

HAZ METAL FIXING SYSTEMS

Your Fixing Systems Specialist



HAZ 21 Restraints

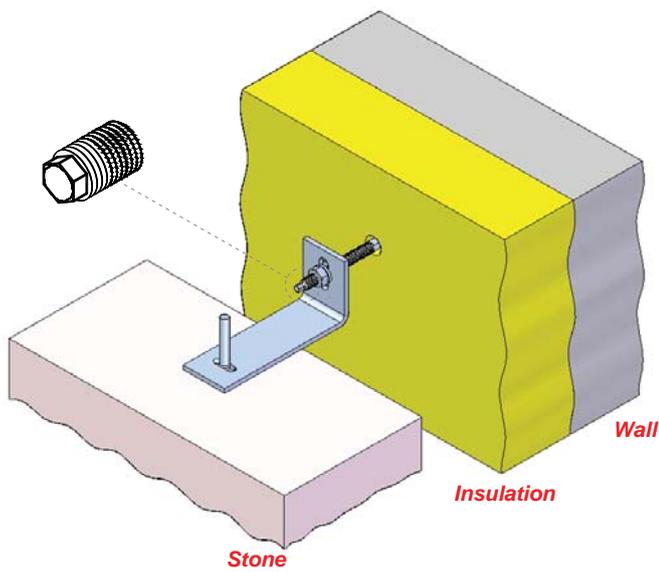
Product Brochure
HAZ-BR-RST-EN/08.18

Adjustable Restraint For Stone Supplied Pre-Assembled

To meet the ever-increasing demand for efficiently insulated buildings, it has become virtually standard practice to provide insulation boards within the cavity of the external wall. The HAZ anchor 21 eliminates the need for excessive cutting and damage to the insulation. With many years experience in fixing design, manufacture and stone installation HAZ have developed an anchor for the 21st century the 'HAZanchor21'.

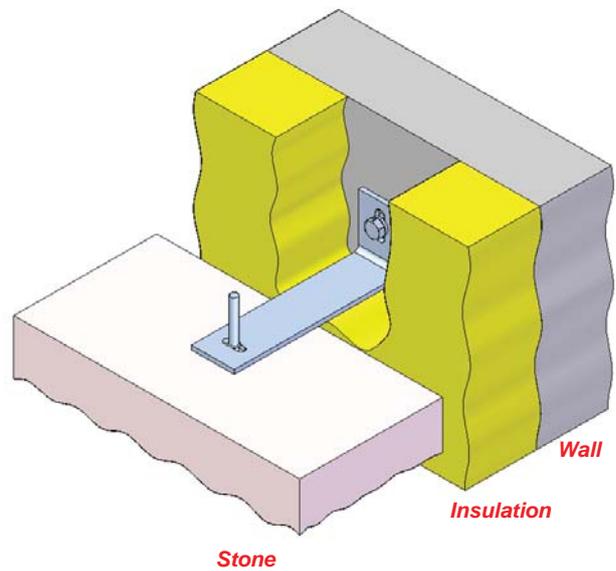
HAZ anchor 21

METHOD

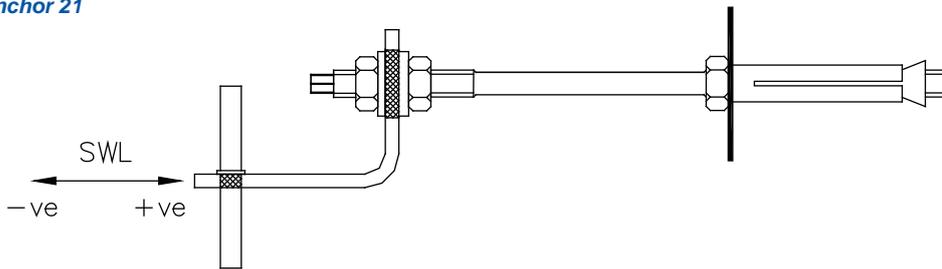


OLD

METHOD



HAZ anchor 21



HAZanchor21 Safe Working Load (SWL)

