

## TECHNICAL DATA SHEET - EXPANSION SHELL

### DESCRIPTION

The expansion shell is a concrete/rock anchor and is used when form ties need to be anchored into concrete or rock. The anchoring is achieved through mechanical expansion in a pre-drilled hole, creating a strong and reliable connection without the need for through-ties.

This system is ideal for applications where traditional tie-through anchoring is not feasible, such as single-sided formwork or existing concrete structures.

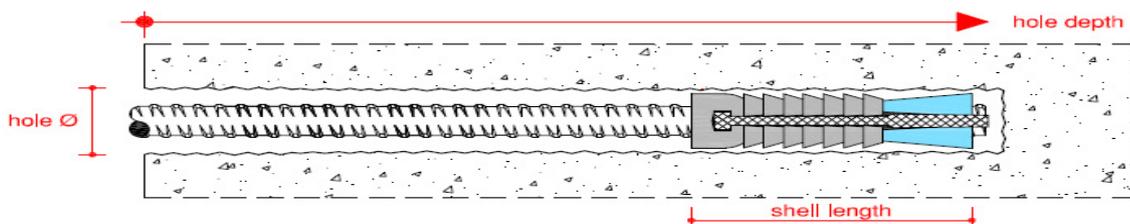


### APPLICATIONS

- Single-sided formwork systems
- Casting against rock or existing concrete
- Projects where through-hole installation is not possible

### PRODUCT RANGE

Item.nr	Name	Bar Ø (mm)	Drill-hole (mm)	Min. drill-depht (mm)	Min. c/c (mm)	Min. edge (mm)	Leght (mm)	Ultimate kN
1092041	Betong/Bergsförankring Ø15 Borr 32-34MM	15	32-34	200	350	175	85	195
1092042	Betong/Bergsförankring Ø20 Borr 43-48MM	20	43-48	300	500	250	125	345



### ENVIRONMENTAL & SUSTAINABILITY



BVB ID  
126592

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### INSTALLATION

1. **IMPORTANT:** The hole should be drilled using a rotary percussive drill only and then blown clean using compressed air.
2. The hole diameter should be controlled to fall within the stated tolerance range of the Expansion Shell being used.
3. Screw the threadbar fully into the conical part of the Expansion Shell as shown above.
4. **IMPORTANT:** If the Expansion Shell is fitted with a temporary plastic collar, it should be removed before insertion into the hole.
5. Before installation, orientate the Expansion Shell as shown on the drawing below to avoid the risk of spalling.
6. After installation the Expansion Shell should be locked by rotating the bar clockwise to "activate" the two half shells.
7. **IMPORTANT:** Do not over tighten the bar.

