N, Weft ≥ 1400 N.**

Elongation - (Wide Width Method ASTM D-5035): **Warp $\geq 5\%$, Weft $\geq 8\%$.**

Confirms to: **ETAG 004**



Code	Hole size	Density	Width	Length	Color
FGM-W	0.5cm×0.5cm	125 g/m ² -/+ 5%	20 cm	50 meters -/+ 5%	White

* **Samples Are Available.**

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Fiber Glass Mesh (FGM)

Category: Plaster Accessories - Expansion reinforcement

Description:

Fiberglass mesh is resin coated fiberglass fabric that does not burn and is characterized by both low weight and high strength. These properties allow it to be successfully used in the formation of joints of two materials with different expansion co-efficient and resist the cracking that occurs in such places.

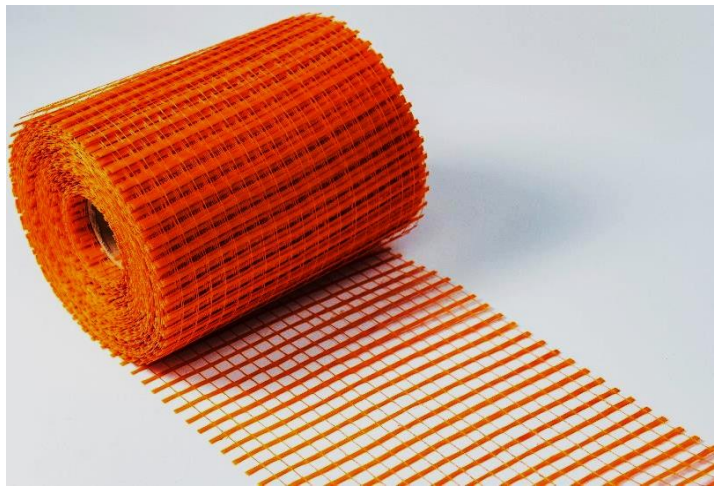
Resistant to alkalis, does not decompose over time, it has a high resistance to tearing and stretching, protects the surface from cracking and improves its mechanical strength due to its flexibility. Easy to handle and use.

Adhesive coating (%): **Acrylic Latex $\geq 18\pm 3$ %**

Alkaline Resistance: After 28-days immersion of **5% NaOH solution**, the avg. retention rate for tensile fracture strength: **$\geq 60\%$**

Tensile Strength FGM-R (N/50mm): **warp ≥ 1000 , weft ≥ 1400**

Confirms to: **ETAG 004**



Code	Hole size	Density	Width	Length	Color
FGM-O	1cm×1cm	90 g/m ² -/+ 5%	20 cm	50 meters -/+ 5%	Orange
FGM-R	1cm×1cm	120 g/m ² -/+ 5%	20 cm	40 meters -/+ 5%	Red

*** Samples Are Available.**

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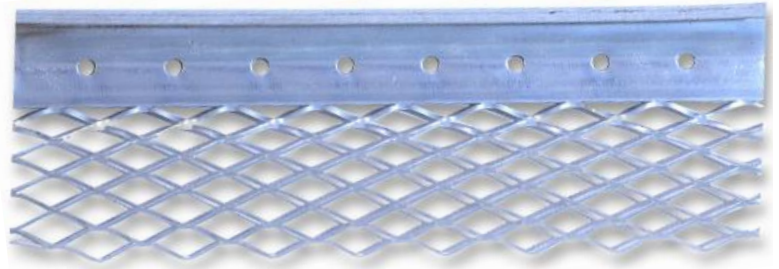
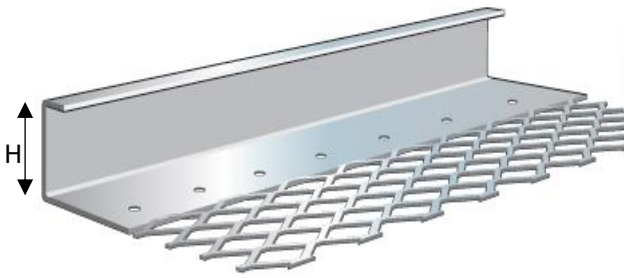
Plaster Stop (PS)

Category: Plaster Accessories

Description:

Plaster Stop is used for many different applications and can also be less expensive than other construction methods. It is designed with a ridge of nail holes to provide easy installation. And Used in all types of buildings and constructions and all cement plastering work, Plaster stop beads improve the structure's quality regarding the wall surfaces' abutments to other dissimilar surfaces. It is also used between wall surfaces and abutment of doors and window frames and places wherever the plaster ends.

