

**For - Secure Mechanical fixing of support frame, brackets and timber.**

**Onto - Concrete, concrete block work and brick**



## Features

- Metal drive screw with nylon sleeve.
- Available in A4 stainless and zinc plated carbon steel.
- Polyamid sleeve for high impact strength and durability.
- SDF-KB: Collar version for clamping metal section.
- SDF-S: countersunk version for fixing timber.
- Simple installation.
- Engineered expansion zone.
- Minimum embedment.
- High performance.
- Wide range of lengths from: 60,80, – 220mm.
- FMPA Approved facade anchors.

## Application Detail

- SDF-KB 13mm Hex drive.
- SDF-S T40 Torx drive.
- Hole diameter: 10mm.
- Embedment: 50mm.
- Hole depth:  $\geq 60\text{mm}$ .
- Minimum thickness of concrete: 100mm.
- Minimum centre distance, concrete:  $\geq 150\text{mm}$ .  $\geq 100\text{mm}$ .
- (Per bracket.)
- Minimum centre distance, concrete:  $\geq 50\text{mm}$ .
- (ie. Two anchors per bracket.)
- Minimum edge distance, concrete:  $\geq 100\text{mm}$ .  $\geq 80\text{mm}$ .

## Calculated Loads

Maximum allowable bending moment – A4 stainless 7.4Nm  
– Carbon steel 6.6Nm

Maximum allowable loads for pullout,  
transverse and diagonal pullout.

For concrete with hardness grade B15: 1.4kN 1.2kN  
(Based on the above centre and edge distances per bracket.)

### Expected Ultimate Load

For dense concrete in the region of: 7-10kN

**We recommend confirmation by on-site testing.**

**For Further Information Please Contact:**