

C-90

(EN) Rebar Anchor /

(TR) Mobil Ankraj

EN 795:2012 Type B and CEN/TS 16415:2013 Type B

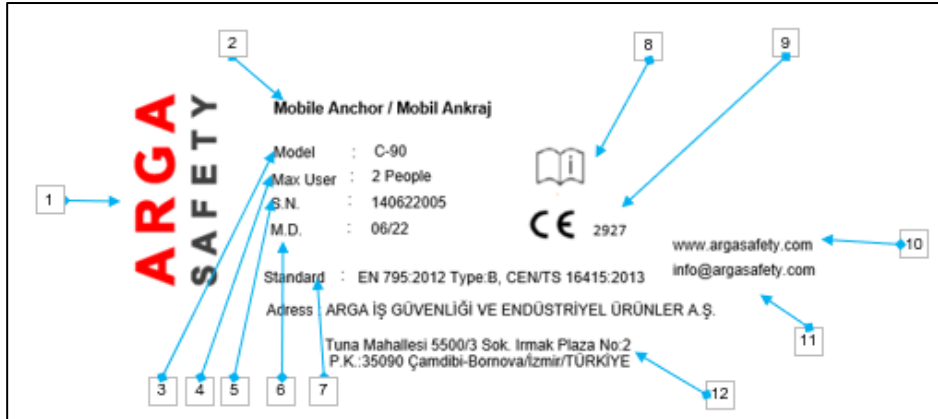


(EN) Notify body in charge of UE examination type module B and control of production module D

(TR) CE Tip Onay belgesinden ve Modül D'ye göre Yıllık ürün kontrolünden sorumlu Onaylı Kuruluş /
QUINTIN CERTIFICATIONS (NB 2927) –

825 ute de Romans – 38160 Saint Antoine l'Abbaye - France

A. (EN) Label / (TR) Etiket



(EN) Figure-1.1
(TR) Şekil-1.1

C. 11	INSPECTION LOG KONTROL KAYDI	N. Date. / S. Tarih																		
		Signa. / İmza																		
		Date / Tarih																		
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(EN) Figure-1.2
(TR) Şekil-1.2

ARGA İŞ GÜVENLİĞİ VE ENDÜSTRİYEL ÜRÜNLER TİC. A.Ş.

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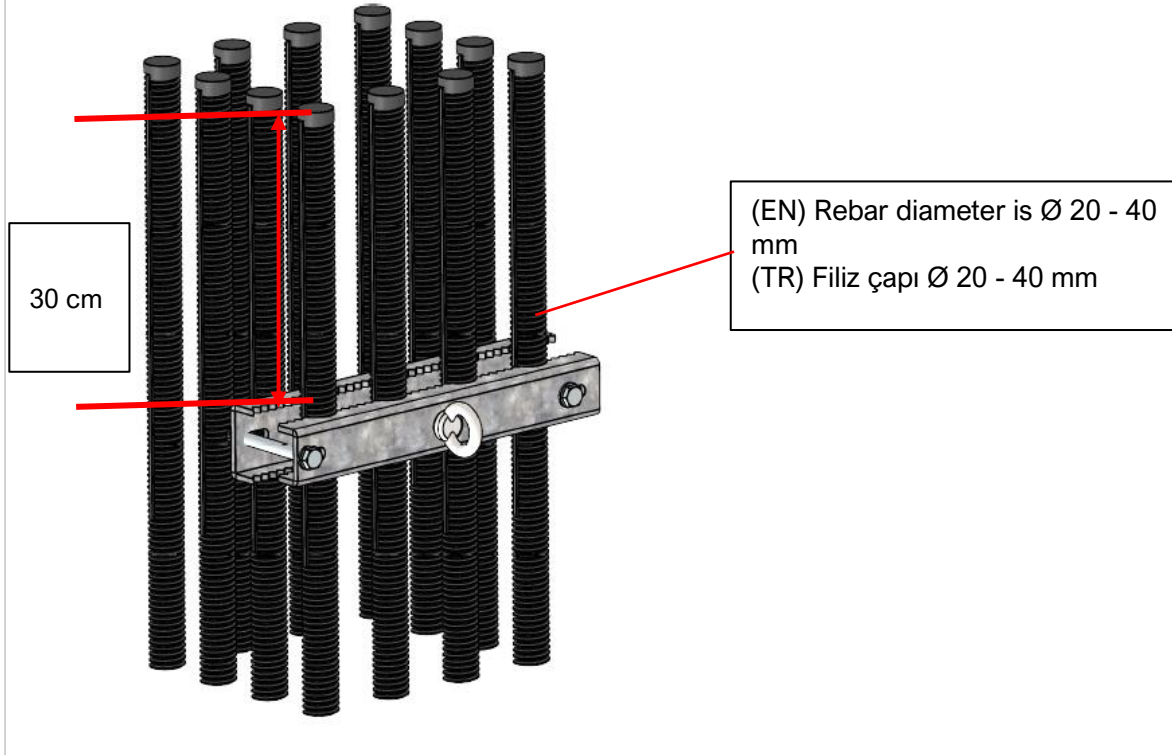
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(EN) Installation / (TR) Montaj

