

Wadi Maramer Trading (WAMCO)

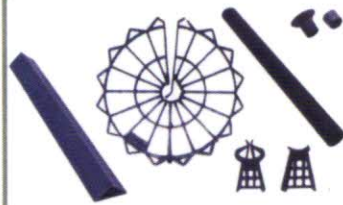
Authorized Distributor of Construction Projects Materials



www.wamco.org

Form-work plastic accessories

- Spacers.
- Chamfers.
- Pipes.
- Cones & plugs.



Water stop

- Rolls of hydro-seal pvc water stop for construction and expansion joints.



Form-work steel accessories (tie sys.)

- Tie rod.
- Wing nut & plates.
- Water barrier.
- Rapid clamp.
- Hy-rib.



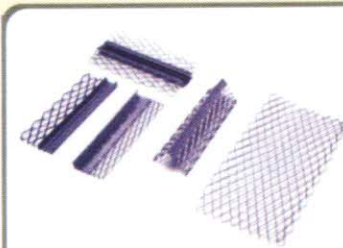
Joint sealants & accessories

- PU sealants for wall joints (permaseal pu 25).
- PU sealants for floor joints (permaseal pu 30 sl).
- Sealant tapes.
- PE backing rod.



Plastering accessories

- Coil lath, corner mesh.
- Control joint, architrave bead.
- Angle bead, plaster-stop.



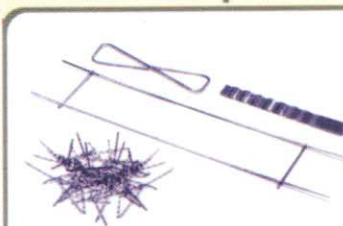
Expansion joint boards

- Bitumen impregnated fiber boards.
- Cork sheet.



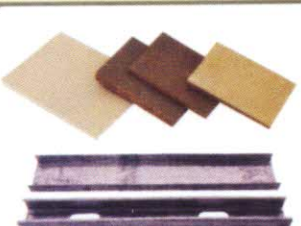
Masonry & concrete re-inforcement

- Block ladder.
- Block ties.
- Steel fibers.



Boards with profile for partition & floors

- Gypsum boards.
- Cement-fiber boards.
- Cement-wood boards.
- Profiles & accessories.



Chrome plated & stainless steel drains

- Floor drains with cover.
- Floor clean out.
- Roof drain.



PRE-CAST MEMBERS ACCESSORIES

- Lifting system.
- Steel chamfer.
- Solid shimpad & prefo-rated shimpad.



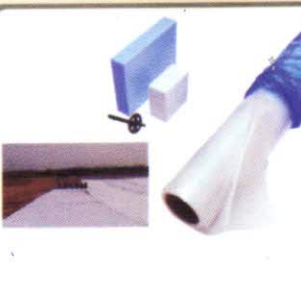
Surface protection materials

- PP boards.
- Products for surface protection.
- Products for corner protection.



Water proofing/insulation & construction chemicals

- Non-woven ps & pp geotextile.
- Polyethylene sheets.
- Bitumen & pvc membrane.
- Polystyrene (expanded & extruded).
- Agents/ adhesives & grouts.





- اكسسوارات بلاستيكية لشدات الخرسانة
- بسكواتات.
- مثلثات (شامفر).
- مواسير.
- مخروط ، سدة.



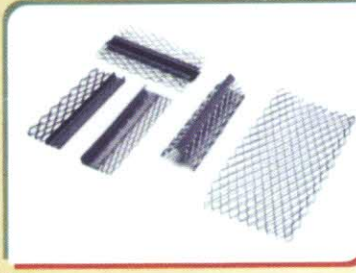
- موانع تسرب المياه
- لفات من البولي في سي تركيب بالفواصل الإنشائية وفواصل التمدد.



- مواد تثبيت شدات الخرسانة
- أسياخ ربط الشدات.
- صواميل ووردات.
- صواميل مانعة التسرب.
- زراقين.
- شبك تثبيت.



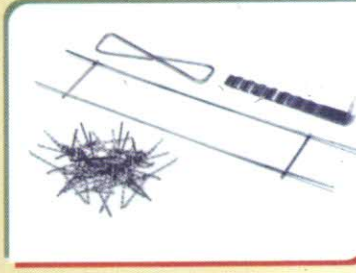
- مواد تعبئة فواصل التمدد
- معاجين من البولي يوريثين للفواصل الأفقية والرأسية للحوائط والأرضيات.
- فوم من البولي ايثيلين.



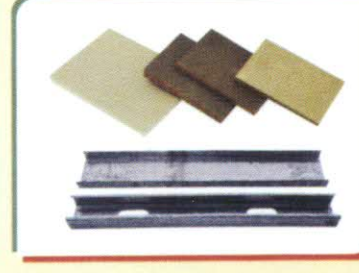
- اكسسوارات اللياسة
- شبك اللياسة.
- زوايا لياسة خارجية وداخلية.
- قطع خاصة (نهايات، فواصل، ..).



- ألواح فواصل التمدد
- ألواح من الفير المشبع بالبيتومين
- ألواح من الفلين الطبيعي.



- اكسسوارات تقوية المباني والخرسانة
- شبك مباني (سلم).
- زوايا وقطع ربط المباني.
- فيبر (نشارة) الحديد للخرسانة.



- ألواح للحوائط والقواطع والأرضيات وانظمة التثبيت
- الألواح الاسمنتية المقواه بالفير.
- الألواح الاسمنتية المقواه بالخشب
- الألواح الجبسية.
- اكسسوارات وقطاعات التثبيت.



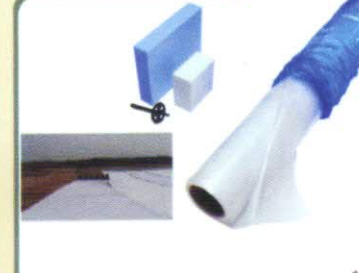
- أغطية الصرف من الكروم والستيل
- فتحات صرف الأرضيات.
- فتحات صرف الأسطح.
- فتحات التسليك.



- اكسسوارات صب وتثبيت الخرسانة مسبقة الصب
- أنظمة الرفع والتعليق.
- مثلثات من الحديد (شامفر).
- قطع وزن التركيب.



- مواد حماية الاسطح
- ألواح من ال PP.
- لفات لحماية الأرضيات.
- قطع لحماية الزوايا.



- عوازل مائية وحرارية وكيمائيات البناء
- ألياف غير منسوجة من البولستر والبولي بروبيلين.
- لفائف النايلون ، الدهانات العازلة
- لفائف العزل المائي (البتومين، البولي في سي).
- عوازل حرارية (بوليسترين، صوف صخري).
- كيمائيات البناء.



BITU – FLEX

BITUMEN IMPREGNATED EXPANSION JOINT FILLER

DESCRIPTION

BITU-FLEX Expansion Joint Filler is made from compressed dry wood fibers impregnated with Bitumen prior to being compressed to ensure wood fibers to be fully waterproof. After compression the board is dry and do not exclude any form of staining.

USES

Suitable for multiple purpose as:

- Industrial Flooring
- Pavements
- Construction Bases
- Protective Board
- Roads
- Airport Runways
- All kind of concrete joints and brickwork
- Protection for waterproof membranes against penetration by backfill materials

PROPERTIES

BITU-FLEX meets the following essential requirements:

- It completely fills a joint under repeated cycles of expansion and construction and with minimum extension.
- It is resistant to the penetration of moisture in a joint and immune from wet rot, dry rot, fungus attack or similar forms of deterioration.

SIZES

BITU-FLEX is available in the following nominal thicknesses:

- 10 mm
- 12 /13 mm
- 18 /19/ 20 mm
- 25 mm

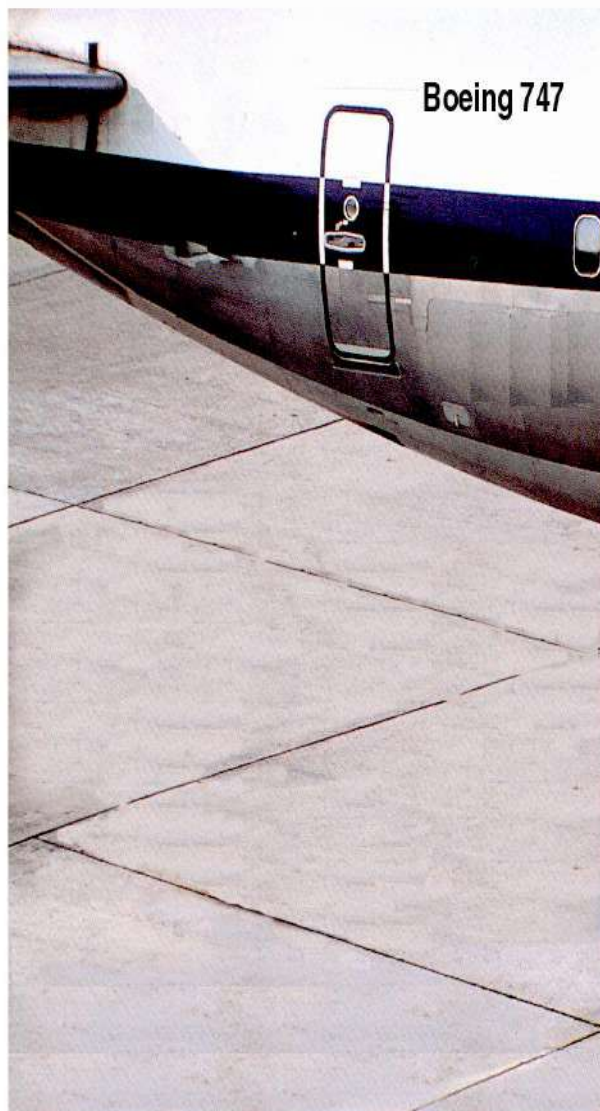
Standard sheet size of BITU-FLEX is:

- 1220 x 2200 mm

SPECIFICATION COMPLIANCE

BITU-FLEX conforms to the functional requirement of ASTM D-1751-83

Bitumen content – 10 %

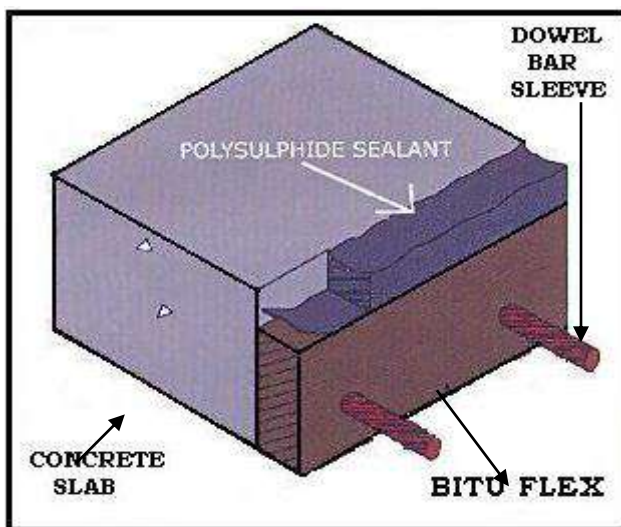


TECHNICAL SPECIFICATION

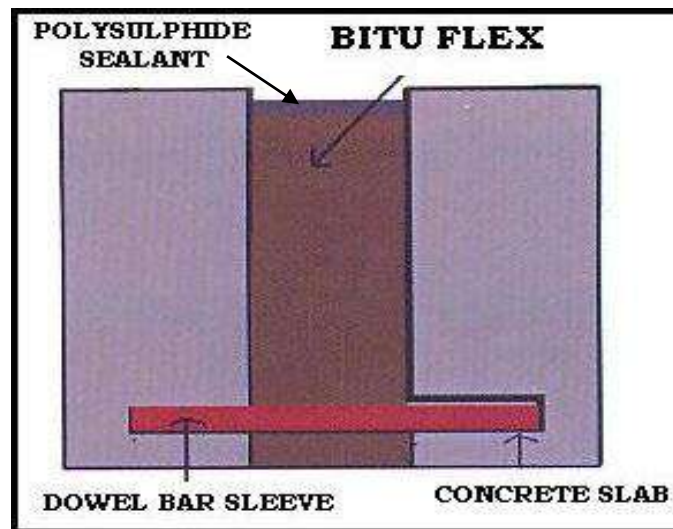
PROPERTIES	SPECIFICATION	RESULTS	TEST REPORT
Product Construction (ASTM D-1751-83 Part 4)	Cellular Fiber Asphalt	Conforms	
Resistant to handling (ASTM D-1751-83 Part 4)	Must not deform or break under normal handling	Conforms	
Load required to compress the test piece to 50% of normal thickness (ASTM D-545-84 Part 7)	689 <- p <- 5171 kPA	Conforms	3450-4365 kPA
Weight loss during 50% compression (ASTM D-1751-83 Part 4)	<-3%	Conforms	No weight loss
Recovery within 10 min. (ASTM D-545-84 Part 7)	/ 70%	Conforms	79.4 – 81.0%
Extrusion at 50% compression (ASTM D-545-84 Part 7)	<- 6.4mm	Conforms	none
Density Air Dry Filler (ASTM D-545-84 Part 7)	/ 300 kg / m ³	Conforms	357 – 394 kg / m ³
Water Absorption, 24 h (ASTM D-545-84 Part 7)	<-15%	Conforms	6.7 – 8.6%

INSTALLATION INSTRUCTION

BITU-FLEX requires no special instructions or caution. Simply cut joint sections to the exact cross section of the concrete in which it is to be installed. Secure BITU-FLEX in position and alignment while concrete is being poured. The panel should be carried and placed on edges to minimize the possibility of breaking, particularly when used in long strips. In sidewalk, curb and gutter and general concrete slab construction, expansion joint should placed so that the exposed edge of the joint will be flush with the surface of the slab. The concrete should then be neatly finished off where it contacts the joint filler. No concrete should extend over or onto the joint filler.



3-D DIAGREM



2-D DIAGREM (SIDE VIEW)

Distributed By



WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in India



CEMENT FIBER BOARD

DESCRIPTION

WAMCO cement fiber board is easy to handle and install, reducing installation time and increasing cost-savings. Cement board is ideally suitable for lightweight construction, is cost effective and requires less energy in assembly and construction than all other wall materials except timber. Positioned as “the better alternative” to its major competitors, Cement Board offers the best substitutes to conventional materials such as gypsum, wood and vinyl in terms of performance, durability and sound insulation properties.

Cement board is a multipurpose board with superior performance, dimensional stability and durability. Also known as Calcium Silicate Board, Cement Board is suitable for ceiling and eaves lining, partitions, gable ends, external wall claddings, panelings and other building applications.



DATA SHEET

Product Features

- The excellent properties of impact strength and water/moisture resistance compare with other flat sheet
- WAMCO cement fiber board is perfect choice for application such as wall cladding, wall partitioning and walling in residential, commercial and industrial building
- Especially where speedy construction is required and where cleanliness and hygiene is of high importance, such as school and hospital.
- WAMCO Cement Fiber Board is also suitable for calibrating and coating with laminate, genuine veneer, glass or any other superior finishing.
- The boards are made with high quality fiber and mineral substances as main raw materials, supported with advanced technological process and through high temperature, high pressure maintenance and special treatment.

Installation steps - Cement Fiber Board At Internal Walls

General Wall Installation :

WAMCO Cement Fiber Board For butt joint, recommend thickness 9-12, For flush joint, recommend thickness 9mm for interior seamless wall Frame Type : Galvanized steel frame U75 and U74; thickness 0.55MM up Frame Spacing Vertical frame @60cm Horizontal frame @120cm Fastener Spacing 30 cm

Tile Wall Installation :

WAMCO Cement Fiber Board Recommend thickness 10-12, Frame Type : Galvanized steel frame U75 and U74; thickness 0.55MM up Frame Spacing: 60 x 60 cm Fastener Spacing 20 cm

Brick Wall Installation :

WAMCO Cement Fiber Board Recommend thickness 9-12, for interior seamless wall Frame Type: Galvanized steel frame (C-Line).24 thickness 0.55MM up Frame Spacing: 60 cm Vertical fixed to metal bracket.



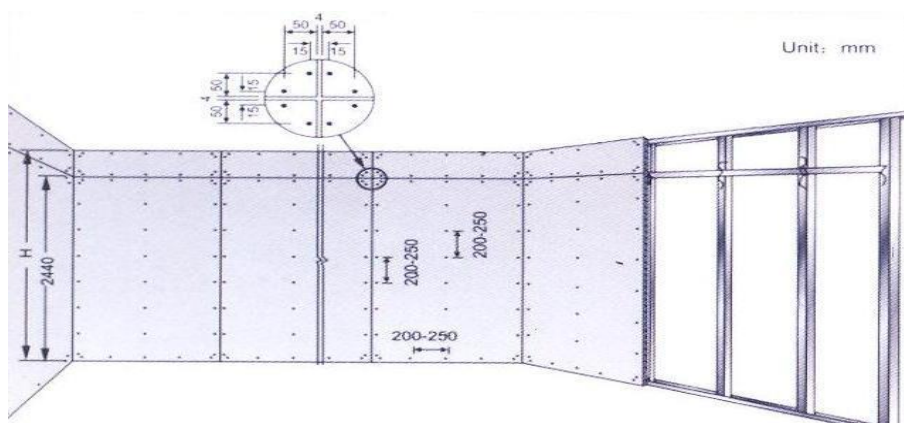
WALL CLADDING
18mm cement fiber board
Use in wall cladding



FALSE CEILING
6mm cement fiber board
Use in false cladding



FLOOR MAZE
18mm cement fiber board
Use in floor maze



DATA SHEET

Board Fixing :

- Firstly cut the board into the dimensions what needed.
- Board is fixed on keel in anchoring seam way topping screw: the interval of tapping screw is generally about 200-250mm with screws sinking 0.5 under the boards face.
- The expansion seam of about 4mm between boards should be kept.
- The shrouding should be fixed from the middle to the four sides and cannot be operated at multi-point simultaneously to avoid generating inners stress to make board material bucking. Before board being fixed, depending the need, glass cotton or rock cotton can.

Storage & Handling :

- Stack board on a pallet covert with a tarpaulin or other waterproof sheeting
Store under shade, dry and
- Leveling area on 5 timber bases with minimum width 1.5" x 3" Height of stack should not exceed 100 sheets.
- Do not install and paint the sheets when they are damp or wet
- Carry the boards as shown below in order to avoid damage / breakage or injury



Key Properties :

- Termite & Insect proof
- Moisture Resistance
- Impact resistance
- Eco friendly
- Asbestos free
- Fire resistance

DATA SHEET

Technical Data sheet:

Physical Properties	Result
Thickness	9mm, 10mm, 12mm, 18mm
Board Size	6'x4' and 8'x4'
Flexural Strength A. Flextural Strength (Along the Fibre) B. Flexlural Strength (Across the Fibre)	>10 N/mm ² >7.5 N/mm ²
Modulus of Elasticity A. Modulus of Elasticity (Along the Fibre) B. Modulus of Elasticity (Across the Fibre) C. Adhesion/Lamina (Bond) Strength, Coverage	8400-8800N/mm ² 8300-8600 N/mm ² 14-15.5 N/mm ²
Screw Withdrawal Strength A. Perpendicular to the Surface (Dry Condition) B. Parallel to the Surface (Dry Condition) Compressive Strength. Average Dry Density Dimension (L*W*T) MM	1243.2 N 791.2N 2.6 N/mm ² 1200-1350 kg/m ³ 2440* 1220* 12 MM
MOISTURE RESISTANT PROPERTIES Moisture Content (of EMC)* Impact Strength Thermal Conductivity Moisture Movement e. length b. width Water Absorption, average Water Tightness	6-8% 15600 N.mm 0.14 w/m ² k 6%-8% 0.02% 0.02% 31.30% No water droplets of the underside of sample



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in
INDIA



COIR YARN / COIR ROPES

DESCRIPTION

Coir rope is the thickest and most resistant of all commercial natural fibres, coir is a coarse, short fibre extracted from the outer shell of coconuts.