- Confirms to: **BS EN 13658-1**
- Manufactured from Galvanized steel sheet (**BS EN 10346:2009**) - (**ASTM A653/A653M**).



Code	Height (H)	Wing Width	Rod Length
PS-10	10mm	50mm	3 Meters
PS-13	13mm	50mm	3 Meters
PS-15	15mm	50mm	3 Meters
PS-19	19mm	50mm	3 Meters

* Samples Are Available.

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Architrave Bead (AB)

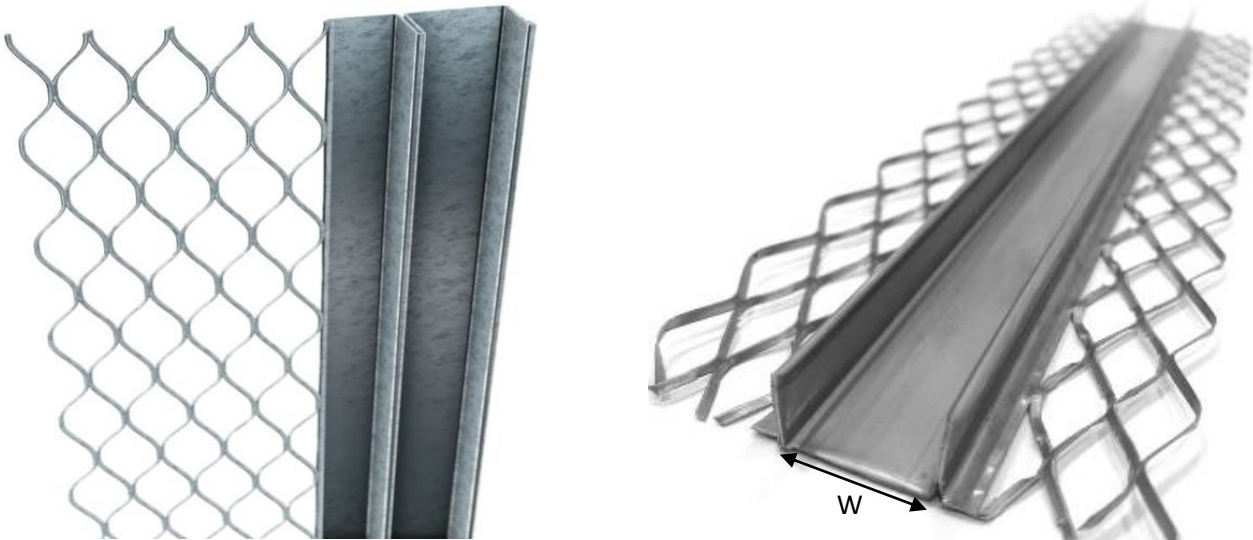
Category: Plaster Accessories

Description:

Architrave Beads act as a plaster stop profile, creating a shadow-like recess. Typical applications include the creation of clean divisions between different wall finishes, at walls and ceiling abutments, door and window reveals and other built in joinery features.

Comes in two shapes

- One wing architrave bead "AB".
- Two wing architrave bead "ABD".
 - Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).



Code	Flange Width (W)	Rod Length
AB-20	20 mm	3 Meters
AB-25	25 mm	3 Meters
ABD-20	20 mm	3 Meters

* Samples Are Available.