Figure-1



A. C-90 Mobile Anchor Information Label

1- Trade Mark, 2- Product description, 3- Model, 4- Maximum User, 5- Serial Number / Seri No (ASMMYYZZZZ) AS: Arga Safety, MM: Installation Month YY: Installation Year, ZZ: Number of installations, 6- Manufactured Date (DD: Date, MM: Month, YY: Year, 7- Standards, 8- Read User Guide, 9- CE notified body number (must at least 5 mm), 10- Producer web address, 11- Producer mail address, 12- Producer address -

These instructions explain how to correctly use your equipment. Only certain techniques and uses are described.
The warning symbols inform you of some potential dangers related to the use of your equipment, but it is impossible to describe them all.
You are responsible for heeding each warning and using your equipment correctly. Any mis use of this equipment will create additional dangers. Contact ARGA SAFETY if you have any doubts or difficulty understanding these instructions.

1- Area of Use

- Personal Protective Equipment
- Use only two-person.
- The C-90 Rebar Anchor is certified 2016/425 PPE regulations and EN 795/B: 2012, CEN/TS 16415:2013/B.

2- Responsibility

- Make sure that you have read and understand of this user guide.
- The users must read and fully understand these instructions or have the instructions explained in detail before using this equipment. Failure to observe these instructions could result in serious injury or death.
- Working at height is acknowledged as one of the most dangerous activities that cause fatal accidents. Prior to use, all workers must be trained in the proper use of the systems. A training and instruction review should be repeated at regular intervals.
- C-90 anchor must not be used for anything other than its intended purpose

- When the anchor device is used as part of a fall arrest system, the user has to be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 6 kN.
- C-90 Anchor must be connected to an anchor point, which is marked with "A", on the back or chest of a full body harness (fall arrest harness) (EN 361) using an energy absorber lanyard (EN 355).
- The anchor device should only be used for personal fall protection equipment and not for lifting equipment.

3- Raw material:

- C-90 all parts is made of galvanized steel.

4- Anchor Point (EN 795:2012 Type B, CEN/TS 16415:2013 Type B) (EN 365:2004)

- C-90 Rebar Anchor is suitable for use of maximum two user at a time.

4.1. Installation Steps

C-90 Rebar Anchor must be installed by competent person who have working at height certificate, trained and authorized by ARGA SAFETY. The responsibility of whole system belongs to the company that performed the installation.

- Open screws and nuts, put on rebar (at least 3 rebar) and put screw and nuts as Figure-1
- The anchor device is intended to be used on rebar anchor diameter from 20 - 40 mm at more than 10 cm from a finished surface with minimum length of rebar 30 cm above.
- The requirements of the anchor device or structural member chosen to serve as the anchor point(s), in particular the minimum required strength is 25 kN, the suitability and the position will be covered with correction for point of anchorage.
- After assembly, deform a few threads of the bolt behind the nut. After using the anchor can slide off the rebar anchor, if you want to reuse it just slide in the rebar anchor. To replace any screws user must contact with ARGA SAFETY.

4.2. Using Anchor

- A full body harness is the only acceptable body holding device that can be used in fall arrest system.
- When Rebar anchor is used as a part of fall arrest system, the impact force experienced by the user must be restricted to max of 6 kN. In order to do so the connection equipment used between safety harness.
- Your energy absorber lanyard or any other connection equipment must be connected directly to rebar anchorage point of fall arrest harness indicated with 'A'.
- When the anchor device is used as part of a fall arrest system, the user has to be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 6 kN. Always use with energy absorber lanyards.
- The performance of the equipment and corresponding safety precautions that have to be observed

E.g.: extremes of temperature, trailing or looping of lanyards or anchors over sharp edges, chemical reagents, electrical conductivity, cutting, abrasion, climatic exposure, pendulum falls;

4.3. Fall Clearance (Figure -5)

Before working with rebar anchor required fall clearance must be calculated to reduce the risk of hitting the ground or any obstructions at a lower level.

$$\text{Fall Clearance} = D + A + B + C + X$$

D: Deflection occurred on the anchor after fall

A: Length of Lanyard

B: Length of completely ripped out shock absorber

C: Height of Suspended Worker

X: Clearance to obstruction during fall arrest

5. Supplementary information regarding standard; EN 365

5.1. Rescue Plan

While using the product, you must have a rescue plan to be recovered from a emergency or difficult situation immediately. Adequately trained personnel and rescue equipment must be on hand for rescue.

