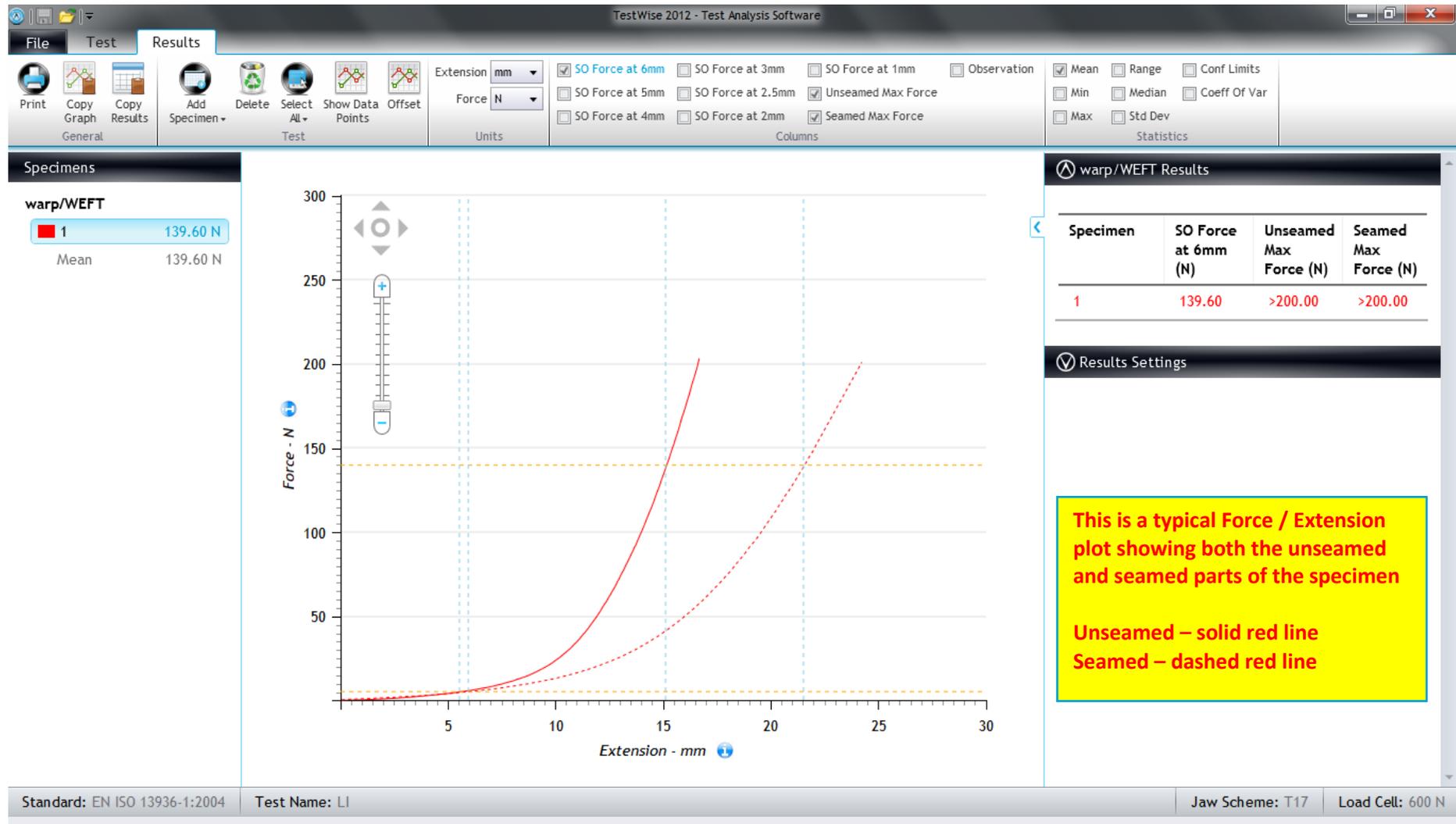
