

## Expansion shell Elf M27x45



Bail expansion shell M27x45 for use with Pc-bolt M27 (combination bolt) to obtain immediately effective working support. The expansion shell provides excellent anchoring in hard and medium-hard rock types.

The hole should be drilled to at least the length of the bolt. The expansion shell must be screwed onto the end of the bolt is flush with the rear of the conical plug. The spherical bearing plate, angle washer and nut are then mounted on the other end of the bolt. Ideally a solid dome should be used to simplify subsequent testing. The bolt is now ready to be inserted into the borehole. Leave the plastic ring on the expansion shell. The plastic ring will be pushed off the expansion shell when the bolt is inserted into the hole. Let the plastic ring remain in the hole.

Insert the bolt all the way in so that the front bearing is touching the rock face. The plate holding the blades on the expansion shell will adapt to the borehole creating resistance against the rock surface so that when the nut is rotated the bolt will be drawn outward and the threaded plug wedged firmly between the blades.

The bolt is now temporarily anchored and can be pretensioned by the recommended torque. See Product Data Sheet for Pc-bolt.

When using the bolts close to the blasting face, there is a risk that vibrations may reduce the pretension. The bolt must then be retensioned.

### Stock programme:

Expansion shell: M27x45 L=135, electroplated, for boreholes  $\varnothing$ 45-51

The expansion shell is double-bladed and is supplied with plastic ring mounted.

### Technical information:

Expansion shell: Load: Will exceed the capacity of the bolt if anchored in a suitable hole and right rock type. We recommend pull test on site to establish the actual load capacity.  
Thread M27 – Over dimensioned.

### Reference:

Expansion shell M24x45: PTC-137

### Weight:

Expansion shell M24x45: 0.57 kg/pce.

### Corrosion protection:

Electroplated, yellow

### Accessories:

Pc-bolt M27 and M30 (expansion shell fits both sizes)