5.2. Anchor Point

The anchor point of the system comprises this product should preferably be located above the user or should at least located at the waist level of the user. An attachment point below this level will cause a serious injury or death

5.3. Various Situations

- In a fall-arrest system, it is essential to check the required clearance under the user before each use, to avoid any impact with the ground or an obstacle in case of a fall.
- Make sure that the anchor point is correctly positioned, in order to limit the risk and the height of a fall.
- When using multiple pieces of equipment together, dangerous situation can result, if the safety function of one piece of equipment is affected by the safety function of another piece of equipment. Check;
 - Sharp edges,
 - Chemicals,
 - Electrical conductivity,
 - Pendulum falls,
- Users must be medically fit for activities work at height.

Warning: The medical conditions that could affect the safety of the equipment user in normal and emergency use.

- Users must be medically fit for work at height activities in normal and emergency use “
- The instructions for use for each item of equipment used in conjunction with this product must be respected.

The instructions for use must be provided to users of this equipment in the language of the country in which the product is to be used.

6. Control of product and validation

6.1 Before each use:

Working at height equipment must be inspected before each use and / or on a regular basis. All information must be recorded on product control book. Inspection must be performed based on following control criteria.

- Where the installation is being made must be checked for a deformation, crack.
- Product must be checked for on any wear or cracks,
- System components must be checked if they have been in contact with any corrosion.

Warning: It is essential for safety that equipment is withdrawn from use immediately should:

- Any doubt arises about its condition for safe use or,
- It has been used to arrest a fall, and not used again until confirmed in writing by a competent person that it is acceptable to do so.

6.2 During each use:

During performing the work at height if the equipment is connected with another system, make sure that all pieces of equipment in the system are correctly positioned with respect to each other.

7. General Information

7.1. Product Life:

- Unlimited lifetime. There is no theoretical lifetime of metallic materials. Products must be documented by at least one time per year to determine if the product is safe to use. ARGA SAFETY is not responsible for the use of the product that has no annual periodic control.
- Rebar anchor is made of galvanized steel and galvanized this material highly resistant to atmospheric corrosion. Depending on the area of the use superficial rust spots can be seen on the product (In a short time of a period industrial sites; iron powders and chemicals. Areas near sea water salt in the air like). These superficial stains can be removed with an appropriate maintenance program.

In all circumstances decision to continue to use the product can only be made if annual periodic control has been performed and resulted positive by manufacturer or a competent person authorized by manufacturer

If the product has one of the deviations below it should be withdrawn from service immediately and should be destroyed to prevent further usage.

- It has suffered a heavy shock load or has had a load dropped onto it.
- If observed signs of corrosion on the product
- If product was recorded not suitable for use during a control and if you have any doubt about that.
- Changes in standards, legislation and changes related to technical use of it, and similar cases.

7.2. Storage:

Product is sold with instruction manual for use and applied standards are written on the product sheet. Storage area of the product should meet following requirements;

- Dry, no direct sun light, room temperature
- Do not store together with acid, solvents etc.
- Keep away from direct heat sources.
- If the product humidity during the storage, dry the product in room temperature before usage.
- Keep away from chemicals such as corrosive and acids.
- Storage always in the product bag.

7.3. Maintenance and cleaning:

Taking good care of the product after each use extends the life of it. Use metal cleaners to clean the product. For detailed information please contact us on info@argasafety.com

- Clean the equipment including disinfection where applicable, without causing adverse effect on the materials to the user.

Warning: the procedure is to be strictly.

- when the equipment becomes wet, either from being in use or when due to cleaning, it shall be allowed to dry naturally, and shall be kept away from direct heat.

7.4. Changes and repair

Changing a part, repair and addition to any component of the system is strictly forbidden without written authorization of ARGA SAFETY. Any repairs on products can only be done by manufacturer or qualified persons authorized by the manufacturer. All repair and maintenance work must only be performed in accordance with manufacturer's instructions ARGA SAFETY won't be responsible for repairs performed by for unauthorized persons.

Manufacturer's instructions for repair and maintenance can be obtained from authorized distributor in the official language of the country in which the item is in service. Please contact authorized distributor in your country.

