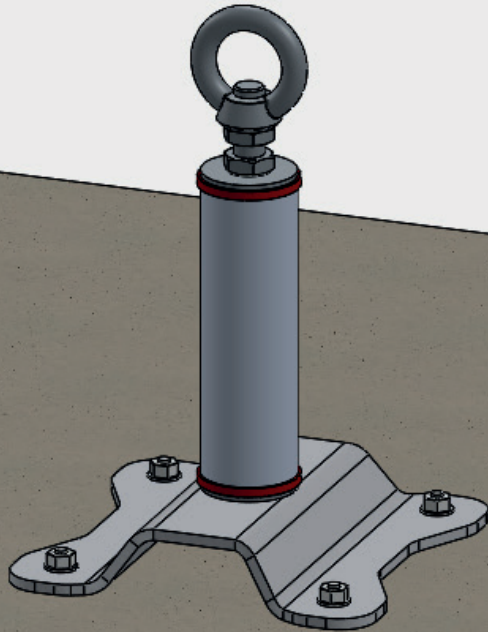


Data sheet

FLEEX-P-201

FLEEX.ALU 

CONCRETE INTERFACE FIXING 4 ANCHOR STUD



USE

Fastening kit composed of 4 studs.
Combined with the special F-P-200 concrete plate, the interface allows the enabling of lifelines on concrete supports.

ADVANTAGES

- Aluminium fastening plate
- PolyvalentFast installation time (anchor stud)
- Few operations to be performed for the installation
- Very reliable fastening holding

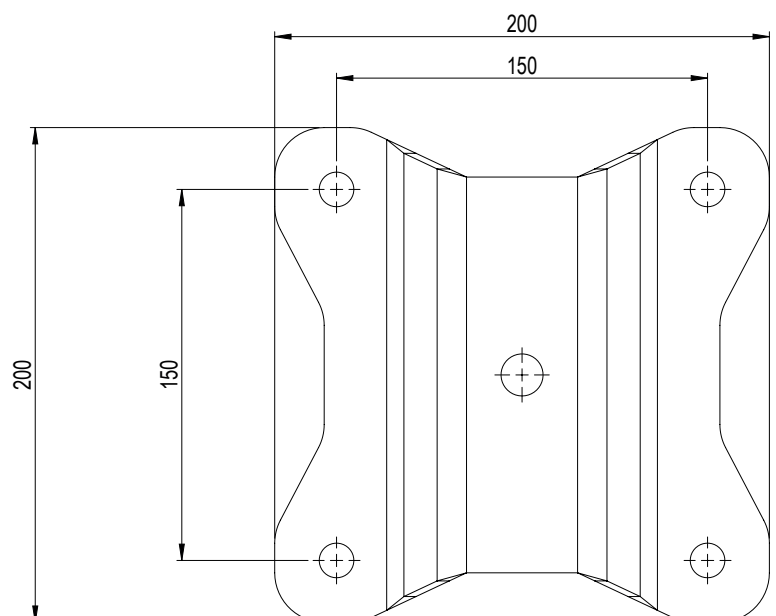
ACCORDING TO THE NORMS

EN 795 and CENTS-16415 (3 users)

FEATURES TECHNIQUES

Plate material: aluminium

Fastening centreline : 150 mm (6")



