



DEPARTMENT OF CIVIL ENGINEERING  
FACULTY OF ENGINEERING, KING MONGKUT 'S INSTITUTE OF TECHNOLOGY  
LADKRABANG BANGKOK THAILAND. TEL. 0 - 2329 - 8333

STATIC LOAD TEST

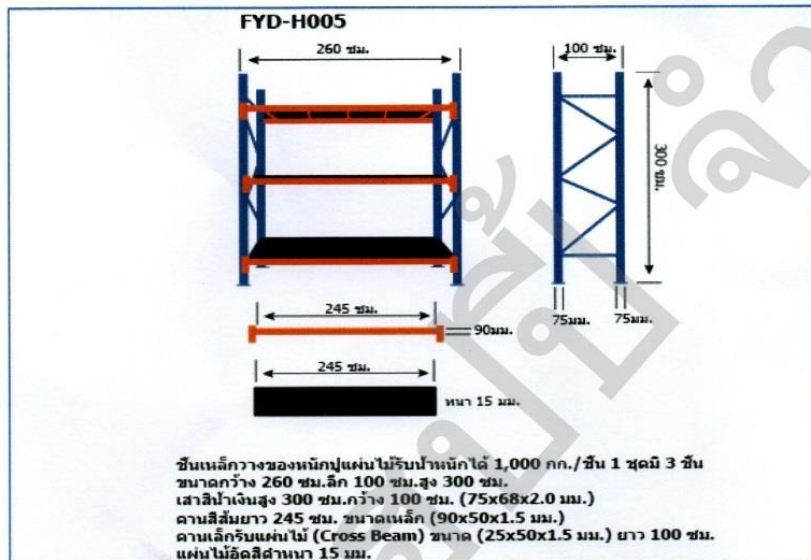
Sample From : บริษัท วีแอสปี จำกัด

Req. No. : 63-894

Sample Description : ชั้นเหล็กวางของหนักแผ่นไม้ / Heavy Rack รุ่น FYD-H005

Date of Testing : 11-06-2020

ขนาด 260×100×300 cm. (ทดสอบการรับน้ำหนักบรรทุกทุกที่ 1,000 kg./layer)



Test Results :

Date / Time	Load (kg.)	Deflection at Mid-Span (mm.)				Remarks
		Layer 1	Layer 2	Layer 3	-	
27-May-2020	0	0	0	0	-	Initial condition
09:30	250	4.29	4.42	4.33	-	25% of test load
10:00	500	9.28	8.75	8.86	-	50% of test load
10:30	750	13.88	13.49	13.14	-	75% of test load
11:00	1000	18.22	18.72	17.25	-	100% of test load
28-May-2020					-	
11:00	1000	18.27	18.98	18.09	-	100% of test load
13:00	0	1.05	1.42	0.43	-	Unloading

Remarks : allowable deflection =  $L/240 = 10.83$  mm.

Note :

- 1) Certification applies to test samples only.
- 2) No erasure or alterations.

Tested by :

Mr. Arnonporn Suwannapalai

Certified by :

Asst. Prof. Dr. Arthit Petchsasion



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Req. No. : 63-894  
Date of Testing : 11-06-2020

Load-Deflection Curve of Specimen

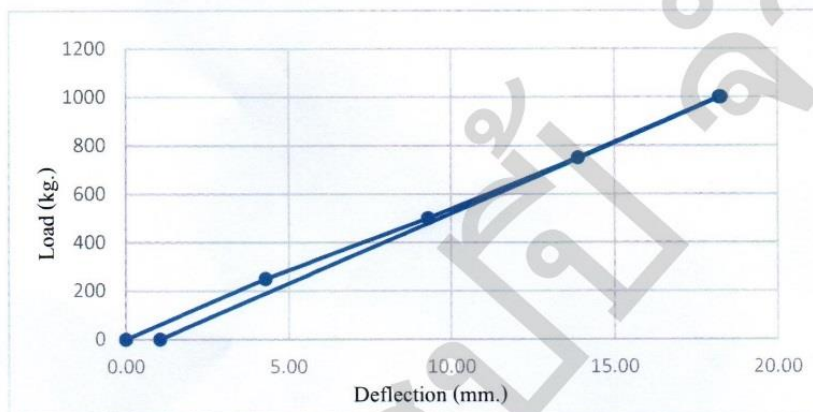


Chart 1. Relationship between load (kg.) and deflection (mm.) , Layer 1

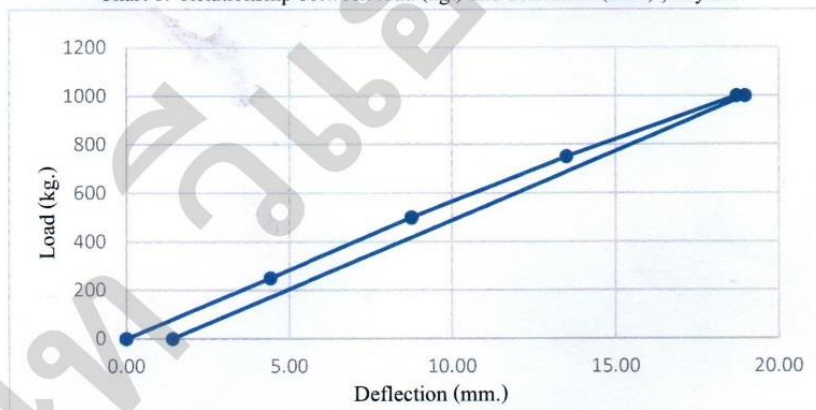


Chart 2. Relationship between load (kg.) and deflection (mm.) , Layer 2

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Load-Deflection Curve of Specimen

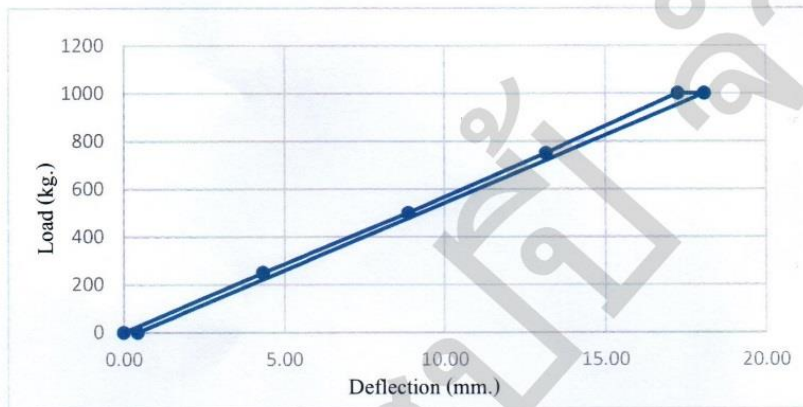


Chart 3. Relationship between load (kg.) and deflection (mm.) , Layer 3

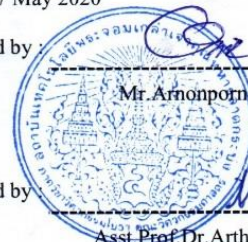


Figure 1 : Testing Configuration (Before Loading) on 27 May 2020

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STATIC LOAD TEST



Figure 2 : Testing Configuration (load = 500 kg./layer) on 11 June 2020



Figure 3 : Testing Configuration (load = 1,000 kg./layer) on 11 June 2020

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