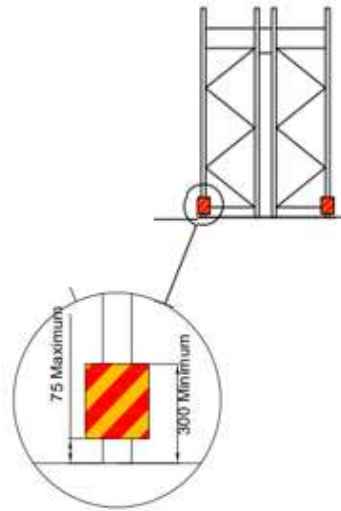
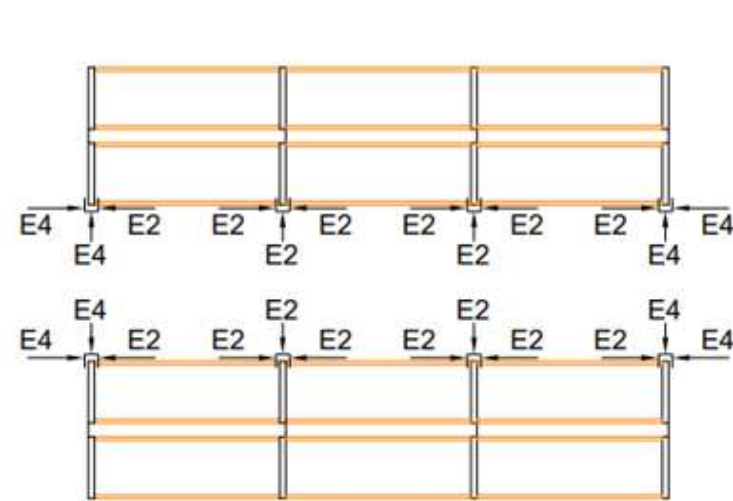




► **AULA UPV**

Septiembre 2026

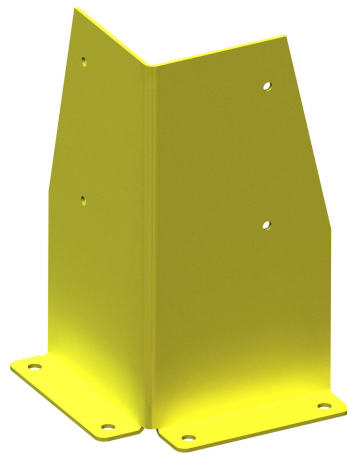
Extender método calculo de impacto de protección GS100 a otras protecciones