Data sheet **FLEEX-P-201**

FLEEX.ALU 

CONCRETE INTERFACE FIXING 4 ANCHOR STUD

ASSEMBLY STEPS

TOOLS REQUIRED



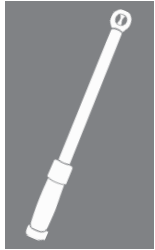
Drill



12mm drill bit



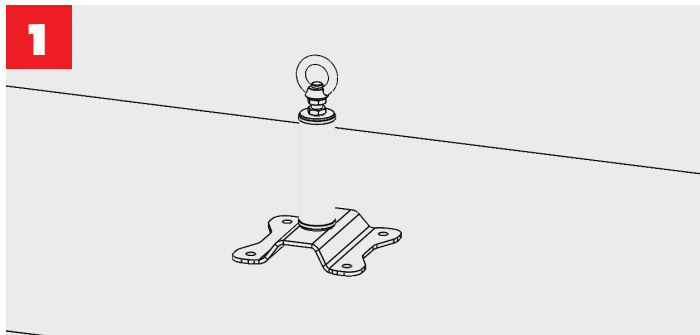
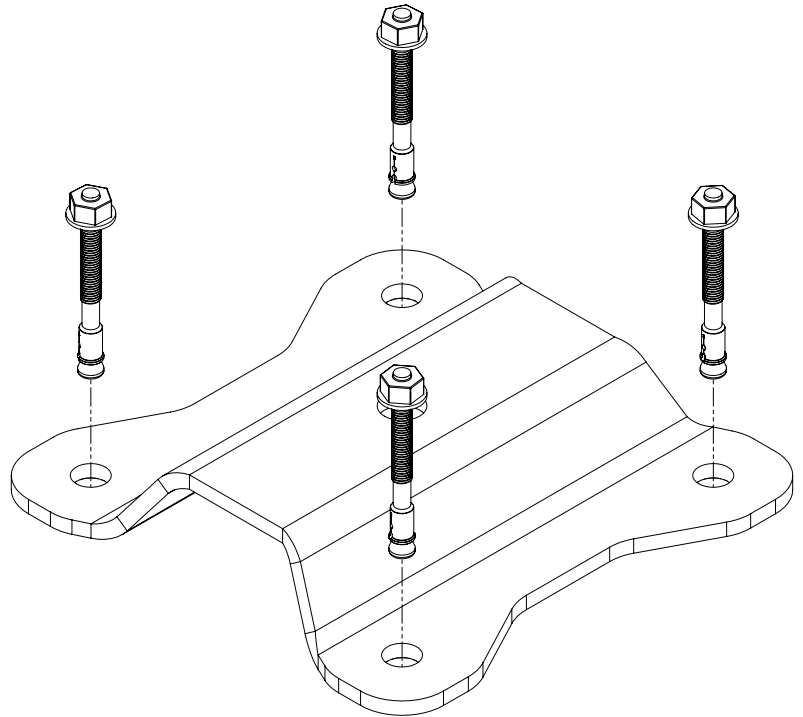
Hammer



