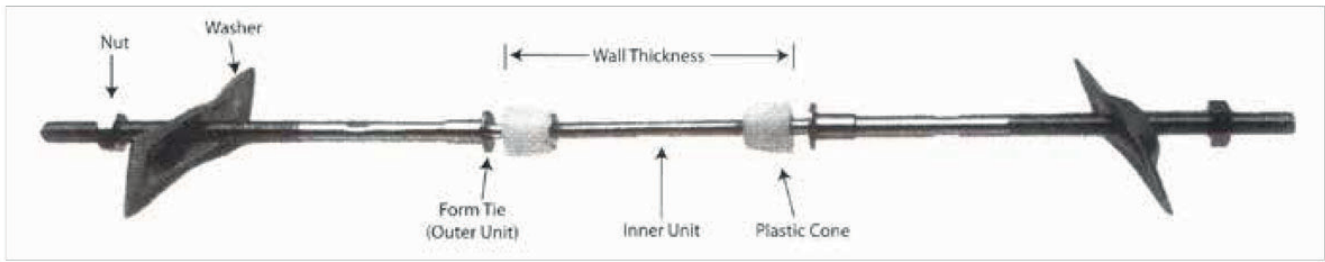


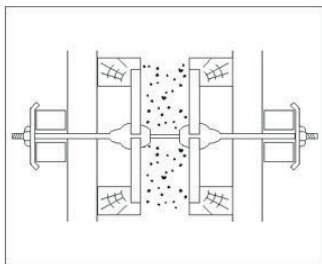


Formwork System

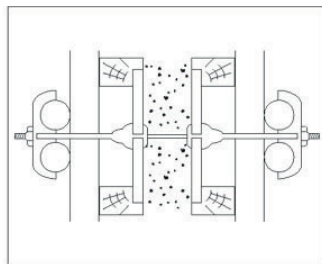
- FORM TIE FORMWORK SYSTEM
- PLASTIC CONE
- WASHER
- DYWIDAG SYSTEM FORMWORK



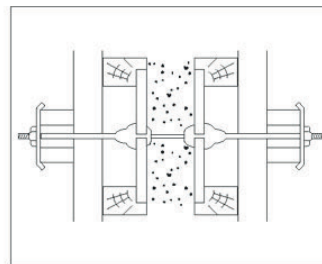
The Form Tie System prevents breakage in the formwork, thus keeping concrete structures placed with ease of assembly and removal, it does saving cost with reusable parts except inner unit which is casted into the wall.



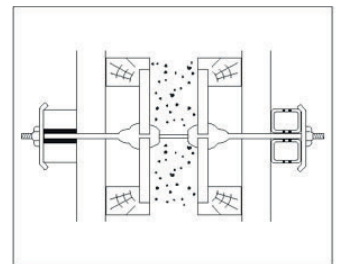
B Type



C Type



BC Type



D Type

COMPLETE SET OF FORM TIE:



Form Tie B Type

Consists of: Form Tie C 2 pcs. Inner Unit B 1, Cone 2, Washer 2, Nut 2



Form Tie C Type

Consists of: Form Tie C 2 pcs. Inner Unit C 1, Washer 2, Nut 2



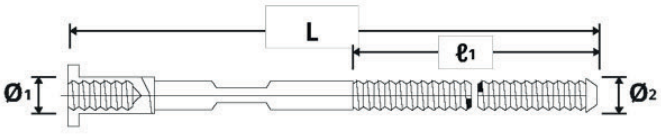
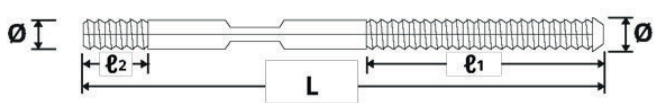
Form Tie BC Type