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Control Joint (CJ)

Category: Plaster Accessories

Description:

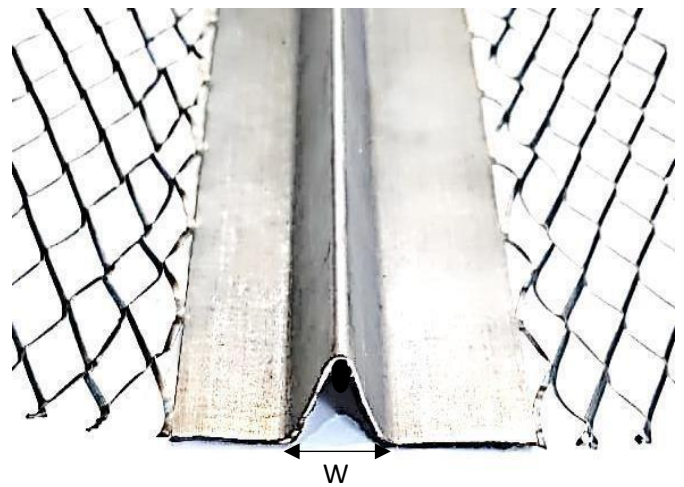
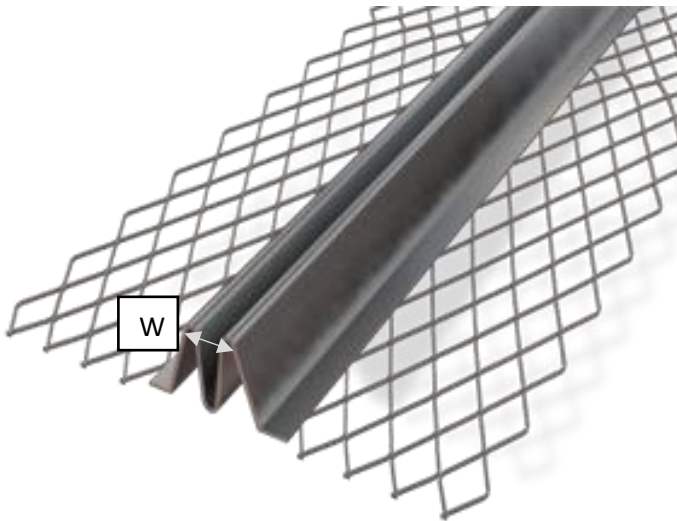
Control Joint is used in concrete masonry to reduce the occurrence of shrinkage-related cracking. A control joint is a continuous vertical joint filled with mortar, but with a bond breaker on one side, tensile stress cannot develop across the joint.

Along the wall's length and near corners, returns, and changes in the wall's height, support, or stiffness.

Can be used as an expansion joint reinforce and control joint reinforce.

Come in two shapes:

- Joint with Single V bend. CJ-V
- Joint with Double V bend. CJ-DV
 - Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).



Code	Type of Bend	Bend Width (W)	Wing Width	Rod Length
CJ-V18.5	Single V	18.5mm	50mm	3 Meters
CJ-DV19	Double V	19mm	50mm	3 Meters

* Samples Are Available.

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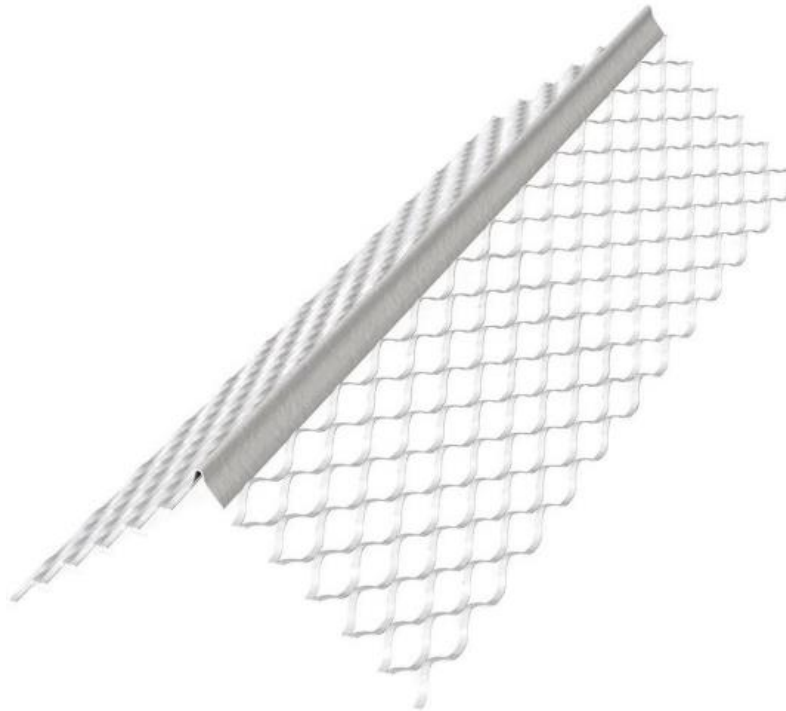
Angle Bead (AD)

