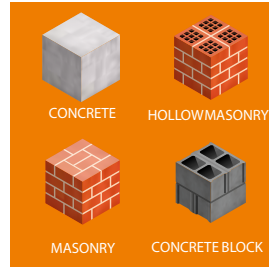


NYLON LONG EXPANSION PLUGS

WITH COUNTERSUNK HEAD SCREW



FEATURES

- PA6 nylon plug
- Zinc plated or A4 stainless steel screw

features

- ETA for concrete, semi-solid and hollow brick,
- Suitable also for aerated concrete, stone (dense structure, trials recommended)
- Excellent fixing in all materials thanks to long expansion (hnom = 70mm)
- Solid materials: uniform 'swelling' of the plug by quadruple expansion (NK= 120 à 300 daN)
- Hollow materials: the plug forms a 'knot' when expanded
- 100% nylon plug: excellent lifetime, resists to temperature from -20°C to +40°C
- Fire resistant for 90 minutes (FB90) for diameter 10 in concrete and up to 80kg load
- Easy screwing with TORX30 (diam.8) and TORX40 (diam.10) (G•L and G•LH)
- Wide range of application:
screw: countersunk head, hexagonal head, hexagonal head with base
- Screw: zinc plated and stainless steel
- Plug: 8 and 10, length 80-240mm

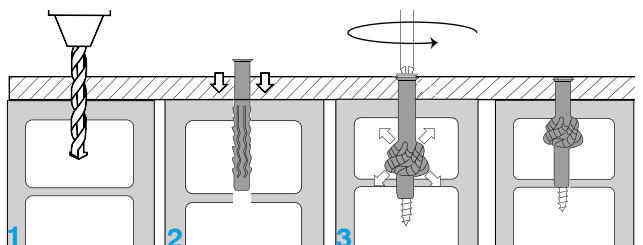
APPLICATIONS EXAMPLES

- Short versions
 - light wooden or metal frames
- Long versions
 - frames and siding
 - cladding
 - windows
 - rafters



INSTALLATION

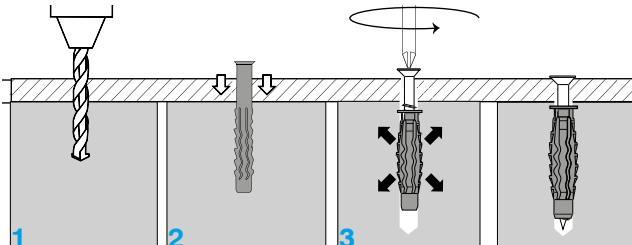
Hollow walls



- 1) • drill without damaging the concrete structure and while respecting the drilling method recommended in annex 6 of the ETA 12/0374.
- Remove dust from the hole