Product Features

- Great for brushing dirt as walked across.
- 100% biodegradable
- Comparatively Economical
- High Strength
- Support establishing vegetation better than synthetic yarns

Properties:

Product	Coir Yarn
Thickness	8 mm
Color	Brown
Method of Twist	Normal Twist
Twisting Type	Not Hard
Packaging Method	16 kg / Bundle Total 16 pcs in one Bundle 1 Pcs = 1 Kg
Made By	Natural Coconut Husk Fiber
Loadability	12 Tons in a 40HC Container



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

**Made in
INDIA**



BACKING ROD POLYETHYLENE FOAM

DESCRIPTION

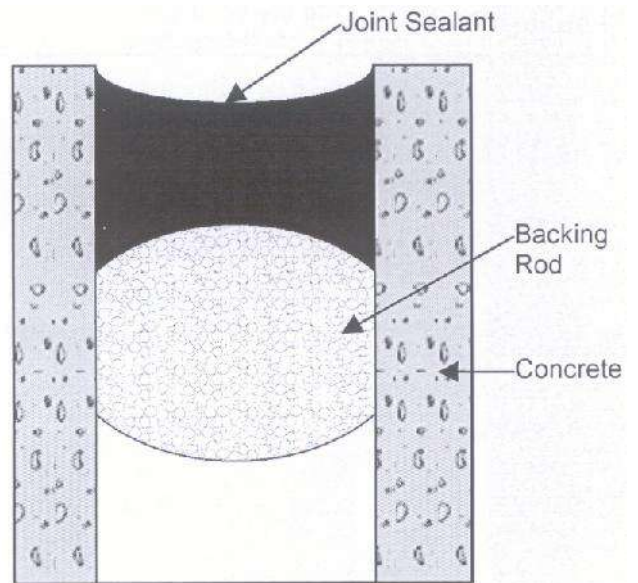
A BACKING ROD is extruded closed cell polyethylene foam which is highly flexible and compressible.

USES:

- Used as a backup material for cold applied sealants.
- Used to achieve correct depth of the sealant
- Acts as a bond breaker, avoiding adhesion of sealant to the bottom of the joint.

ADVANTAGES:

- Closed cell
- Easy to apply
- No bond to most sealants
- Suitable for cold applied sealants i.e. polyurethane, silicone, polysulphide etc.
- Highly flexible and compressible
- Water resistance
- Wide range of temperature resistance
- Odourless



DIMENSIONS:

BACKING ROD is available in the following sizes:

Product Ref.	Diameter (mm)	Packing (LM)
WBR – 05	05	800
WBR – 10	10	800
WBR – 15	15	360
WBR – 20	20	200
WBR – 25	25	100
WBR – 30	30	100
WBR – 40	40	100
WBR – 50	50	75

APPLICATION:

- The BACKING ROD is lightweight and easy to handle. Can easily be cut by sharp knife. Care should be taken no to puncture the surface skin of BACKING ROD during installation.
- Diameter of BACKING ROD should be approximately 25% larger than the joint width.



Technical Data :

Properties	Value	Test Method
Density	1.7 Lbs/ Ft ³	ASTM D -1622
Tensile	25 Lbs / Sq. Inch	ASTM D - 1623
Moisture Absorption	.024%	ASTM C 509
Temperature Service Range	- 40 ⁰ C to + 90 ⁰ C	
Elongation	90 %	ASTM D 3574
Air Flow	90 %	ASTM D 3574
Auto Ignition	700 - 800° F	
Toxicity	Non - Toxic	



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in
Saudi Arabia



Permaseal PU 25

Polyurethane Sealant

PRODUCT DESCRIPTION

Permaseal PU 25 is one-component, moisture curable polyurethane sealant. Good sealing and flexible performance. No corrosion and pollution to base materials and environment-friendly. Pricking resistance, easy for repairing. Good bonding with cement and stone. **Permaseal PU 25** has excellent adhesion to many substrates without primer including concrete and masonry.

Product Features

One-component, excellent extrusion, no sag, easy construction.
Low modulus, high movement-resistance.

Areas of application

Suitable for sealing joint of underground tunnel, bridge tunnel, drains, sewages pipes, epoxy floor, concrete internal walls. Suitable for sealing of various holes in walls and floor slab.

Direction for use

- Remove dust, oil and water from the surface of substrates.
- Tack free time and curing speed of sealant influenced by environment temperature and humidity. Construction environment temperature 5~35°C, humidity 50~70%RH.
- For Construction method, please refer to construction description or consult technical personnel.

Packing specification

- Sausage 600ml

ADVANTAGES

- * Single component, requires no mixing
- * Permanently flexible
- * Non-staining
- * Fast curing
- * Excellent Adhesion to many substrates without primer
- * Excellent UV Resistant
- * Weather Resistant
- * Easy to gun and tool
- * Paintable
- * Wide range of application and service temperatures
- * Environmentally safe
- * Long-lasting water tight joints
- * Exterior and Interior

Cautions

- Keep away from children.
- Avoid contacting with skin and eye. For skin contacted, remove the sealant by cloth, wash skin thoroughly with soap and water. For eye contacted, hold eyelids apart and flush thoroughly with water, contact physician.

Data sheet

Items	Properties
Appearance	Off white, grey and beige homogenous paste
Sagging properties mm GB/T 13477.6	0
Tack free time ^② h GB/T 13477.5	2, approx.
Volatile content % GB/T 13477.19	3, approx
Tensile strength MPa GB/T 528	1.0, approx.
Elongation at break % GB/T 528	700, approx.
Tensile modulus (60%) MPa GB/T 13477.8	23°C - 0.3, approx. -20°C - 0.5, approx.
Tensile properties at maintained extension GB/T 13477.10	No failure
Adhesion/cohesion properties at maintained extension after water immersion GB/T 13477.11	No failure
Adhesion/cohesion properties at variable temperature GB/T 13477.13	90, approx.
Application temperature °C	-40~90

① All data above were tested under standardized condition at 23±2°C、50±5%RH.

② Value of tack free time would be affected by change of environmental temperature and humidity

Transport and storage

- Transport: Keep away the sealed product from moisture, the sun, high temperature and avoid collisions.
- Storage: Keep sealed into cool, dry place.
- Storage temperature: 5~25°C. Humidity: ≤50%RH.
- Shelf life: 15 months.



WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189



SEALANT APPLICATORS FOR PROFESSIONAL USERS

TRENT PNEUMATIC APPLICATOR

DESCRIPTION

A superior sophisticated range of pneumatic sealant applicator.

The pressure regulator is fitted conveniently at the base of the butt and provides accurate, consistent zero to maximum pressure control within a half-turn of the regulator knob.

A silencer, fitted to the quick release exhaust valve, ensure quiet operation, giving a continuous A-weighted sound pressure level substantially less than 70dB and well within legal requirement.

The air-hose connector swivels to enable maximum freedom of movement for the operator.

The strong, lightweight engineering plastic trigger handle is contoured for comfortable shift-long operation, while all guns are ergonomically designed to be well balanced during use, causing minimal fatigue.

The floating plunger assembly uses a tethered piston and sachet plunger to compress the sachet and dispense the sealant. Other plunger options are available for specialized applications.

In addition to the three standard barrel lengths (310 ml, 400 ml and 600 ml) the TRENT is available in any customer-specified barrel length up to 46cm.

Supplied as standard with Mark 1 nozzle holder for screw-in nozzle (3/4" BSP). Plain front cap is also available for flanged nozzles.

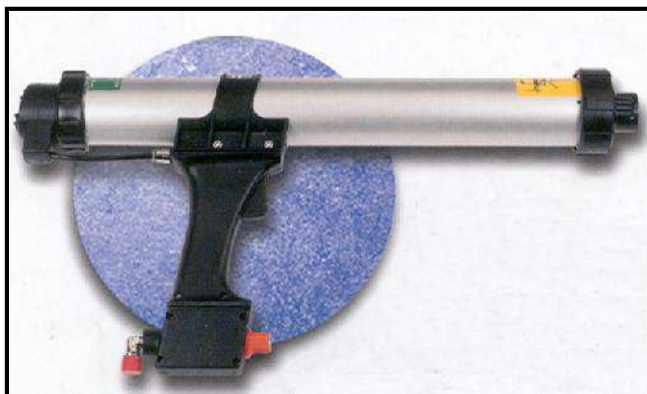
ADVANTAGES:

- Fast, accurate effortless application of all types of sealant in cartridges and sachet packs.
- Big productivity gains over manual applicators; big cost saving
- Smooth consistent sealant flow for quality workmanship.
- Air supply to suit most standard systems.

TECHNICAL FEATURES:

- Quiet operation (less than 70dB)
- Fast, easy pressure regulation for accurate flow control.
- High volume trigger valve for immediate sealant flow.
- Minimum 'flow-on' from quick exhaust valve
- Ergonomic design: comfort, minimal operator fatigue.

Applicator:



Application:



Nozzles:



Easily detached sachet plunger (4) and precision manufactured barrel ensures effective sachet dispensing without 'pinching'.

Threaded nozzle holder (3) with Viton rubber 'O'-ring provides clean, leak-free operation with a range of replaceable nozzles of different sizes.

Retaining cap (2).

A range of press-in cone nozzles (1) is available as an alternative to threaded nozzles. These do not require the nozzle holder (3).

Optional dome attachment for use with cone nozzle ensures complete emptying of sachets.

AVON VERSATILE MULTI-PURPOSE MANUAL SEALANT APPLICATOR

Manufactured by world-leading manufacturer, Cox Ltd., the tough, rugged AVON manual sealant applicator gun is engineered and built to meet the most rigorous daily needs of the professional. Its strength, efficiency and above all its versatility have made the AVON one of the most popular and widely used applicator guns on the market.

ADVANTAGES:

- Unmatched versatility: cartridge, sachet or bulk.
- Power for smooth flow high viscosity materials.
- Long working life: far out-lives its imitators
- Patented no-loss trigger action for fast, efficient sealant dispensing.
- Day-long comfortable use.
- Maximum use of sealant: minimum waste
- Fast, easy loading.

TECHNICAL FEATURES:

- **Lightweight barrel:**
Reduced operator fatigue, lightweight barrels reduce weight, minimize operator fatigue
- **Precision manufacture:**
Efficient material use, precision – formed barrels and specially designed plungers provide a clean sweep of bulk applied sealants. Domed plunger ensures maximum usage of sachet packs, with minimum waste.
- **High thrust 12:1 trigger action:**
Easy dispensing and reduced fatigue
- **Patented Wear compensating for 100% life-long trigger action:**
Patented mechanism eliminates the effect of wear on trigger action, maintains life-long efficiency.
- **Patented sintered steel catch plate:**
High quality materials and precision manufacture minimize wear, ensure life-long trouble free performance.
- **High quality surface coating and materials corrosion resistance:**
Tough epoxy coating and anodized finish to aluminum components plus zinc-plated steel ensure excellent corrosion resistance.
- **Contoured handle and trigger grips:**
Comfortable operation, ergonomic design gives daylong comfort and ease of use.
- **Case hardened rod, release plate and fulcrums:**
Long working life, sliding contact components are case hardened for minimum wear and life-long performance.
- **Easy grip, quick action end caps:**
Easy to grip, ridged end caps with fast, two start threads nozzle changes and refilling.



Easily detached sachet plunger (4) and precision manufactured barrel ensures effective sachet dispensing without 'pinching'.

Threaded nozzle holder (3) with Viton rubber 'O'-ring provides clean, leak-free operation with a range of replaceable nozzles of different sizes. Retaining cap (2).

A range of press-in cone nozzles (1) is available as an alternative to threaded nozzles. These do not require the nozzle holder (3).

WARNING: All plastics and rubber parts used in applicator guns are resistant to cleaning with the most commonly used solvents but should not be left totally immersed in the solvents for long periods.

Distributed by

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189



Made in France



RAPID CLAMP

THE CLAMP THAT CAN'T WORK LOOSE

DESCRIPTION

RAPID CLAMP is manufactured from steel and used clamping concrete – casting formwork.

USES

Today the RAPID CLAMP is used on a vast scale by all building companies since it offers the most rational and most secure means of locking and retaining formwork when casting concrete. The clamp can give around 40% time-saving and can be removed remarkably quickly.

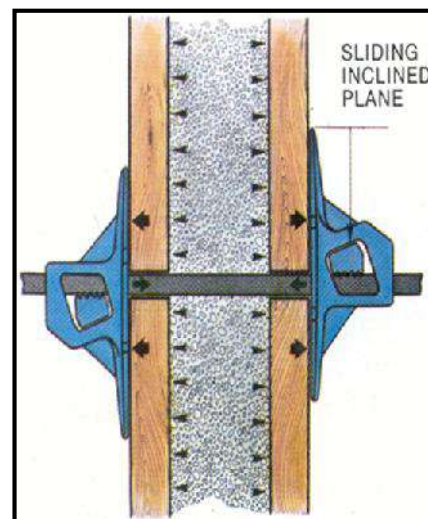
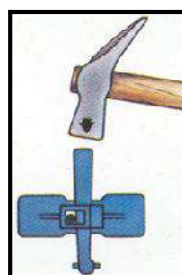
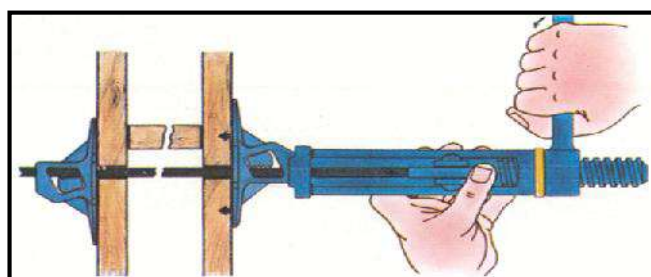
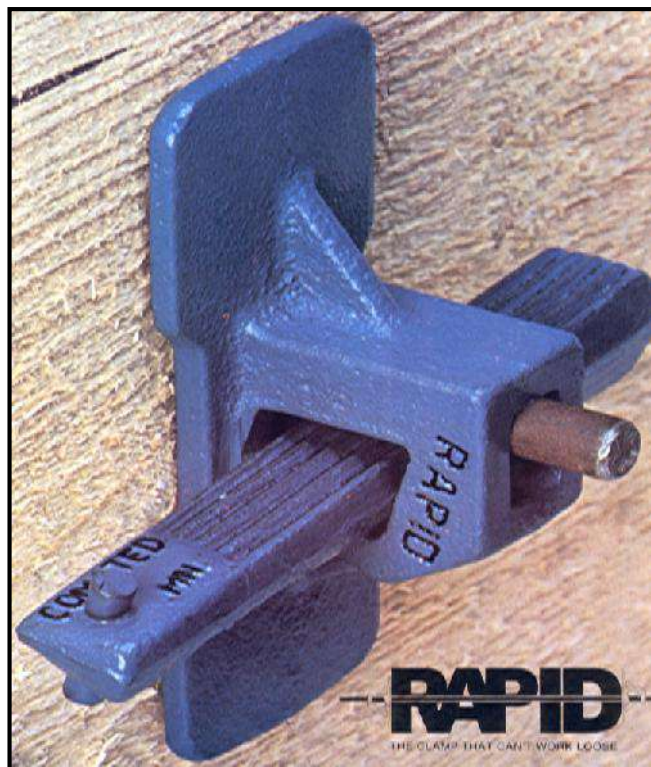
- **STANDARD MODEL**
FOR REBARS FROM Ø 4 UP TO Ø 10mm
- **MAYOR MODEL**
FOR REBARS FROM Ø 7 UP TO Ø 12mm
- **RAPID TENSIONER**
FOR REBARS FROM Ø UP TO Ø 12mm

INSTALLATION

RAPID CLAMPS are very simple to use. After setting up the wooden or steel formwork for concrete casting, iron rods are passed through the walls of the formwork at intervals. Wooden spacers are positioned near each of these rods (these are removed as the concrete reaches them). A RAPID CLAMP is attached to one end of the rod and fixed with a light hammer blow on the head of the wedge. A second RAPID CLAMP is applied to the other end of the rod and locked in position like the first, after the rod has been tensioned using the appropriate RAPID TENSIONER. When the operation is completed, the tensioner is removed and the process is continued with the next pair of clamps.

LOCKING

Because of the pressure exerted by the concrete casting inside the formwork, the rod tends to slip in the clamps locking each end. This is when the locking effect takes place. The rod is gripped firmly by the wedge with longitudinal ridges made of very hard tempered steel; these bite into the steel rod and prevent it from slipping. Locking is automatic and tightens progressively as the pressure increases. In fact the wedge is forced to slide on an inclined plane, gripping it tighter as the rod increases its pull. Using RAPID CLAMPS avoids any danger of the formwork giving way and perfectly rectilinear castings are obtained time.

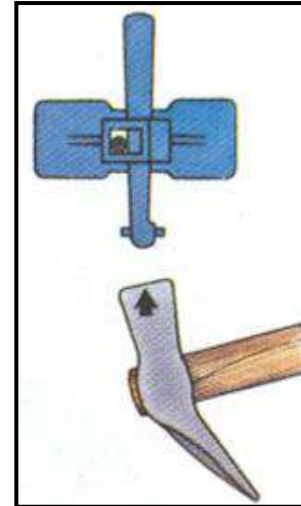


DISMANTLING:

Dismantling of the formwork is quicker than ever. Simply tap the bottom of the clamp wedge with a hammer. The RAPID CLAMP is immediately released and is ready for use over and over again.

The protruding steel rods may be cut off if the casting is to be plastered. If the casting is to be visible, the rods should be extracted and in this case they must be inserted into a rigid plastic sheath before casting begins. It is possible to extract the rods from the casting even without a plastic sheath. In this case they should be extracted within 24 hours by means of the RAPID TENSIONER. The rods must of course be absolutely straight. The holes in the casting may be filled with mortar.