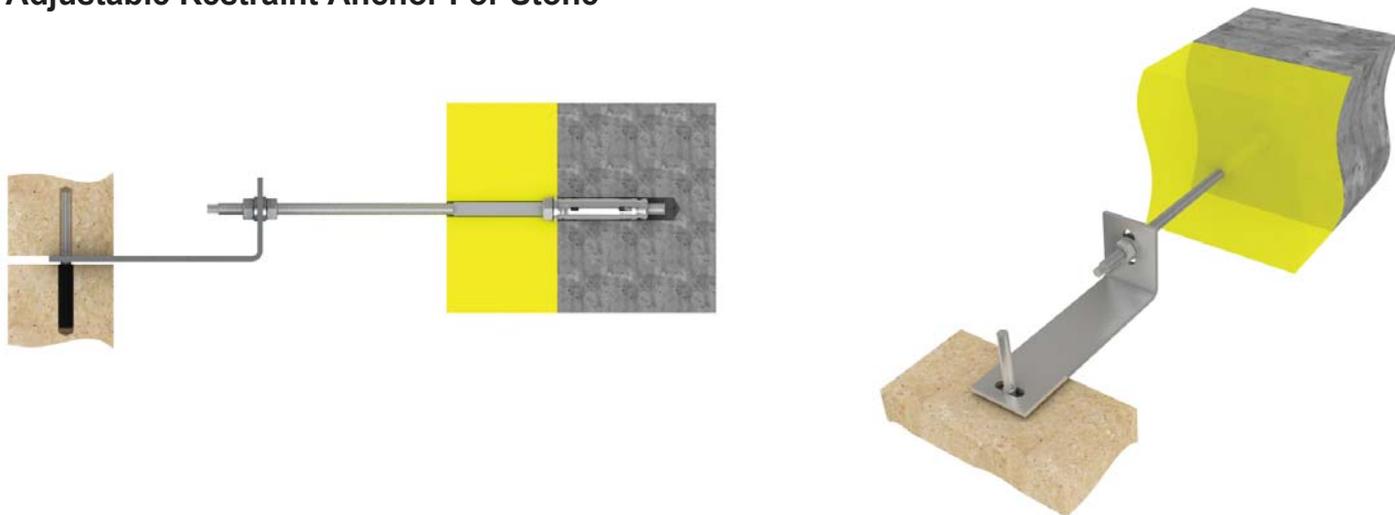
Base Material	SWL (KN)
7N / mm ² Standard Dence Block	0.75
30N / mm ² Strength class concrete	1.05

Notes:

- 1) SWL to exceed applied specified load.
- 2) SWL is calculated from the mean ultimate pullout failure of expansion bolt in the base material with safety factor of 7 for blockwork walls and a safety factor of 5 for concrete walls.