Consists of: Form Tie C 2 pcs. Inner Unit BC 1, Cone 2, Washer 2, Nut 2



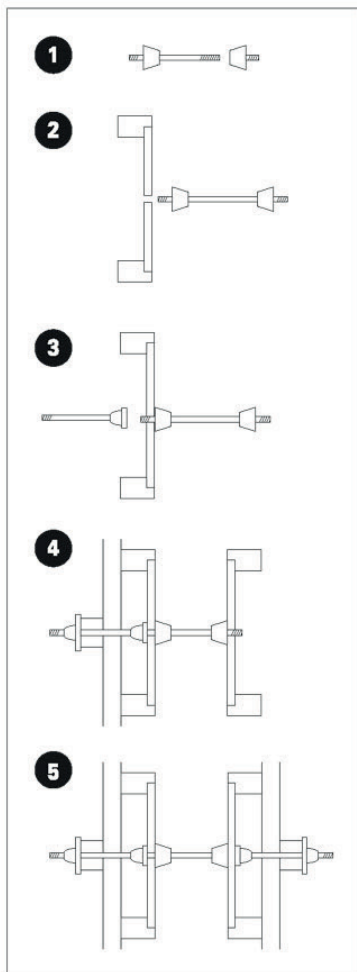
Form Tie D Type

Consists of: Form Tie D 2 pcs. Inner Unit D 1, Cone D2, Washer 2, Nut 2

Type	Lm/m	ℓ ₁ m/m	Remark	
Form Tie C (Common to B, C & BC) 	310	145	$\text{Ø}_1 = W \frac{5}{6}$ $W \frac{3}{8}$ $\text{Ø}_2 = W \frac{1}{2}$ with a nut	
	250	145		
	210	120		
	180	95		
	150	95		
Form Tie D 	Lm/m	ℓ ₁ m/m	ℓ ₂ m/m	$\text{Ø} = W \frac{1}{2}$ with a nut
	360	120	80	
	300	120	80	
	250	120	80	

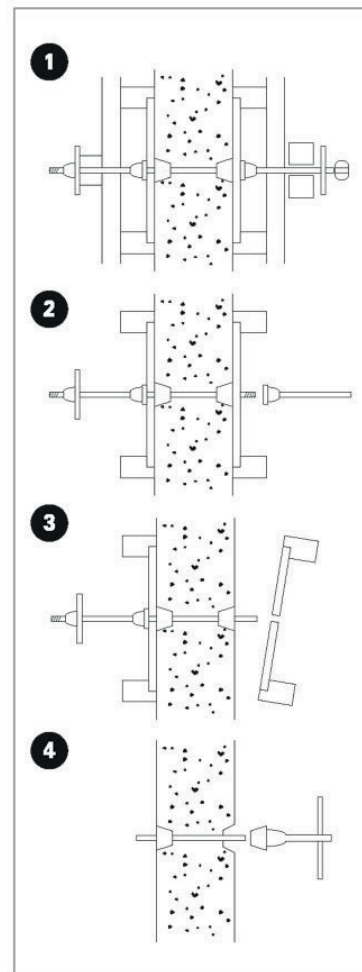
ASSEMBLY & DISMANTLING OF FORM TIE

Assembly of Form Tie



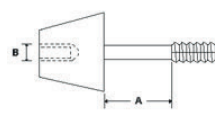
1. Plastic cone to be attached to both ends of Inner Unit.
2. Drill a Ø12mm hole for the passage of plastic cone exit at a prescribed location in the panel before hand.
3. Insert the Inner Unit from the inner panel and screw on the Form Tie.
4. Erect the studs successively. Apply the flat Rib Washer to the wales and tighten with nuts.
5. Repeat the same procedure for the outer panel.

Dismantling of Form Tie


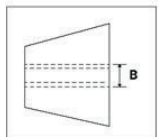


1. Loosen nuts and remove the batten (stud).
2. Remove Form Tie.
3. Take off panel.
4. Remove plastic cone from concrete surface. Plastic cone hole is filled up by cement mortar.



Panel	Diagrams		Remark
	A (m/m)	B	
Metal Form	For Metal	W5/16	a) There are two diameters for inner units i.e. W5/16 & W3/8 b) A-Panel thickness B-Inner unit Diameter 
		W3/8	
Ply Wood Panel	12	W5/16	
		W3/8	
	16	W5/16	
		W3/8	
24	W5/16		
	W3/8		

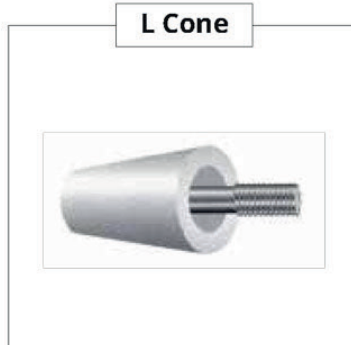
Type D

Metal - 12, 16, 24 m/m (A m/m)
Inner Unit W1/2 is only used
D 12 x 40 mm



It is used to seal the hole which is made because the cone is removed after the concrete has set



