

FLEXIBLE ANCHOR SYSTEM ICAF 44

The flexible anchor systems ICAF 44 are aimed to the interventions of rockfall protection, whenever the direction of the pullout forces is variable or inclined to the axes of the anchor. Their use is mainly suitable for top anchor on drapery systems and flexible structural facing with meshes, foundations of rockfall barriers, foundations of belting systems of boulders, and debris flow barriers.

They are realized with a stapled spiroid cable (1x19 or 1x37 construction $\frac{1}{2}$, steel core, grade 1570 N/mm², minimum breaking 268 kN, class A zinc coated); the stapled part is protected with INOX-304 steel pipe, and reinforced with a thimble. Both protection and reinforcement let the anchors perform high tensile resistance and durability against corrosion under heavy stress and severe environmental condition (snow, ice, salted environment).

The two legs of the staple are jointed with special metallic clips, which let a perfect connection between cable and grout.

All the steel component are galvanized.

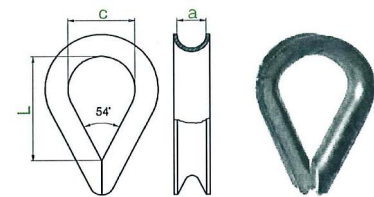
Standards on materials:

EN 12385-4 ¹Steel wire ropes Safety $\frac{1}{4}$ Part 4: Stranded ropes for general lifting applications^a;

UNI EN 10244-2 ¹Steel wire and wire products $\frac{1}{4}$ Non ferrous metallic coatings on steel wire $\frac{1}{4}$ Zinc or zinc-alloy coatings^a;

UNI EN 10264-2 ¹Steel wire and wire products $\frac{1}{4}$ Steel wire for ropes - Part 2: Cold drawn non alloy steel wire for ropes for general applications^a.

Alloy stainless steel ex **EN 10217-7** ¹Welded steel tubes for pressure purposes $\frac{1}{2}$ Technical delivery conditions $\frac{1}{2}$ Part 7: Stainless steel tubes^a



| model | Diameter | Rupture load of the cable | Minimum breaking load of the anchor | Approx weight | Construction |
|---------|----------|---------------------------|-------------------------------------|---------------|--------------|
| ICAF 44 | 14 mm | 162 kN | 305 kN | 1.9 kg/m | 1x19 |
| ICAF 44 | 16 mm | 211 kN | 375 kN | 2.5 kg/m | 1x19 |
| ICAF 44 | 18 mm | 261 kN | 435 kN | 3.2 kg/m | 1x37 |
| ICAF 44 | 20 mm | 322 kN | 485 kN | 4.0 kg/m | 1x37 |
| ICAF 44 | 22 mm | 390 kN | 565 kN | 4.7 kg/m | 1x37 |
| ICAF 44 | 24 mm | 464 kN | 700 kN | 5.0 kg/m | 1x37 |

Example: ICAF44, diameter 14 mm, = ICAF44 14



WARNING: Install the product in accordance with National Security Requirements! If the job is done with suspension or security ropes, personal protective equipment against fall risk must be connected with anchor points in agreement with EN 795.

Maccaferri reserves the right to amend product specifications without notice and specifiers are requested to check as to the validity of the specifications they are using.

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Accredia's and UKAS' s accreditation.