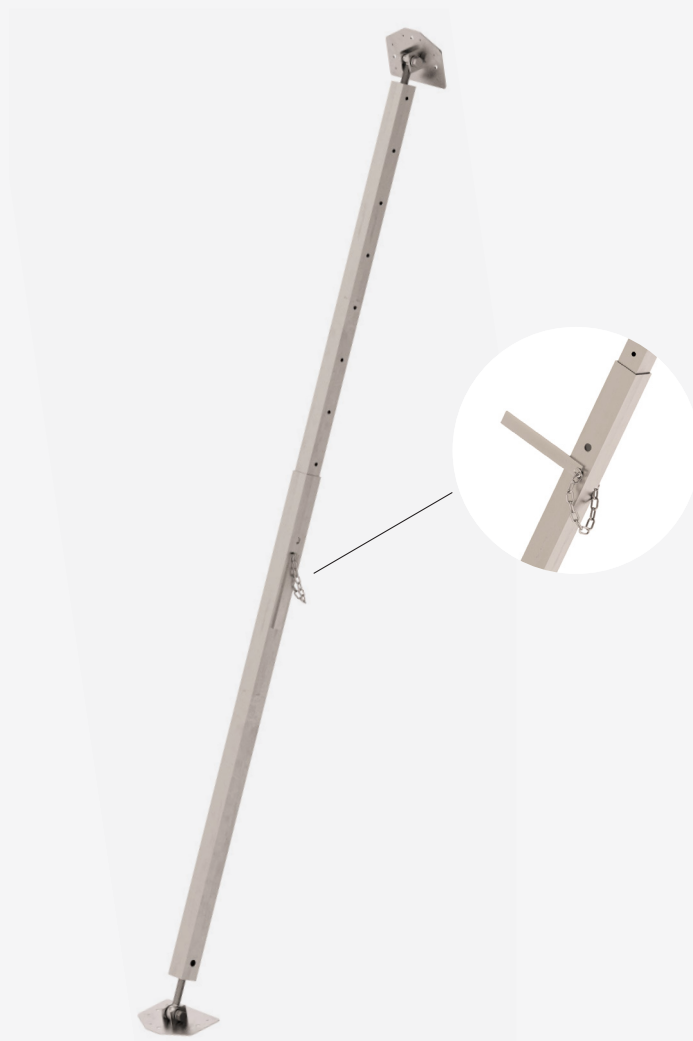
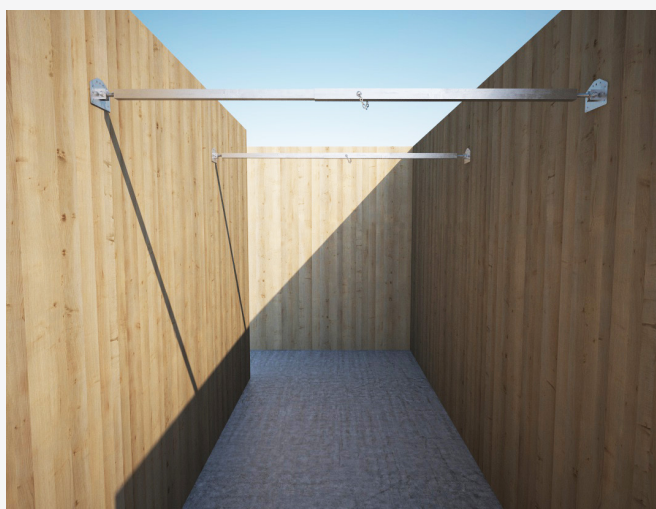


GIRAFFE

Wall assembly support



CODES AND DIMENSIONS

CODE	length [mm]	weight [kg]	material	pcs/ 
GIR2200	1180 - 2200	3,35	Extruded aluminium 6060	1