Category: Plaster Accessories

Description:

Angle Bead is type of reinforcement designed for internal and exterior plaster use, reinforced with flange wings to provide with its solid metal nose a straight corner. designed to protect the corners from impacts that damage the straight lines and keep a precise straight edges.

- Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).



Code	Flange size	Rod Length
AD-50	50mm×50mm	3 Meters
AD-70	70mm×70mm	3 Meters

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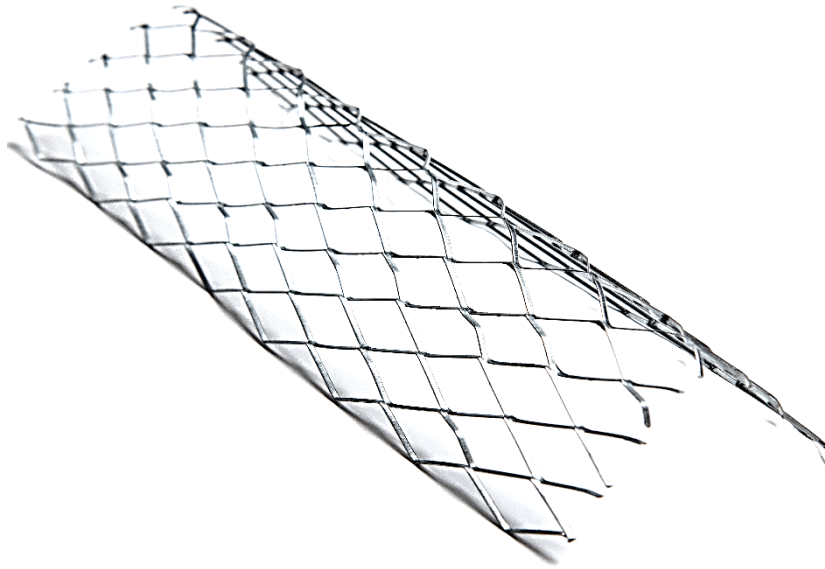
Corner Bead (CM)

Category: Plaster Accessories

Description:

Corner Bead designed to provide strong internal corner reinforcement for conventional plaster applications and perfectly straight sharp inside corners and designed to resist cracking. A solid metal nose provides a straight, rigid ground, and the flanges can be easily flexed over irregular, uneven surfaces. Uses to ensure successful corner alignment and efficient plaster keying.

- Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).



<i>Code</i>	<i>Flange size</i>	<i>Rod Length</i>
CM-50	50mm x 50mm	3 Meters
CM-70	70mm x 70mm	3 Meters

* Samples Are Available.

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Technical Datasheet

Metal Flashing (MF)

Category: Building Accessories - Insulation

Description:

Metal Flashing is a type of metal insulation that is used at the end of isolation panels and directs water away from the roof's critical areas where water can go through and damage concrete. Also, it uses in a flashing or trim capacity for various areas of a home, which may include valleys, chimneys, fascia, end walls, sidewalls, and many others. It is fastened by the screws you make at its end at an angle of 45°, filling the spaces between sheet and wall with a rubber sealant material to prevent leaking water.

