

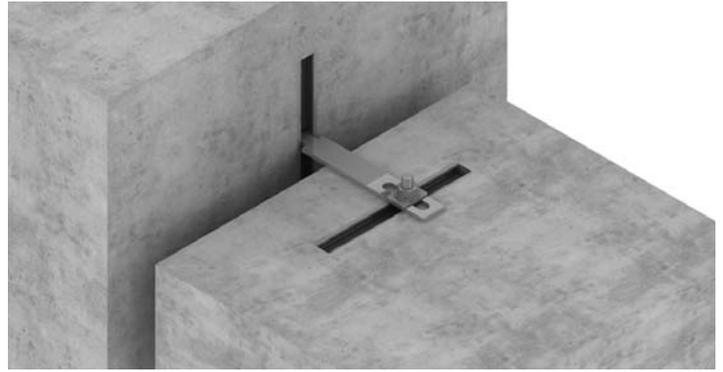
Wall Ties - Introduction & Product Details

The **HWT** Wall ties provide secure and easy connections between concrete components, where anchor channels are embedded.

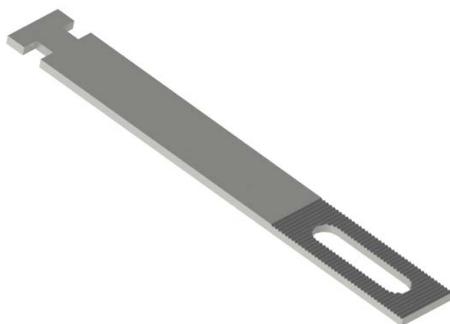
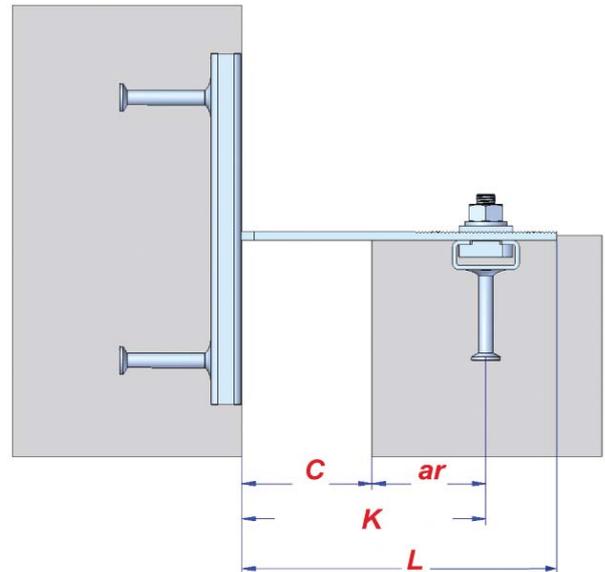
Serrated wall ties and compatible serrated washers enable safe transmittal of tensile loads.

Wall ties are used with cast in channels and T head bolts to achieve three dimensional adjustability for restraining attachments of prefabricated concrete components.

Wall ties are available in stainless steel EN 1.4301 & EN 1.4401 and hot dip galvanized EN 1.0038 grade steel.



HWT - Wall Tie



Product Code	Projection +20 (K mm)	Cavity +20 (C mm)	Length (L mm)	Tensile Load all.F (kN)	Edge Distance (ar mm)	Slotted Hole (mm)
HWT - 28-50	50	0	90	3.5	50	11x55
HWT - 28-75	75	25	115			
HWT - 28-100	100	50	140			
HWT - 28-125	125	75	165			
HWT - 28-150	150	100	190			
HWT - 28-175	175	125	215			
HWT - 28-200	200	150	240			

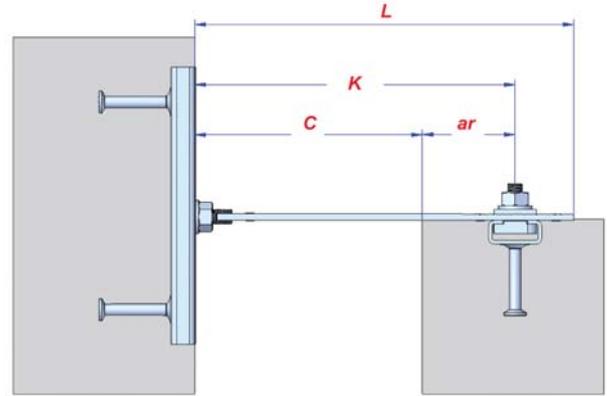
•To be used with HMPR-28/15 channels and HTB-28/15-M10x40 T Bolts.

HWT - 38-75	75	0	115	7.0	75	13x55
HWT - 38-100	100	25	140			
HWT - 38-125	125	50	165			
HWT - 38-150	150	75	190			
HWT - 38-175	175	100	215			
HWT - 38-200	200	125	240			

•To be used with HMPR-38/17 channels and HTB-38/17-M12x50 T Bolts.

