

Test/Analysis Report

ISIT No. 0843/2023

December 26, 2022

Request No. : 660831

Date of Request : December 20, 2022

Customer : K.O.H. International Co., Ltd.

45 Moo 1, T. Borngern, A. Ladlumkaew, Pathum Thani 12140

Type of Sample : Tie Rod DW 26.5, Straight Round Coupler 26.5 mm L=160 mm
Hex Nut DW 26.5 L=80 mm (Ref. T65001)

Test Date : December 22, 2022

Testing Location : 1st Fl. Bureau of Industrial Sectors Development Building

Method of Test/Analysis : Tensile test

Test/Analysis Result : The Results are Attached

Checked by Kws Pwi

(Ms.Kotchaphon Mangmesub)

Academic Team

Approved by R. Nattapon

(Mr.Nattapon Ratanamalee)

Head of Academic Team

Tester : 0100

1. The above results are valid exclusively for tested/analysed samples as mentioned in this report.
2. Publication of the results on testing and analysis is prohibited unless written permission is obtained from the governor of ISIT

TESTING CENTER

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Attachment : Tensile test results

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Customer : K.O.H. International Co., Ltd.

Sample : Tie Rod DW 26.5 (Ref. T65001)

Environmental Conditions : Temperature 24.5 °C, Relative Humidity 40 %RH

Tested by : Universal Testing Machine S/N : Q5968, System ID : 5596Q5968

Sample Name	Tie Rod DW 26.5 (Ref. T65001)	
Sample No.	1	2
Test items	Result	Result
Proof load (kN) ^(*)	526.94	516.33
Proof strength (MPa)	956.33	937.09
Maximum load (kN)	683.33	672.53
Tensile strength (MPa)	1240.17	1220.56
Elongation (%)	6.9	6.1

Remarks : (*) 0.2% Proof



Before test



After test

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Attachment : Tensile test results (Cont.)

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December 26, 2022

Request No. : 660831

Customer : K.O.H. International Co., Ltd.

Sample : Straight Round Coupler 26.5 mm L=160 mm (Ref. T65001)

Environmental Conditions : Temperature 24.5 °C, Relative Humidity 40 %RH

Tested by : Universal Testing Machine S/N : Q5968, System ID : 5596Q5968

Sample Name	Straight Round Coupler 26.5 mm L=160 mm (Ref. T65001)	
Sample No.	1	2
Test items	Result	Result
Proof load (kN) ^(*)	513.10	523.72
Proof strength (MPa)	931.21	950.50
Maximum load (kN)	665.59	676.22
Tensile strength (MPa)	1207.96	1227.26
Cause of failure	Thread Fracture	Shank Fracture

Remarks : (*) 0.2% Proof



Before test



After test

[Handwritten signature]

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Attachment : Tensile test results (Cont.)

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December 26, 2022

Request No. : 660831

Customer : K.O.H. International Co., Ltd.

Sample : Hex Nut DW 26.5 L=80 mm (Ref. T65001)

Environmental Conditions : Temperature 24.5 °C, Relative Humidity 40 %RH

Tested by : Universal Testing Machine S/N : Q5968, System ID : 5596Q5968

Sample Name	Hex Nut DW 26.5 L=80 mm (Ref. T65001)	
Sample No.	1	2
Test items	Result	Result
Proof load (kN) ^(*)	509.52	505.60
Proof strength (MPa)	924.72	917.61
Maximum load (kN)	672.95	659.35
Tensile strength (MPa)	1221.33	1196.65
Cause of failure	Thread Fracture	Shank Fracture

Remarks : (*) 0.2% Proof



Before test



After test

Signature

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