Available to be Manufactured from:

- Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).
- Stainless Steel 304
- Aluminum Sheets

Recommended to be fixed using **Zinc Alloy Anchor ZA**



Code ¹⁾	Thickness	Width	Rod Length
MF-01	0.7 mm	25 mm × 50 mm	2 meter
MF-02	0.7 mm	15 mm × 35 mm	2 meter
MF-03	0.7 mm	70 mm × 235 mm × 50 mm	2 meter
MF-04	0.7 mm	20 mm × 25 mm × 85 mm	2 meter

¹⁾ Kindly note that these dimensions are the most common produced sections.

* Dimensions are customizable upon request.

* Samples Are Available.

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Technical Datasheet

Foundation Weep Screed (FWS)

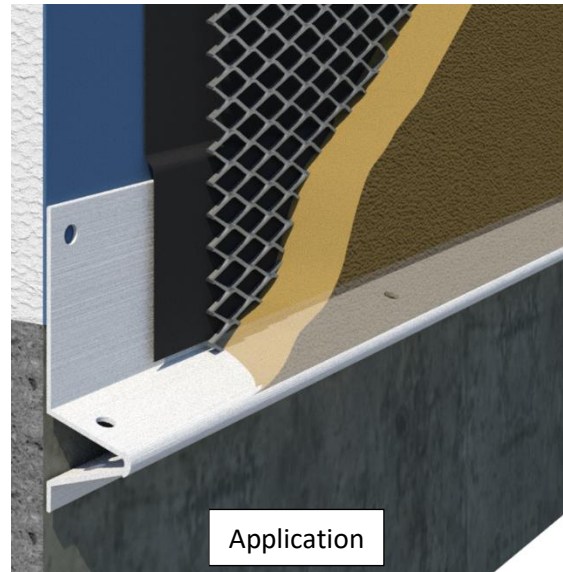
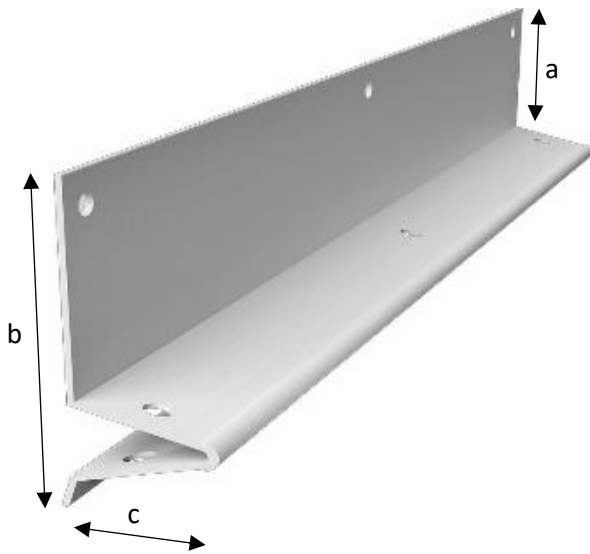
Category: Building Accessories - Insulation

Description:

Foundation Weep Screed Provides a straight and true screed surface at the base of stucco walls, concrete foundations while allowing excess moisture to escape the back of the membrane. It is important for the water-resistant backing paper and metal lath to overlap the nailing flange of the weep screed in order to guide the water to the exterior.

Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).

- Recommended to be fixed using **Zinc Alloy Anchor ZA**



Code	Thickness	Length		
		a	b	c
FWS	1 mm	70 mm	100 mm	20 mm

* Dimensions are customizable upon request.

* Samples Are Available.

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Technical Datasheet

Termination Bar (TB)

Category: Building Accessories - Insulation

Description:

Termination Bar is a multi-purpose, professional way to fix a wide variety of construction waterproofing, drainage boards, insulation systems and metal flashing systems.

Due to the usage of water sealant or PVC strips over the bar it provides a perfect water tight insulation.

