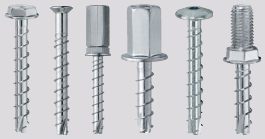
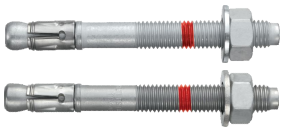
# Anchor Recommendations for Non-structural Applications

| Anchor Details | | | Recommended Applications [1] | | | | | | | Design Parameters | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Partitions | | | Ceilings | | Services | | Design Values [2] | | | Setting Details [4] | | | | |
| Anchor short Description | | Size [mm] | Top of wall | Bottom of wall | Seismic Brace | Wire Hanger | Seismic Brace | Rod Hanger | Seismic Brace | Seismic category | Tension [kN] | Shear [kN] [5] | h_effective [mm] | h_nominal [mm] | Min slab Thickness [mm] | Critical Edge Distance [mm] | Critical Spacing [mm] |
| **HUS3** ETA-13 \| 1038 **Screw anchor** *High performance* |  | 6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | C1 | 1.4 | 3.2 \| 1.6 | 30 | 40 | 80 | 45 | 90 |
| | | | | | | | | | | | 2.2 | 3.3 \| 1.7 | 42 | 55 | 100 | 63 | 126 |
| | | 8 | ✓ | ✓ | ✓ | | ✓ | | ✓ | C1 | 6.0 | 7.9 \| 4.0 | 46 | 60 | 100 | 70 | 140 |
| | | | | | | | | | | C2 | 2.1 | 9.8 \| 3.6 | 55 | 70 | 120 | 85 | 170 |
| | | 10 | ✓ | ✓ | ✓ | | ✓ | | ✓ | C1 | 9.2 | 11.2 \| 5.6 | 59 | 75 | 130 | 90 | 180 |
| | | | | | | | | | | C2 | 6.3 | 17.1 \| 5.9 | 67 | 85 | 140 | 110 | 220 |
| **HST3** ETA-98/0001 **Expansion anchor** *Ultimate performance* |  | 8 | | | ✓ | | ✓ | ✓[3] | ✓ | C1 | 5.0 | 13.3 \| 6.6 | 47 | 45 | 80 | 71 | 141 |
| | | | | | | | | | | C2 | 2.0 | 7.9 \| 3.8 | | | | | |
| | | 10 | | | ✓ | | ✓ | ✓[3] | ✓ | C1 | 8.0 | 20.6 \| 10.3 | 60 | 68 | 100 | 90 | 180 |
| | | | | | | | | | | C2 | 6.9 | 15.2 \| 7.60 | | | | | |
| | | 12 | | | ✓ | | ✓ | ✓[3] | ✓ | C1 | 11.9 | 31.2 \| 15.6 | 70 | 80 | 120 | 105 | 210 |
| | | | | | | | | | | C2 | 11.9 | 22.9 \| 11.4 | | | | | |

**Notes:-**

**[1]** The design requirements for an anchor or fixing for a given applications are to be specified by the design engineer. The corresponding rable is inteded to serve as a recommendation only.

**[2]** Values are valid for 20MPa strength concrere or greater. The performance can be optimised further by re-calculating with a higher material strength.Values stated are design values.

**[3]** An additional rod coupler is required to attachd a threaded rod to the HST3 anchor.

**[4]** Please contact Hilti engineers to re-verify anchor capacities when the spacing, edge distance, fastening thickness, or h_effective cannot be achieved as per the provided table. See anchor box for full setting details. Ie, drill hole diameter, hole cleaning, and tightening torque.

**[5]** Values shown are for cases when α_gap = 1.0 and 0.5 respectively. See EN 1992-4 annex C.5, and table 6.1 or contact a hilti engineer for more details.

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