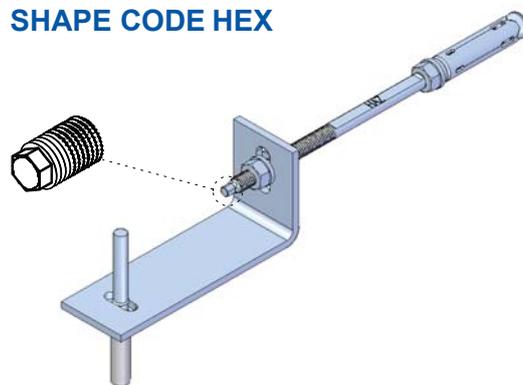
HAZ 21 Retraint Anchor

Adjustable Retraint Anchor For Stone

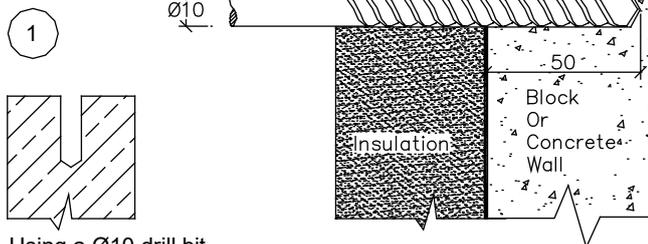


- Eliminates the necessity to cut out and replace pieces of insulation.
- Provides easy access for setting without damaging face of insulation.
- Only a $\varnothing 10$ hole required through the insulation and backing wall.
- One anchor type can be used for various insulation thicknesses.
- Can be set with standard power tools for rapid installation.
- No welding used hence no loss of strength or durability.
- Supplied fully assembled ready to use.
- Improves insulation of wall.
- Torque controllable.
- Fully adjustable.

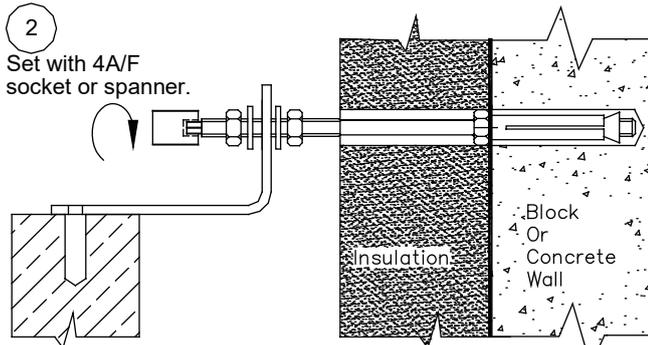
SHAPE CODE HEX



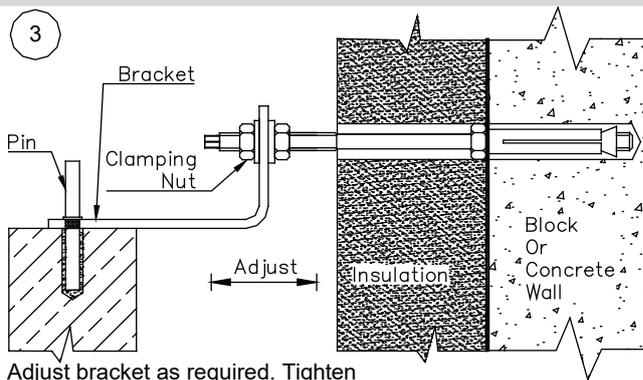
TYPICAL INSTALLATION



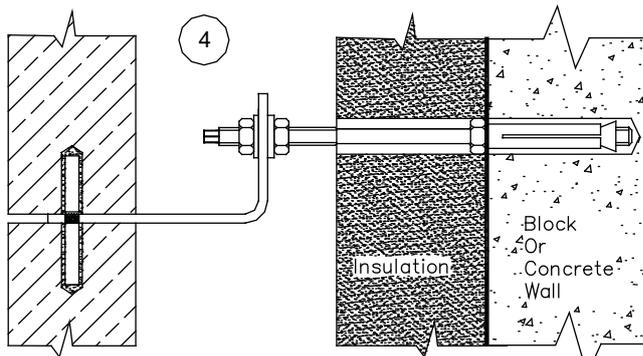
1 Using a $\varnothing 10$ drill bit drill hole through insulation and into wall.