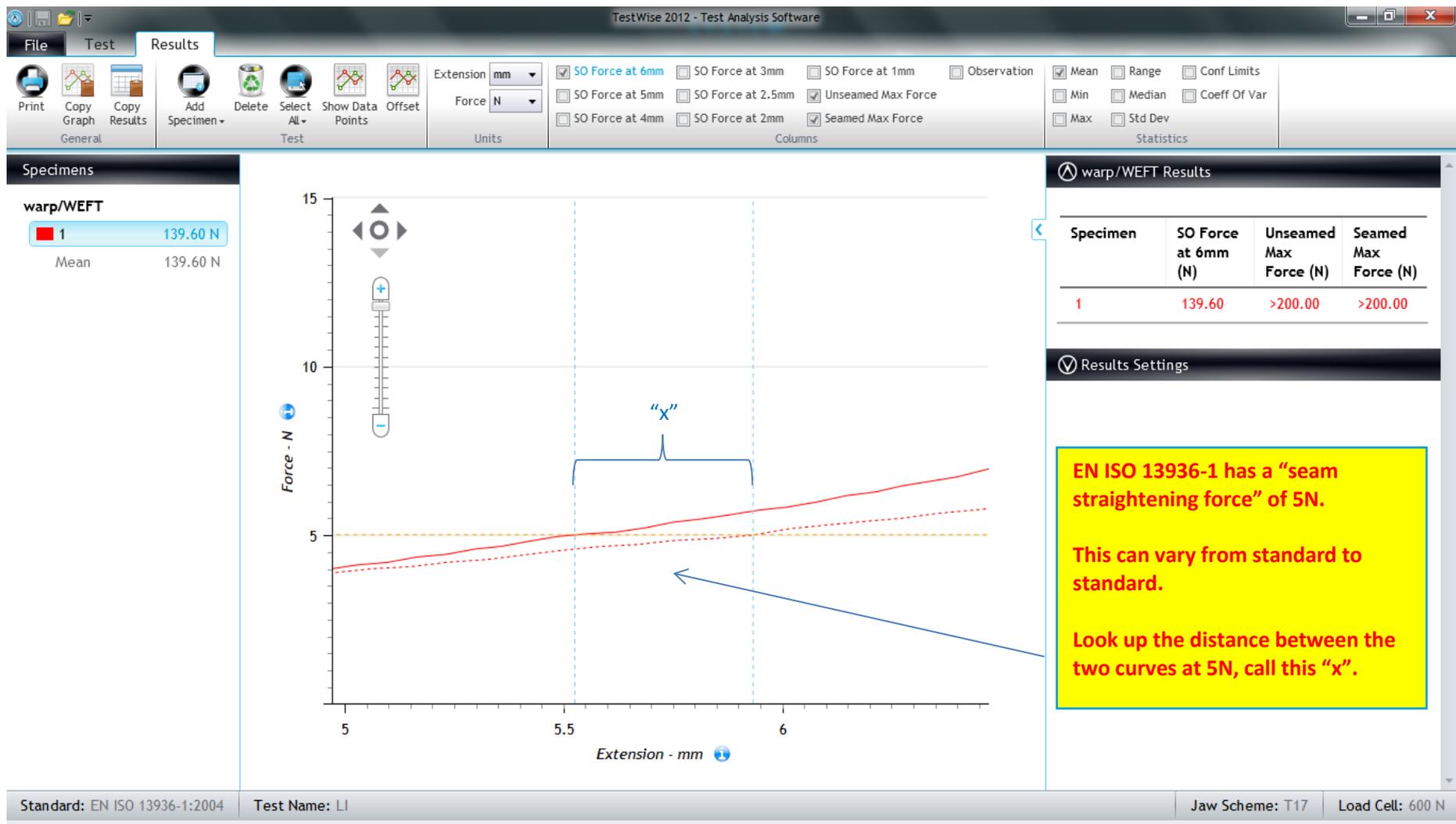