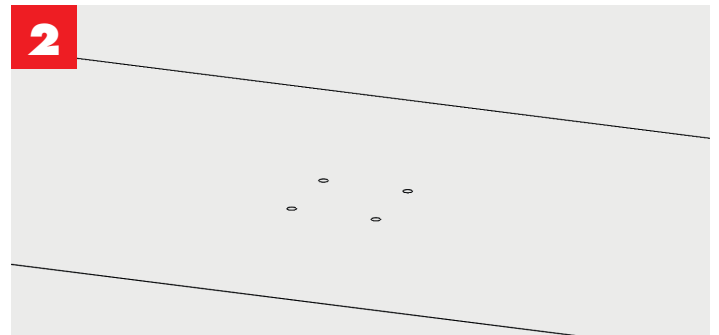
Torque wrench



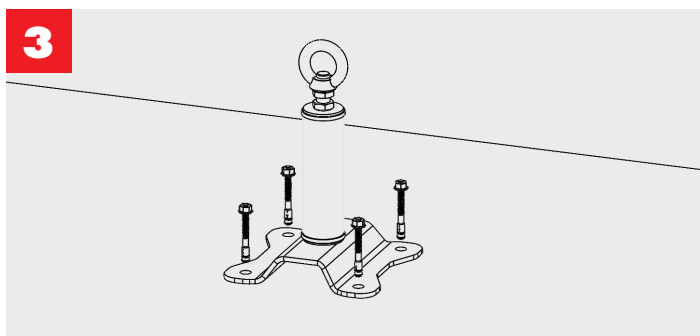
19mm socket



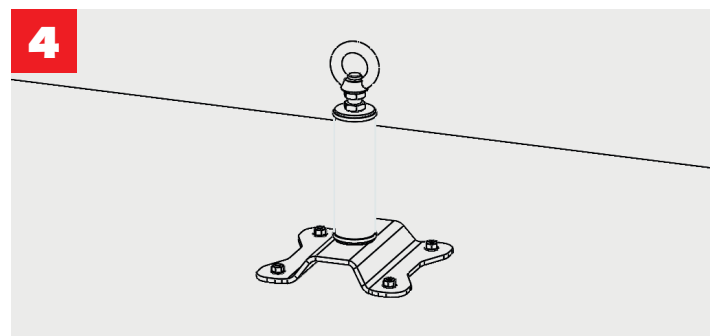
1 Position the plate and mark the 4 holes



2 Drill with the 12mm drill at the hole locations.
(Drilling depth: 90mm)
Clean the holes and remove concrete residues



3 Position the dowels and drive in with a hammer



4 Apply a tightening torque of 50 Nm

Data sheet FLEEX-P-201

FLEEX.ALU

CONCRETE INTERFACE FIXING 4 ANCHOR STUD

TABLE OF FORCES AND DEFLECTION

| | | Lifetime total length - Choose the unfavorable case (shorter lifetime) | | | | | | | | | | | | | | | | | |
|-------|----|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 20 | 30 | 50 | 70 | 100 |
| Scope | 3 | 0,88m 9,31kN | 0,89m 9,25kN | 0,89m 9,20kN | 0,9m 9,14kN | 0,91m 9,08kN | 0,91m 9,03kN | 0,92m 8,97kN | 0,93m 8,91kN | 0,93m 8,86kN | 0,94m 8,81kN | 0,95m 8,75kN | 0,95m 8,70kN | 0,96m 8,64kN | 1m 8,36kN | 1m08 8,36kN | 1m08 8,36kN | 1m08 8,36kN | 1m08 8,36kN |
| | 4 | | 1m04 10,21kN | 1m05 10,10kN | 1m05 10,00kN | 1m06 9,89kN | 1m07 9,79kN | 1m08 9,69kN | 1m08 9,58kN | 1m09 9,48kN | 1m10 9,38kN | 1m11 9,27kN | 1m11 9,17kN | 1m12 9,06kN | 1m16 8,55kN | 1m27 8,55kN | 1m27 8,55kN | 1m27 8,55kN | 1m27 8,55kN |
| | 5 | | | 1m20 10,95kN | 1m21 10,80kN | 1m21 10,66kN | 1m22 10,51kN | 1m23 10,36kN | 1m24 10,21kN | 1m25 10,06kN | 1m25 9,92kN | 1m26 9,77kN | 1m27 9,62kN | 1m28 9,48kN | 1m32 8,74kN | 1m46 8,74kN | 1m46 8,74kN | 1m46 8,74kN | 1m46 8,74kN |
| | 6 | | | | 1m34 11,57kN | 1m35 11,38kN | 1m36 11,19kN | 1m37 11kN | 1m38 10,81kN | 1m39 10,62kN | 1m40 10,44kN | 1m41 10,25kN | 1m42 10,06kN | 1m43 9,87kN | 1m48 8,93kN | 1m65 8,93kN | 1m65 8,93kN | 1m65 8,93kN | 1m65 8,93kN |
| | 7 | | | | | 1m48 12,10kN | 1m49 11,87kN | 1m50 11,64kN | 1m51 11,41kN | 1m53 11,18kN | 1m54 10,95kN | 1m55 10,72kN | 1m56 10,50kN | 1m57 10,27kN | 1m63 9,12kN | 1m83 9,12kN | 1m83 9,12kN | 1m83 9,12kN | 1m83 9,12kN |
| | 8 | | | | | | 1m62 12,56kN | 1m63 12,29kN | 1m65 12,02kN | 1m66 11,75kN | 1m68 11,48kN | 1m69 11,21kN | 1m70 10,94kN | 1m72 10,66kN | 1m79 9,31kN | 2m04 9,31kN | 2m04 9,31kN | 2m04 9,31kN | 2m04 9,31kN |
| | 9 | | | | | | | 1m76 12,96kN | 1m78 12,64kN | 1m79 12,33kN | 1m81 12,01kN | 1m83 11,70kN | 1m85 11,38kN | 1m87 11,07kN | 1m96 9,49kN | 2m23 9,49kN | 2m23 9,49kN | 2m23 9,49kN | 2m23 9,49kN |
| | 10 | | | | | | | | 1m90 13,32kN | 1m92 12,96kN | 1m94 12,59kN | 1m96 12,23kN | 1m98 11,86kN | 2m00 11,50kN | 2m11 9,68kN | 2m40 9,68kN | 2m40 9,68kN | 2m40 9,68kN | 2m40 9,68kN |
| | 11 | | | | | | | | | 2m03 13,64kN | 2m06 13,22kN | 2m08 12,80kN | 2m11 12,38kN | 2m14 11,96kN | 2m27 9,87kN | 2m59 9,87kN | 2m59 9,87kN | 2m59 9,87kN | 2m59 9,87kN |
| | 12 | | | | | | | | | | 2m16 13,93kN | 2m19 13,45kN | 2m23 12,96kN | 2m26 12,48kN | 2m42 9,96kN | 2m78 9,96kN | 2m78 9,96kN | 2m78 9,96kN | 2m78 9,96kN |
| | 13 | | | | | | | | | | | 2m30 14,18kN | 2m34 13,62kN | 2m38 13,01kN | 2m58 10,25kN | 2m97 10,25kN | 2m97 10,25kN | 2m97 10,25kN | 2m97 10,25kN |
| | 14 | | | | | | | | | | | | | 2m43 14,42kN | 2m48 13,76kN | 2m74 10,44kN | 3m17 10,44kN | 3m17 10,44kN | 3m17 10,44kN |
| | 15 | | | | | | | | | | | | | | 2m56 14,64kN | 2m90 10,63kN | 3m37 10,63kN | 3m39 10,63kN | 3m40 10,63kN |