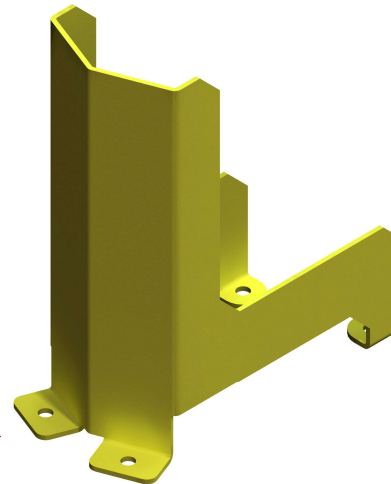
PROTECTOR
GS80//120



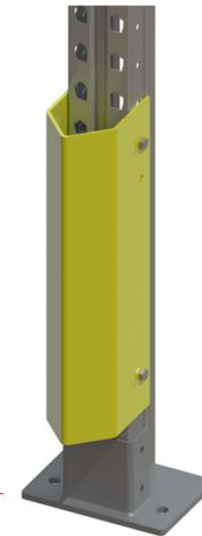
PROTECCION
ESQUINA



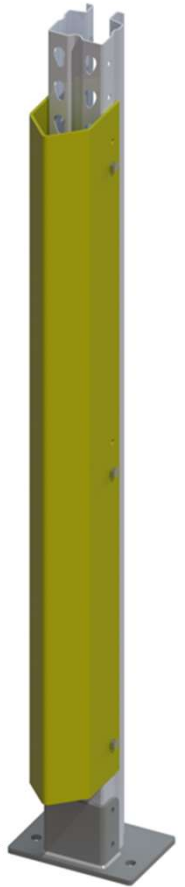
PROTECTOR
LB80//100//120



PROTECTOR
NS400

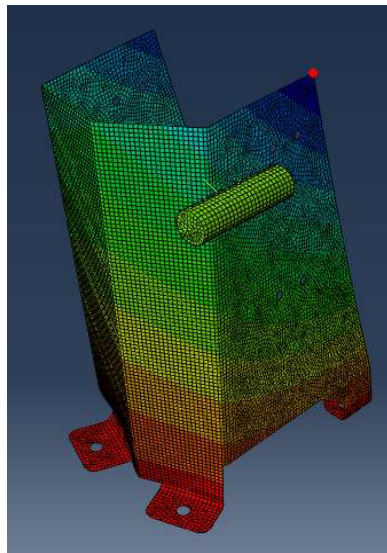
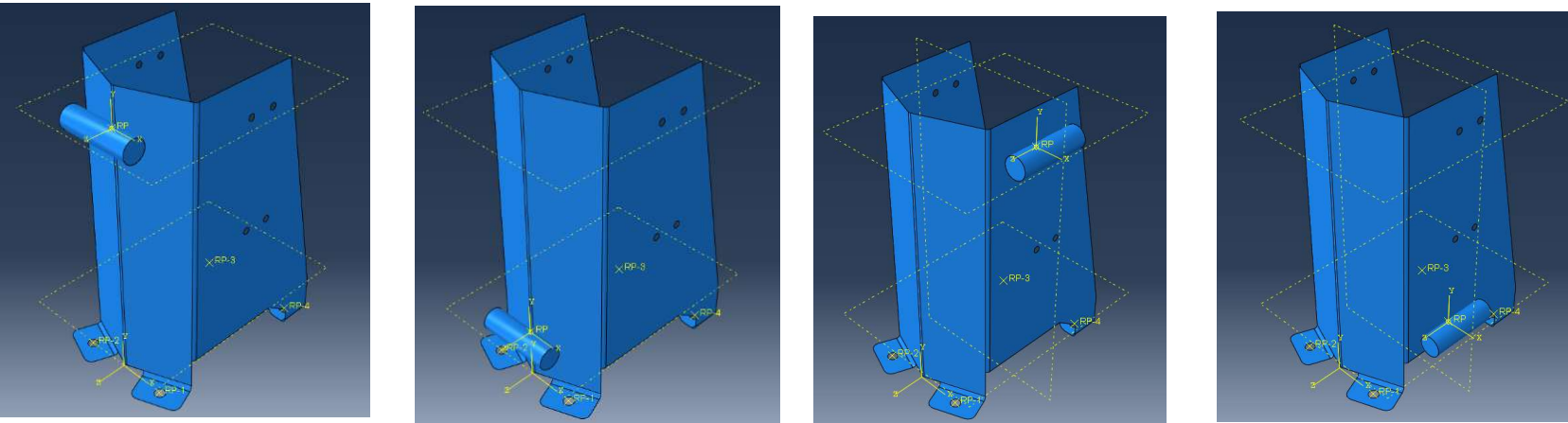


