

TESTECH SDN. BHD. (207361-H)

Materials, Structures and Geotechnical Testing

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MS ISO/IEC 17025
TESTING
SAMM NO. 225
SAMM NO. 373

TEST REPORT

ISSUED BY : KUALA LUMPUR OFFICE
DATE : 2-Apr-13

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1. Test Requested : Tensile and Elongation Test of Steel Fibre.
2. Customer : **TIMURAN ENGINEERING SDN. BHD.**
16th Floor, Surian Tower,
1, Jalan PJU 7/3, Mutiara Damansara,
47810, Petaling Jaya, Selangor.
3. Project : Nil
4. Date of Testing : 21-Mar-13 & 1-Apr-13
5. Category of Testing : Laboratory Testing
6. Method of Testing : ISO 6892-1 : 2009 Excluding Site Sampling
7. Equipment Serial No. :
-E3/5(Caliper) - Traceable to Microrep.
-E11/4(10806016) - Traceable to GT Instruments.
8. Remarks :
a) The above test is based solely on the sample submitted by customer.
b) No copy of this report is valid without original special red stamp.

The accuracy of test measurements are probability at 95% confidence level.

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Lab. Ref. : C730/12

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TENSILE AND ELONGATION TEST OF STEEL FIBRE

Customer : TIMURAN ENGINEERING SDN. BHD.
Project : Nil
Sample : 0.75mm ϕ x 60mm Length Hook Type Steel Fibre (Sample 1 - Sample 30)
Source : Timuran Engineering Sdn Bhd
Date Tested : 21-Mar-13 & 1-Apr-13
Tested by : Ken & Tan
Test Environmental Condition :- Temperature (Min.) : 29.2 °C (Max.) 29.9 °C
Relative Humidity (RH) (Min.) : 57.0% (Max.) 57.2 %
UT Machine S/N : 10806016 (E11/4)
Verified by : Yap S.K

TEST METHOD : ISO 6892-1 : 2009 Excluding Site Sampling

Specimen Reference	Diameter (mm)	Cross Sect. Area (mm ²)	Maximum Load (N)	Tensile Strength (N/mm ²)	Measurement Uncertainty (%)
1	0.74	0.43	465.73	1083.43	±2.56
2	0.76	0.45	511.66	1128.46	±2.49
3	0.77	0.47	548.53	1178.55	±2.46
4	0.73	0.42	502.18	1200.45	±2.59
5	0.73	0.42	503.62	1203.89	±2.59
6	0.77	0.47	506.38	1087.99	±2.46
7	0.73	0.42	485.77	1161.22	±2.59
8	0.77	0.47	517.37	1111.60	±2.46
9	0.74	0.43	511.83	1190.67	±2.56
10	0.76	0.45	501.02	1104.99	±2.49
11	0.78	0.48	553.91	1159.79	±2.43
12	0.77	0.47	564.93	1213.79	±2.46
13	0.74	0.43	503.14	1170.46	±2.59
14	0.76	0.45	523.59	1154.77	±2.52
15	0.76	0.45	489.00	1078.48	±2.53
16	0.78	0.43	530.06	1232.70	±2.43
17	0.76	0.42	513.62	1222.90	±2.49
18	0.76	0.43	501.15	1165.47	±2.49
19	0.73	0.42	519.58	1237.10	±2.59
20	0.74	0.45	561.53	1247.84	±2.56
21	0.74	0.44	527.56	1199.00	±2.56
22	0.76	0.41	497.88	1214.34	±2.49
23	0.76	0.43	521.70	1213.26	±2.49
24	0.76	0.43	525.16	1221.30	±2.49
25	0.78	0.45	565.06	1255.69	±2.43
26	0.73	0.43	496.60	1154.88	±2.59
27	0.75	0.44	552.21	1255.02	±2.52
28	0.76	0.44	549.61	1249.11	±2.49
29	0.75	0.44	517.79	1176.80	±2.52
30	0.77	0.47	542.95	1166.56	±2.46
AVERAGE				1181.4	
STANDARD DEVIATION				51.2	