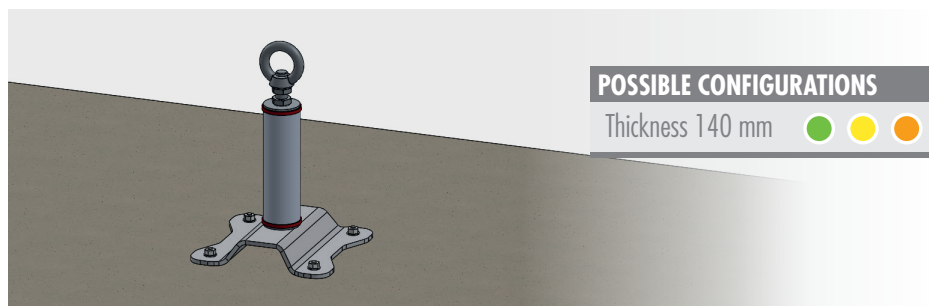
EXAMPLE OF READING THE TABLE

1m72
10,66kN

1,72 m : For a lifeline with a total length of 15m and whose greatest span between anchoring is 8m, the maximum deflection of the cable following a fall is 1.72m.

10,66 kN : For this same configuration, the maximum forces transmitted to the structure will be 10.66 kN.

| SUPPORT | THICKNESS | INTERFACE | TYPE OF ATTACHMENT | POSSIBLE CONFIGURATIONS | | |
|----------|-----------|-----------|--------------------|-------------------------|--------------|--------------|
| | | | | F. MAX 10 kN | F. MAX 12 kN | F. MAX 15 kN |
| CONCRETE | 140 | F-P-201 | 4 M12 studs | | | |



For a **FLEEX.ALU** lifeline installed on a 140 mm thick concrete slab, the permitted configurations in terms of total lifeline length and maximum span length are indicated in the **green, yellow** and **orange** boxes.