2 Insert the HAZ anchor 21 and set. (8Nm torque is recommended).



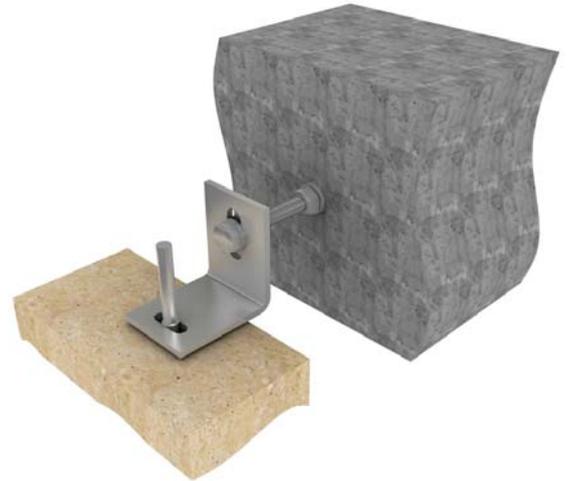
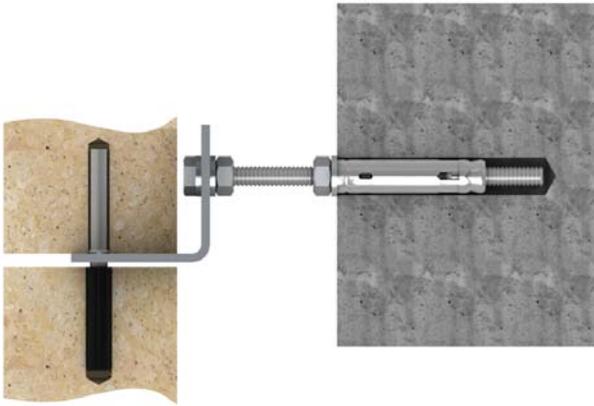
3 Adjust bracket as required. Tighten the clamping nut. Insert pin



4 Position next course of stone.

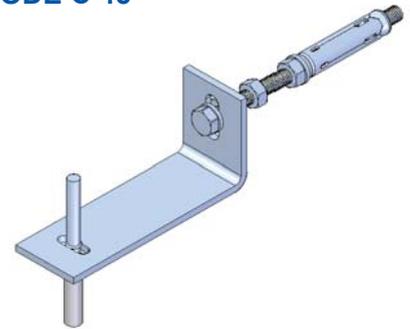
HAZ 21 - C45 Retraint Anchor

Adjustable Restraint Anchor For Stone



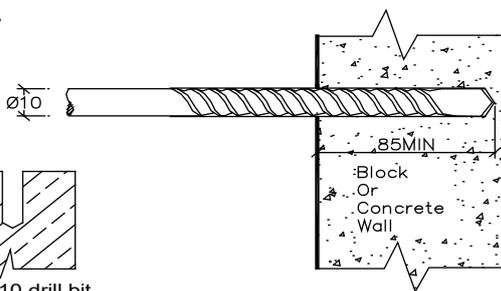
- No welding used hence no loss of strength or durability.
- Supplied fully assembled ready to use.
- Torque controllable.
- Fully adjustable.

SHAPE CODE C 45



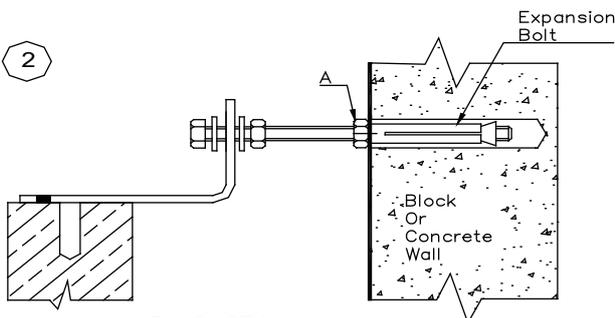
TYPICAL INSTALLATION

1



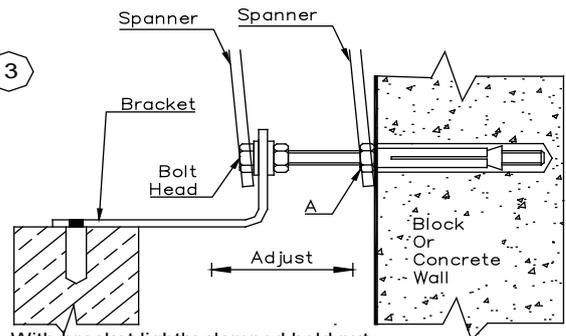
Using a Ø10 drill bit drill hole into wall.

