

BCI ALGÉRIE
Certification ISO 9001

International Organization for Standardization
ISO
9001

Holding



BÉTON PRÊT A L'EMPLOI



SAPCI
Depuis 1969

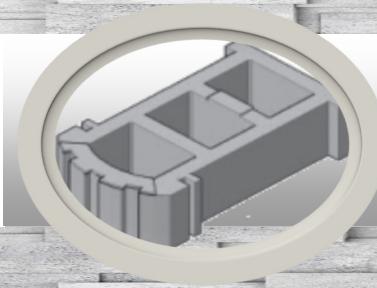
**SAPCI est votre partenaire
sur chantier pour tous vos travaux
en Béton prêt à l'emploi**

**Unité de Production BPE
Ouled Heddadj 35052
W.Boumerdès
Mob.: 0560 02 57 85**

**Centre de production de BPE
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Modular block Holding

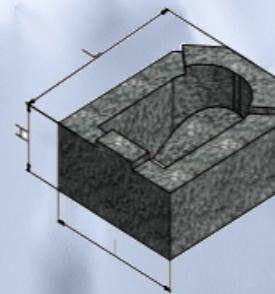
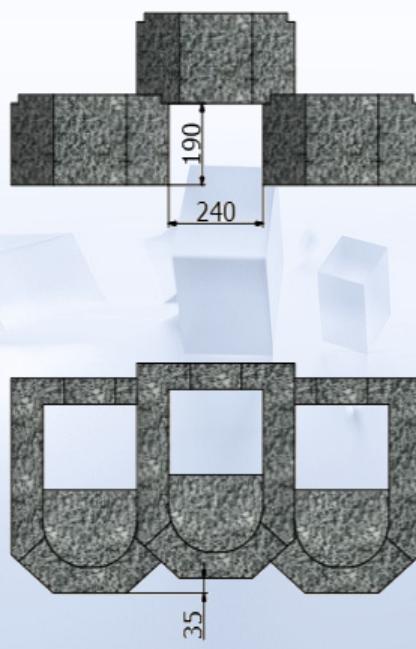


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Désignation	Dimension In cm			Unit weight In kg	Nb. by pallet	Class of concrete MPA
	H	I	L			
RET 50	25	55	50	50	60	30
RET 80	25	55	50	50	20	30
RET 100	25	55	100	100	10	30
RET 120	25	55	100	120	10	30
PA	25	38	/	/	/	30



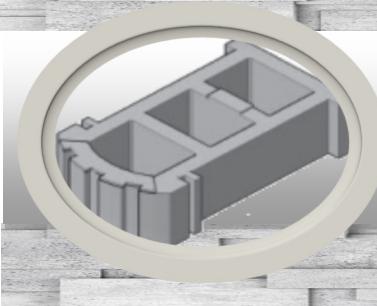
Holding RET 50



Weight: 50 Kg

Class of concrete: B30





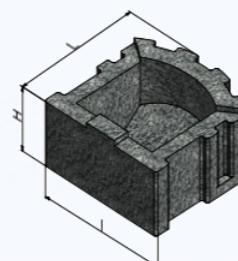
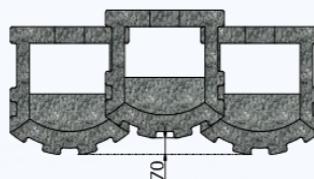
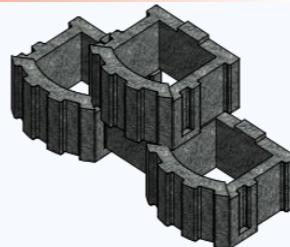
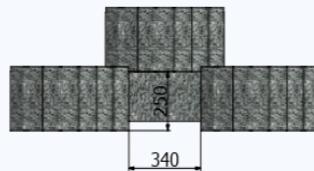
Modular block Holding



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Holding RET80

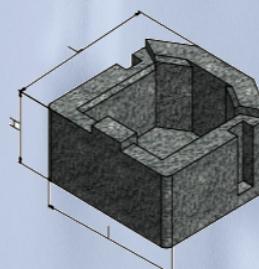
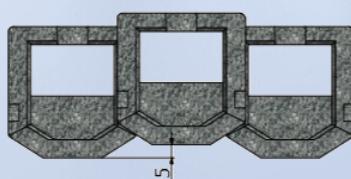
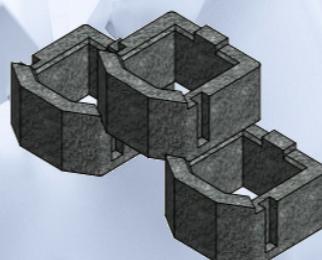