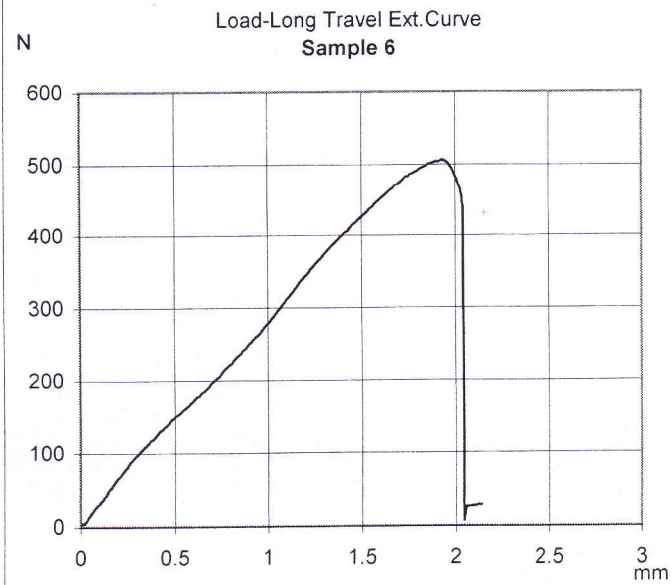
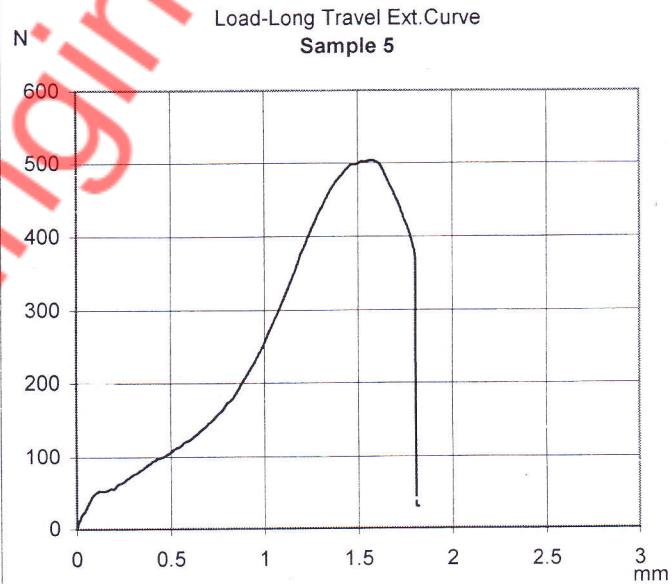
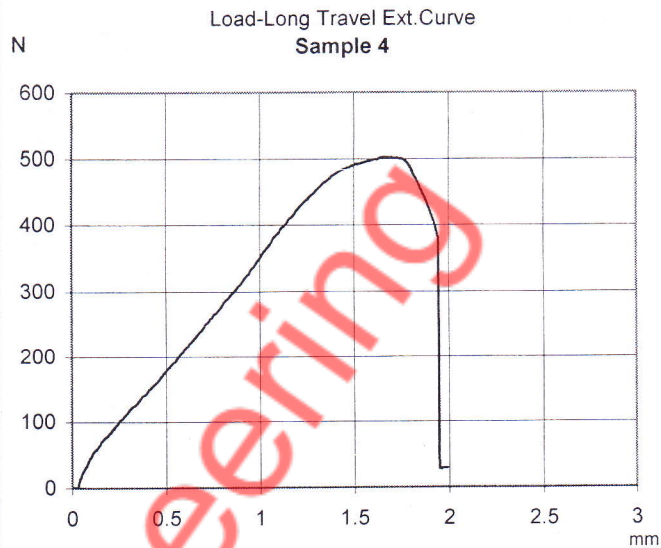
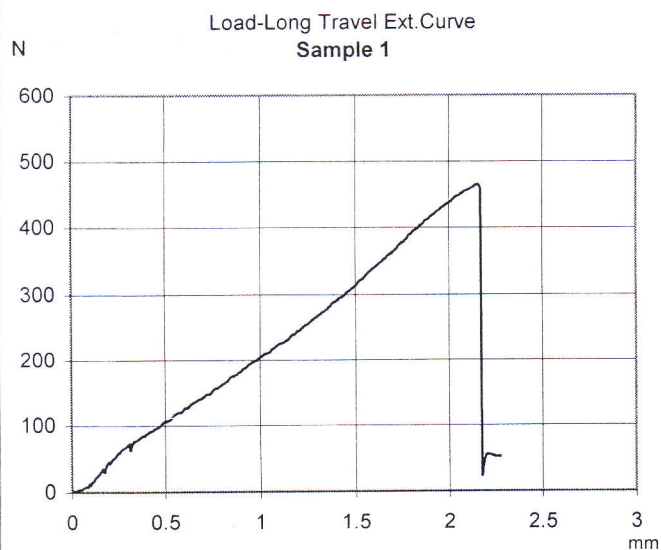
Certified by:


Yap Seow Keong
Technical Manager

Prepared by : Fadila

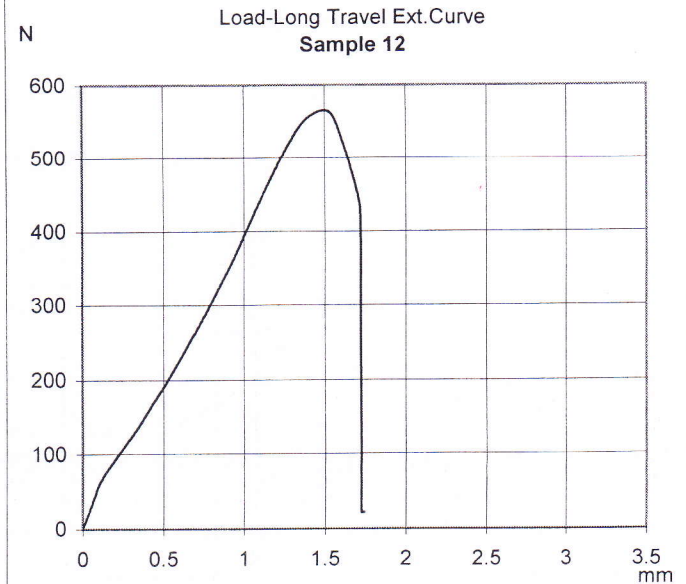
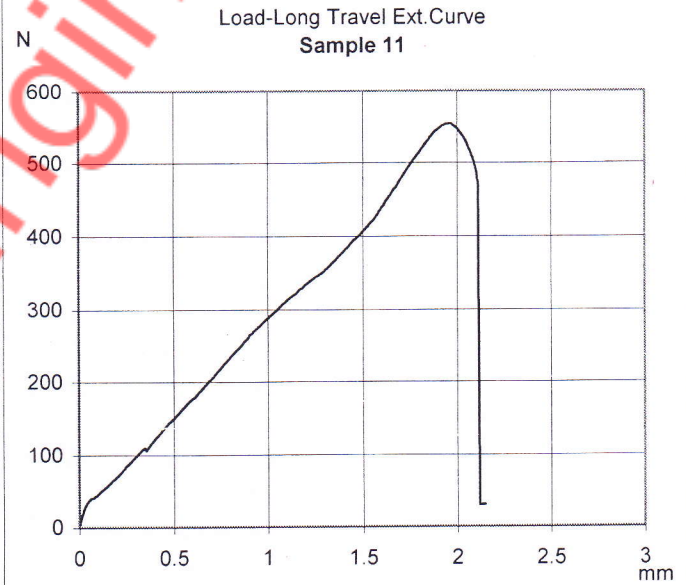
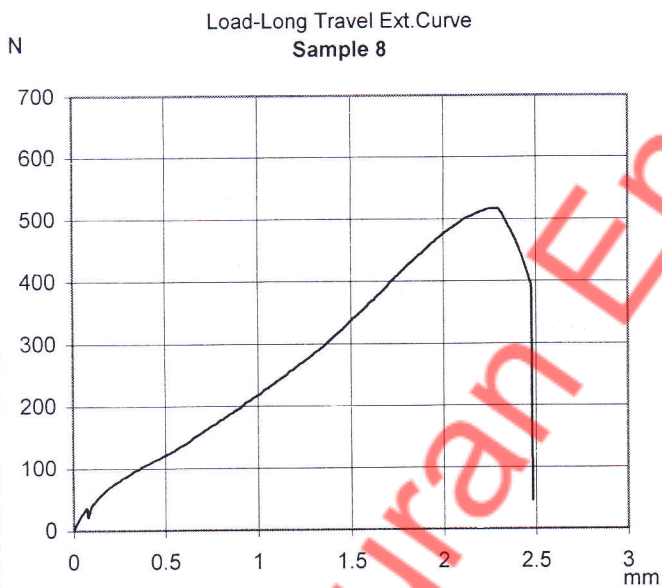