7.5. Transportation of product:

The product should be transported in a bag to keep it away from moisture, chemicals and sharp edges as well as to protect it getting in contact with another objects.

7.6. Periodic examinations/inspection:

The safety of users depends upon the continued efficiency and durability of the equipment. This anchor needs regular periodic control.

Product must be inspected at least one time in a year by manufacturer or a competent person authorized by manufacturer. Product is going to be marked with a sticker that includes the date of the next or last inspection by ARGA SAFETY Inspector.

During the inspection of product following information should be recorded (Use record label):

- Type of the product,
- Model,
- contact information of producer,
- serial number,
- Date of purchase,
- Date of installation date,
- Next inspection date,
- Problems,
- Recommendations,
- Name and surname of inspector and signature,

For further information visit www.argasafety.com

7.7. Guarantee:

This product has 10-year guarantee against all material or manufacturing defects under proper usage and storage conditions. Guarantee is no more valid if; product is used wrong, tears, cut, corrosion, unauthorized repair of changes on the product, damages caused by accidents.

7.8. Declaration Of Conformity

For the check declaration of conformity on our web site: www.argasafety.com or ask us info@argasafety.com

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7.9. Examinations Records:

ARGA SAFETY		REBAR ANCHOR ANNUAL PERIODIC EXAMINATIONS RECORDS	
User Information		Anchor Information	
Company		Producer / Trade Mark	
Address		Model	
		Serial number	
		Chief installer	
		Date of purchase	
Area of Anchor		Installation date	
		Last inspection date	
History			
Expectational event during use or storage conditions (Cracking, Modification, use or storage at extreme temperatures, wet or salt stresses)			
Control Points		Repair	Can use
Observations			
* Verify (regarding of material number and etc.)			
* The lifetime has not been extended			
* Any modifications or missing parts			
Check the metal parts			
* Check any cracks, tears, cracks, abrasion, deformation, corrosion, cuts, etc.			
Check conditions			
* Check any cracks, abrasion, deformation, corrosion, cuts, etc.			
Check Anchor Point			
* Check any cracks, abrasion, deformation, corrosion, cuts, etc.			
Check Screws and nuts			
* Check any cracks, abrasion, deformation, corrosion, cuts, etc.			
Comments:			
Warning: The periodic examinations are only to be conducted by a competent person for periodic examination and strictly in accordance with the manufacturer's periodic examination procedures.			
Decision	Can use ☐	Can not use ☐	
Inspection Date:		Next inspection date:	
Responsible person		Chief Inspector Name and surname:	
Signature		Signature	
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A. Mobile Ankraj Ürün Bilgi Etiket (TR)

1- Ticari Marka, 2- Ürün Tanım, 3- Model, 4- Maksimum Kullanıcı Sayısı, 5- Seri No (ASMMYYZZZZ) AS: Arga Safety, MM: Montaj Ayı YY: Montaj Yılı ZZZ: Montaj Numarası, 6- Üretim Tarihi (DD: Tarihi MM: Ay, YY: Yıl, 7- Standartlar, 8- Kullanım Kılavuzunu Oku, 9- CE onaylı kuruluş, 10- Üretici web sitesi adresi, 11- Üretici mail adresi
12- Üretici Adresi

TR- Türkçe

1- Area of Use

- Personal Protective Equipment
- Use only two-person.
- The C-90 Rebar Anchor is certified 2016/425 PPE regulations and EN 795/B: 2012, CEN/TS 16415:2013/B.

1. Kullanım Alanı;

- Kişisel Koruyucu Donanım (KKD).
- Sadece iki (2) kullanıcının kullanımına uygundur.
- Filiz Ankrajı 2016/425/PPE, direktifine göre ve EN 795/B: 2012, CEN/TS 16415:2013/B standartlarına göre test edilmiş ve sertifikalandırılmıştır.
- Ürün "Uygunluk Beyanını" www.argasafety.com web sitemizde bulabilirsiniz.