Weight: 80 Kg

Class of concrete: B30



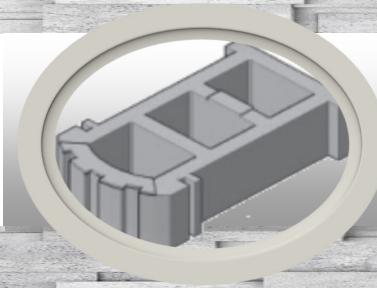
Holding RET100



Weight: 100Kg

Class of concrete: B30





Modular block Holding

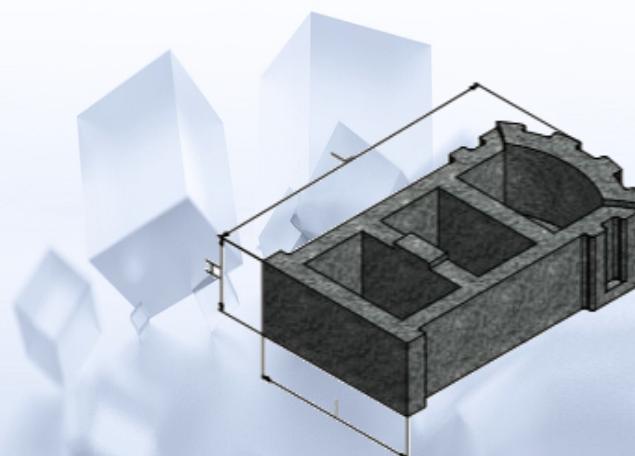
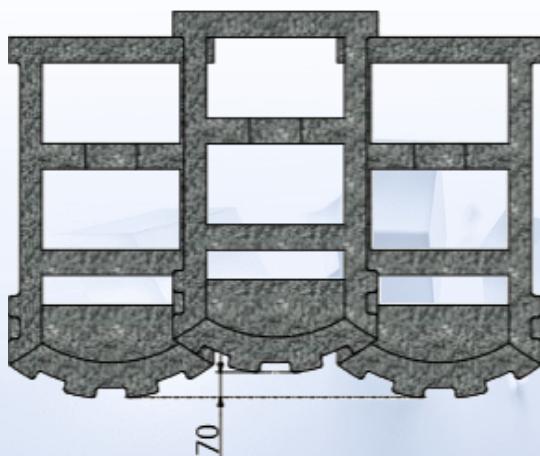
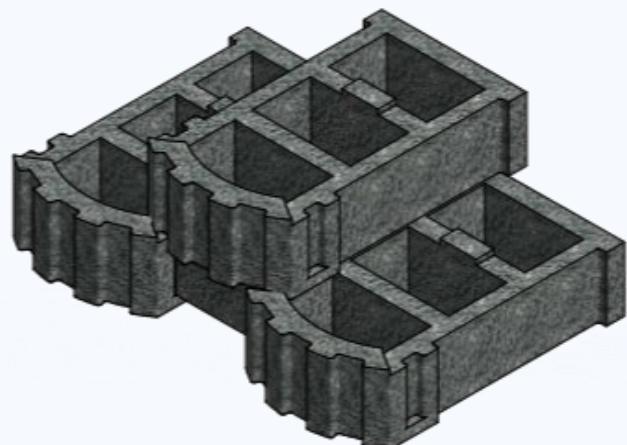
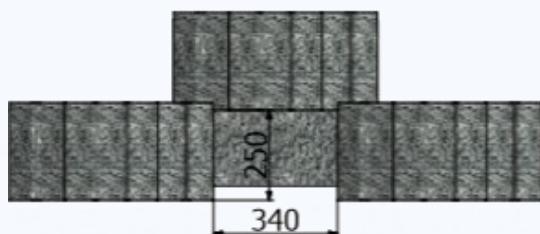
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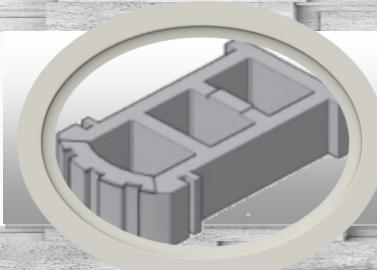
Holding RET120