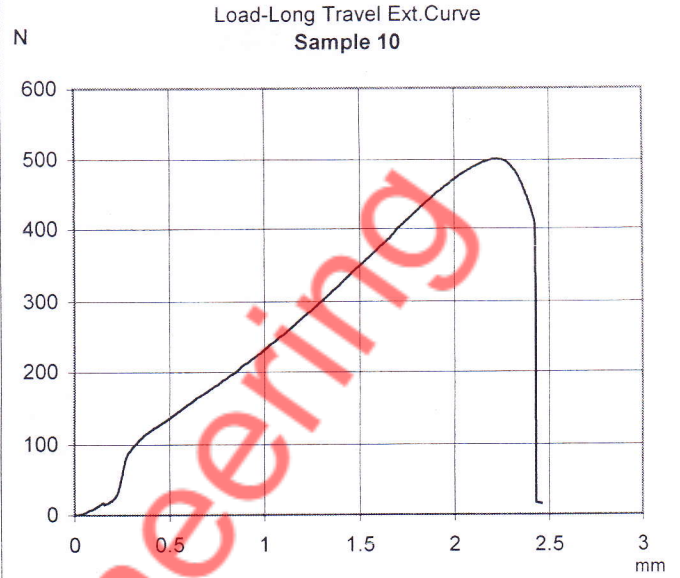
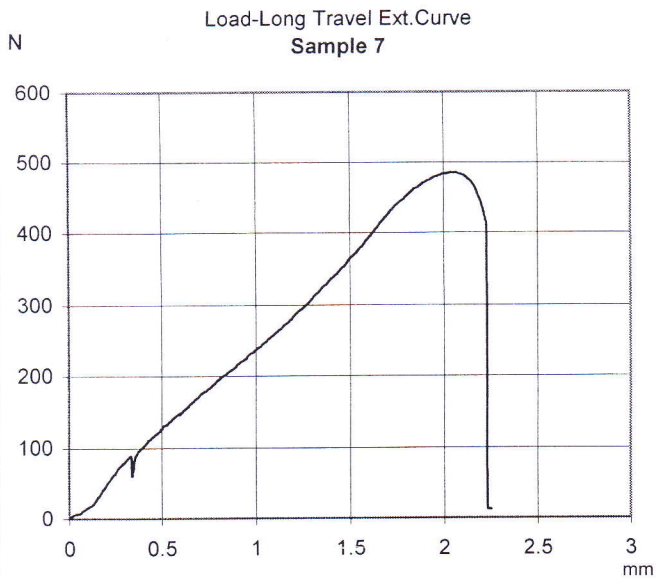
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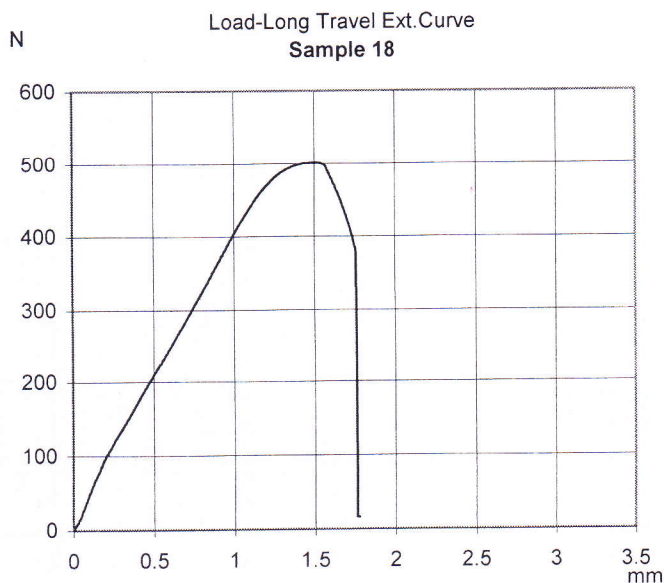