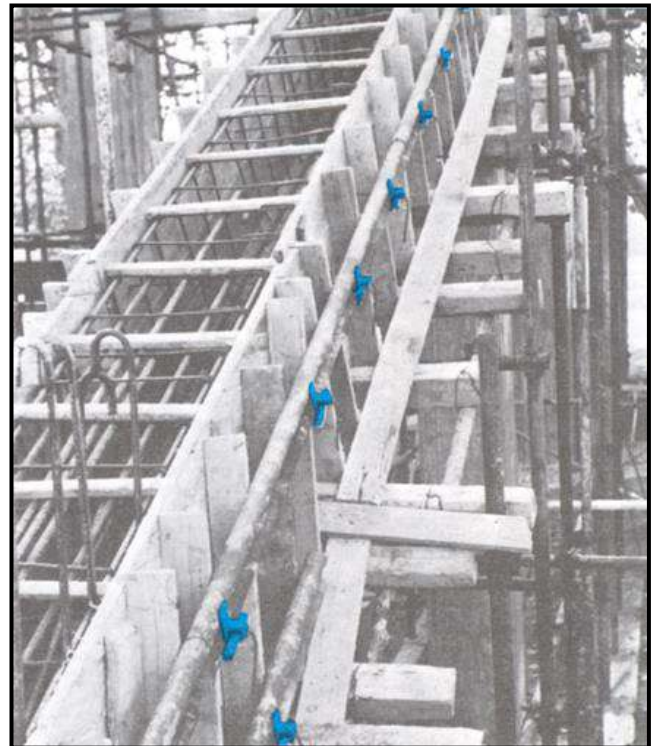
When tested for breaking strength, RAPID CLAMPS remained intact even when maximum diameter steel rods broke.



RAPID – The only formwork clamp in the world to offer:

DOUBLE SECURITY with

DOUBLE LOCKING plus around 40% time-saving for fitting and removal.



Agent in Saudi Arabia

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

MADE IN INDIA



FORMWORK TIE ROD STEEL COLD ROLLED THREADS

DESCRIPTION

FORMWORK TIE-BARS with steel cold rolled threads are manufactured from high steel grade.

SPECIFICATION COMPLIANCE

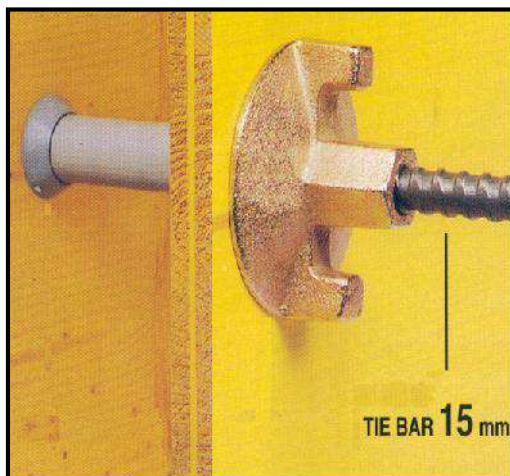
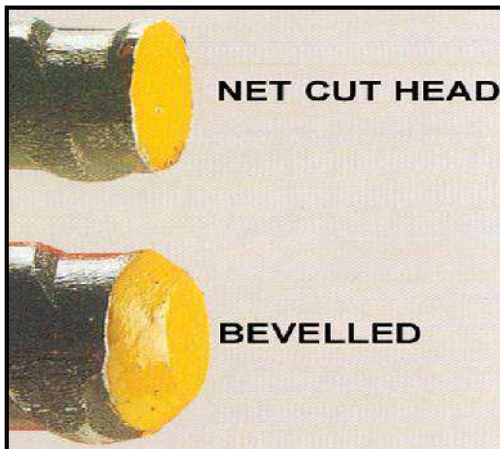
FORMWORK TIE-BARS meets the requirements of:

DIN 18216

DIMENSIONS

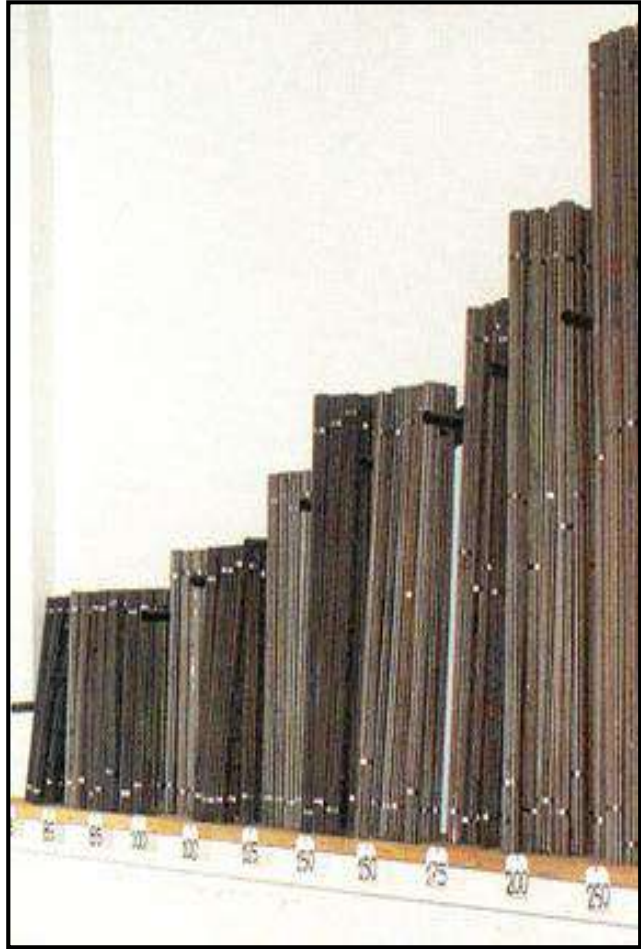
TIE-BARS are available in the following sizes:

Prod. Ref.	Description	Nom. Dia.	Std. Length
WTC	Tie-bar	15mm	6 meters
Other lengths can be supplied upon request.			



TECHNICAL DATA:

Description	TIE-BAR
Nominal diameter	15 mm
External diameter	17 mm
Nominal weight	1.56 kg/m
Nominal area	182 mm ²
Pitch	10 mm
Ultimate load	160 KN
Weldability	Weldable



Distributed by

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in India



FORM WORK WATER STOPPER

DESCRIPTION:

Water stoppers are manufactured from malleable cast iron and are mainly used as part of formwork locking system in water retaining concrete structure.

Prod. Ref.	Type	Thread size	Length
WSY	Center Flange, Yellow Galvanized	15/17 mm	114 mm
WSR	Regular with Ribs, Black	15/17 mm	119 mm
WEB	Centerl Flange, Black	15/17 mm	111 mm

Packaging: 50 PC's / Bag



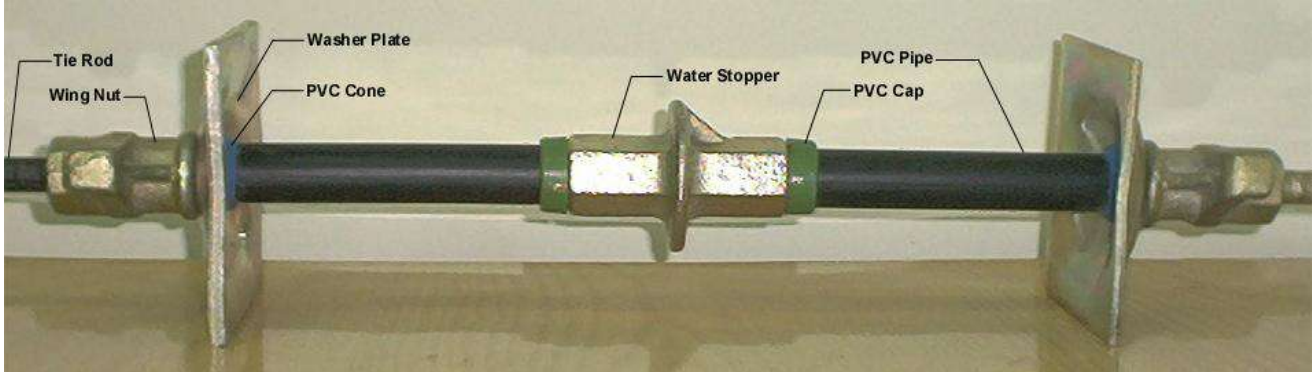
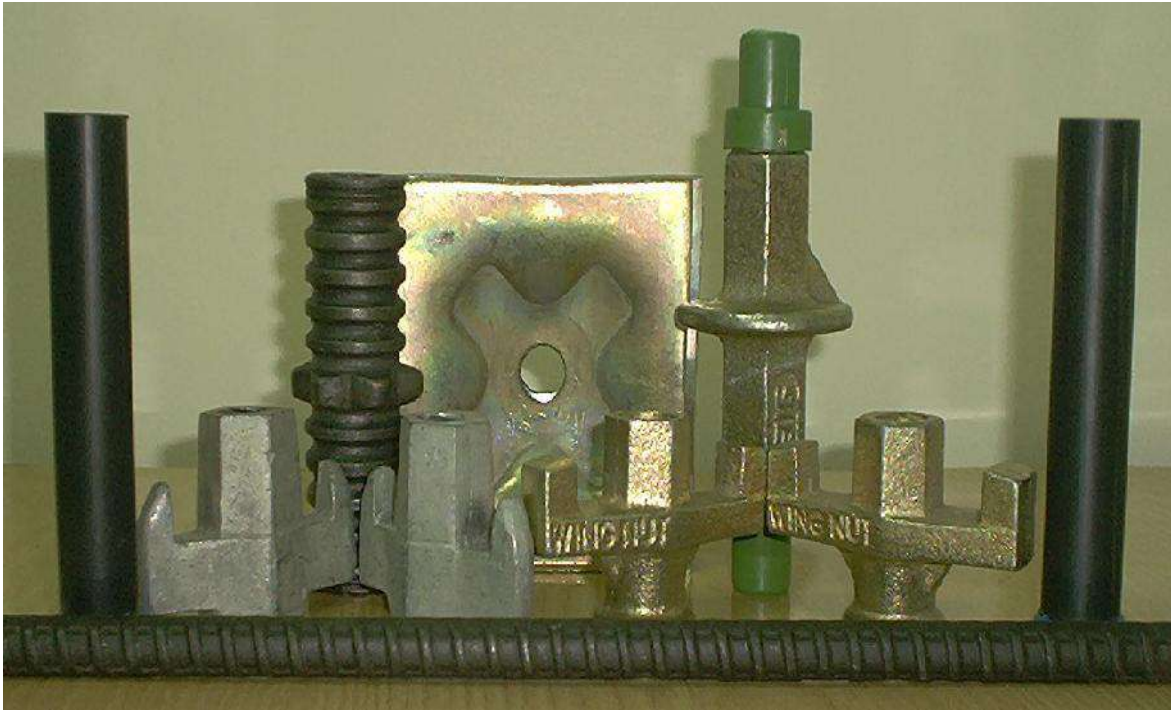
WSY, Center Flange, Yellow Galvanized



WSR, Regular with Ribs, Black



Range of Water stoppers



WAMCO
P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in India



CHAMFER STEEL AND PVC

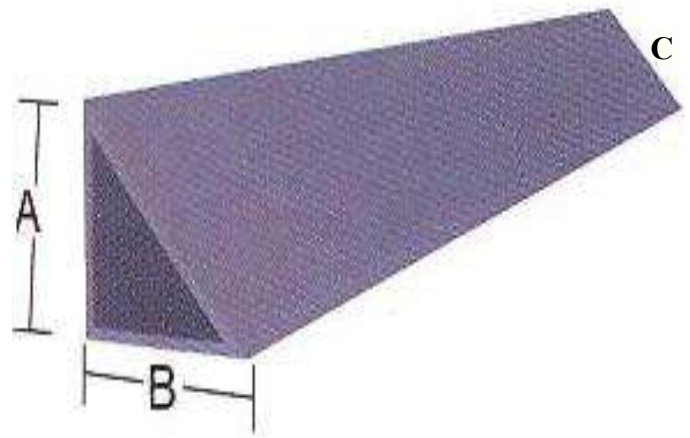
STEEL CHAMFERS

DESCRIPTION

STEEL CHAMFERS are manufactured from mild steel which has been designed to withstand toughest site conditions enabling several re-uses.

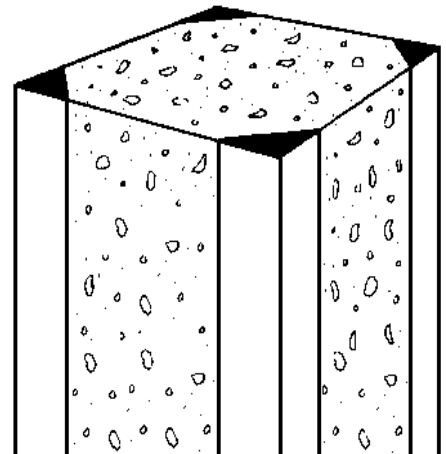
USES

- To form chamfered edges to precast concrete panels.
- To form chamfered edges to columns.
- Provide clean arisses when removed.



DIMENSIONS

Product Ref.	Size (mm)			Material	Length
	A	B	C		
WSC – 010	10	10	14	Mild Steel	4 Meters
WSC – 015	15	15	21	Mild Steel	4 Meters
WSC – 020	20	20	28	Mild Steel	4 Meters
WSC – 025	25	25	35	Mild Steel	4 Meters
WSC – 030	30	30	42	Mild Steel	4 Meters



INSTALLATION

Mould release agent should be applied to the side of chamfer facing concrete in order to remove the chamfer smoothly from the hardened concrete



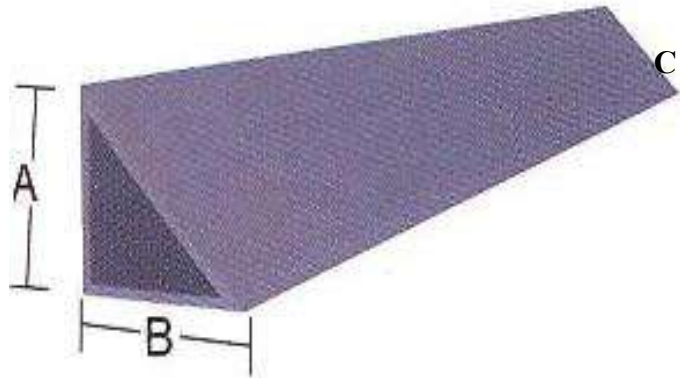
PVC CHAMFERS

DESCRIPTION

PVC CHAMFERS are manufactured from tough durable PVC which has been designed to withstand expected site conditions enabling several re-uses.

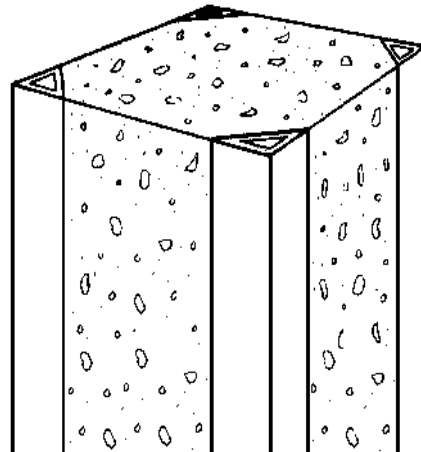
USES

- To form chamfered edges to columns.
- To form chamfered edges to precast concrete panels.
- It does not adhere to concrete and therefore provide clean arisses when removed.



DIMENSIONS

Ref. #	Size (mm)			Material	Length
	A	B	C		
WPC – 010	10	10	14	PVC	2 Meters
WPC – 015	15	15	21	PVC	2 Meters
WPC – 020	20	20	28	PVC	2 Meters
WPC – 025	25	25	35	PVC	2 Meters
WPC – 030	30	30	42	PVC	2 Meters



INSTALLATION

PVC CHAMFER is easily fixed by direct nailing to shuttering.



WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in
Saudi Arabia



PVC WATERSTOPS FOR EXPANSION AND CONSTRUCTION JOINTS

DESCRIPTION

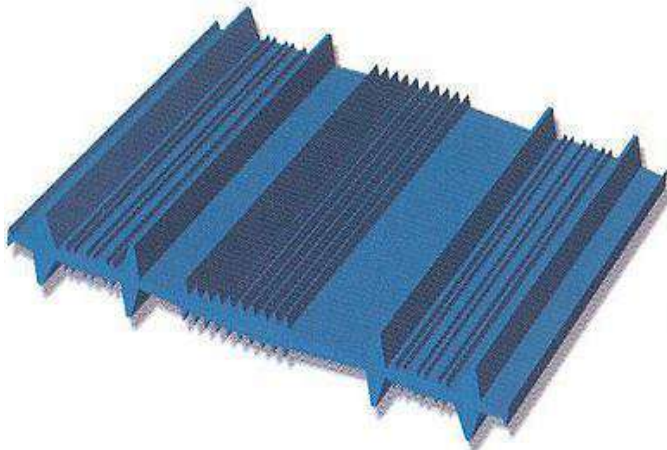
WAMCO PVC Waterstops are made by high-grade Polyvinyl Chloride (PVC) resin extrusion compound that are plasticised and stabilized to offer long life, performance, existence to abrasion and attack by ozone, oxidation, alkalis, hydrocarbons, corrosions, waterborne chemicals and aging.

The cross section configuration features a multi rib design for an effective anchor to the concrete a flexible, and a hollow center bulb to accommodate moderate expansion and contraction.

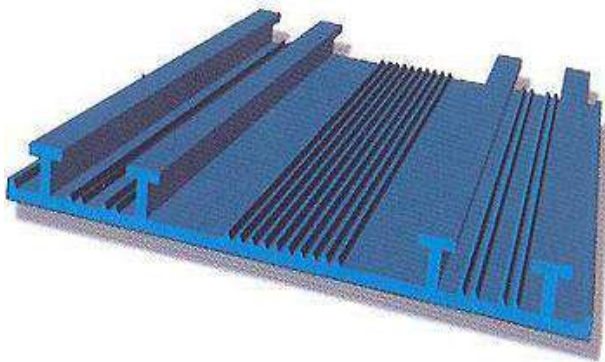
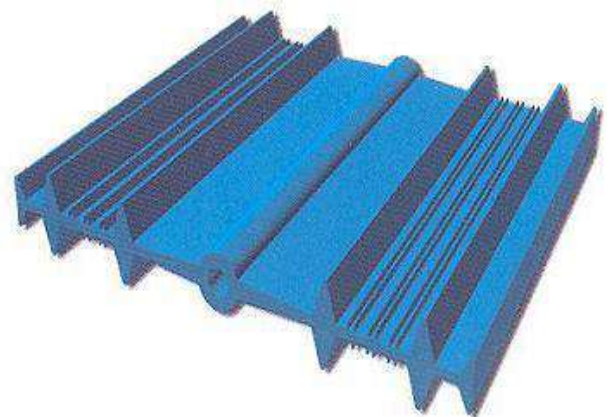
WAMCO PVC Waterstop is flexible, resilient, chemically inert, is not affected by weathering, low temperatures or constant immersion in water, unaffected by concrete additives and most water solutions of organic chemicals. It has abilities to accept joint movements and the same time prevents water passage through the joints.

WAMCO PVC Waterstop are manufactured to meet the most stringent performance specifications. This is achieved by offering excellent inherent technical characteristics within the product.

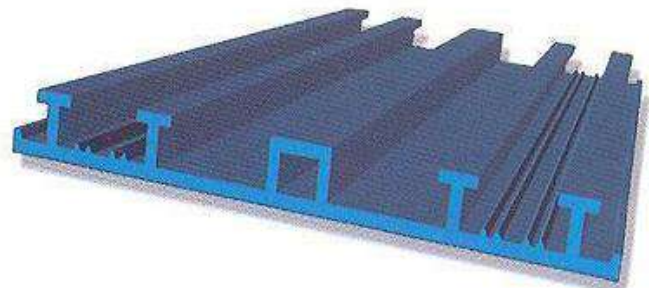
PVC Water Stop Internal Type Without Bulb



PVC Water Stop Internal Type With Bulb



PVC Water Stop External Type Without Bulb



PVC Water Stop External Type With Bulb

USES:

WAMCO PVC Waterstops are designed to provide an integrated sealing system for construction and expansion joints and differs from actual sealants in that it is already installed in its pre-planned position when the concrete is poured, taking up its function as flexible watertight as soon as the concrete has hardened.