Weight: 120 Kg

Class of concrete: B30

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Modular block Holding

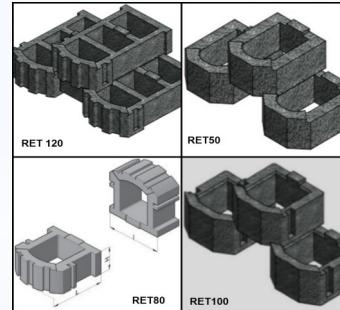


The Modular block Holding are made from high quality concrete.

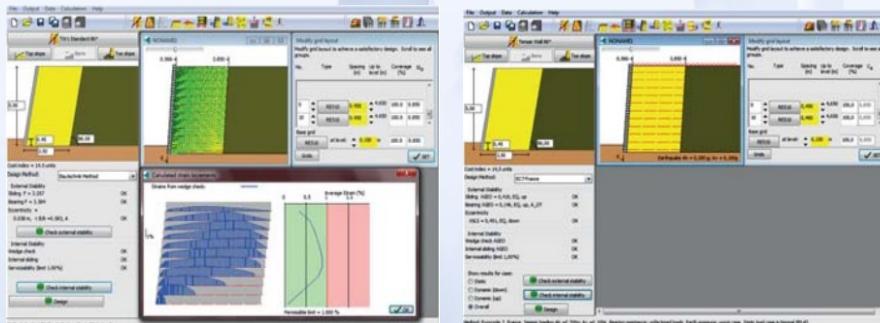
They can be made according to your needs, for the retaining structures; abutments of works of art, hydraulic works, architectural walls and landscaping.

Innovative systems combining geosynthetics (geogrid or geotextiles reinforcement) offer real benefits.

- ◆ A competitive cost price.
- ◆ Reduce congestion.
- ◆ A fast construction.
- ◆ Maximum profitability.



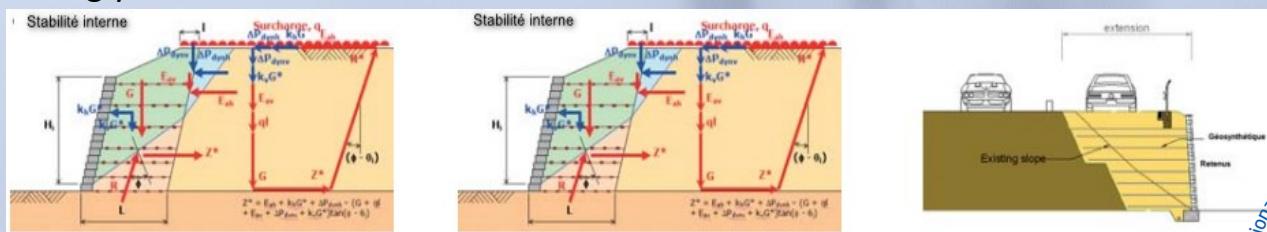
From the first idea to the final realization of the projects, our experienced and competent engineers offer you designs adapted to your projects.

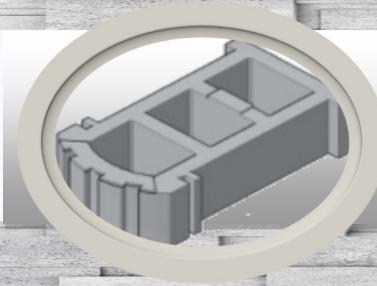


"Design by Appropriate Software"

The strength of the Holding Block lies in its diversity of use, whether for a low-weight wall or embankment reinforced with high-grade geosynthetics, thus acting as a retaining wall, with and without vegetation , straight or curved.

The Holding system is an interesting alternative to traditional concrete fixing walls, which are ugly in view.





Modular block Holding



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A geosynthetically reinforced massif, with Modular block Holding in

hydraulic concrete type Holding 50, 80, 100, 120 or BMF consists of geo synthetic (reinforcement geotextile or geo grid), prefabricated concrete blocks and a selected technical embankment.

These reinforced massifs are intended for the construction of retaining walls, sliding comfort, slope treatments and access ramps of engineering structures.