L 50 x 9 x 12 mm



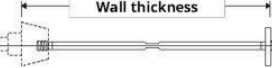
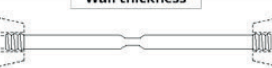


For the leaning panel constructure

INNER UNIT

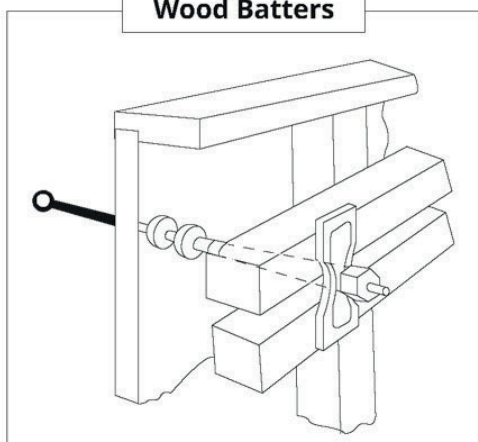
Inner unit for all sizes can be made and supplied upon request depending on required wall thickness.

Inner Unit Specification

Type	Dimension Diagrams	Use
Inner Unit B		Both sides exposed W5/16 W3/8
Inner Unit C		Both sides finished W5/16
Inner Unit BC		One side finished and other side exposed W5/16
Inner Unit D		Both sides exposed W1/2

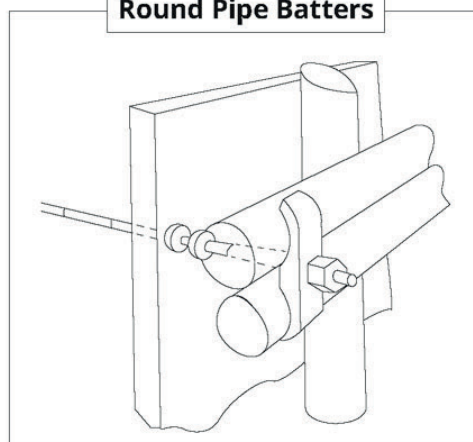
FLAT RIB WASHER

Wood Batters



(Wales & Studs)

Round Pipe Batters



(Wales & Studs)

ACCESSORIES



Flat Rib Washer

200 x 55 / 150 x 55 / 105 x 55



Form Tie Spanner

To be used to fasten Form Tie and Inner Unit and remove them



Box Spanner D and B

To be used to remove cone



Slab Joints 9mm



3-Shape Rib Washer



Rubber Ring 9mm/12mm



Square Pipe Washer

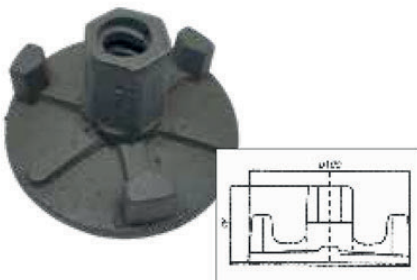
Dywidag form ties are suitable for most board formwork. Their high load bearing capacity, produced by the forged design, permits high loadability and large tie spacing with long life spans.



Steel Tie Rod, Dywing \varnothing 15mm
Quality: ST 885/1080



Steel Tie Rod, \varnothing 15mm
Weldable, flexible
(d max 17mm, d min 15mm)



Anchor/Tie Nut 100mm
Forged with DYWIDAG thread.
Support surface 100mm



Wing Nut D 15
With two wings, forged with
DYWIDAG thread.



Hexagonal Nut D 15
Length: 30mm, 50mm, 70mm

EQUIPMENT DYWIDAG \varnothing 15MM IN USE



Connecting System D 15
Tie Rod D 15 Plastic Tube Counter Plates,
reinf. Wing Nut Plastic Cones.



Connecting System D 15
Tie Rod D 15 Waterstop-Centre with large
disc Plastic Tubes Counter Plates, reinf.
Wing Nut Hexagonal Nut, Plastic Cones.



Connecting System D 15
Tie Rod D 15 Steel Cones Counter Plates,
reinf. Wing Nut.



Connecting System D 15
Tie Road D15 Waterstop Centre with small
disc Steel Cones Counter Plates, reinf. Wing
Nut Hexagonal Nut.