2



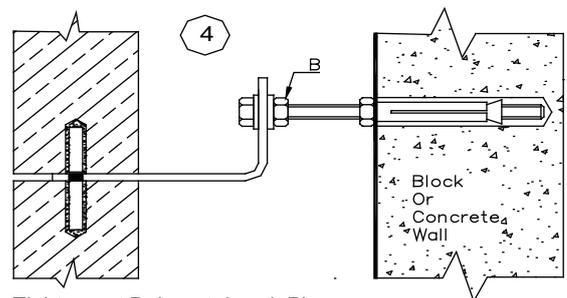
Insert the HAZANCHOR21 and tighten nut A. (8Nm torque is recommended).

3



With bracket lightly clamped hold nut A to prevent turning and turn bolt head until both the hole in the stone and bracket are aligned ensure the bracket remains lightly clamped when checking the hole alignment.

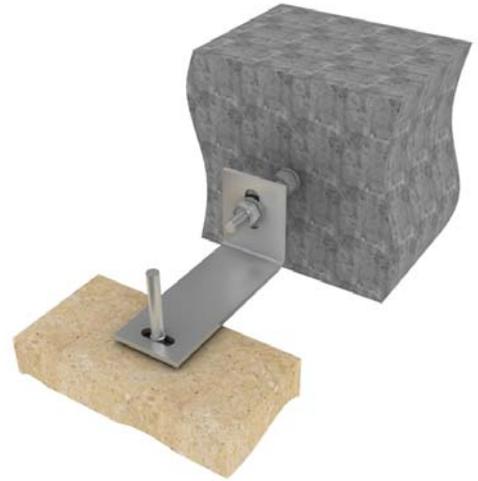
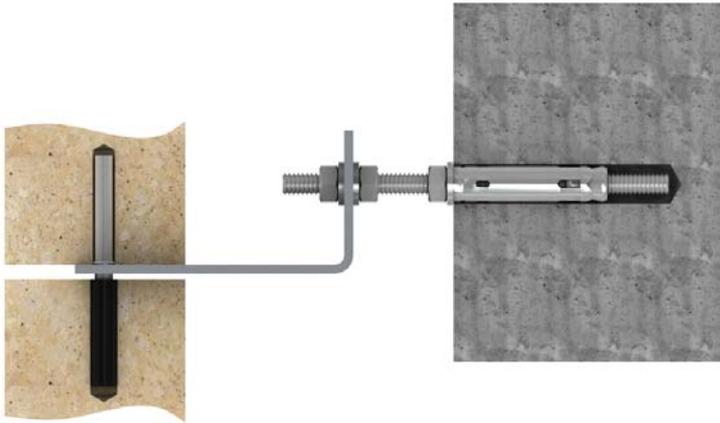
4



Tighten nut B. Insert dowel. Place next stone.

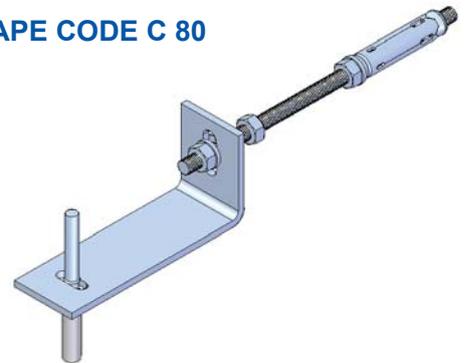
HAZ 21-C80 Retraint Anchor

Adjustable Retraint Anchor For Stone



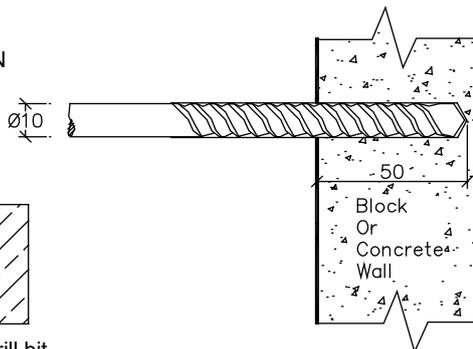
- No welding used hence no loss of strength or durability.
- Supplied fully assembled ready to use.
- Torque controllable.
- Fully adjustable.