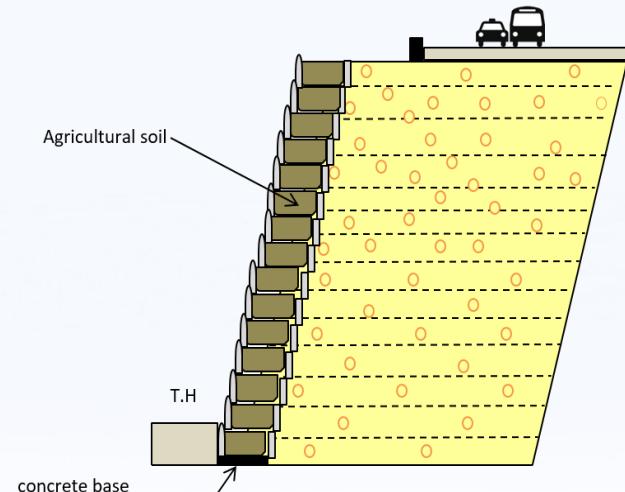


Figure 1: Massive reinforced by Geosynthetic

Méthodologie de travail :

- ◆ Confortement d'un glissement ou mur de soutènement.
- ◆ Levé topographique.
- ◆ Rapport de sol.
- ◆ Descente des charges (variable).
- ◆ Surcharges (bâtiments, routières ou autre)
- ◆ Présence des eaux.
- ◆ Etude géotechnique de la stabilité.
- ◆ Déterminer les surfaces de glissement.
- ◆ Influence des eaux souterraines pour pouvoir déterminer la nécessité d'un dispositif de drainage.
- ◆ Calcul des stabilités.
- ◆ Stabilité externe, Interne, mixte et générale.

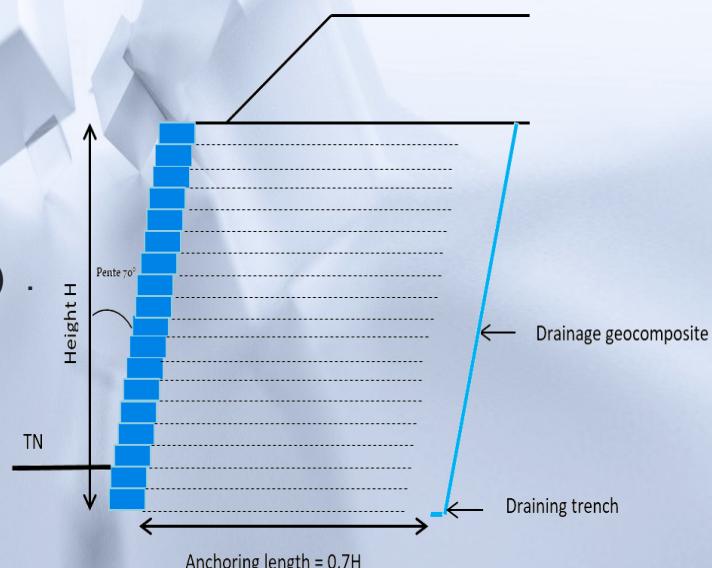
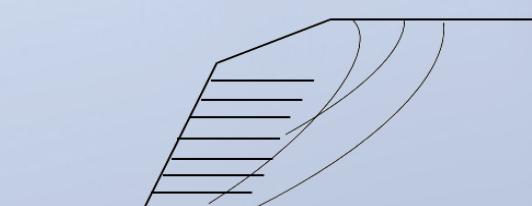
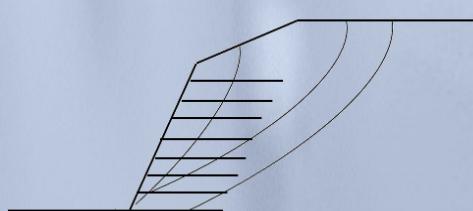


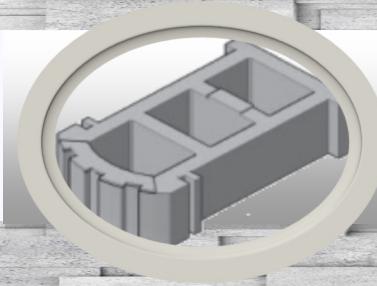
Figure 2: Schematic diagram of reinforcement

a) Curves of ruptures cutting one or more reinforcement beds



b) Curves of ruptures cutting one or more reinforcement beds





Modular block Holding



Note :

The consumption per m² is variable according to the type of block:

4.6 u / m² (Holding 120 Kg), 4.2 u / m² (Holding 100 Kg), 8 u / m² (Holding 50 Kg).

