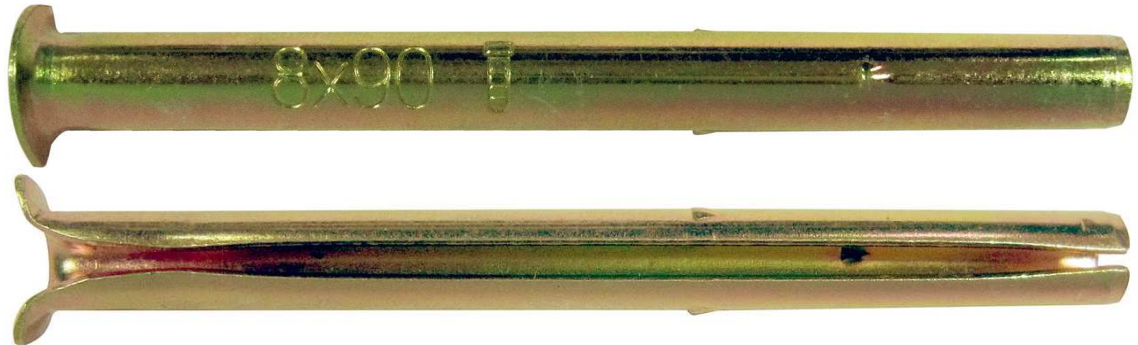


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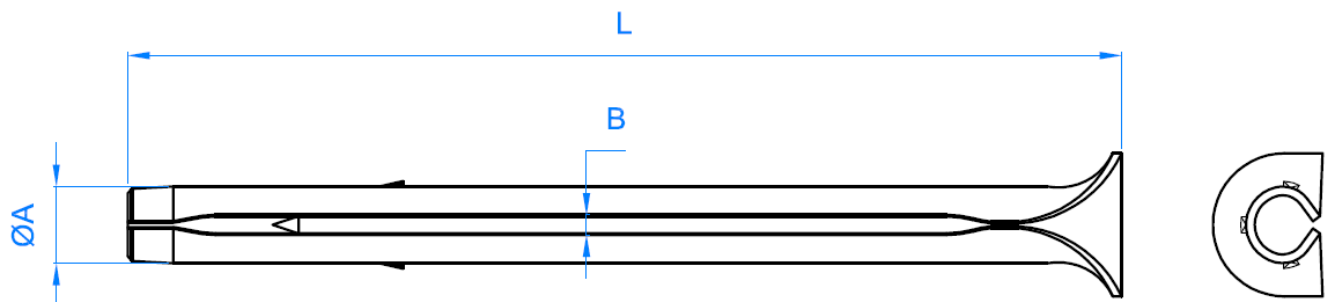
1. CHARACTERISTICS

- For batten fixings to concrete floors.
- Its geometry, C shape, allows a slight movement between the express nail and the floor itself, avoiding the nail breakage
- Batten is fixed to the floor because of its spring effect, provided by heat treatment of the express nail.
- New design with 3 mounts that increases the anchor adherence.
- Zinc yellow passivated covering.
- Available in $\varnothing 6$ y $\varnothing 8$, with different lengths (different batten thickness).

2. MATERIAL

MATERIAL	TREATMENT
Steel EN10132-3-C45E+LC, thermal treatment to 373-392 HV	Zinc yellow passivated $\geq 5\mu\text{m}$ ISO 4042 A2L