EXAMPLE OF CALCULATING SEAM OPENING FORCE

EN ISO 13936-1

Textiles – Determination of the slippage resistance of yarns at a seam in woven fabrics – Part 1: Fixed seam opening method





TestWise 2012 - Test Analysis Software

File Test Results

Print Copy Graph Copy Results Add Specimen Delete Select All Show Data Points Offset

Extension mm Force N

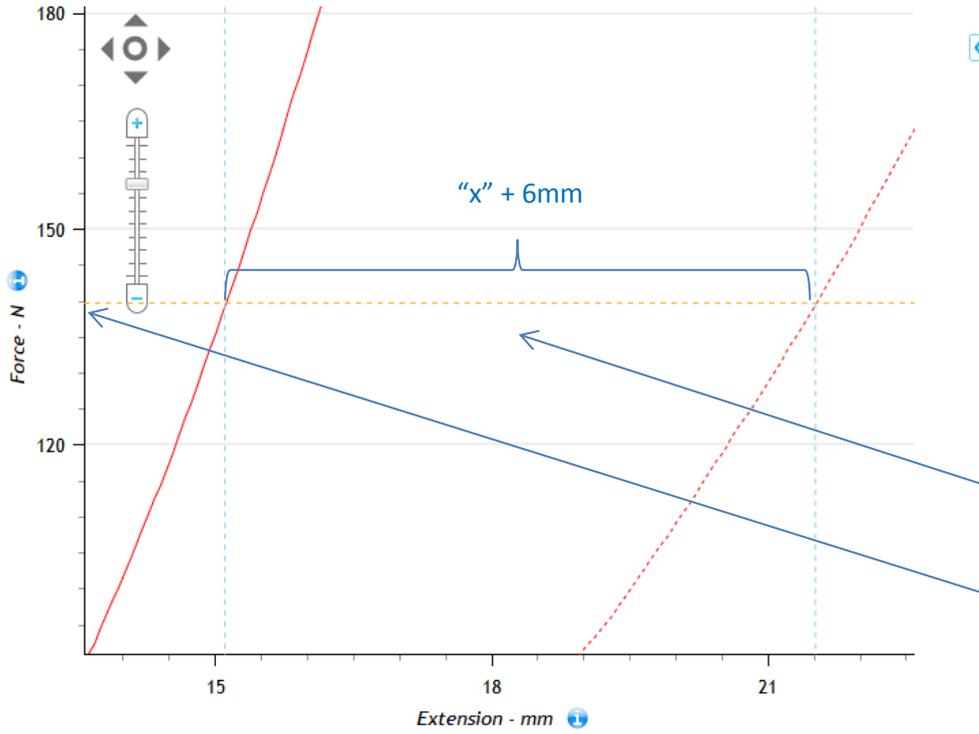
SO Force at 6mm
 SO Force at 3mm
 SO Force at 1mm
 Observation
 Mean
 Range
 Conf Limits
 Min
 Median
 Coeff Of Var
 Max
 Std Dev
 SO Force at 5mm
 SO Force at 2.5mm
 Unseamed Max Force
 Seamed Max Force
 Columns Statistics

Specimens

warp/WEFT

1	139.60 N
Mean	139.60 N

Force - N



“x” + 6mm

15 18 21

Extension - mm

warp/WEFT Results

Specimen	SO Force at 6mm (N)	Unseamed Max Force (N)	Seamed Max Force (N)
1	139.60	>200.00	>200.00

Results Settings

6mm is the default seam opening distance in EN ISO 13936-1 but other values can be used.

Look up the distance between the two curves at “x” + 6mm.

Then read off the force value at this point.

Standard: EN ISO 13936-1:2004 Test Name: LI Jaw Scheme: T17 Load Cell: 600 N

TestWise 2012 - Test Analysis Software

File Test Results

Print Copy Graph Copy Results Add Specimen Delete Select All Show Data Points Offset

Extension mm Force N

SO Force at 6mm
 SO Force at 3mm
 SO Force at 1mm
 Observation
 Mean
 Range
 Conf Limits
 Min
 Median
 Coeff Of Var
 Max
 Std Dev
 Statistics

Columns: SO Force at 5mm SO Force at 2.5mm Unseamed Max Force SO Force at 4mm SO Force at 2mm Seamed Max Force

Specimens

warp/WEFT

1	139.60 N
Mean	139.60 N

Force - N

Extension - mm

warp/WEFT Results

Specimen	SO Force at 6mm (N)	Unseamed Max Force (N)	Seamed Max Force (N)
1	139.60	>200.00	>200.00

Results Settings

Standard: EN ISO 13936-1:2004 Test Name: LI Jaw Scheme: T17 Load Cell: 600 N