



## SA TS101:2015

CODE COMPLIANT

ALL-METAL

**SYMPAFIX®**

- SA TS101:2015 code compliant
- Approved for cracked concrete
- European Technical Assessment (ETA)
- Fire rated performance
- All metal construction
- Tamper resistant head
- Clean, low profile aesthetic appearance

Expansion pin

Hammer impact point

**ICCONS® Sympafix CA-Plus** is an all metal wedge style anchor that sets by hammer impact, thus sliding the pin down the stem creating an expansive force against the wall of the hole. Ideal for mechanical trades using suspending strap, various hanger systems, through fixings, fire collar mountings etc.



ZINC

INTERNAL USE



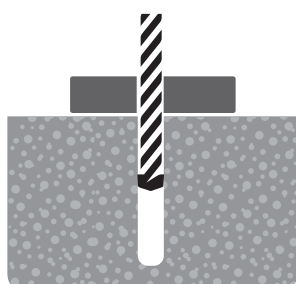
| Part No.                  | Description                           | mm  | min. mm | qty | qty  |
|---------------------------|---------------------------------------|-----|---------|-----|------|
| <b>SPZ0635A (CA-Plus)</b> | 6 x 35mm all metal wedge style anchor | 6.0 | 32      | 100 | 1000 |
| <b>SPZ0665A (CA-Plus)</b> | 6 x 65mm all metal wedge style anchor |     |         | 100 | 1000 |

### PERFORMANCE IN CONCRETE (20-50MPa)

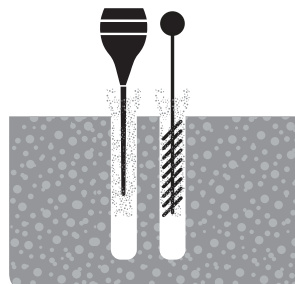
| Part Number               | Drill Hole Size (mm) | Maximum Fixture Thickness (mm) | Edge Distance (mm) | Anchor Spacing (mm) | Minimum Concrete Thickness (mm) | CHARACTERISTIC ULTIMATE  |                          | DESIGN RESISTANCE        |                          |
|---------------------------|----------------------|--------------------------------|--------------------|---------------------|---------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                           |                      |                                |                    |                     |                                 | TENSION                  | SHEAR                    | TENSION                  | SHEAR                    |
|                           |                      |                                |                    |                     |                                 | (N <sub>Rk</sub> )<br>kN | (V <sub>Rk</sub> )<br>kN | (N <sub>Rd</sub> )<br>kN | (V <sub>Rd</sub> )<br>kN |
| <b>SPZ0635A (CA-Plus)</b> | 6                    | 3.0                            | 150                | 200                 | 80                              | 2.5                      | 2.5                      | 1.4                      | 1.4                      |
| <b>SPZ0665A (CA-Plus)</b> |                      | 33.0                           |                    |                     |                                 |                          |                          |                          |                          |

**Note:** The anchor is to be used for applications subject to static or quasi-static loading in reinforced or unreinforced normal weight concrete of strength classes C20/25 – C50/60. It may be used in cracked and non-cracked concrete. The anchor is to be used only for multiple use for non-structural applications, the definition of multiple use is given in the informative Annex 1 of ETAG 001, Part 6. The design of the fixture is such that in case of excessive slip or failure of one anchor the load can be transmitted to neighbouring anchors. For specific design information please refer to ETA-14/0459.

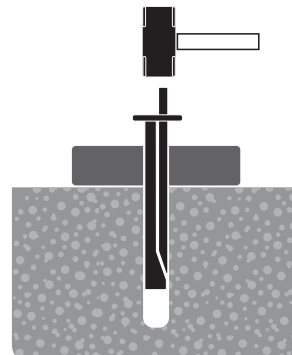
### INSTALLATION



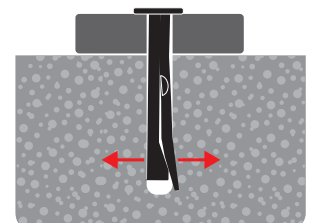
With the correct diameter drill bit, drill a hole to the correct depth



Clean dust and other material from the hole.



Insert anchor into position, and strike with hammer until pin is flush with anchor head



Installation complete!