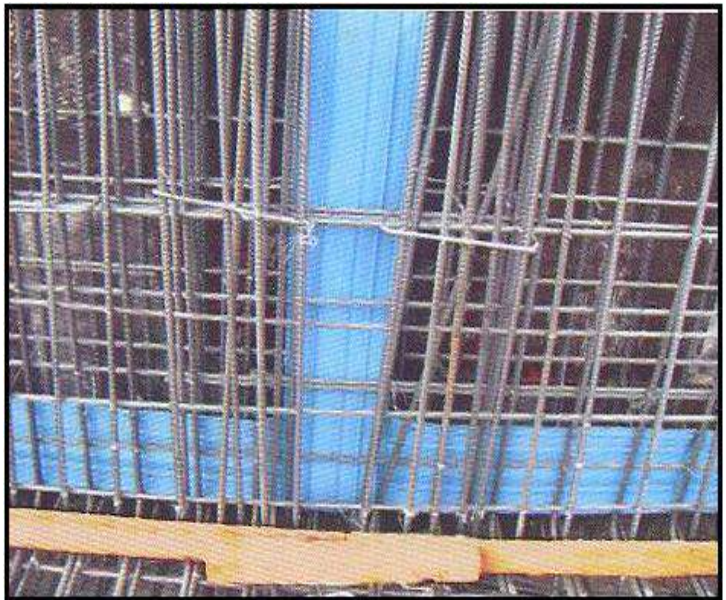
WAMCO PVC Waterstop are specially designed to provide an integral sealing system for water retaining and water excluding concrete structure such as:

WATER RETAINING STRUCTURES:

- Sewage Tanks
- Drainage Canals
- Water Reservoirs
- Swimming Pools
- Dams, Canals, Culverts
- Water Treatment Plants

WATER EXCLUDING STRUCTURES:

- Foundations, Basements
- Roof Decks
- Tunnels
- Pumping Stations
- Underground Chambers / Car Parking
- Subways
- Bridges
- Retaining Walls



WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in
Saudi Arabia



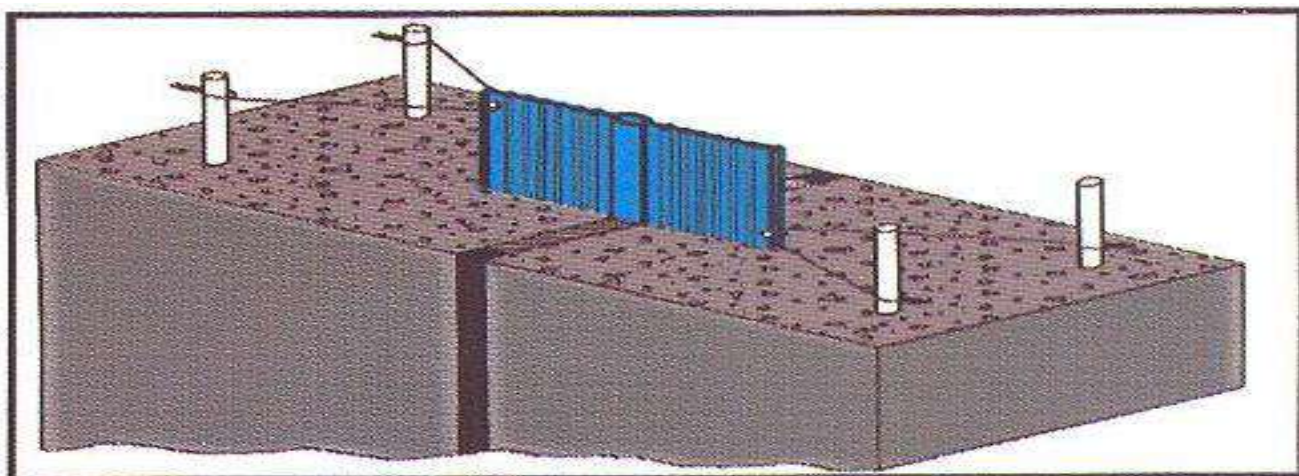
PVC WATERSTOPS FOR EXPANSION AND CONSTRUCTION JOINTS

ADVANTAGES:

- It is totally free of defects in material handling and workmanship and also it will not brittle or crack due to normal exposure.
- Normal water control applications in shore A-hardness will not effect to its characteristic.
- This will resists normal abrasion and tear failure.
- It will not fail under normal expansion and contraction in joints if it is installed in a professional way as mentioned in application method.
- Multi-rib design for an effective grip and also provides totally effective water barrier.
- Reinforced edge flange with Brass eyelets allows easy wiring to the reinforcement.
-

APPLICATION:

Internal joints profile should be positioned within the concrete. These waterstops are held under tension by concrete on either sides thus enabling the waterstop to act as watertight diaphragm. The waterstop should be put in place by specially prepared split stop end from work. It's then securely tied with wires to the neighboring reinforcement bars to ensure that the waterstops do not bend under the pressure of poured concrete.



PHYSICAL PRPERTIES:

PROPERTY	TEST METHOD	NOMILAL VALUE
Water absorption	ASTM D 570	0.02
Tear resistance	ASTM D 624	276 lb/in
Ultimate elongation	ASTM D 638	360%
Tensile strength	ASTM D 638	2000 psi
Low temperature brittleness	ASTM D 746	Passed @ -35°F / -37°C
Stiffness in flexure	ASTM D 747	700 Psi
Specific gravity	ASTM D 792	1.40
Hardness Shore A15	ASTM D 2240	79±3
Tensile strength after accelerated extraction	CRD – C 572	1850 psi
Elongation after accelerated extraction	CRD – C 572	300% min
Effect of Alkali after 7 days Weight change Hardness Change	CRD – C 572	+ 0.10% + 1 point

JOINTING DETAILS:

- Cut both ends to be welded straight using sharp knife (Jig)
- The ends are heated with welding equipment by pushing both ends of waterstop against blade.
- Maintain contact until melt into bead (approximate 1 minut)
- Release Jig and remove knife.
- Molten ends of waterstops are pushed together and allowed to cool for approximate 3 minutes.
- Release Jig and remove waterstop
- Inspect welded joint for continuity of weld and correct alignment of profiles.

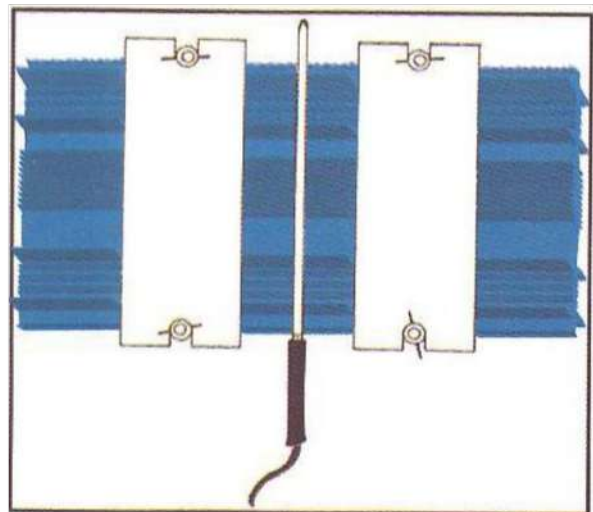
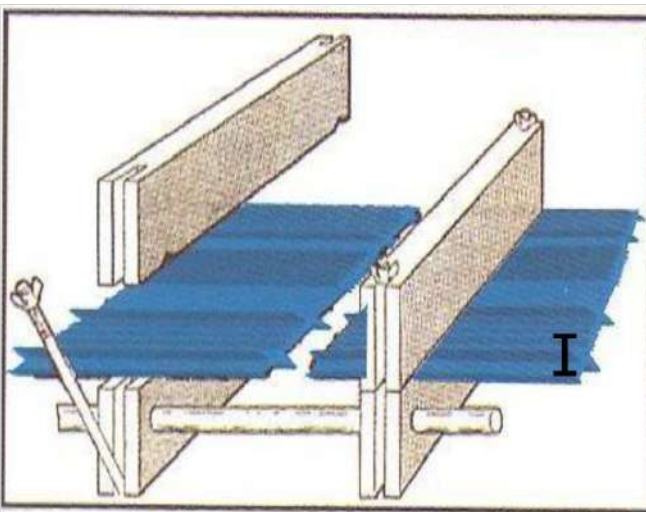
PACKING AND STORAGE:

WAMCO PVC Waterstop comes in 15, 20 meters roll. It should be stored in a shaded area away from chemicals and sharp edges.

HEALTH AND SAFETY:

WAMCO PVC Waterstop is completely non-hazardous and non-inflammable, but however care should be taken while cutting and welding the joints.

Hydrogen Chloride vapour will be released during the hot welding and therefore the joint area should be properly ventilated.

**WAMCO**

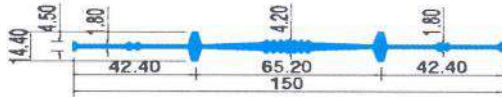
P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in
Saudi Arabia

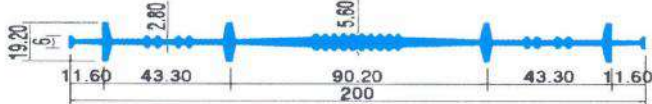
PROFILES AND DIMENSIONS

CONSTRUCTION / CONTROL JOINT PROFILES

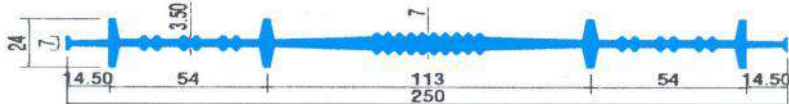
W5



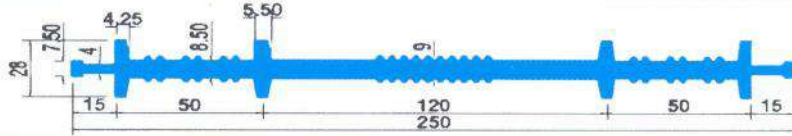
W6



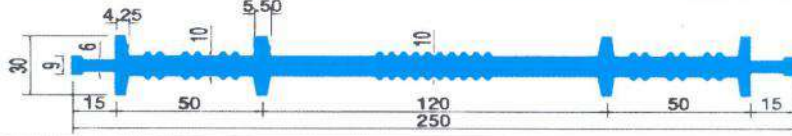
W7



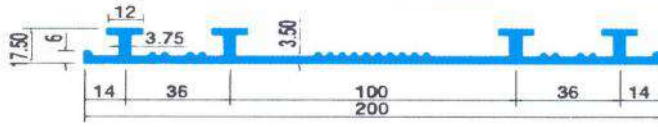
W8



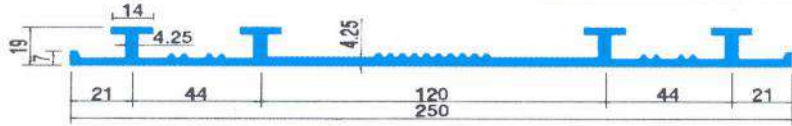
W8-10



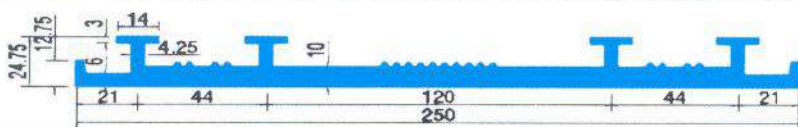
W11



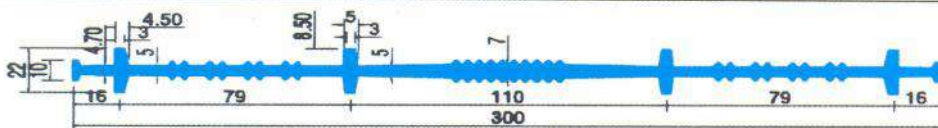
W12



W12-10



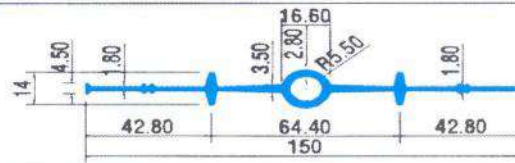
W14



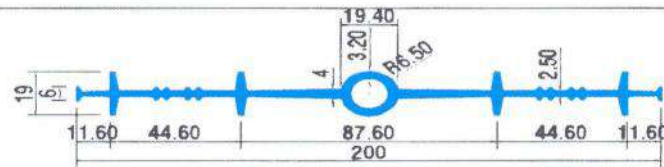
Construction Joint profile is a plain web section used in construction / contraction joints ribbed in center.

EXPANSION JOINT PROFILES

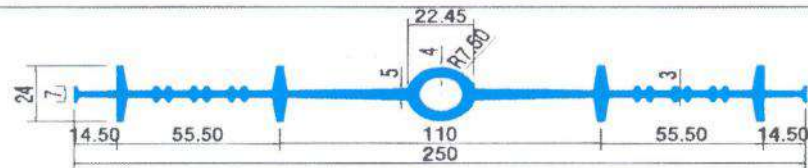
W1



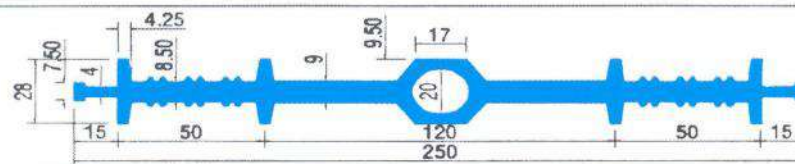
W2



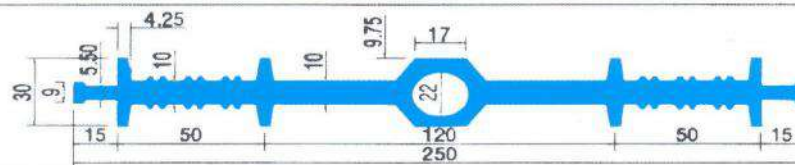
W3



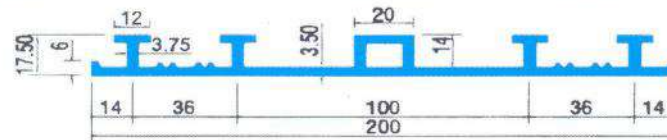
W4



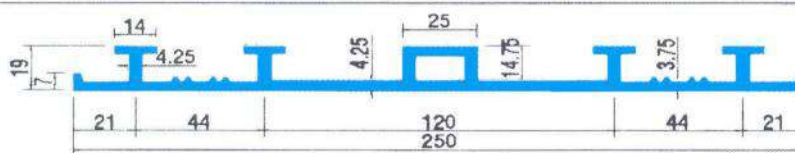
W4-10



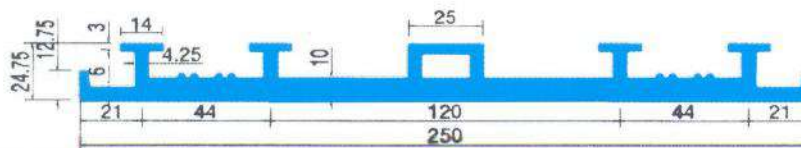
W9



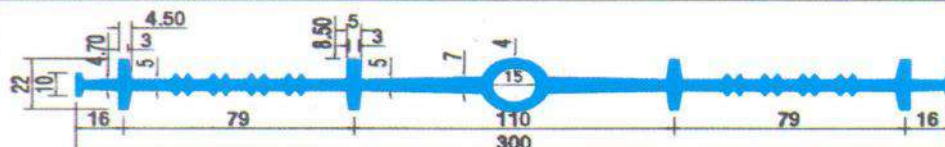
W10



W10-10



W13



Expansion Joint profile is used in expansion joints with center bulb. The central bulb is designed to allow cyclical movement in the structure and the flat top section is to accommodate expansion joint and form work.



WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in
Saudi Arabia



PVC SPACER

SPACERS FOR HORIZONTAL REINFORCEMENT

DESCRIPTION

Spacers for horizontal reinforcement are manufactured from PVC.

USES

- To provide exact spacing (concrete cover) between reinforcement and shuttering in horizontal concrete construction.
- Concrete Slabs

DIMENSIONS : Clip Spacers

Product Ref.	Cover (mm)	Ø of Bar (mm)	Packing PC's / Bag
TS 20	20	6-12	2000
TS 25	25	6-12	2000
TS 30	30	6-14	1000
TS 40	40	6-14	1000
TS 50	50	6-14	1000
TS 75	75	6-14	500



DIMENSIONS : Chair Spacers

Product Ref.	Cover (mm)	Ø of Bar (mm)	Packing PC's / Bag
SE 20	20	- / 28	2000
SE 25	25	- / 28	1000
SE 30	30	- / 28	2000
SE 40	40	- / 28	1000
SE 50	50	- / 28	1000



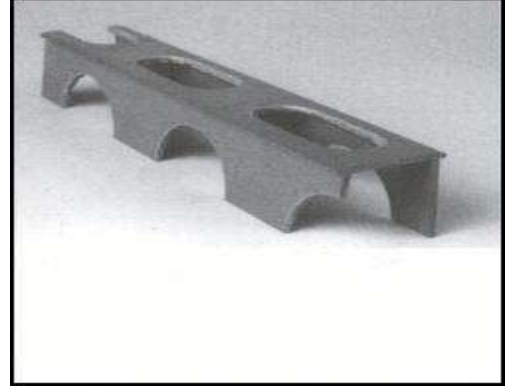
SPACERS FOR HORIZONTAL REINFORCEMENT

DESCRIPTION

Spacers for horizontal reinforcement are manufactured from PVC.

USES

- Extremely strong spacer.
- Gaps in the sides guarantee the good concrete flow.
- Does not overturn if the worker walks on the bracing.



DIMENSIONS

Product Ref.	Cover (mm)	Length (meters)	Packing (meter/Bundle)
RAP 15	15	2	100
RAP 20	20	2	100
RAP 25	25	2	100
RAP 30	30	2	100
RAP 35	35	2	50
RAP 40	40	2	50

Series: RAP

PVC SHIMPAD :

DESCRIPTION

Plastic Shimpad is ideal for packing during construction involving pre-cast concrete unit. Compression roof without slit



DIMENSIONS

Product Ref.	Thickness	Size (MM)	Packing (PCs/Bag)
S24	2	70 x 70	500
S25	3	70 x 70	500
S26	5	70 x 70	500
S27	10	70 x 70	250



WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in
Saudi Arabia



PVC SPACER ,PIPE, CONE & PLUG

SPACERS FOR VERTICAL REINFORCEMENT

DESCRIPTION

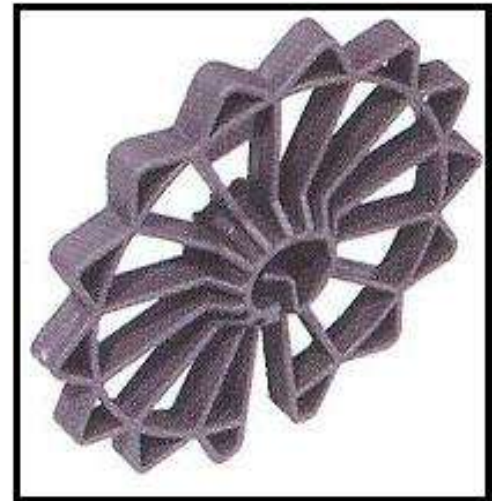
Spacers for vertical reinforcement are manufactured from PVC.