Wall Ties - Product Details

HWT-B Wall Tie



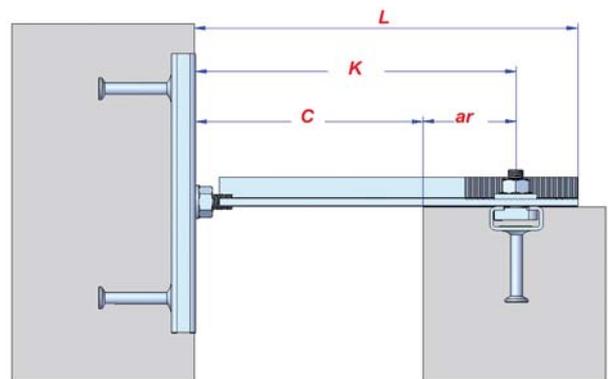
Product Code	Projection +20 (K mm)	Cavity +20 (C mm)	Length (L mm)	Tensile Load F (kN)	Edge Distance (ar mm)	Slotted Hole (mm)
HWT-B-28-75	75	25	115	3.5	50	11x55
HWT-B-28-100	100	50	140			
HWT-B-28-125	125	75	165			
HWT-B-28-150	150	100	190			
HWT-B-28-175	175	125	215			

•To be used with HMPR-28/15 channels and HTB-28 M10x40 T Bolts.

HWT-B-38-100	100	25	145	7.0	75	13x55
HWT-B-38-125	125	50	165			
HWT-B-38-150	150	75	195			
HWT-B-38-175	175	100	220			

•To be used with HMPR-38/17 channels and HTB-38 M12x50 T Bolts.

HWT-U Wall Tie



Product Code	Projection +20 (K mm)	Cavity +20 (C mm)	Length (L mm)	Tensile Load all. F(kN)	Edge Distance (ar mm)	Slotted Hole (mm)
HWT-U-38-200	200	125	245	7.0	75	13X60
HWT-U-38-225	225	150	270			
HWT-U-38-250	250	175	295			

•To be used with HMPR-38/17 channels and HTB-38 M12x50 T Bolts

HWT-U-49-200	200	50	245	12.0	150	17X60
HWT-U-49-225	225	75	270			
HWT-U-49-250	250	100	295			
HWT-U-49-275	275	125	320			
HWT-U-49-300	300	150	345			

•To be used with HMPR-49/30 channels and HTB-49 M16x60 T Bolts.

Wall Ties for Masonry & Brick Tie Channel Introduction

HWT-M Wall ties are used for restraining connections of masonry and brick facing claddings on to the backing wall. Connections to substrate can be made either with cast in channels or surface fixed framing channels.

HWT-M type wall ties are designed for restraint attachments of both masonry wall facades and masonry walls to load bearing walls. The sliding capability of the ties along the length of the channels decreases the risk of the masonry cracking due to structure movements.

The wall ties are inserted on the channel at desired points and are positioned by turning the ties 90 degrees clockwise. The perforated holes in the wall ties allow mortar filling to improve bonding.

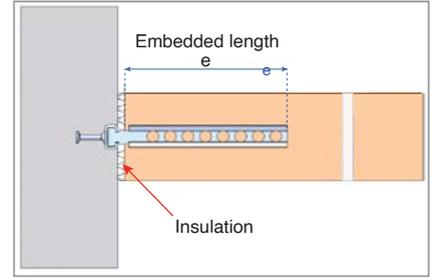
Wall ties for masonry are available in stainless steel 1.4301 (AISI 304) & 1.4401 (AISI 316).

MAS-25/15 Brick tie channels are cold rolled pre-galvanized channels that have punched lugs on the back of the channels. This channel provides the same loading performance as the 28/15 and is an economic option for use in restraining brick walls on to concrete.

Lugs are punched out every 250 mm and the channels are supplied with a strip filler.

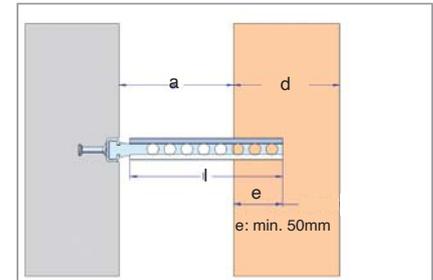
A debonding sleeve is used as a cover for the wall ties. This enables the wall tie to accommodate longitudinal movement in the direction of the tie. This is ideal when installing long masonry walls to concrete walls or when tying in large span infill walls to floor slabs. Debonding sleeves allow room for movement and prevents any cracking of the masonry walls.

HWT-M Wall Tie

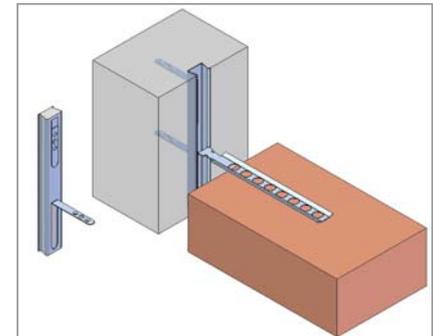


- Wall ties can be used for masonry wall connections fixed to load bearing walls. Embedding length (e) is achieved with the length of the wall tie.

