



Industrie Service

TEST CERTIFICATE / TEST SERTİFİKASI

Testing of strength of prestreched steel wire ropes for Seismic Brace system
Sismik Askılama için kullanılacak Öngerilmeli Çelik Halat Setlerinin Dayanım testi

User "Kullanıcı" : General Marketing
Project No. "Proje No" : TGK 14-B-00576/01
Manufacturer İmalatçı : **LINK Yapı ve Tesisat Malz.San.ve Tic.Ltd.Şti.**
Gebze Organize Sanayi Bölgesi 1000. Sok. No:1016
ÇAYIROVA / KOCAELİ / TURKEY
Types of Seismic Brace Sismik Halat tipleri : STB 12 (2.4 mm Ø), STB 13 (3.2 mm Ø), STB 15 (4.8 mm Ø)
STB 17 (6.35 mm Ø)
Validity of certificate Sertifika Geçerlilik : 05.06.2018
Drawings No. Resim No. : In the related Link technical file
Related test standard İlgili Test Standardı : ANSI / ASHRAE 171-2008

LINK Company requested from TÜV SÜD / Türkiye to observe and approve tensile tests on strength of Seismic Braces for four difference types. LINK has response from quality of connection sleeves. LINK buys steel wire rope from difference manufacturer.

TÜV SÜD / Türkiye Inspector selected three steel wire ropes for each types. All the prestreched steel wire ropes have been tensile tested under observation of TÜV SÜD inspectors.

Durability test has been compared according to ANSI / ASHRAE 171-2008 Standard. Test for potential earthquake may occur during the specified in IBC (INTERNATIONAL BUILD CODE) short period (0.20 sec.) according to the terms were simulated.

Following test results for each type of Seismic Brace steel wire ropes have been average of three tests.

Type of connection sleeve	Tensile test result	Safe Loads (1,5:1 Safety Factor)	Type of fracture
STB 12 (2.4 mm Ø) Red	4.23 kN	2.82 kN	steel wire rope
STB 13 (3.2 mm Ø) White	8.43 kN	5.62 kN	steel wire rope
STB 15 (4.80 mm Ø) Blue	19.44 kN	12.96 kN	steel wire rope
STB 17 (6.35 mm Ø) Yellow	33.41 kN	22.27 kN	steel wire rope

During inspection and witnessed of tests we evaluated type of fracture all fractures occurred on steel wire rope. We observed the tensile strength of Seismic Brace Connection Sleeves are above tensile strength of steel wire ropes. After the satisfactory result this Test Certificate has been prepared and approved by TÜV SÜD / Turkey.

Audit Date "Denetim Tarihi" : 05.06.2014
Audit Place "Denetim Yeri" : İTU ROTAM / MASLAK / İSTANBUL / TURKEY
Anex "Ekler" : LINK Technical file includes printouts from test equipment, test equipment calibration certificate and test photos
Audit Result "Denetim Sonucu" : SATISFACTORY

Place / yer Istanbul-TURKEY
Rev Date/Rev tarih 05.06.2014
TÜV SÜD / Turkey EYUP TAN / HAKİM OZLUK

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TÜV SÜD / Türkiye

Büyükdere Cad. No:103/A

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