Manufactured from Galvanized steel sheet (BS EN 10346:2009) - (ASTM A653/A653M).

Recommended to be fixed using **Zinc Alloy Anchor ZA**



Code	Thickness	Rod Length	Width
TB	0.7 mm	2 meter	40 mm

* Dimensions are customizable upon request.

* Samples Are Available.

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Technical Datasheet

Zinc Alloy Nails in Anchor (ZA)

Category: Fixing Solution

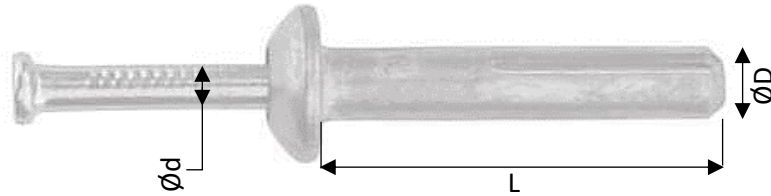
Description:

Zinc Alloy Nails in Anchor for a light-duty mechanical anchor is easy to install, used in Concrete, Block, Brick, and stone.

Recommended to be used in fixation of Metal flashing, Foundation weep screed and Termination Bar systems.

Application:

Pre-drill the hole of the same diameter as the anchor body, position fixture in place, tap the anchor into the pre-drilled hole when flush, hammer the nail into the anchor's body.



Material Chemical Composition %

Al	Mg	Cu	Fe	Pb	Sn	Cd	Zn
4.0	0.03	0.0328	0.0006	0.001	0.0001	0.0007	95.93

Mechanical Prosperities:

Code	Dimensions	Testing item	Spec	Testing results	Material
ZA-01	6×30	DIA-D	5.8-6.0	5.82-5.98	Zinc Alloy
		Length	28.0-30.0	29.2-29.8	
		DIA-d	3.70-3.85	3.72-2.82	

Pull Out Load

3 kN

OK

* Samples Are Available.

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POWER-ACTUATED FASTENING SYSTEMS

Dragon product engineers concentrate on developing products with highly innovative and durable features to support the ever-evolving needs of the professionals that use them.



**Powder-Actuated
Fastening Systems.**



**Gas-Actuated
Fastening Systems.**



Power-Actuated Nails

dragon 

Technical Datasheet

Gas Actuated Concrete Nailer Dragon 007

Dragon 007

The Gas actuated Concrete Nailer is a viral and efficient building fastening systems which include gas tool, fuel cell, and strip fasteners. The gas tool absorbs flammable gas from the fuel cell and mixes it in its air cylinder.

The mixture is ignited by an electric device and produces much high-pressure gas, which pushes the piston to push the strip fastener into the concrete.



Gas Concrete Nailer 007

Dimensions Length x Height x Width	15.9 x 17.3 x 4.3
	403mm x 440mm x 109mm
Weight includes battery and fuel cell	7.48 lbs. (3.4 kg)
	7.9 lbs. (3.6 kg)
Nail Capacity	32 Nails (3 strips)
Cycle Rate	Intermittent: 2-3 nails per second
	Continuous: 1000 nails per hour

Battery Charger

Switching adaptor input power source	Single phase: AC 110-240V ~50/60 Hz
Charging Time	5 min. can shoot 200 nails
	Max. 120 min. (At temperature of 70 F (20 C))
Charging Voltage	Dc 7.4 V
Charging Current	Dc 2.2 A
Weight (not including switching adaptor)	0.24 lbs. (0.11 Kg)

*Samples Are Available.

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Technical Datasheet

- Gas Actuated Nails (D6-25)

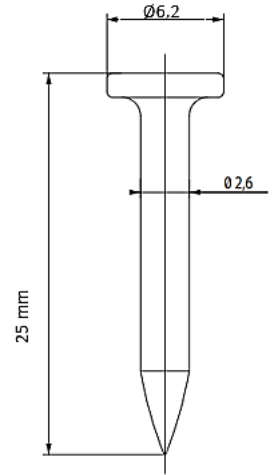
Shank in carbon steel with Orange collated strip.