USES

- Provides exact spacing (concrete cover) between reinforcement and shuttering in vertical concrete construction.
- Columns
- Walls

DIMENSIONS : Wheel Spacers

Product Ref.	Cover (mm)	Ø of Bar	Packing PC's / Bag
ETO 20	20	6-14	1000
ETO 25	25	6-14	1000
ETO 30	30	6-14	1000
ETO 40	40	6-14	500
ETO 50	50	6-14	250
ETO 75	75	8-20	125
ETO 100	100	8-20	100



Series: ETO



DESCRIPTION

Pipe, Cone and Plug are manufactured from PVC.

USES

- For concrete formworks.

DIMENSIONS – PIPE

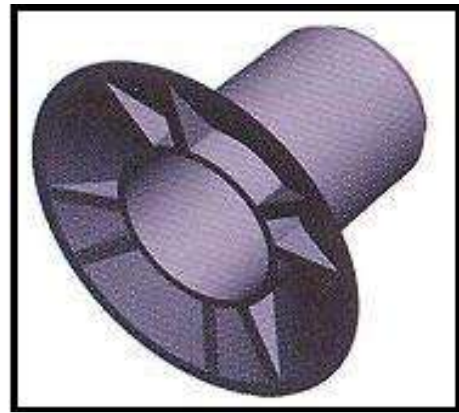
Product Ref.	Ø (mm)	Length (meter)	Packing (meter/Bundle)
XTU 20	20/24	3	75
XTU 22	22/26	3	75
XTU 26	26/32	3	75



Series: Pipe

DIMENSIONS – CONE

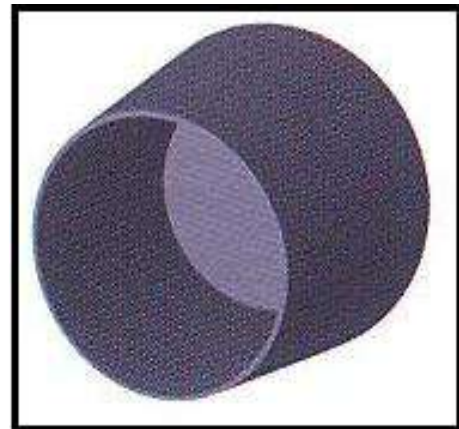
Product Ref.	Ø (mm)	Packing (PC's / Bag)
ROS 20	20	1000
ROS 22	22	1000
ROS 26	26	1000



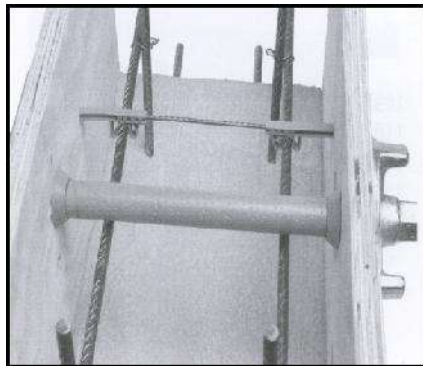
Series: Cone

DIMENSIONS – PLUG

Product Ref.	Ø (mm)	Packing(PC's / Bag)
TAP 20	20	1000
TAP 22	22	1000
Tap 26	26	1000



Series: Plug



WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in
Saudi Arabia



GEOTEXTILE NON-WOVEN, NEEDLE PUNCHED

DESCRIPTION

GEOTEXTILE is a non-woven fabric used in the building sector for various purposes. The non-woven polyester fabrics are made of artificial fibers that are joined together by means of a mechanical process called needle punched. A practical feature of the non-woven fabrics is the arrangement of the fibers that are bound together in an Omni-directional manner, this type of structure is the main feature that determines the technical properties of the geotextile.

APPLICATIONS:

Pressure Distributor:

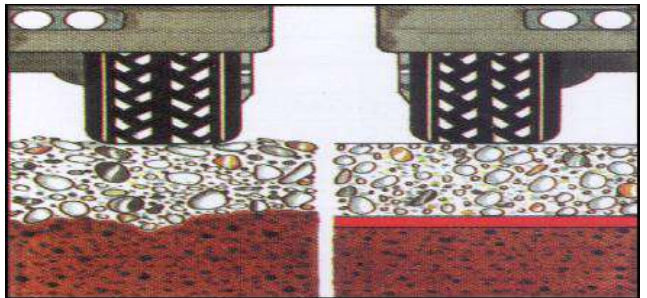
- This function is carried out in situation in which the supporting ground has a low load-bearing capacity, which significantly varies according to the various water contents.
- The Geotextile sheets prevent the underlying materials being pierced by the overlying materials (generally road, rail and airport super structures) by virtue of this multi-directional resistance characteristic, together with high percentage elongation value. The pressure distribution action on large surfaces for i.e. the foundation significantly contributes to the limitation of the thicknesses of the actual superstructures.
- At the same time the sheet intercepts the arrival of any water thereby creating a preferential line of evacuation within the same thickness.

Layer of transition, separation and anti-contamination:

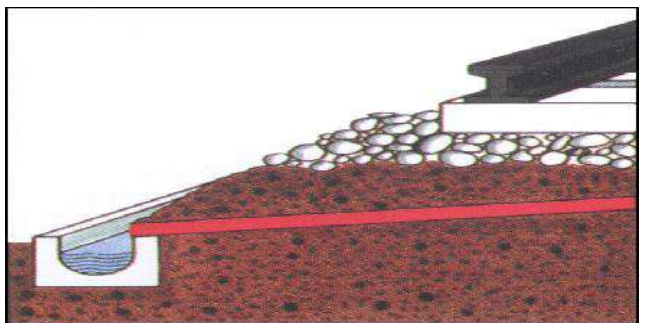
- This function is carried out smoothly and flexibly while at the same time ensuring high resistance that does not diminish through time. It is applied between "grounds" of different nature and different granulometric characteristics, to prevent the inter-mixing of the various layers in direct contact. The geotextile sheets are used in the protection of riverbeds and banks, in reclamations, in allusion filling, in offshore and river barrages and in consolidations.

Drainage Filter:

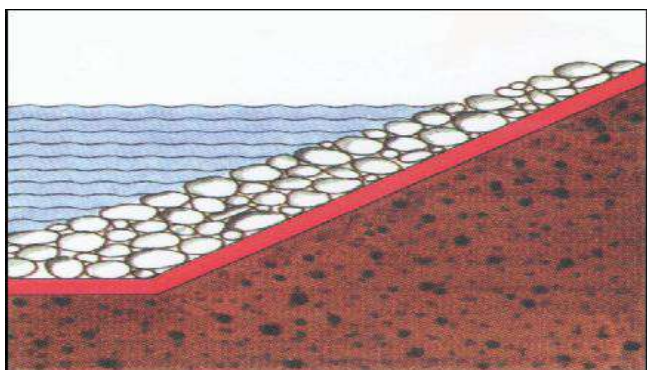
- The action can be carried out on competition of the previous ones. Infact the geotextile sheets, even in particularly harsh mechanical working conditions, permit the passage of a considerable quantity of water both in a radial and transversal sense, without the parallel verification of obstructions and transportation of the finest particles, which in time can cause settling, subsidence, slipping or even landslides of the drained ground.



... Pressure distributor



... Drainage and anti-contamination layer



... Transition and drainage layer

- The geotextile sheets can also be used in conjunction with other drainage elements such as drained trenches and fields, perforated piping, sand posts etc.

Protection and Mechanical Support:

- The geotextile sheets can be rationally used in the protection of thermoplastic membranes and sheets for the waterproofing of parameters, arches, tunnels, supporting walls, hanging gardens, reversed roofing and as a solution to ecological problems like controlled dumping, lagoon formations, storage of pollutant products etc.
- In other cases, by interposing a sheet of geotextile with adjacent thermoplastic sheets of different nature, it prevents their direct contact giving rise to reciprocal chemical reactions. In the event that the thermoplastic membranes, which can be structurally paired with the geotextile sheets, are subjected to loading with a surface hardness that is greater than the membrane itself, the extension of a sheet of appropriate thickness will avoid any damage.
- In the roof, the geotextile layer is normally placed between the roof covering such as gravels and insulation boards. Due to high temperature and tear strength of the fibers, the insulation boards are protected from sharp gravels or heavy tiles.

Possible uses of Geotextile:

150 and 200 gm/m²:

- Water Proofing
- Vault work for tunnels
- Hanging gardens, reversed roofing, self blocking pavements

300 gm/m²:

- Drainage sheets
- Ballasted roofs
- Water proofing
- Pavement bases
- Road Works

400 gm/m² and higher:

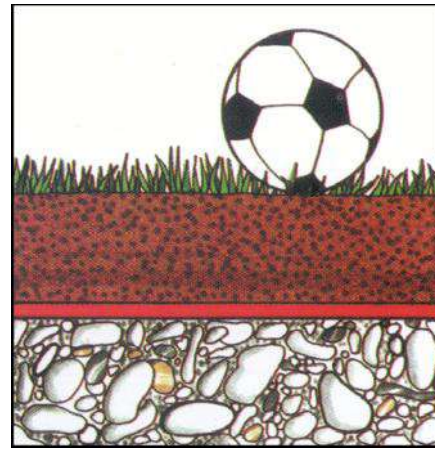
- It's used as the previous, but mostly for road works as a load distributor and as an anti-contamination and anti-rot layer.

DIMENSIONS

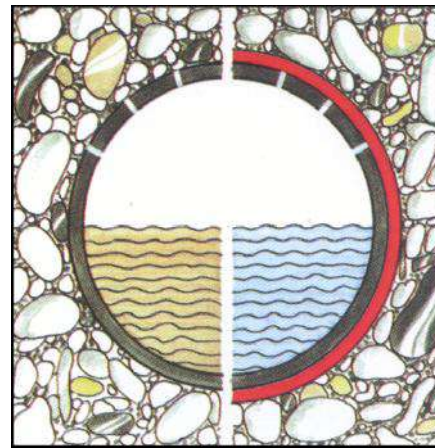
Product Ref.	Weight gm/m ²	Roll width (meters)	Roll length (meters)
WIG - 100	100	3	100
WIG - 120	120	3 & 4	100
WIG - 140	140	3 & 4	100
WIG - 150	150	3	100
WIG - 180	180 </td <td>3</td> <td>100</td>	3	100
WIG - 200	200	3 & 4	100
WIG - 250	250	3	100
WIG - 300	300	3 & 4	100
WIG - 400	400	3 & 4	100

Width upto 6 meters and weight upto 1000 gm/m² can be supplied upon request.

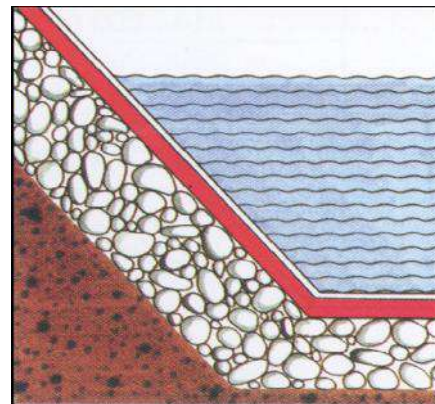
Manufactured for WAMCO according to Italian Specification.



... Separation layer



... Filtering layer



- Complies with ASTM D 638
- GEOTEXTILE does not contain natural fibers and is rot proof, mould or micro-organism, resistant to chemical agents usually present in the soil, not polluting and high UV resistant.
- GEOTEXTILE is available in polyester (PES) and Polypropylene (PP).

Agent in Saudi Arabia

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189





POLYETHYLENE SHEET

DESCRIPTION

Blown Polyethylene Sheet is a light clear extruded from low-density pearl polyethylene resin. The main purpose of a vapor barrier is preventing the passage of the water vapor that is contained in air. Vapor barriers and the insulation affect each other. They must both be installed so that they interact beneficially rather than harmfully

USES:

Vapor barriers are traditionally specified to minimize moisture inflow through concrete that's in contact with water or water vapor from a high water table. Vapor barriers are used to protect floor coverings or electronic equipment that might be damaged from moisture moving upward through the concrete slab. Recently, vapor barriers have also been used to minimize the infiltration of radon.

Used as vapor barrier and damp proof membrane in:

- Concrete slabs
- Floors
- Insulation boards etc.

ADVANTAGES:

Vapor barriers effectively minimize water inflow, but some water vapor may still pass through them . The vapor barrier applied over a granular layer greatly reduced the moisture movement through the concrete slab from the water below.

- The film is resistant to alkaline, salts and acids usually present in sub-soils.
- High stress cracking resistance
- Flexible over 80°C temperature.

SPECIFICATION:

Polyethylene Film complies with ASTM D2103, equivalent to ASTM D545

DIMENSIONS:

Product Ref.	Thickness (microns)	Roll Size (meters)	
		Width	Length
WPS – 100	100	4	25
WPS – 150	150	4	25
WPS – 200	200	4	25
WPS – 250	250	4	25
WPS – 300	300	4	25

* Other sizes can be supplied upon request.



TECHNICAL INFORMATIONS

FILM PROPERTIES	UNIT	VALUE	TEST METHOD	
Vapour Performance	PERMS	0.063	ASTM D 2103, D 545	
Density @ 23°C	G/cm ³	0.921 – 0.925	ASTM D 2103, D 545	
Tensile strength @ yield				
	MD	Mpa	12	ASTMD – 882
	TD	Mpa	10 – 11	ASTMD – 882
Tensile strength @ break				
	MD	Mpa	20 – 22	ASTMD – 882
	TD	Mpa	20	ASTMD – 882
Impact strength, F 50	G	100 – 270	ASTM D 2103, D 545	
Temperature resistance	°C	– 30 to +96		

Note: The tensile properties are measured on a blown film of 200 microns other properties are measured on a film of 50 microns.



Distributed by

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

**Made in
Saudi Arabia**



ANGLE BEAD GALVANIZED

DESCRIPTION

Galvanized ANGLE BEAD for finishing screed and corner reinforcement in plaster work.

USES

- Provides a true arris
- Protects and reinforces plaster where it is most vulnerable.
- Expanded metal wings allow to secure fixing into the plaster finish and provide excellent mechanical key for the plaster.
- The use of ANGLE BEAD helps the formation of edges which are resistant to chipping, cracking and impact damage.

SPECIFICATIONS OF STEEL

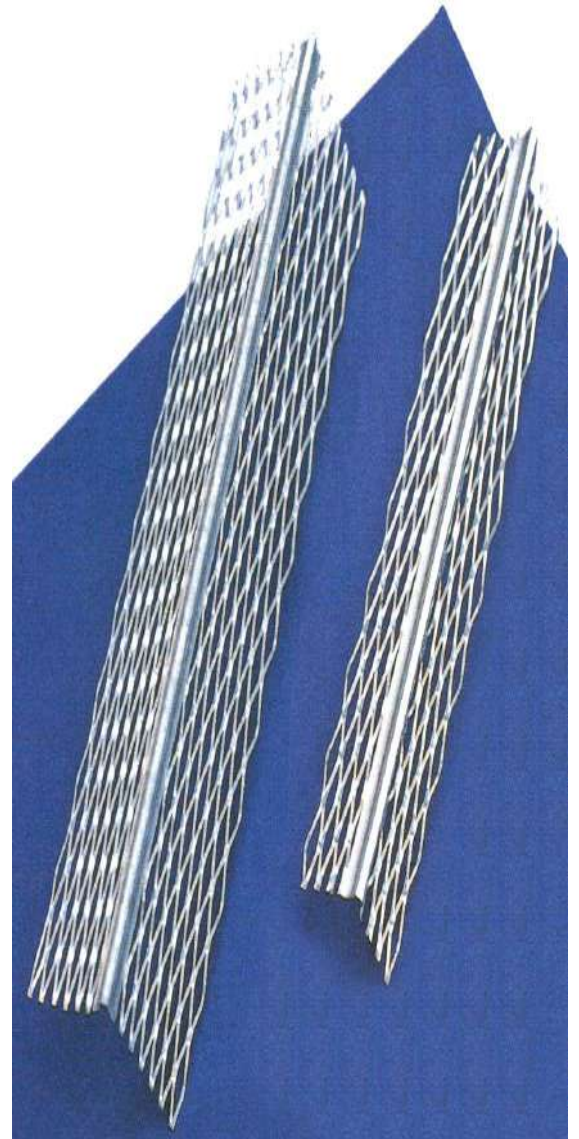
Galvanized Steel complies with ASTM A-653

Lock Forming Quality as per ASTM C-847

Zinc coated Galvanized

DIMENSIONS

Ref. #	Wing (mm)	Material	Length
W - 050	50 x 50	Galvanized	3 Meters
W - 070	70 x 70	Galvanized	3 Meters

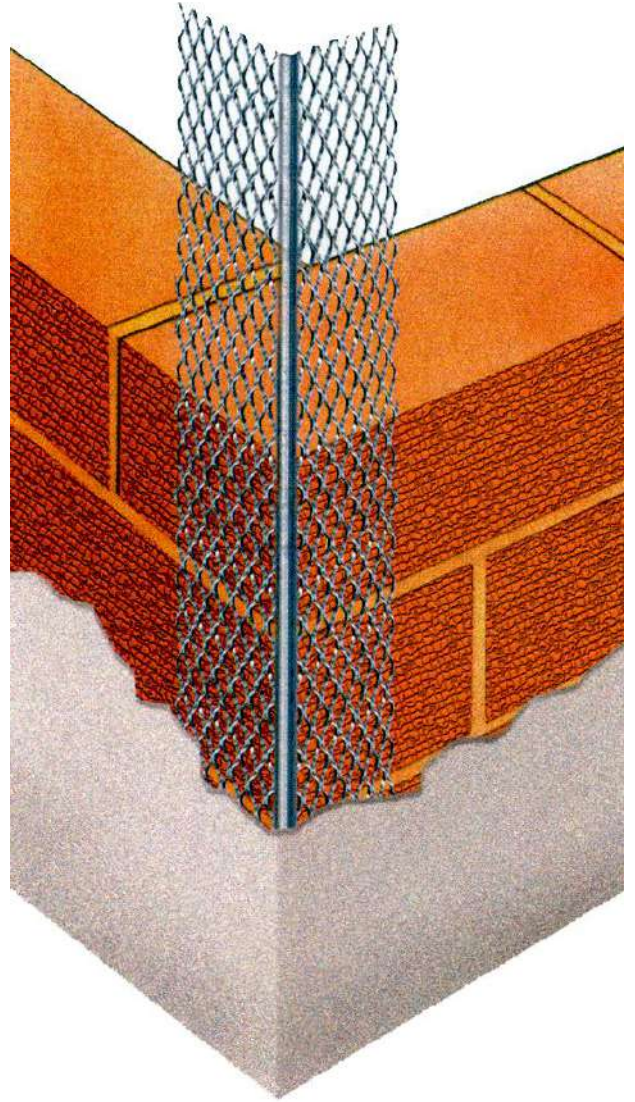


INSTALLATION

Measure the length of ANGLE BEAD for fixing. If required, cutting can be done easily by metal snip.