SHAPE CODE C 80



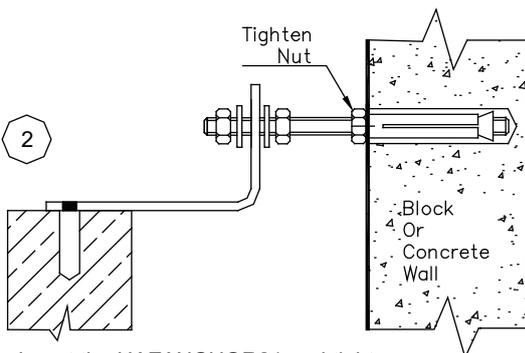
TYPICAL INSTALLATION

1



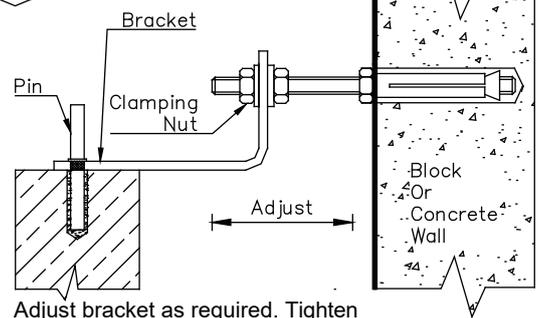
Using a Ø10 drill bit drill hole into wall.

2



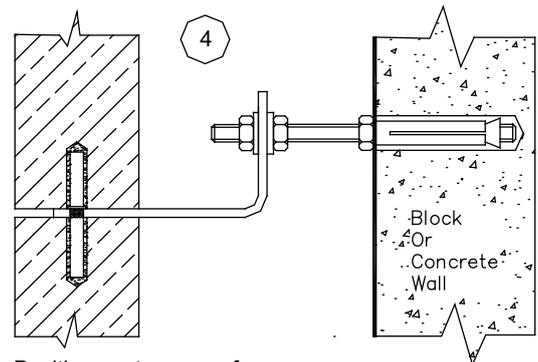
Insert the HAZANCHOR21 and tighten. (8Nm torque is recommended).

3



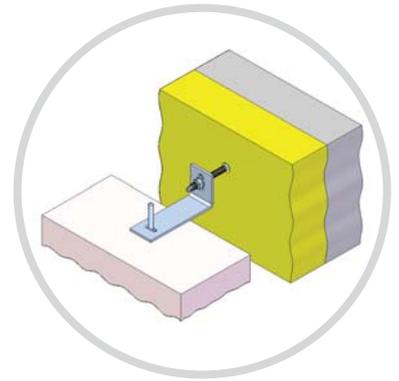
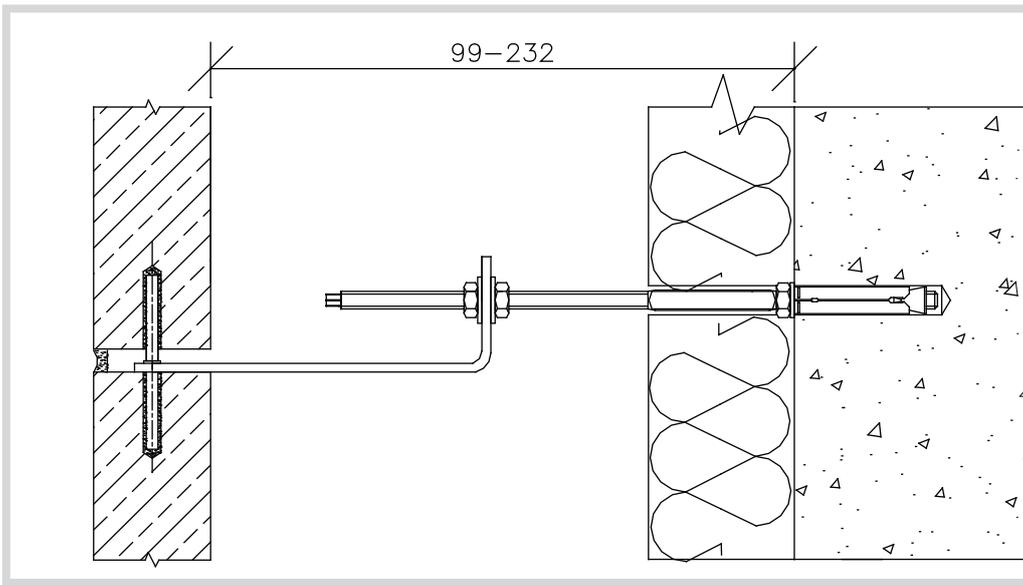
Adjust bracket as required. Tighten the clamping nut. Insert pin