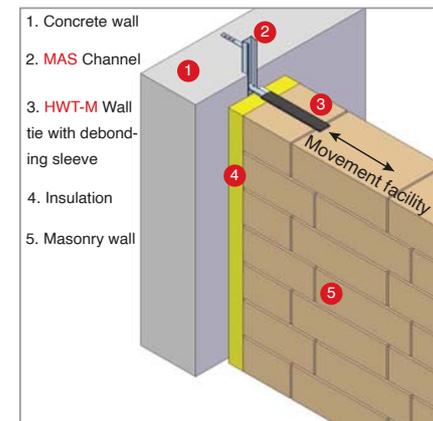
- Wall ties can be used on masonry facade cladding. A minimum embedded length of 50 mm should be applied. The embedded length (e) is determined by correctly setting the length of the wall tie (L) and the masonry block width (d).



MAS-25/15 Brick Tie Channel

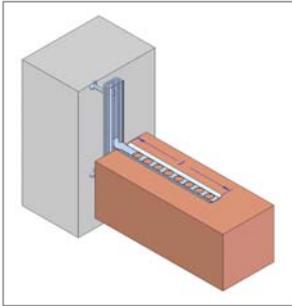


- Lugs are prepunched on the back of the channel at 250 mm centres. The lugs are easily bent out on site prior to the casting of concrete.

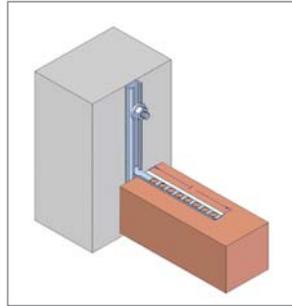


- Wall ties are easily inserted into the debonding sleeves before installation is made.

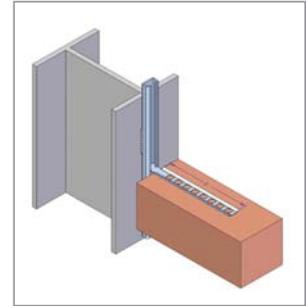
Wall Ties for Masonry - Product Details



• HWT wall ties can be used with cast in channels type 28/15 and 38/17.



• Connections on to surface fixed HMP channels type 28/15 and 38/17 can also be made.



• HMP channels can be welded on to structural steel to allow wall tie connections.

HWT-MS - Wall Tie



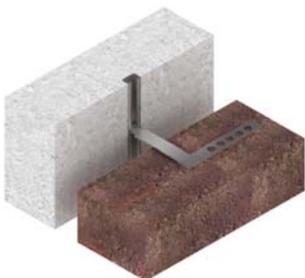
Product Code	Length (mm)	Thickness (mm)	Width (mm)	Channel Type	Tensile Load (Kn)	Compression Load (Kn)
HWT-MS 28 -125	125	1.25	25	28/15	2.5	1.4
HWT-MS 28 -185	185	1.25	25			
HWT-MS 28 -245	245	1.25	25			

HWT-MV - Wall Tie



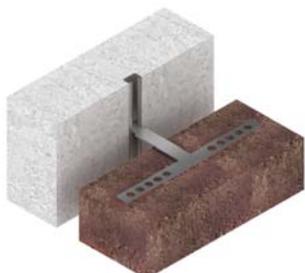
Product Code	Length (mm)	Thickness (mm)	Width (mm)	Channel Type	Tensile Load (Kn)	Compression Load (Kn)
HWT-MV 28 - 85	85	2	26	28/15	3.2	2.7
HWT-MV 28 -120	120	2	26			
HWT-MV 28 -180	180	2	26			
HWT-MV 38 - 85	85	2	30	38/17	3.2	2.7
HWT-MV 38 -120	120	2	30			
HWT-MV 38 -180	180	2	30			

HWT-ML - Wall Tie



Product Code	Length (mm)	Thickness (mm)	Width (mm)	Channel Type	Tensile Load (Kn)	Compression Load (Kn)
HWT-ML 28 - 85	85	3	25	28/15	3.2	2.7
HWT-ML 28 -120	120	3	25			
HWT-ML 28 -180	180	3	25			
HWT-ML 38 - 85	85	3	30	38/17	3.2	2.7
HWT-ML 38 - 120	120	3	30			
HWT-ML 38 - 180	180	3	30			

HWT-MT - Wall Tie



Product Code	Length (mm)	Thickness (mm)	Width (mm)	Channel Type	Tensile Load (Kn)	Compression Load (Kn)
HWT-MT 28 - 85	85	3	25	18/15	3.2	2.7
HWT-MT 28 -120	120	3	25			
HWT-MT 28 -180	180	3	25			
HWT-MT 38 - 85	85	3	30	38/17	3.2	2.7
HWT-MT 38 -120	120	3	30			
HWT-MT 38 -180	180	3	30			