ANGLE BEAD can easily be fixed using:

- Dabs of plaster
- Nailing with galvanized steel
- Wiring to the expanded metal wings



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

**Made in
Saudi Arabia**



BLOCK MESH LADDER TYPE

DESCRIPTION

BLOCK MESH is manufactured from cold drawn steel wire and galvanized by zinc coating.

USES

- Reinforcement for masonry blocks
- Reinforcement for clay brick walls
- Improves resistance against wind pressure
- Helps to control movement and shrinkage cracks
- Withstands the loading of material against the wall.
- Enable the wall to span across openings

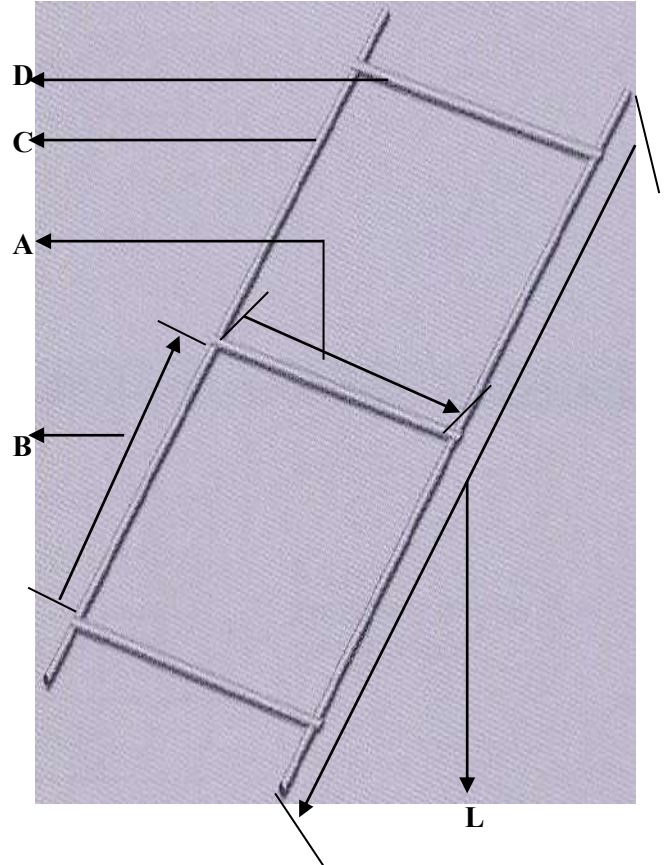
SPECIFICATIONS OF STEEL

Galvanized Steel Wire complies with ASTM A-641

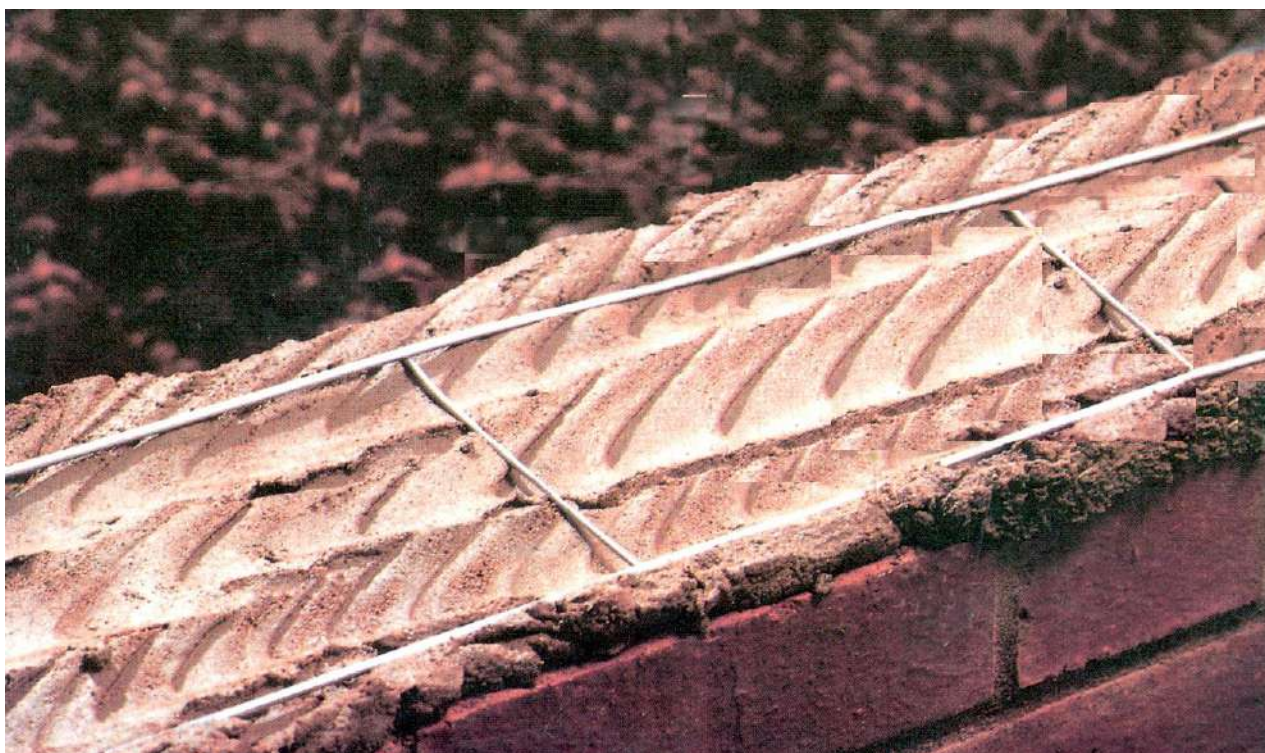
Zinc coating ASTM A-116

DIMENSIONS

Product Ref.	Size	Length
WBML – 050	50 x 400mm	3 Meters
WBML – 100	100 x 400mm	3 Meters
WBML – 150	150 x 400mm	3 Meters
WBML – 200	200 x 400mm	3 Meters
WBML – 250	250 x 400mm	3 Meters



- A** - Width (50–250mm with an increment of 50mm)
- B** - Cross bar spacing – 400mm
- C** - Longitudinal bar diameter – 4mm
- D** - Cross bar diameter – 4 mm
- L** - Overall length – 3 meters



Recommended width of BLOCK MESH for different wall thickness.

Nominal wall thickness Block/Brick width	Recommended width of BLOCK MESH
100mm	50mm
150mm	100mm
200mm	150mm
250mm	200mm



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

**Made in
Saudi Arabia**



COIL LATH

GALVANIZED

DESCRIPTION

Galvanized expanded metal COIL LATH for reinforcing brick and block masonry construction.

USES

- Reinforces brick and block masonry construction
- Used as a background to plaster at the joints
- Reinforcing along lines of stress
- Prevents cracking.
- COIL LATH is an ideal alternate to sheet as it substantially reduces the amount of cutting requires specially for plaster joints.

SPECIFICATIONS OF STEEL

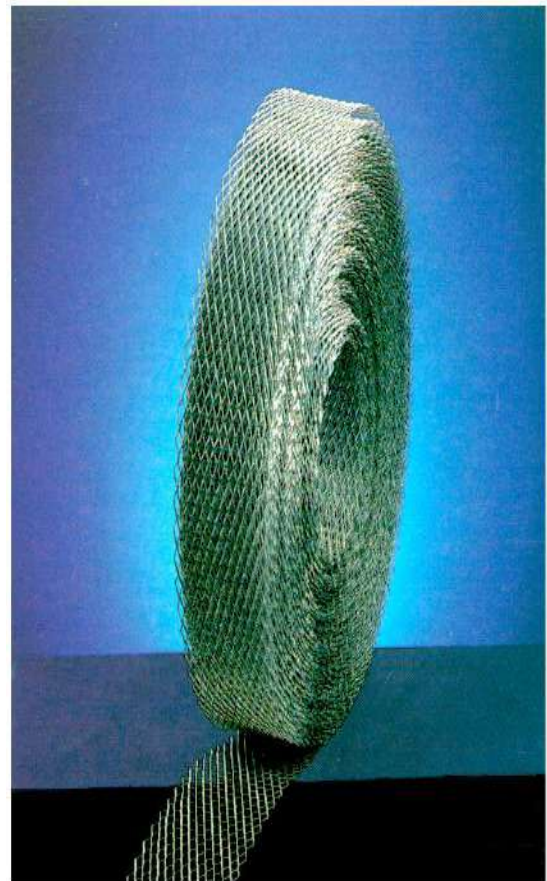
Galvanized Steel complies with ASTM A-653

Lock Forming Quality as per ASTM C-847

Zinc coated Galvanized

DIMENSIONS

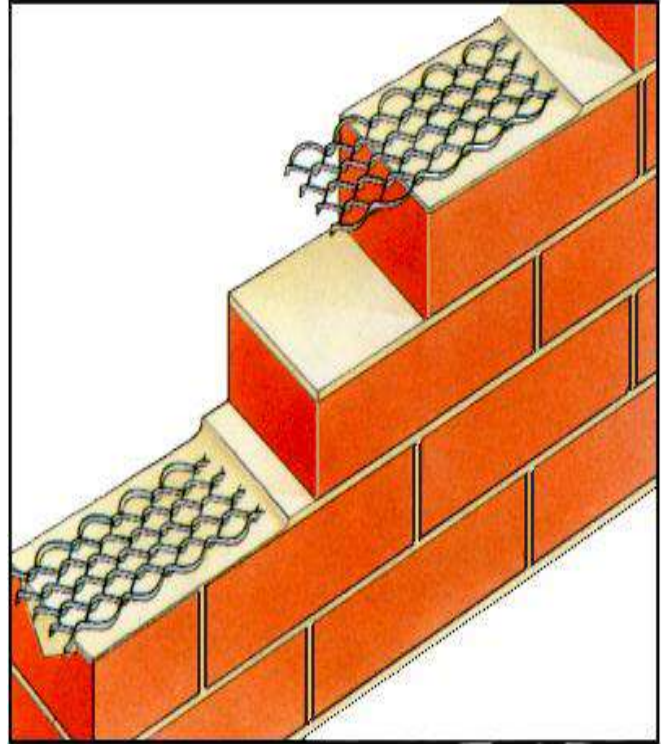
Product Ref.	Width (Mm)	Roll Length (Mtr.)
WCL - 0605	50	15 and 30
WCL - 0610	100	15 and 30
WCL - 0615	150	15 and 30
WCL - 0620	200	15 and 30



INSTALLATION

COIL LATH is placed into the mortar between the lines of bricks or blocks.

COIL LATH can easily be cut by metal snip.



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

**Made in
Saudi Arabia**



CONTROL JOINT & ARCHITRAVE BEAD

CONTROL JOINT BEAD

Control Joints used effectively will divide a large solid wall into panels that facilitate longitudinal movement thereby reducing the chances for cracks or limiting how much cracking actually occurs on the wall face.

USES :

- In long straight walls
- At abrupt changes in wall thickness or height
- At chases for pipes fixture etc.
- On one or both sides of wall openings
- At bond beam breaks
- At abutment of walls and columns or pilasters
- At wall intersections in main walls or partitions
- At construction joints in foundation roofs or floors
- At return angles in "L", "T" or "U" shaped structures
- When brick or stone veneer is applied to block

SPECIFICATIONS OF STEEL

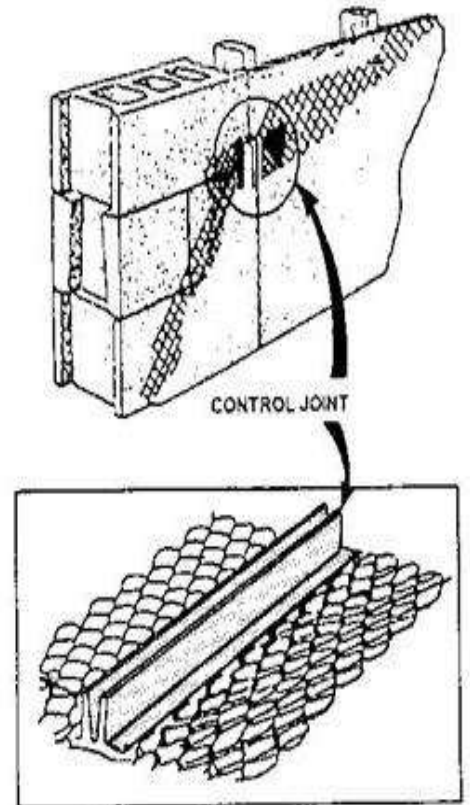
Galvanized Steel complies with ASTM A-653

Lock Forming Quality as per ASTM C-847

Zinc coated Galvanized

DIMENSIONS

Ref. No.	Description
WCJ-517	Control Joint 10 mm x 3 Mtr
WCJ-518	Control Joint 13 mm x 3 Mtr
WCJ-519	Control Joint 16 mm x 3 Mtr
WCJ-520	Control Joint 19 mm x 3 Mtr



ARCHITRAVE & FEATURE BEAD

Description & Uses :

Architrave & Feature Bead is a galvanized steel used to form a decorative shadow line at plaster edge at door and window reveals and other joinery features. It can also be used to act as a neat divide between differing wall finishes . Available with or without a return flange (Engaging or Abutting) .With Features Bead the risk of cracking is minimized by the slots and scalloped edge incorporated.

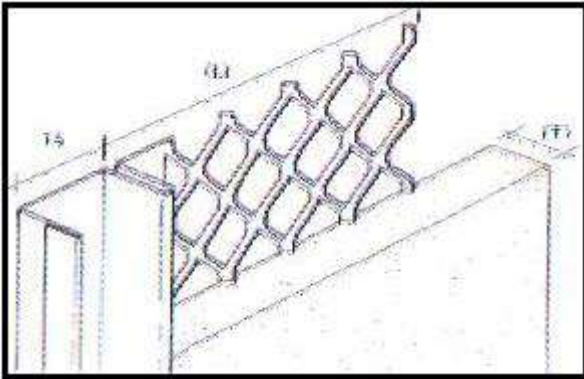
Galvanized architrave Bead is used in very small way to Feature Bead creates a clean feature at the plaster edges, abutting with the frame .

SPECIFICATIONS OF STEEL

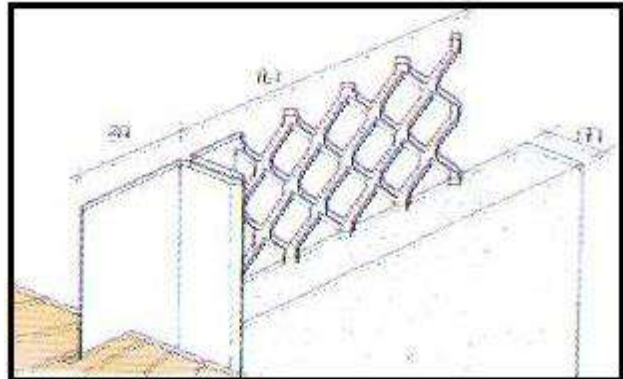
Galvanized Steel complies with ASTM A-653

Lock Forming Quality as per ASTM C-847

Zinc coated Galvanized



ARCHITRAVE BEAD (ABUTING)



ARCHITRAVE BEAD (ENGAGING)

DIMENSIONS

Ref. No.	Description
WAB-579	Architrave Bead 13 mm
WAB-580	Architrave Bead 16 mm
WAB-581	Architrave Bead 19 mm

Ref. No.	Description
WAB-579	Architrave Bead w/o return flag



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in
Saudi Arabia



CORNER MESH GALVANIZED

DESCRIPTION

Expanded galvanized CORNER MESH used to reinforce internal corners for plastering work.

USES

- Reinforces plaster where it is most vulnerable.
- Reinforces plaster for inside corners.
- Expanded metal wings allow to secure fixing into the plaster finish and provide excellent mechanical key for the plaster.
- Improves adhesion and prevents cracking at the corners.

SPECIFICATIONS OF STEEL

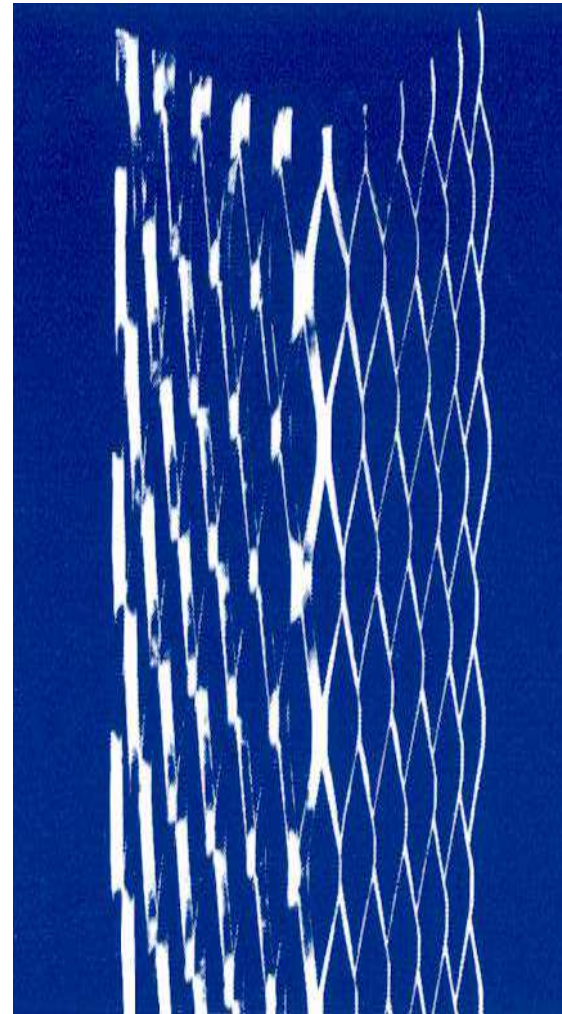
Galvanized Steel complies with ASTM A-653

Lock Forming Quality as per ASTM C-847

Zinc coated Galvanized

DIMENSIONS

Product Ref.	Wing (mm)	Material	Length
WCM – 050	50 x 50	Galvanized	3 Meters
WCM – 070	70 x 70	Galvanized	3 Meters



INSTALLATION

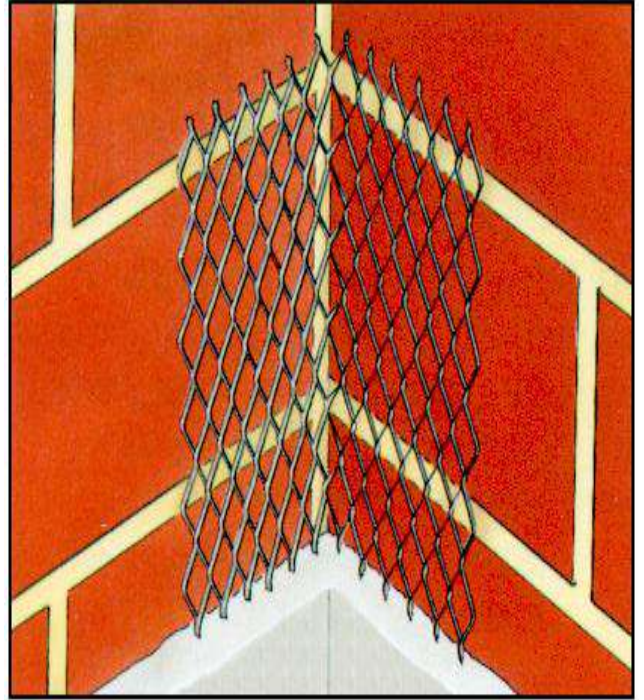
Measure the length of CORNER MESH for fixing.
If required, cutting can be done easily by metal snip.