4

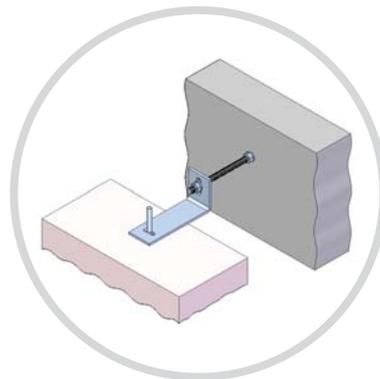
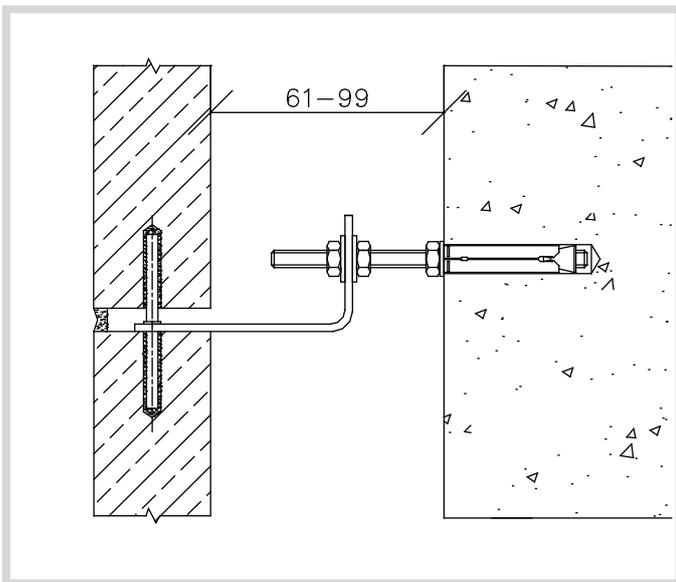


Position next course of stone.

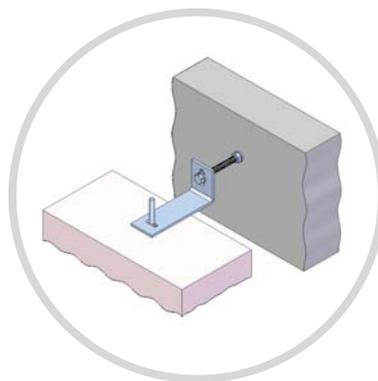
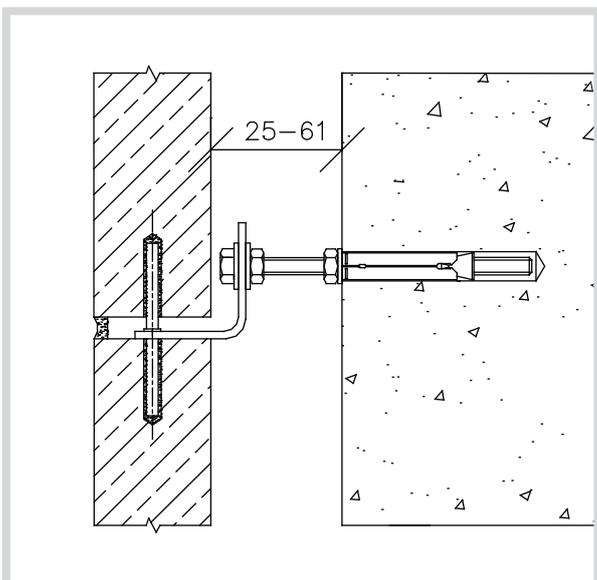
Application of HAZ anchor 21 Range