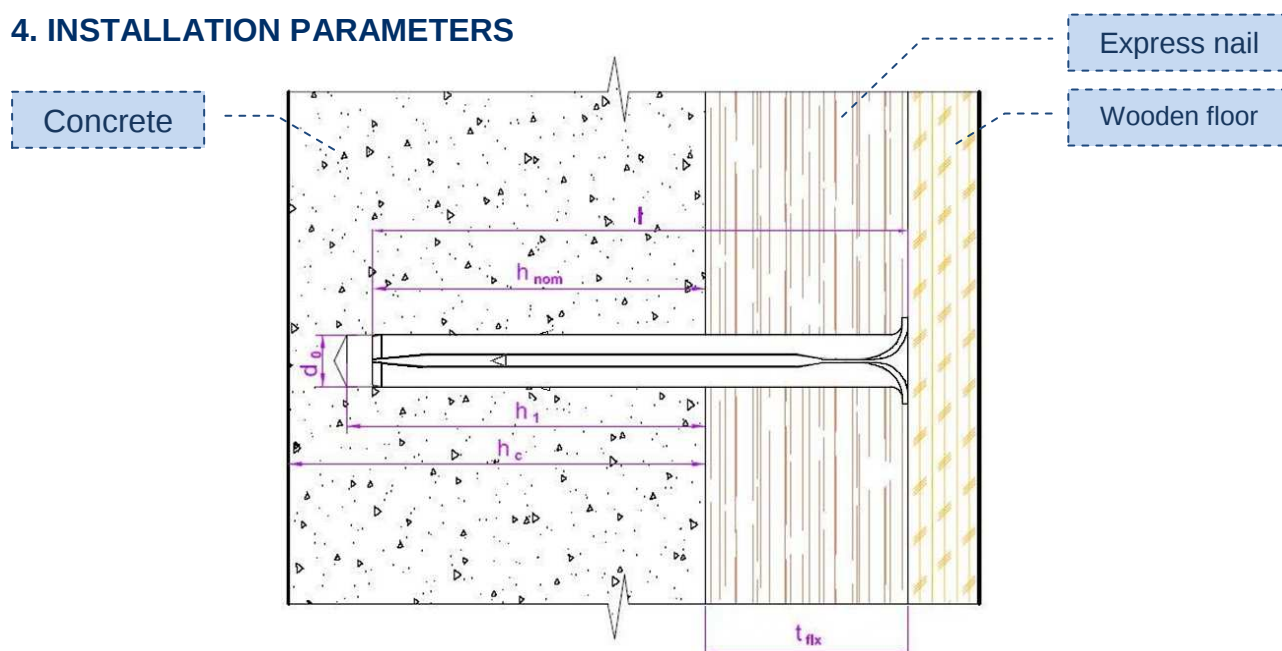
3. GEOMETRIC DIMENSIONS



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Code	TRA6030 TRA6050 TRA6060 TRA6080	TRA8070 TRA8090 TRA8110 TRA8130 TRA8150
A: outer diameter [mm]	6.5 – 7.0	8.5 -9.0
B: opening [mm]	2	3
e: thickness [mm]	0.8	1.0
l: length [mm]	30 50 60 80	70 90 110 130 150

4. INSTALLATION PARAMETERS

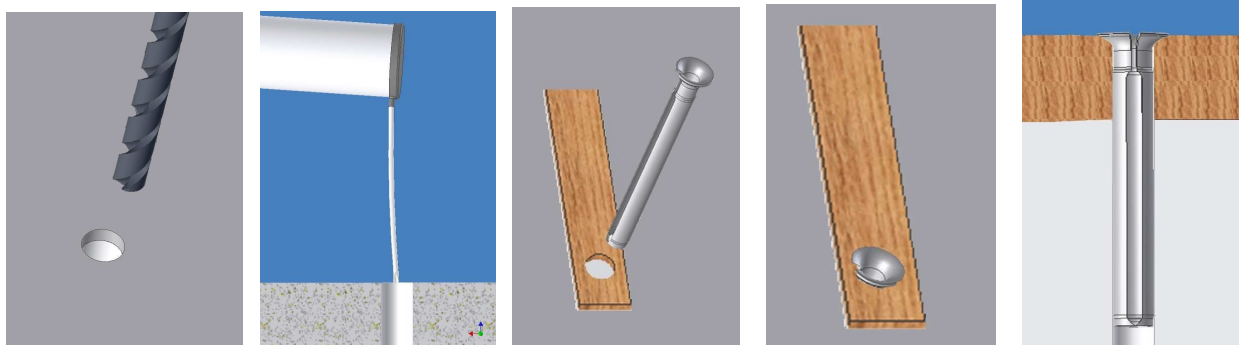


Parameter	TRA6030	TRA6050	TRA6060*	TRA6080*	TRA8070*	TRA8090*	TRA8110*	TRA8130	TRA8150
Size	6x30	6x50	6x60	6x80	8x70	8x90	8x110	8x130	8x150
d ₀ : drill bit [mm]	6				8				
l: anchor length [mm]	30	50	60	80	70	90	110	130	150
h ₁ : drill depth ≥ [mm]	35	40				50			
h _{nom} : embedment depth ≥ [mm]	27	30				40			
h _c : base material thickness ≥ [mm]	32	35				45			
t _{fix} : fixture thickness ≤ [mm]	3	20	30	50	30	50	70	90	110

* New design with mounts

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5. INSTALLATION PROCEDURE



- Drill a hole in the base material and the batten, of depth and diameter specified.
- Clean hole from dust and drilling fragments.
- Install the express nail using a hammer until the head arrives to the batten

6. RECOMMENDED LOADS

Recommended loads for a well installed express nail is shown in the table:

Recommended load	TRA6030	TRA6050	TRA6060	TRA6080	TRA8070	TRA8090	TRA8110	TRA8130	TRA8150
Size	6x30	6x50	6x60	6x80	8x70	8x90	8x110	8x130	8x150
Tension [N]	350	400			500				
Shear [N]	270	300			400				

10N $\approx$ 1 Kg

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7. EXAMPLE OF APPLICATION