CORNER MESH can easily be fixed using:

- Dabs of plaster
- Nailing with galvanized steel
- Wiring to the expanded metal wings

JOINTS

No overlaps are necessary for masonry construction, butt ends together and fix each section separately.



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

**Made in
Saudi Arabia**



EXPANDED METAL LATH GALVANIZED

DESCRIPTION

EXPANDED METAL LATH is manufactured from prime quality galvanized steel sheet. It is slitted and expanded uniformly to form a multitude of small diamond mesh openings.

USES

- Back ground to plaster in order to reinforce against cracks
- Suitable to use in the formation of non-flat surfaces
- At the joints of dissimilar materials
- Suspended ceiling and fire protection to steel work
- Diamond mesh opening ensures an extremely reliable key with plaster.
- Useful for large area of plaster work.

SPECIFICATIONS OF STEEL

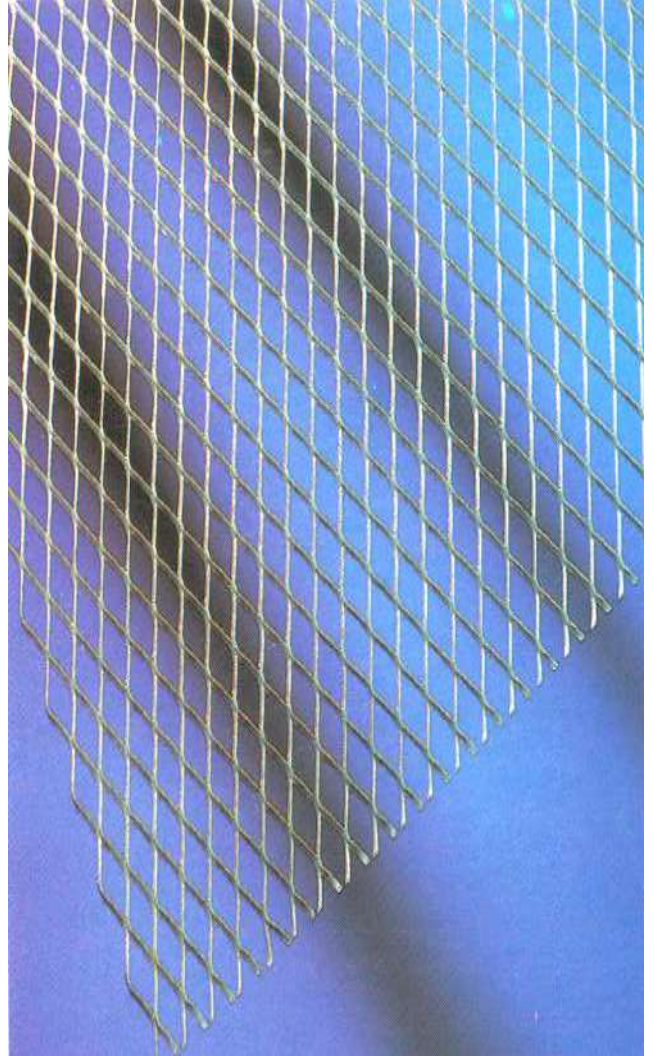
Galvanized Steel complies with ASTM A-653M

Lock Forming Quality as per ASTM C-847

Zinc coated Galvanized

DIMENSIONS

Product Ref.	Weight Kg/m ²	Material	Sheet Size (mm)
WEM – 061	0.61	Galvanized	600 x 2400



INSTALLATION

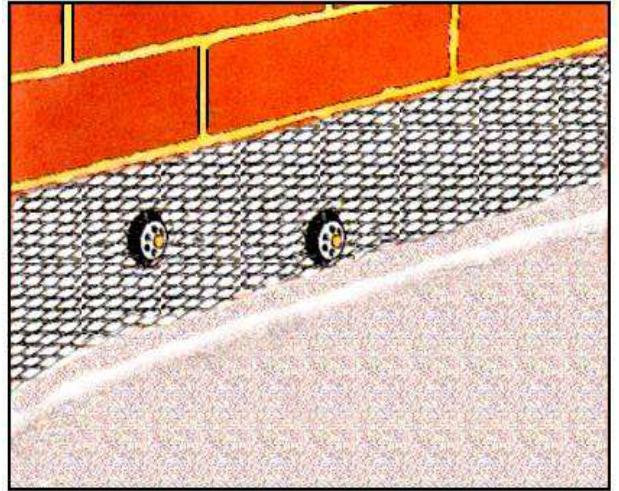
Measure and prepare length of EXPANDED METAL LATH for fixing. If required, metal lath can be cut on site using metal snip.

EXPANDED METAL LATH can easily be fixed using:

- Dabs of plaster
- Nailing with galvanized nails
- Wiring to metal studs, runners

JOINTS

No overlaps are necessary, butt ends together and fix each section separately.



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

**Made in
Saudi Arabia**



HY-RIB & RIB LATH

HY – RIB (Made in K.S.A)

Hy-Rib is an expanded metal sheet product, specially developed for use as permanent formwork to concrete . The profile of the mesh in combination with the HY-RIB tangs, allows the development of dense concrete nodules and indents on the face of the HY-RIB, forming an enhanced mechanical key for the second phase pour. In the case of visible elements the resulting HY-RIB surface is suitable to receive a rendered or tiled finish .

SPECIFICATIONS OF STEEL

Galvanized Steel complies with BSEN10327, Stainless Steel with BSEN10088

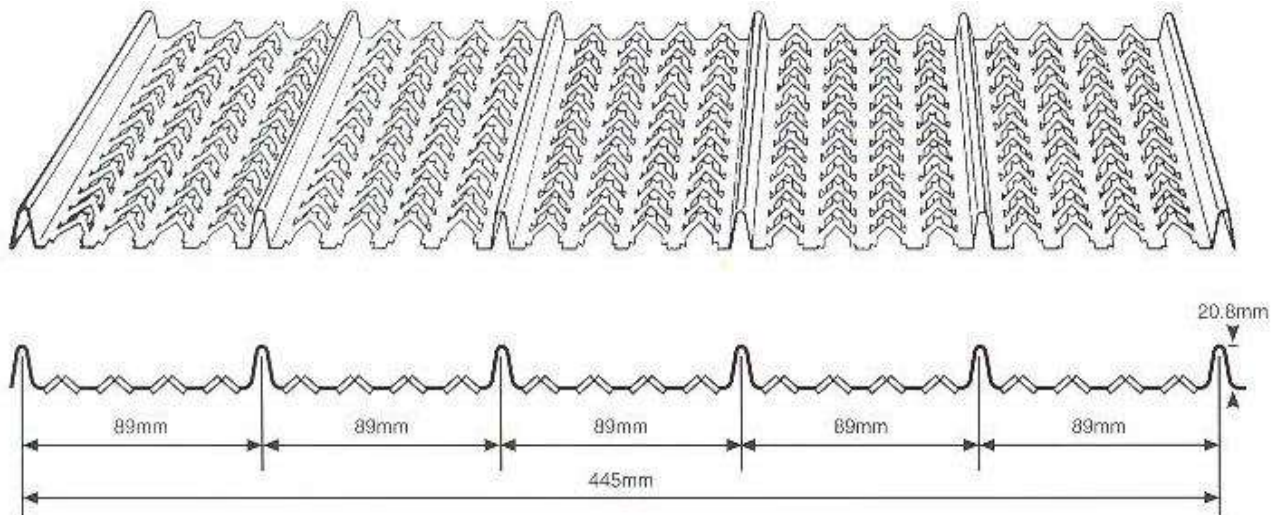
Zinc coated Galvanized

USES

- Hy-Rib is primarily used in construction joint applications but it is also used to form wall, beam & column surfaces.
- Hy-Rib can be used with all conventional support system.
- Hy-Rib reduces the risk of trapped air and voids within the concrete .
- The range of narrower sheet widths improves site productivity and minimizes wastages
- Fastening to supports can be by nailing to timber and or by wire tying to steel / rebar.
- Hy-Rib can be fixed with the ribs running horizontally or vertically and supported at right angles.

Indicative spacing of supports at slab joints using Hy-Rib [Size: 445 x 3000 mm]

Depth of Joint	Concrete Pressure		Clear Distance Between Supports For Hy-Rib Grades		
	Ciria 108 KN/M ²	Assumed For Hy-Rib KN/M ²	2411 mm	2611 mm	2811 mm
250	6.25	3.2	1250	1025	950
500	12.5	6.3	900	725	675
750	18.75	9.5	725	600	550
1000	25.0	12.7	625	500	475
1250	31.25	15.8	575	450	425
1500	37.5	19.0	525	425	400
2000	50.0	25.3	450	375	350
2500	62.5	31.7	400	325	300
3000	75.0	38.0	375	300	275



RIB-LATH

DESCRIPTION

Rib lath is made from coils of sheet steel, slit and expanded into herring bone pattern with metal ribs running about every 3 inches on the long direction of the sheet. This product is typically stapled nailed or screw applied to the substrate .It can also be tie wire attached to cold rolled grillage.

USES

An Integrally Rib lath used for external rendering in sheltered / moderate exposure away from the coast. It is widely used as plaster backing on ceiling, walls and stud partitions .RibLath is also ideal for refurbishing damaged or aged masonry walls when a key for rendering is not certain due to disintegration or softening of the wall face .

SPECIFICATIONS OF STEEL

Manufactured in Galvanized Steel to BS EN 10143:1993 with quality Zinc coating G60.
Complies with BS 1369 Part 1:1987 specification for expanded metal and ribbed lathing.

DIMENSIONS

Ref. No.	Description
WPA-269	Rib lath Width 600 mm x Length 2500 mm



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in

Kingdom of Saudi Arabia





PLASTER STOP GALVANIZED

DESCRIPTION

Galvanized PLASTER STOP for finishing and reinforcing plaster edges.

USES

- Wherever finished plaster edges are required
- Around doors and windows
- Parapet plaster edges
- Finishes and reinforces plaster
- Expanded metal wing allow to secure fixing into the plaster finish and provide excellent mechanical key for the plaster.
- Improves adhesion and prevent cracking at plaster finish

SPECIFICATIONS OF STEEL

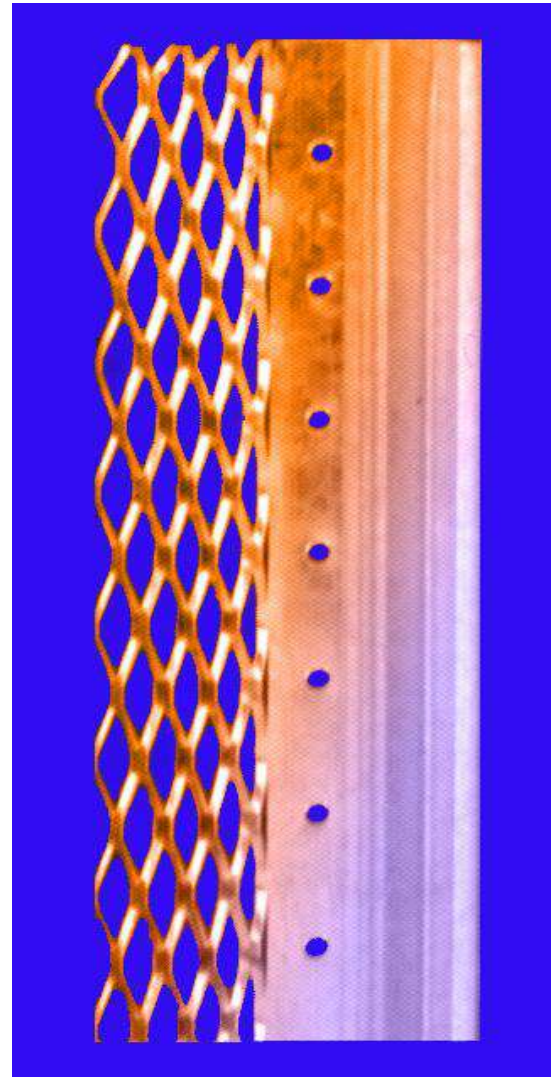
Galvanized Steel complies with ASTM A-653

Lock Forming Quality as per ASTM C-847

Zinc coated Galvanized

DIMENSIONS

Ref. #	Plaster Thickness	Material	Length (Meters)
WPS – 010	10 mm	Galvanized	3.00
WPS – 013	13 mm	Galvanized	3.00
WPS – 016	16 mm	Galvanized	3.00
WPS – 019	19 mm	Galvanized	3.00

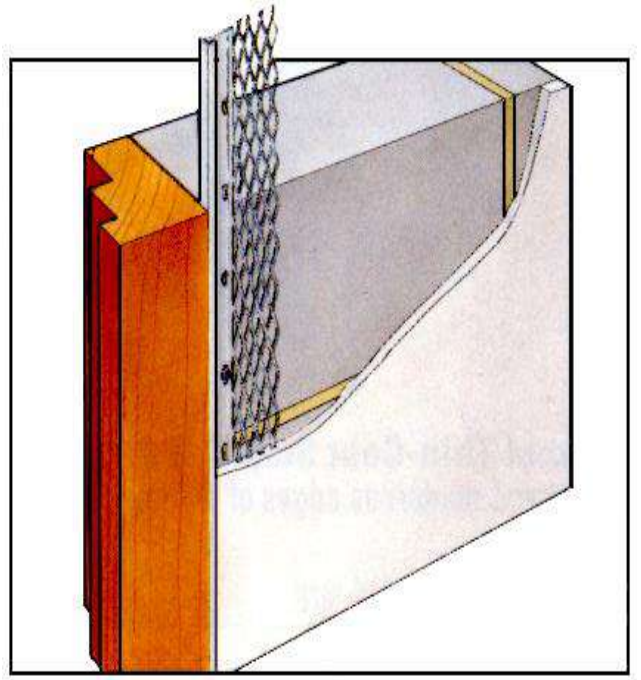


INSTALLATION

Measure the length of PLASTER STOP for fixing.
If required, cutting can be done easily by metal snip.

JOINTS

Overlaps are not necessary, butt ends together
and fix each section separately.



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

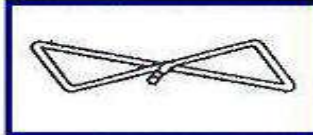
**Made in
Saudi Arabia**



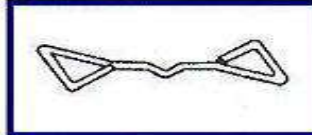
STANDARD TYPE CAVITY WALL

Standard Type-Cavity Wall

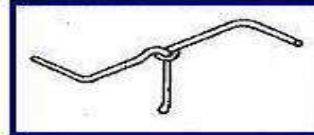
CW-101



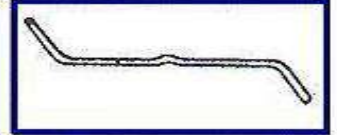
CW-102



CW-103



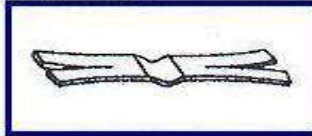
CW-104



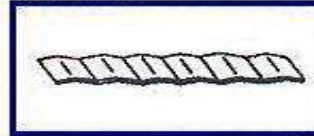
CV-101



CV-102



CV-103

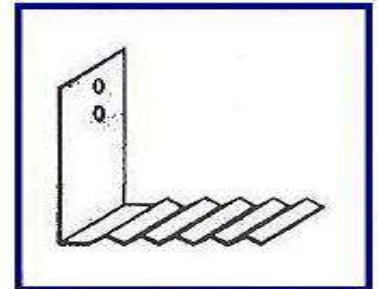


CV-104

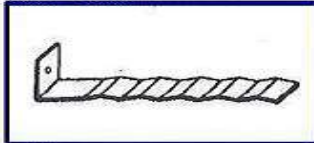


Buck & Frame Anchors

Type	Size
BA-100	16 Gauge X 1" W X 3 1/2" L X 1 1/4" H
	14 Gauge X 1 1/2" W X 4" L X 1 1/2" H
BA-101	16 Gauge X 1 1/2" W X 8" L X 1 1/2" H
	16 Gauge X 2" W X 8" L X 2" H
BA-102 (Key Hole)	16 Gauge X 1 1/2" W X 3 1/2" L X 1 1/4" H
	14 Gauge X 1 1/2" W X 4" L X 1 1/2" H
BA-103	14 Gauge X 1 1/2" W X 4" L X 2" H, X" H,
	14 Gauge X 1 1/2" W X 8" L X 2" H X 1" H
BA-104	16 Gauge X 1 1/2" W X 4" L X 4" H
BA-105	16 Gauge 1 1/2" W X 10" L
BA-106	16 Gauge 1 1/2" W X 4" X 1 1/2" H
BA-107	16 Gauge 1 1/2" W X 4"



BA-100



BA-101



BA-102



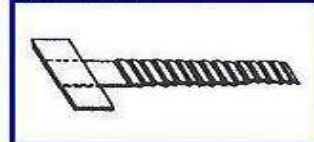
BA-103



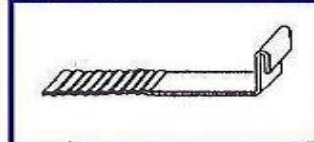
BA-103/1



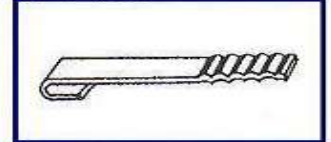
BA-105



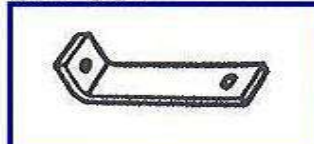
BA-106



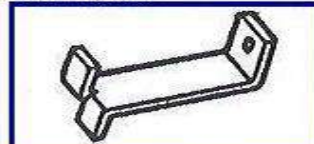
BA-107



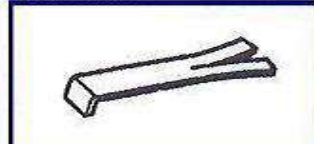
BA-301



BA-302



BA-303



BA-304



BA-305



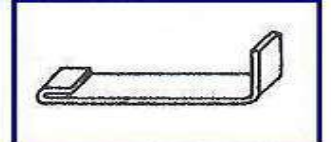
BA-306



BA-307



BA-308





Dimension :

* **Corrugated Angle :**

Size: 30 x 40 x 200 x 1.5 mm / 2 mm / 3 mm Thickness .

Size: 40 x 50 x 200 x 1.5 mm / 2 mm / 3 mm Thickness .

* **Corrugated Plate :**

Size: 30 x 200 x 1.5 mm / 2 mm / 3 mm Thickness .

Size: 40 x 200 x 1.5 mm / 2 mm / 3 mm Thickness .