HEX



C80



C45

HAZ 21 Restraint Anchor

Technical Details

HAZanchor21 RANGE - ADJUSTABLE RESTRAINT FOR STONE CLADDING SUPPLIED FULLY ASSEMBLED READY FOR USE								
SHAPE CODE	ORDER CODE				ADJUSTMENT		CAVITY RANGE	
					+	-	Max	Min
C45	S40/C45/i0	S50/C45/i0	S75/C45/i0	S100/C45/i0	16	20	61	25
C80	S40/C80/i0	S50/C80/i0	S75/C80/i0	S100/C80/i0	19	19	99	61
HEX	S40/C107/i60	S50/C107/i60	S75/C107/i60	S100/C107/i60	8	8	115	99
HEX	S40/C131/i60	S50/C131/i60	S75/C131/i60	S100/C131/i60	16	16	147	115
HEX	S40/C179/i60	S50/C179/i60	S75/C179/i60	S100/C179/i60	32	32	211	147
HEX	S40/C110/i80	S50/C110/i80	S75/C110/i80	S100/C110/i80	5	0	112	107
HEX	S40/C118/i80	S50/C118/i80	S75/C118/i80	S100/C118/i80	5	5	123	113
HEX	S40/C134/i80	S50/C134/i80	S75/C134/i80	S100/C179/i80	10	10	144	124
HEX	S40/C166/i80	S50/C166/i80	S75/C166/i80	S100/C166/i80	21	21	187	145
HEX	S40/C200/i80	S50/C200/i80	S75/C200/i80	S100/C200/i80	32	32	232	168

Other sizes available to order

Simply specify S C and i order code required. See below.

KEY TO ORDER CODE:-

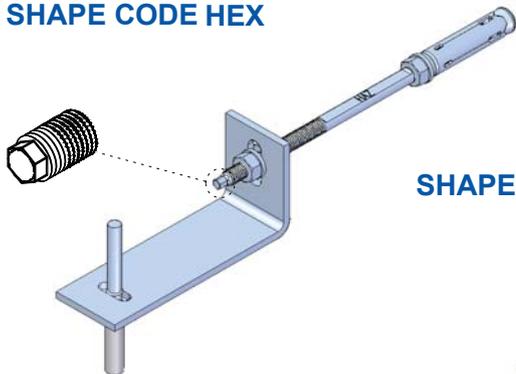
S C i

Insulation thickness Max

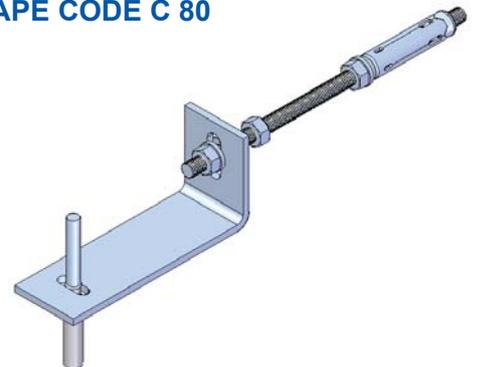
Cavity width Average

Stone thickness

SHAPE CODE HEX



SHAPE CODE C 80



SHAPE CODE C 45