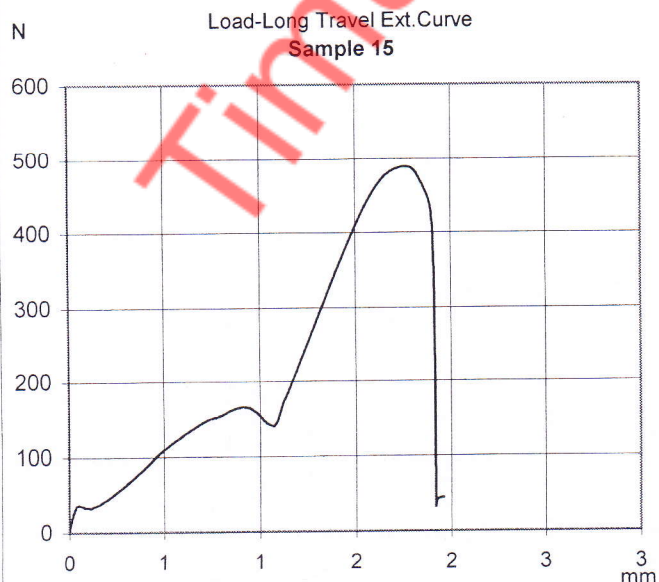
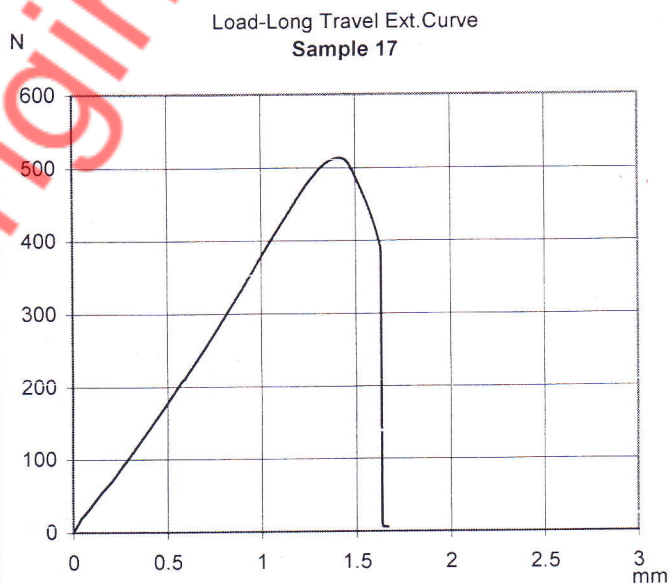
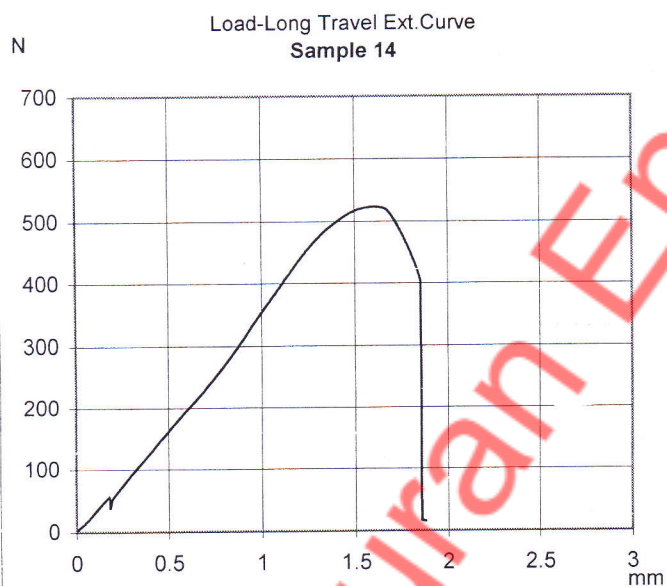