Electro galvanized, min zinc coating 5 μm .

Hardness: 50 to 55 HRc.

Comes in row of 10 nails per strip.

To be used with **Dragon BE-007 Gas Gun**, only 1 Gas Tube to shoot **1000** Nail.



D6-2.5	Embedded Depth	Characteristic Load		Recommended Load	
		N_{Rk}	V_{Rk}	N_{Rec}	V_{Rec}
Concrete Grade	$H_{nom} = 16 \text{ mm}$	0.91	0.76	0.34	0.25
C20/25 to C30/37	$H_{nom} = 20 \text{ mm}$	1.42	0.76	0.46	0.25

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Technical Datasheet

Powder Actuated Concrete Nailer Dragon 009

Dragon 009

The Powder actuated tool is a type of nail gun used in construction and manufacturing to join materials to hard substrates such as steel and concrete. Known as direct fastening, this technology relies on a controlled explosion created by a small chemical propellant charge, similar to the process that discharges a firearm. This power adjusted tool has advantages of safety, sure and easy operation, convenience in maintenance, widely used in various industries as metallurgy, construction, ornamenting, ship. building, etc.



Powder Actuated Gun Dragon 009 Dimensions

Length	34 cm
Weight	2.5 kg
Pin length capacity	1-5 / 8" – up to 50 mm
Pin type	YD, HYD, PD, HPD, M6A, HM6A, M8, HM8
Power level	Green (3), Yellow (4), Red (5)
Load Type	S1J, S1JT
Handle grip	Durable Polyamide housing
Recommended reinforced concrete compressive strength	from 400 kg/cm ² up to 650 kg/cm ² (compressive strength after 28 days)
Manufacturing origin	China
Recommended powder nails	DN - 27
Pin Length Capacity	Up to 62 mm

*Samples are available.

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Technical Datasheet

Powder Actuated Concrete Nailer Dragon 1100

Dragon 1100

The Powder actuated tool is a Single-shot fastening with automatic piston reset by rubber returner. Deliver productive fastening. Dragon BE-1100 can shoot in fully automatic mode, without continuous change of the nail. It's Easy disassembly for cleaning, convenient maintenance, capable of shooting nails of length up to 50mm, and widely used in various industries like metallurgy, construction, ornamenting, shipbuilding, etc.



Powder Actuated Gun Dragon 1100 Dimensions

Length	42 cm
Weight	2.8 kg
Pin length capacity	1-5 / 8" – up to 50 mm
Pin type	8mm Headed Fasteners, or ¼" – 20 Threaded Studs
Power level	Yellow (4), Red (5)
Booster	6.8/11M(.27 Caliber) 10 – Shot Strip loads
Handle grip	Durable Polyamide housing
Recommended reinforced concrete compressive strength	from 400 kg/cm ² up to 650 kg/cm ² (compressive strength after 28 days)
Manufacturing origin	Taiwan
Recommended powder nails	DN - 27
Pin Length Capacity	Up to 62 mm

*Samples are available.

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Technical Datasheet

Powder Actuated Nails (DN-27)

Description:

Powder Nails come in Box of 100 nails to be used with compatible Powder concrete nail guns:

- Dragon BE-1100
- Dragon BE-009



Steel Grade	Material	Length	Head Diameter	Pin Diameter
60	Zinc Plated	27mm	8mm	3.7mm

Main Chemical Composition (%)

C	Si	Mn	P	S	Cr	Mo	V	Ni	Cu
0.6	0.25	0.57	0.012	0.007	0.202	0.0005	0.0016	0.0096	0.024

Recommended Load*

Base Material	Tension N_{Rec} (kN)	Shear V_{Rec} (kN)
Steel E24 Thickness min. 5mm	2.0	2.0
Concrete C20/25	0.5	0.5

* Recommended loads are calculated with global safety factor and tested in minimum conditions.

- **DO NOT** exceed recommended loads.
- Increasing concrete grade will result an increase in values for both shear and tension forces.

***Samples are available.**

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