* **Other sizes can be supplied upon request .**



Distributed by

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

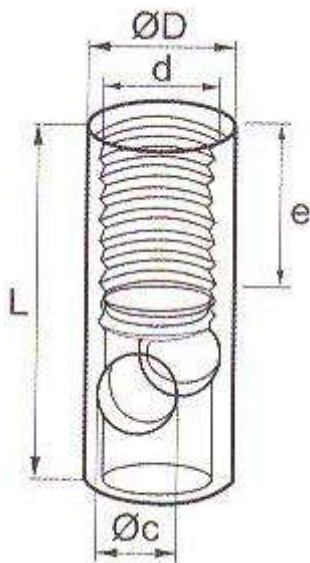
**Made in
Saudi Arabia**



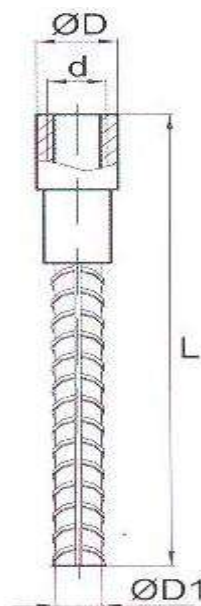
LIFTING SYSTEM

DESCRIPTION

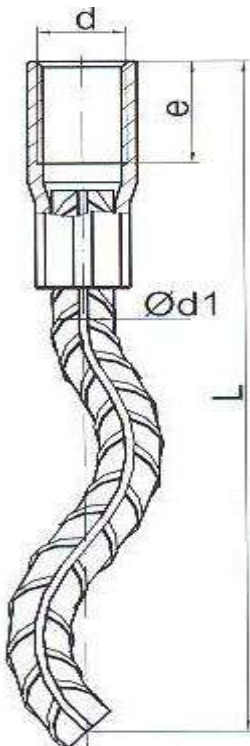
We provide a complete cast-in anchoring system, from various cast-in anchors, lifting devices to plastic accessories as well as technical support. Casting in the anchors into the concrete with advanced plan will save a lot of site time consuming on drilling, cutting et.. Which traditional expansion anchors suffer, and reliable lifting and fixing can be ensured.



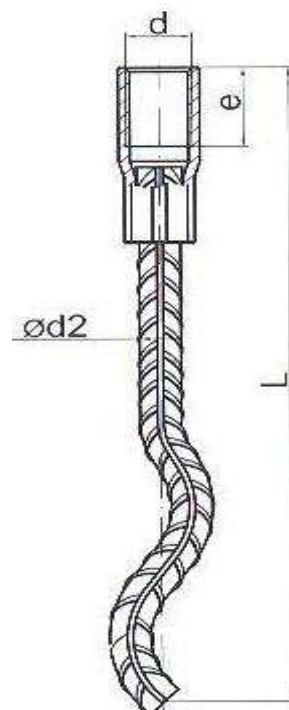
LIFTING SOCKET



BAR ANCHOR



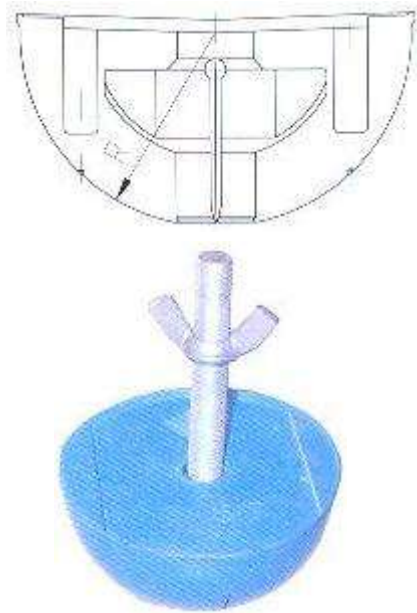
WAVY TAIL ANCHOR



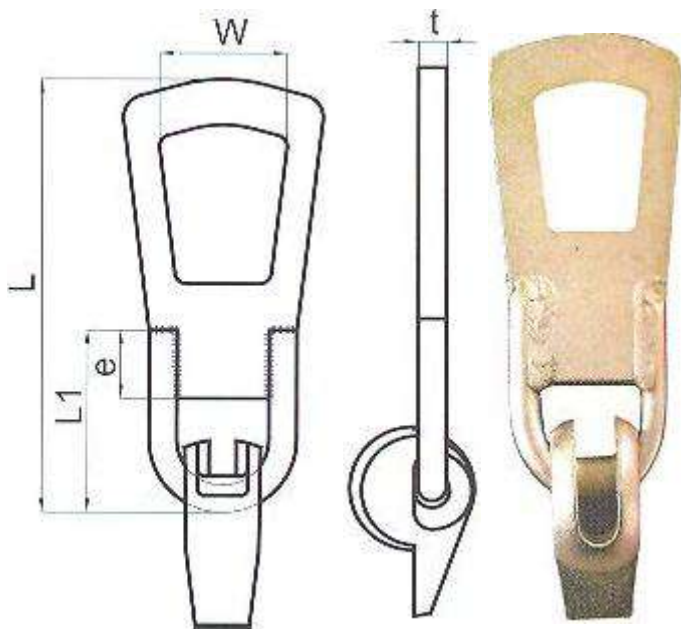
WAVY TAIL ANCHOR LONG



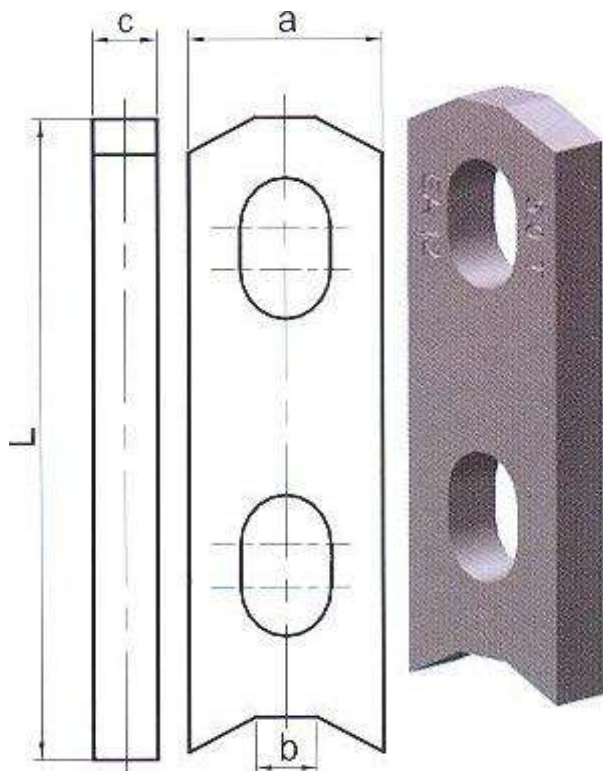
LIFTING LOOP & EYEBOLT



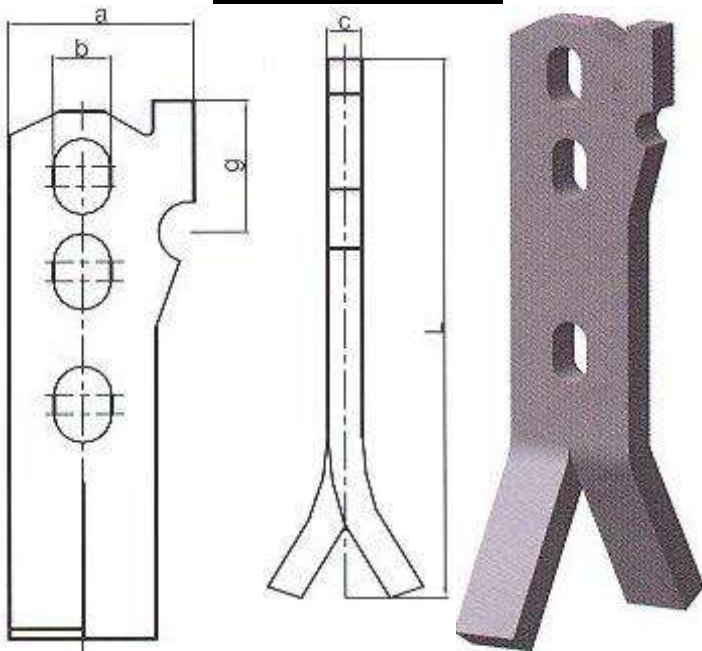
ROUND RECESS FORMER



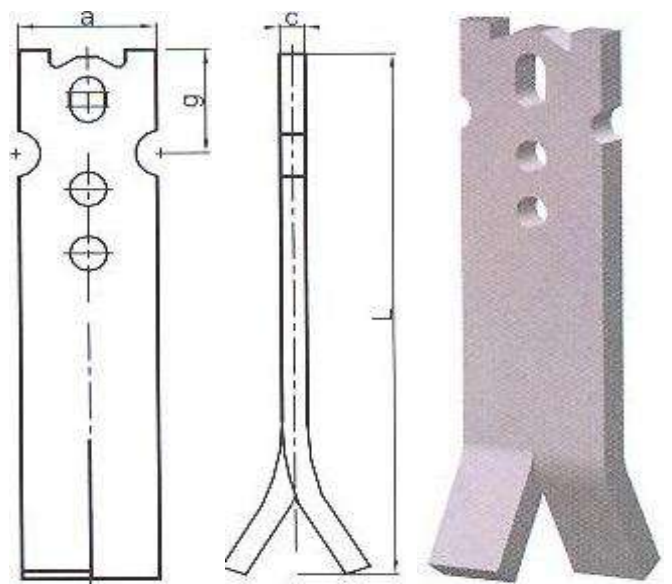
LIFTING CLUTCH



TWO HOLE ANCHOR



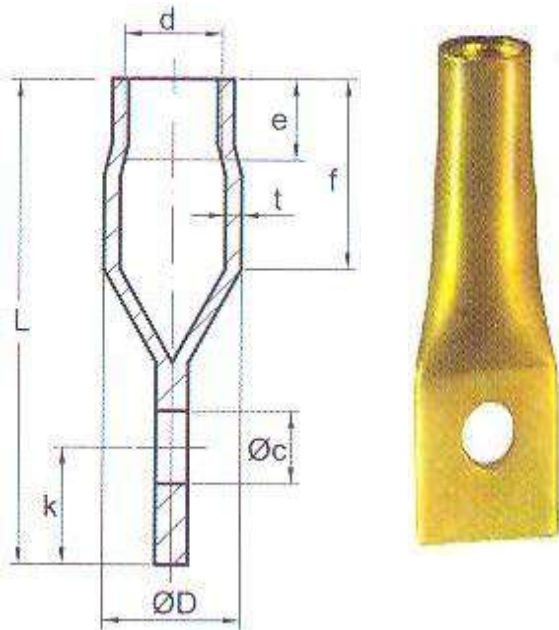
UNILATERAL ERECTION ANCHOR



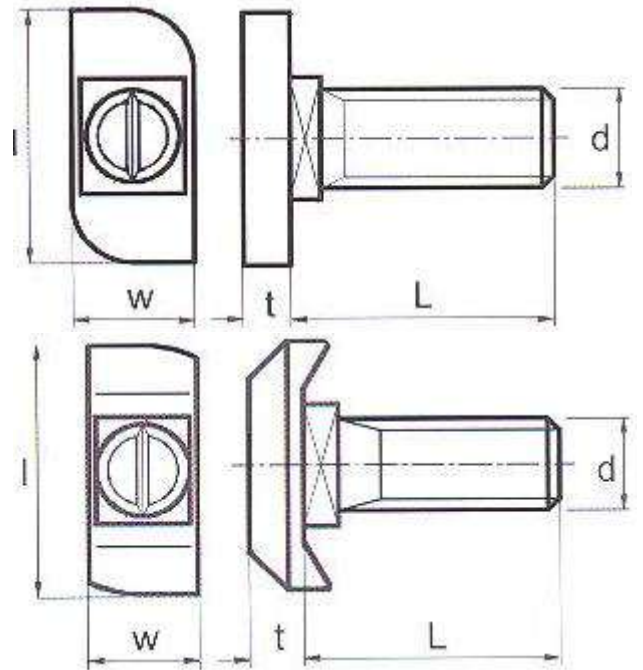
ERECTION ANCHOR



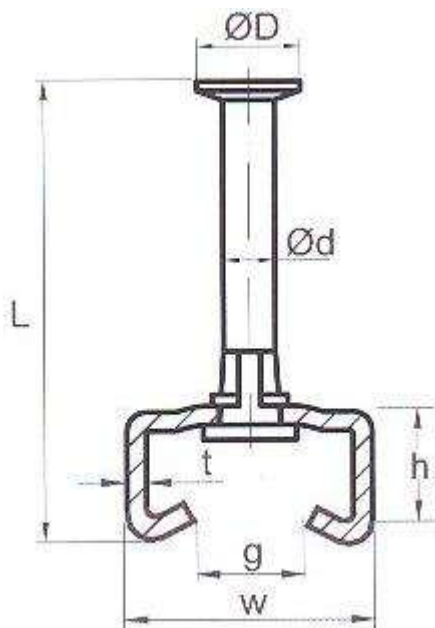
LIFTING SYSTEM



FIXING SOCKET DOWEL



T-BOLTS





ANCHOR CHANNEL






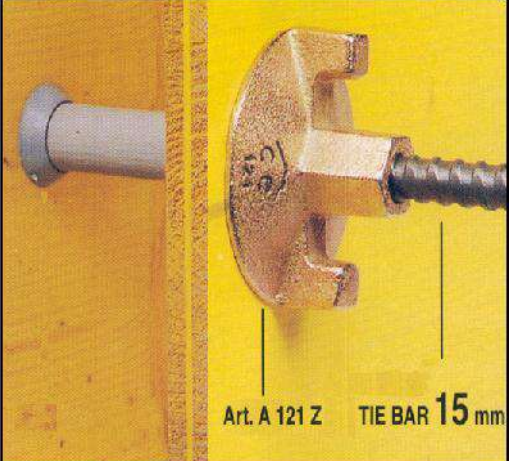


TOP SERIES
FORMWORK
LOCKING DEVICES

FOR 15 mm TIE BARS

WING NUT 	-	Base plate diameter (mm)	60	WING NUT WITH BASE PLATE 
	30	Nut wrench (mm)	30	
	58	Thread length (mm)	52	
	0.410	Weight (kg)	0.500	
	90	Load (kN)	90	
ART: A 124 Z	GM C Z NS		NS Z C GM	ART: A 126 Z

WING NUT WITH BASE PLATE 	80	Base plate diameter (mm)	100	WING NUT WITH BASE PLATE 
	30	Nut wrench (mm)	30	
	52	Thread length (mm)	52	
	0.625	Weight (kg)	0.800	
	90	Load (kN)	90	
ART: A 128 Z	GM C Z NS		NS Z C GM	ART: A 121 Z

WING NUT WITH BASE PLATE 	123	Base plate diameter (mm)		
	30	Nut wrench (mm)		
	52	Thread length (mm)		
	1.050	Weight (kg)		
	90	Load (kN)		
ART: A 133 Z	GM C Z NS			Art. A 121 Z TIE BAR 15 mm


GM RAW MATERIAL
Malleable cast iron
B35-10

C THREADING
Casted thread


NS WELDABILITY
Not weldable

Z EXTERNAL FINISH
Electrolytic zinc
12 micron

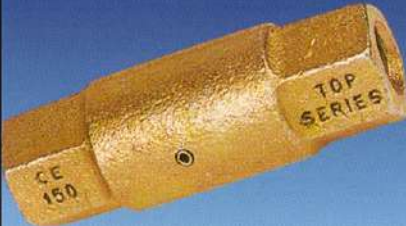
HEXAGON NUT		30	Nut wrench (mm)
		25	Thread length (mm)
		0.110	Weight (kg)
		-	Load (kN)
			Galvanized
M	S	AVP	ART: A 183
			Z




HEXAGON NUT		30	Nut wrench (mm)
		50	Thread length (mm)
		0.220	Weight (kg)
		90	Load (kN)
			Galvanized
			ART: A 105
			Z
			AVP S




CONNECTION SLEEVE		37	Diameter (mm)
		30	Nut wrench (mm)
		105	Length (mm)
		0.550	Weight (kg)
		90	Load (kN)
			Galvanized
			ART: A 150 Z
			GM C Z NS



HEXAGON NUT		-	Nut wrench (mm)
		30	Thread length (mm)
		70	Length (mm)
		0.310	Weight (kg)
		110	Load (kN)
			Galvanized
			ART: A 107
			Z
			AVP S



WATER STOP		10	Pressure bar
		110	Length (mm)
		52	Threads length (mm)
		0.720	Weight (kg)
		90	Load (kN)
			Galvanized
			ART: A 156 HP
			N C

WASHER PLATE		120 x 120	Size (mm)
		10	Thickness (mm)
		20	Hole diameter (mm)
		1.050	Weight (kg)
			Raw material
			Weldability
			Threading
			External finish
			ART: A 169 Z
			DF Z S



RAW MATERIAL		WELDABILITY	
DF	Drop forging steel	S	Weldable
GM	Malleable cast iron B35-10	NS	Not weldable
AVP	Steel UNI 4838 / 80		
THREADING		EXTERNAL FINISH	
C	Casted thread	Z	Electrolitic zinc 12 micron
M	Machined thread	N	Black, not galvanized

Agent in Saudi Arabia

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

MADE IN INDIA





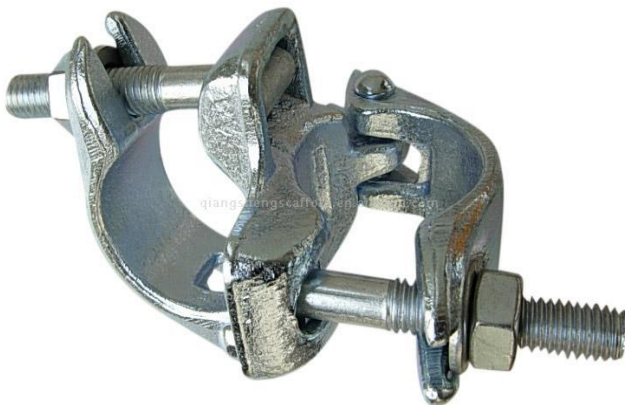
Scaffolding Accessories



Double Clamp (Fixed)



Swivel Clamp (Moving)



Drop Forged Coupler (Fixed)



Drop Forged Coupler (Moving)



Sleeve Coupler



C - Clamp (Gamtha)



Adjustable Base Jack



Adjustable 'U' Head Jack



Universal Jack



Adjustable Props



Distributed By

WAMCO

P. O. Box No. 57644,
Riyadh – 11584, Saudi Arabia
Tel.: 476 6785
Fax: 479 2189

Made in India



WAMBOARD

Description

Polypropylene Corrugated Plastic Sheet, is composed of two outer layers and a vertical flute connecting these two surfaces. This plastic sheet is the building material that serves so many functions, only your imagination is the limit our standard sheet has been treated to allow for excellent adhesion. It is also extremely durable because it is waterproof and resistant to stains and most chemicals. Applies to a wide range of extruded twinwall plastic sheet products produced from a high impact polypropylene copolymer. Special products that require additives include: ultra violet protection, anti-stat, flame retardant, static-dissipative, etc.

Protection for Marble and Granite Tiles

SPECIFICATIONS OF CORRUGATED POLYPROPYLENE PLASTIC SHEET:

Item Description:	3PLY Polypropylene Corrugated Plastic Sheet
Size: (L x W)	2000mm x 1000mm
Thickness:	3 mm
GSM:	500 gsm
Heat Distortion Temperature	80°C
Corona Treatment Level	40 dynes/cm2 (minimum)
General Properties	Waterproof
	Impact Resistance
	Resistance against alkalis, acids, and salts
	Flexibility and Strength
	Easily fabricated and reshaped
	Reusable up to 3 to 4 times

**** Also available in 4mm, 5mm and 6mm thickness*