2. Sorumluluk;

- Bu talimatlar ürünün nasıl doğru kullanılması gerektiğini anlatır. Sadece doğru teknikler ve kullanım alanları tanımlanmıştır. Uyarılar size bu ürünü kullanırken potansiyel tehlikelere karşı size bilgilendirir ancak, tüm tehlikeleri tanımlamaz.
- Kullanıcı tüm bu tehlikelerin farkında olmak ve ürünü doğru kullanmak ile sorumludur. Herhangi bir yanlış kullanım ilave tehlikelerin ortaya çıkarır. Eğer anlamakta zorlandığınızın bir durum var ise ARGA SAFETY ile iletişime geçiniz.
- Kullanıcı bu kullanım kılavuzunu okuduğundan ve açık bir şekilde doğru anladığından sorumludur. Bu talimatları doğru uygulamamak ciddi yaralanmalara ve ölüme sebep olabilir.
- Yüksekte çalışma çok tehlikeli aktivitelerden biridir ve ölümcül kazalara neden olabilir. Kullanıcı öncesinde uygun bir eğitim almalıdır. Eğitimler belirli periyotlar ile tekrarlanmalıdır.
- Kurtarma planı hazır olmalıdır; çalışmaya başlamadan önce bir kurtarma planı hazırlanmalı, ilgili ekipmanların kullanımı öğrenilmelidir.
- C-90 filiz ankrajı sadece bir düşüş durdurma ekipmanıdır, kaldırma ekipmanı olarak kullanılmamalıdır.
- Bu Düşüş durdurma emniyet kemeri, bu ekipman tek başına yüksekte çalışma için uygun değildir beraberinde "A" ile işaretli bir düşüş durdurma kemeri (EN 361), şok emicili lanyard (EN 355) ve karabina (EN 362) kullanılmalıdır.
- Filiz ankrajı üzerinde kontrol tarihi ve bir sonraki kontrol tarihini gösteren bir etiket olmalıdır.
- Kullanım sıcaklığı -30°C ve n fazla +70°C dir.

3. Ham madde;

C-90 Filiz Ankrajı tüm malzemeleri galvaniz çelik malzemeden üretilmiştir.

4- Ankraj Noktası (EN 795:2012 Type B, CEN/TS 16415:2013 Type B) (EN 365:2004)

- C-90 Filiz ankrajı aynı anda iki (2) kullanıcının kullanımı için uygundur.

4.1. Montaj adımları

C-90 Filiz ankrajı yüksekte çalışma sertifikalı ve ARGA SAFETY den yetkinlik almış kişiler tarafından kurulmalıdır. Tüm sistemin sorumluluğu kurulumu yapan kişi ve şirkete aittir.

- Cıvata, rondela ve somunu sökünüz, C-90 Filiz ankrajını en az 3 filiz üzerine koyunuz ve cıvata, rondela e somunu sıkınız. (Şekil-1)
- Filiz ankrajı Ø 20 -40 mm arasındaki filizlere ve üzerinde en az 30 cm mesafe kalacak şekilde montajı yapılmalıdır.
- Filiz ankrajını için gerekli mukavemet 25 kN dur.
- Filiz ankrajını tekrar sökebilir ve farklı bir yere kurulumu yapılabilir.

4.2. Ankrajın Kullanımı

- Düşüş Durdurma için sadece "A" ile işaretli bir düşüş durdurma kemeri kullanılabilir.
- Filiz ankrajı düşüş durdurma sisteminin bir parçası olarak kullanıldığı zaman kullanıcının üzerine gelen yük 6kN altında olmalıdır ve mutlaka bir şok emicili lanyard (EN 355) ile beraber kullanılmalıdır.
- BU ekipmanın doğru kullanılmalıdır. Örnek; ekstrem sıcaklıklar, lanyardın halka yapılarak kullanılması, Keskin kenarlar, kimyasal temaslara, elektrik ile temas, pandül düşüş vb. tehlikelerden kaçınılmalıdır.

4.1. Güvenli Açık Düşüş Yüksekliği

Şok emicili lanyard ile çalışmaya başlamadan önce "Açık Düşüş Yüksekliği" hesaplanmış olmalıdır. Açık düşüş yüksekliği kullanıcıyı bir engele veya zemine çarpmasını engellemelidir.

Gerekli olan "Açık düşüş yüksekliği" ankraj noktası kullanıcı ayak hizasında ise zeminle arasındaki mesafe en az 6,25 metre olmalıdır.

Açık Düşüş Yüksekliği = D+A+B+C+X (Şekil-5)

A: Şok emicili lanyard uzunluğu (en fazla t 1,5 metre)

B: Düşüş sonrası şok emicili lanyard uzunluğu (en fazla t 1,5 metre)

C: Kullanıcı boyu (en az t 1,5 metre)

D: Güvenli yükseklik (en az t 1,0 metre)

5. EN 365 Standartla ilgili ek bilgiler

5.1- Kurtarma Planı

Bir yaralanma veya askıda kalan bir personel için önceden hazırlanmış bir kurtarma planı olmalı ve ilgili ekipmanlar hazır bulunmalıdır. Kurtarma ekipmanları için gerekli eğitim alınmış olmalıdır.

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