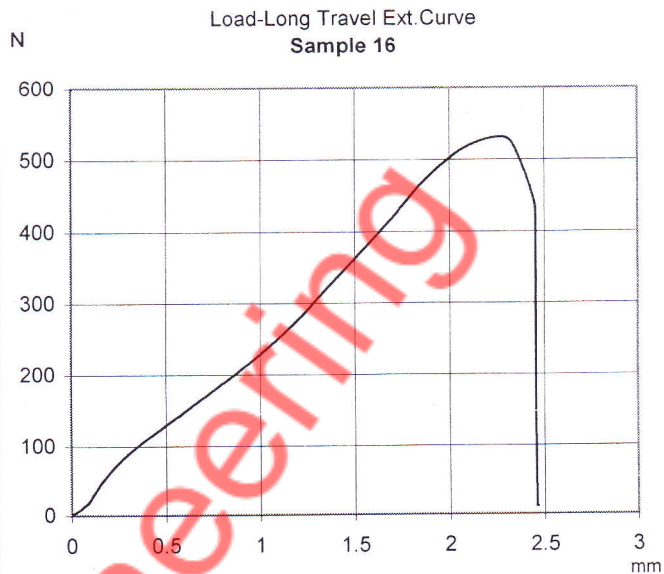
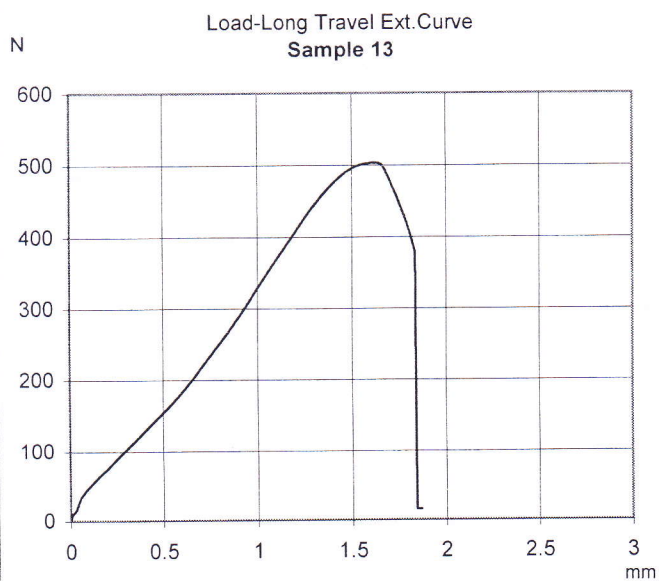
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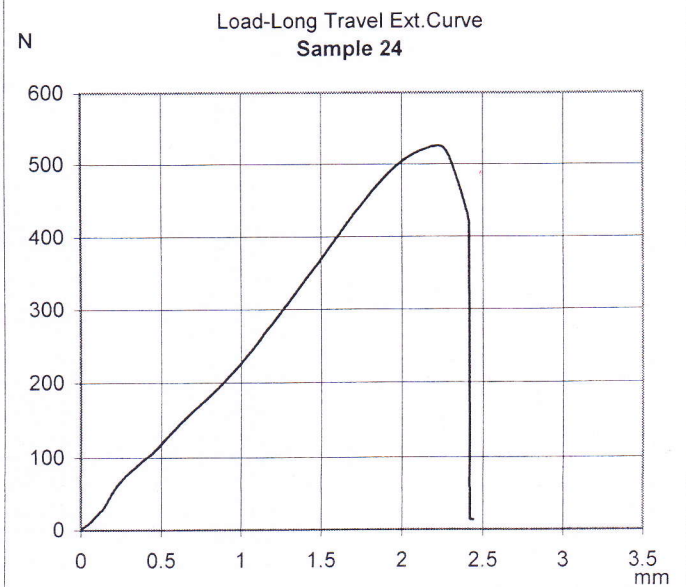
