

TEST RESULTS

TENSILE TEST RESULTS

SAMPLE	MEASURED LOAD (kN)	REMARKS/RESULTS
SLOPE NUT 120X120 (Ø32 HOLE)	208,75	After applying tensile force on sample till the value of 208,75 kN, it is seen that the tie rod was broken at this force and there was not any deformation on the cast.
SLOPE NUT 120X120 (50mm DISTANCE)	207,71	After applying tensile force on sample till the value of 207,71 kN, it is seen that the tie rod was broken at this force and there was not any deformation on the cast.
SLOPE NUT 140X140 (Ø32 HOLE)	209,09	After applying tensile force on sample till the value of 209,09 kN, it is seen that the tie rod was broken at this force and there was not any deformation on the cast.
SLOPE NUT 140X140 (50mm DISTANCE)	209,18	After applying tensile force on sample till the value of 209,18 kN, it is seen that the tie rod was broken at this force and there was not any deformation on the cast.
TIE ROD NUT 70mm (Ø32 HOLE)	201,21	After applying tensile force on sample till the value of 201,21 kN, it is seen that stripping occurred at this force and there was not any deformation on the cast.
TIE ROD NUT 90mm (Ø32 HOLE)	204,88	After applying tensile force on sample till the value of 204,88 kN, it is seen that stripping occurred at this force and there was not any deformation on the cast.
TIE ROD NUT 100mm (Ø32 HOLE)	208,65	After applying tensile force on sample till the value of 208,65 kN, it is seen that the tie rod was broken at this force and there was not any deformation on the cast.
TIE ROD NUT 100mm (50mm DISTANCE)	184,48	After applying tensile force on sample till the value of 184,48 kN, it is seen that stripping occurred at this force and there was not any deformation on the cast.
SLOPE NUT Ø120 (Ø32 HOLE)	209,00	After applying tensile force on sample till the value of 209,00 kN, it is seen that the tie rod was broken at this force and there was not any deformation on the cast.
SLOPE NUT Ø120 (50mm DISTANCE)	207,49	After applying tensile force on sample till the value of 207,49 kN, it is seen that the tie rod was broken at this force and there was not any deformation on the cast.

TEST DEVICE	INFORMATION ABOUT TEST
Name : Universal Testing Machine	Sample Preparation : Ready
Brand : INSTRON	Date of Test : 11.11.2014
Article No : 253030605080713	Applied Method : Tensile-10mm/min
Device Type : Digital	Ambient Temperature : 21 C

Sample photos of test arrangement are given below.