GEOMETRY & INSTALLATION

ANCHOR PLATE

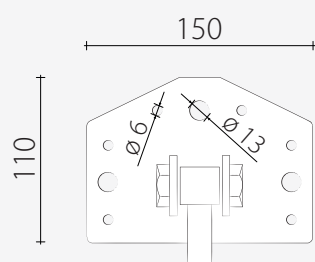
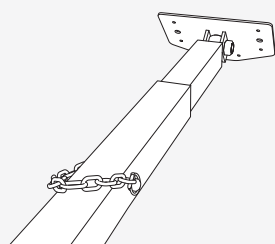
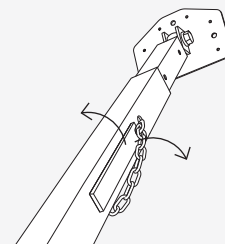


plate thickness [mm]	4
n° holes Ø 13	3
n° holes Ø 6	6

LENGTH LOCK

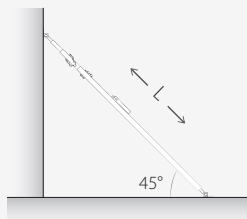


GIR2200: The GIRAFFE is locked into the required position by means of the pin

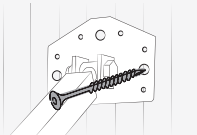


GIR2200: The precise regulation of the length has to be done with the lateral handle

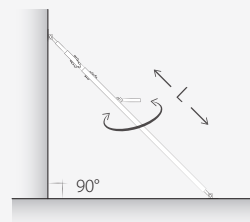
INSTALLATION



1. Positioning of the wall and of the GIRAFFE, suitably adjusted in length



2. Insertion of the fasteners into the end plates



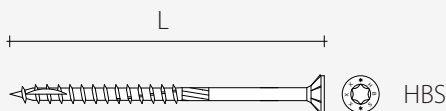
3. GIRAFFE length adjustment via the adjustment handle, for perfect wall verticality

CONNECTORS

JOINTING ON WOOD - HOLES Ø 13 / HOLES Ø 6

HBS SCREW Ø 10 / Ø 5 - HBS+ evo SCREW Ø 10 / Ø 5

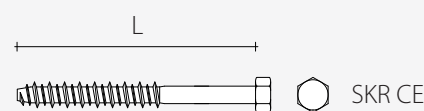
HBS: L = 80 - 200 mm* / L = 45 - 120 mm*



JOINTING ON CEMENT - HOLES Ø 13

SKR ANCHOR Ø 12 - Screw anchor for concrete

SKR: L = 100 - 400 mm*



*The choice of length of the connection is assessed each time in function of the element to be supported, the type of support on which GIRAFFE is used and the load to be sustained.

CAPACITY GIR2200 SUPPORT

Assembly support GIR2200

L = 2200 mm

Max. capacity supporting beam - admissible stresses N_{adm}

2,52 kN

EXAMPLE OF FASTENING CALCULATION

HBS SCREW + Ø10 X 100 mm

Shear resistance, 2 screws:

$$2 \times 2,13 \times 1,25 = 5,33 \text{ kN}$$

Extraction resistance of the thread, 2 screws:

$$5 \times 10 \times 52 \times 2 / 1000 = 5,20 \text{ kN}$$

CHECK WOOD SIDE:

$$y = \left(\frac{F/\sqrt{2}}{5,33} \right)^2 + \left(\frac{F/\sqrt{2}}{5,20} \right)^2 \leq 1 \rightarrow F_{max} = 5,26 \text{ kN}$$

Increase of 25% of the admissible load of mechanical joints for assembly requirements

$$F_{max} = 5,26 \text{ kN} \times 1,25 = 6,57 \text{ kN}$$

SCREW ANCHOR SKR Ø12 X 100 MM

Shear resistance cracked concrete C20/25: 15,40 kN

Tensile strength cracked concrete C20/25: 7,90 kN

CHECK CRACKED CEMENT SIDE:

$$y = \left(\frac{F/\sqrt{2}}{15,4} \right)^2 + \left(\frac{F/\sqrt{2}}{7,90} \right)^2 \leq 1 \rightarrow F_{max} = 9,94 \text{ kN}$$

