FALCON LABORATORY
مختبر فالكون
(Tel.) +971 4 221 2333
(Fax) +971 4 327 1413
P.O. Box: 231494, Dubai
United Arab Emirates
info@falconlabuae.com
info@falconsurveyme.cc

CIRCULAR

Subject – Pull Out Strength of Steel Rebar

Ref.: FAL-OGC-20-083

Dear Valued Customers,

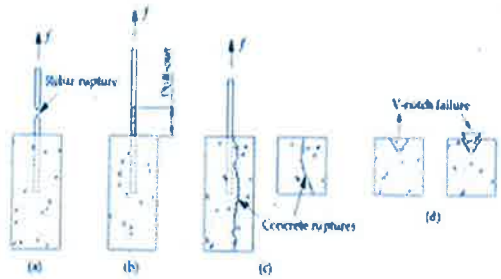
Date: 22/07/2020

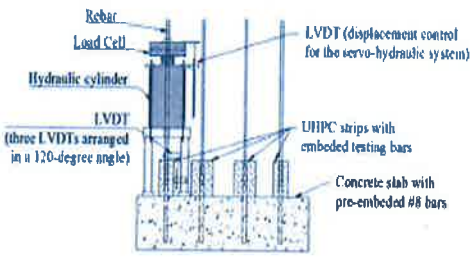
The most common practice for determination of bond strength of steel rebar with concrete is to conduct the Pull Out strength test in accordance to BS 1881 Part 207 section 7.0 which provides information about maximum tensile load and is limited representative of shear bond strength of steel rebar with concrete. The pull-out test is based on the concept that the strength of the concrete is related to the maximum tensile load that can be applied to an embedded insert before the concrete fails or rebar slips.

Considering above in view Falcon Lab has taken the initiative to conduct this test to provide pull out load value as most of labs are providing and following two additional parameters will be included in our test report to provide the detailed characteristics of the specimen under load which may assist our valued customers for further calculation and evaluation of bonding properties.

1. Bond Strength
2. Slip Value of rebar

In addition we would also like to mention that as a result of excessive tensile load than the yield point of rebar, there could be a probablity for cracks or internal failure of structure.





"Above Pictures are for Illustrative Purpose only"

We hope our efforts of technical advancement and sharing of best practices will be appreciated at your end. In case if you have any technical enquiry, please feel free to contact us.

Thanking you

Sincerely,

Sohail Zafar
Technical Director
0589622050

مختبر فالكون ش.ذ.م.م
FALCON LABORATORY L.L.C
P.O.Box: 231494
Dubai - U.A.E