

# Single Expansion Bolts (WBEB)



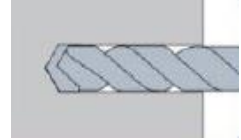
Wincro Single Expansion bolts are a cost effective, high performance fixing for solid substrates such as concrete, where edge distances are not critical.

Available in wide range of sizes and compatible with the complete range of Wincro masonry supports and restraints.

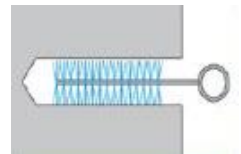
## INSTALLATION

1. Drill hole in concrete to required depth and diameter using clearance hole in fixture.
2. Remove debris and thoroughly clean hole.
3. With nut and washer assembled, tap through fixture into hole until fixing depth is reached.
4. Tighten to recommended torque (see table below).

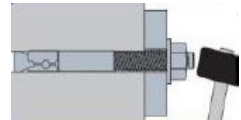
1. Drill hole



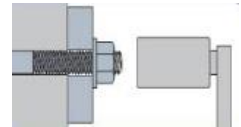
2. Clean hole



3. Tap lightly



4. Tighten



## Notes

- Edge distance and spacing to be as below unless noted otherwise.
- Make sure that the bolt is of the right diameter and length prior to installation.
- Refer to product packaging where relevant.



### WBEB Single Expansion Bolt – Stainless Steel A4

Bolt Reference	WBEB 6/10	WBEB 8/20	WBEB 10/20	WBEB 12/20	WBEB 12/50	WBEB 16/25	WBEB 16/50
Thread Size	M6	M8	M10	M12	M12	M16	M16
Overall Length (mm)	55	81	96	116	146	145	170
Drill Dia. In Concrete (mm)	6	8	10	12	12	16	16
Min. Embedment (mm)	30	40	50	65	65	80	80
Tightening Torque (Nm)	4	10	20	35	35	80	80
Max. Fixing Thickness (mm.)	10	20	20	20	50	25	50

## GENERAL

All Wincro products are produced from Type 1.4301 (304) Stainless Steel u.n.o. and are generally produced from sheared plate. As with all similar industrial fabrications, these may present sharp edges and suitable personnel protective equipment should be worn at all times during handling and installation. In all cases, installation should be entrusted to appropriately qualified/experienced persons.

All contact between dissimilar metals must be isolated using isolation patches/washers.

All bolts specified must be installed and torqued to Manufacturers Recommendations / Guidelines.

The Construction applications and details provided in this guide are indicative only.