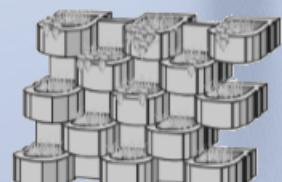
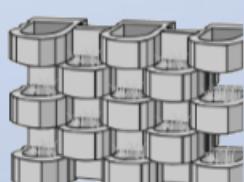
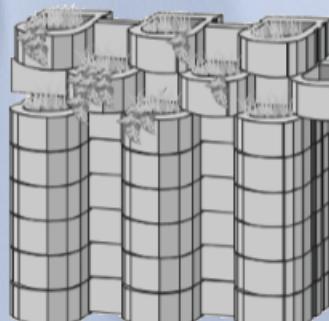
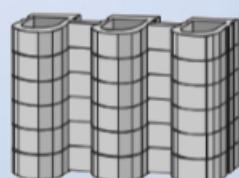
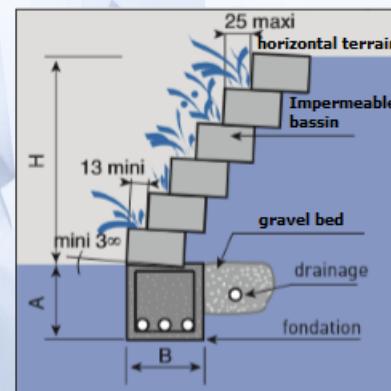
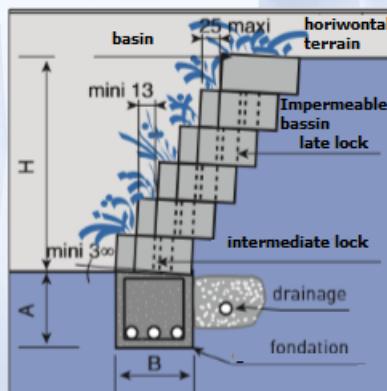
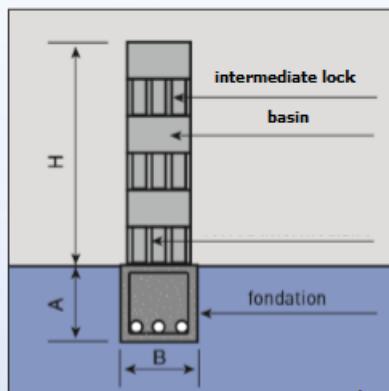
The choice of the type to be used depends on the height of the facing to be made:

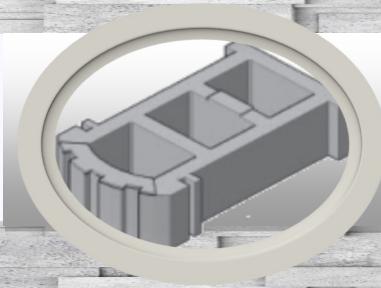
Holding 120 kg (4m≤h ≤1m), Holding 100 kg (h≤6m), Holding 50 Kg (h≤3m).

Vertical wall (non-retaining wall) consists of intermediate lock bins and start and end locks.

Retaining wall . staircase with or without locks. variable offset. max 25 cm -mini 13 cm

retaining wall. combined with locks max 25 cm (example with drainage).





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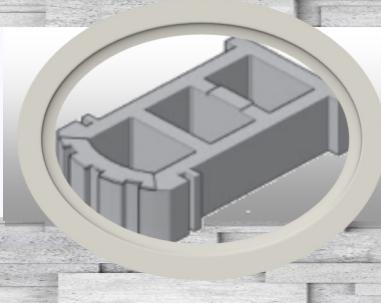
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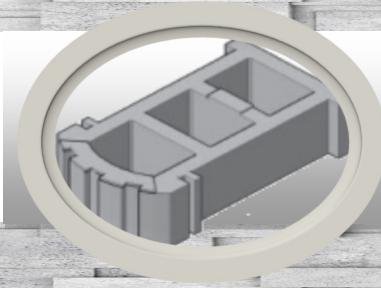


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