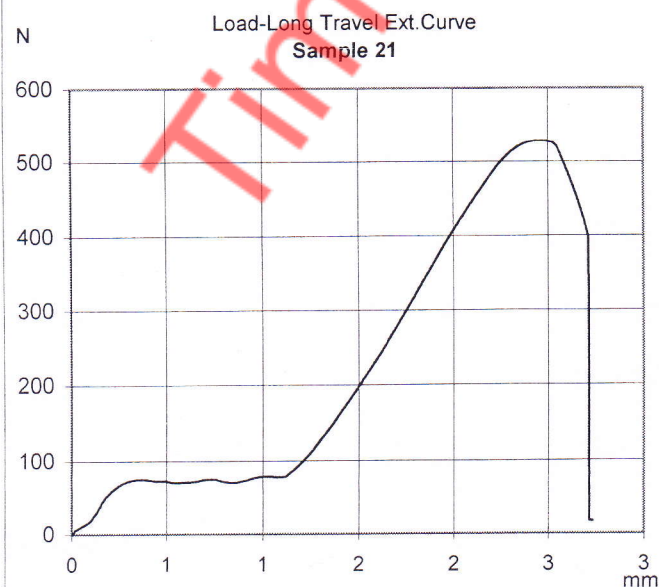
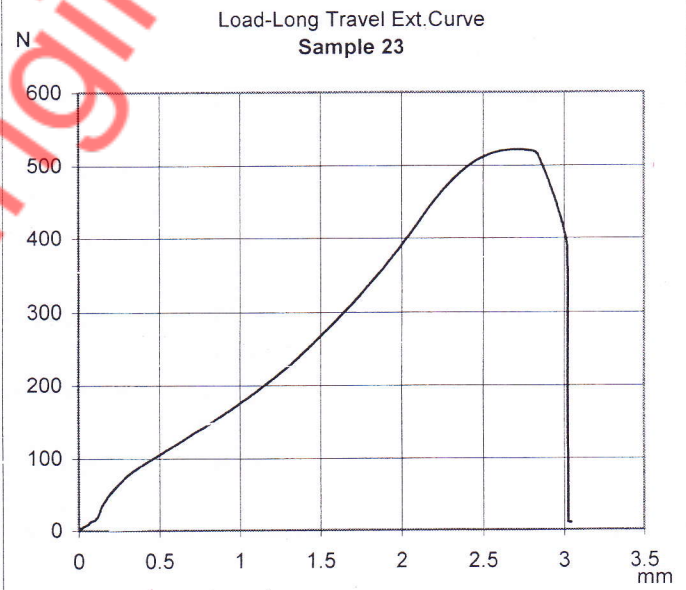
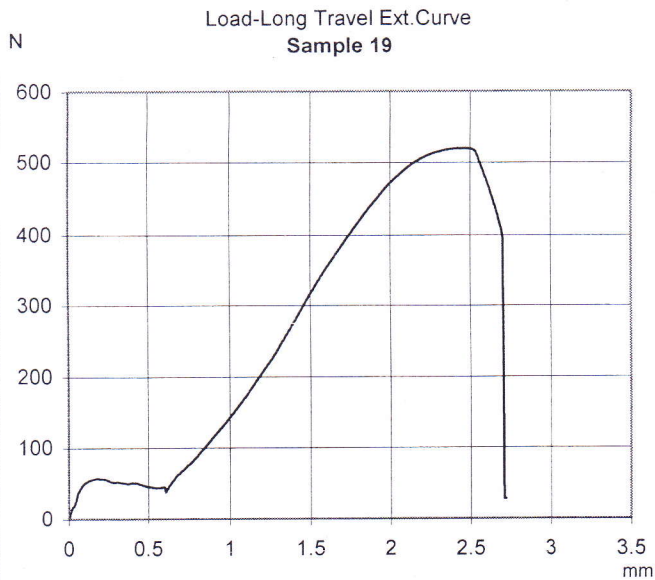
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