- 2) The nylon plug is set by light hammer strokes

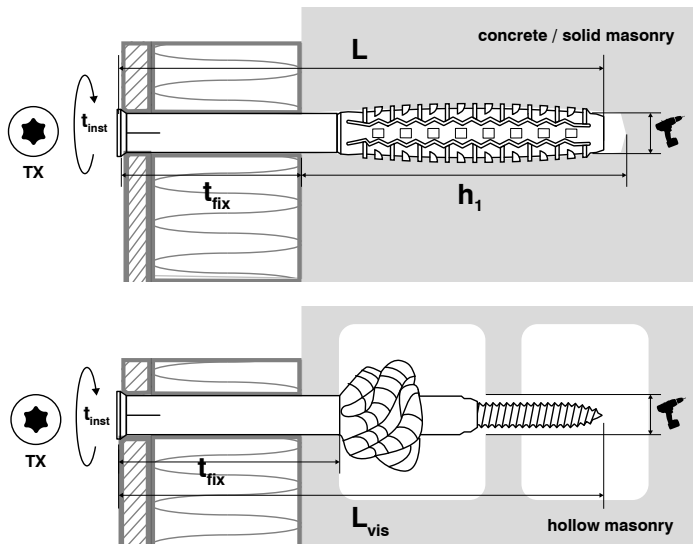
Solid walls



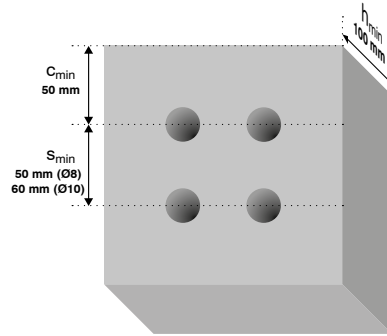
- 3) Special screw is screwed until the screw head touches the plastic ring. The plug is correctly installed if the plastic ring does not turn in the hole and if no more movement of the screw is possible.

If installing in hollow materials, be sure that the expansion happens (by 'knotting' in the support material)

DIMENSIONS & APPLICATIONS DATAS



In concrete ≥ C16/20



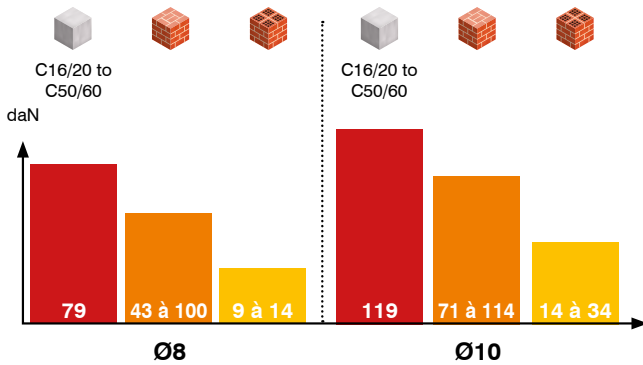
| Ø | L | t _{fix} | τ | h ₁ | TX | L _{vis} | Ø _{vis} | REFERENCES | |
|----|-----|------------------|----|----------------|------|------------------|------------------|-------------|--------------------------|
| | | | | | | | | steel screw | A4 stainless steel screw |
| 8 | 80 | 10 | 8 | 70 | TX30 | 85 | 5.5 | G-L08080 | - |
| | 100 | 30 | 8 | 70 | TX30 | 105 | 5.5 | G-L08100 | - |
| | 120 | 50 | 8 | 70 | TX30 | 125 | 5.5 | G-L08120 | - |
| | 140 | 70 | 8 | 70 | TX30 | 145 | 5.5 | G-L08140 | - |
| | 170 | 100 | 8 | 70 | TX30 | 175 | 5.5 | G-L08170 | - |
| | 200 | 130 | 8 | 70 | TX30 | 205 | 5.5 | G-L08200 | - |
| 10 | 80 | 10 | 10 | 70 | TX40 | 85 | 7.0 | G-L10080 | A4-G-L10080 |
| | 100 | 30 | 10 | 70 | TX40 | 105 | 7.0 | G-L10100 | A4-G-L10100 |
| | 120 | 50 | 10 | 70 | TX40 | 120 | 7.0 | G-L10120 | A4-G-L10120 |
| | 140 | 70 | 10 | 70 | TX40 | 140 | 7.0 | G-L10140 | A4-G-L10140 |
| | 160 | 90 | 10 | 70 | TX40 | 165 | 7.0 | G-L10160 | A4-G-L10160 |
| | 200 | 130 | 10 | 70 | TX40 | 205 | 7.0 | G-L10200 | - |
| | 240 | 170 | 10 | 70 | TX40 | 245 | 7.0 | G-L10240 | - |
| | 260 | 190 | 10 | 70 | TX40 | 265 | 7.0 | - | - |

RECOMMENDED LOADS

The loads below are based on values indicated in ETA n°12/0090 with application of:

- partial security coefficient γ_M of ETA and ETAG 014.
- partial action coefficient $\gamma_F = 1,4$.

TENSILE



SHEAR