PROTECTOR PNS

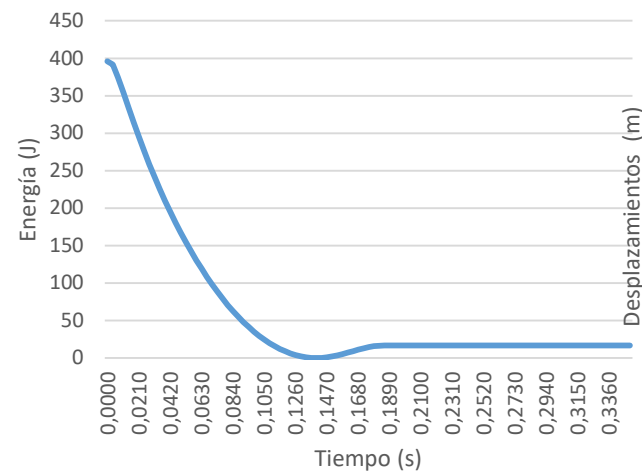


P01 IMPACTO PROTECTOR PUNTAL

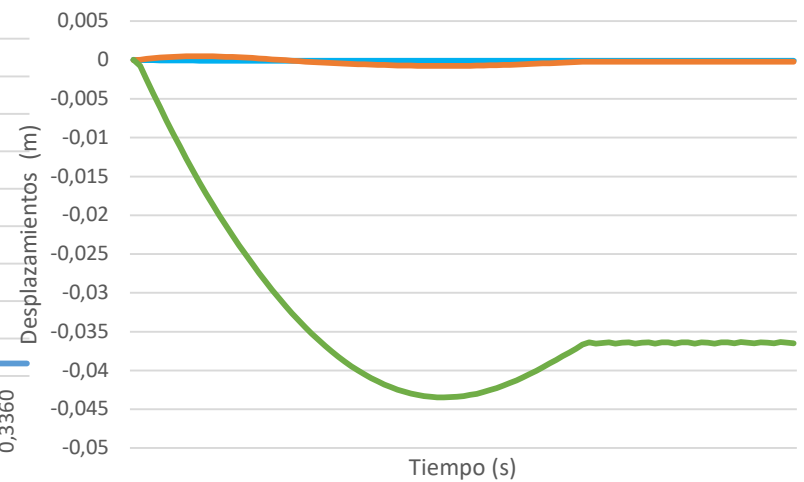
Extender desarrollo de impacto en protección GS100 a otras protecciones



EC 3000L-1-0,35

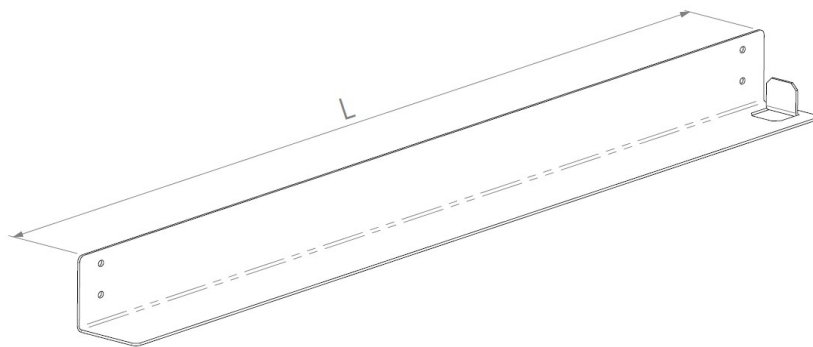


Deformación 3000-1-0,35

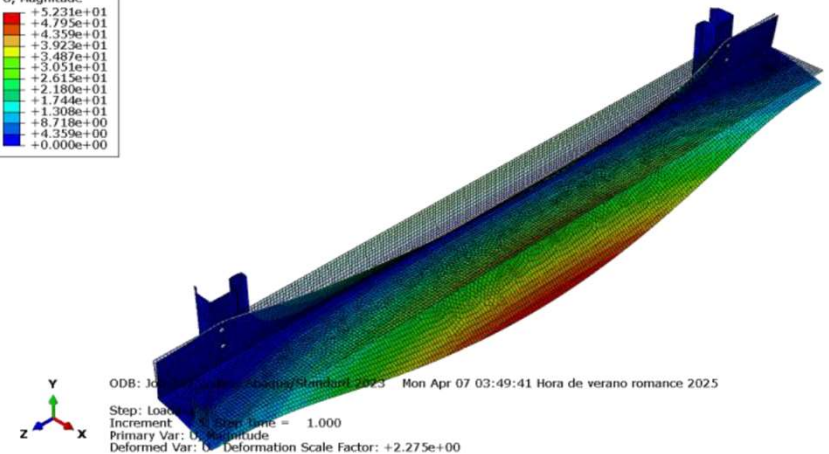
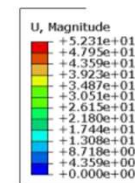
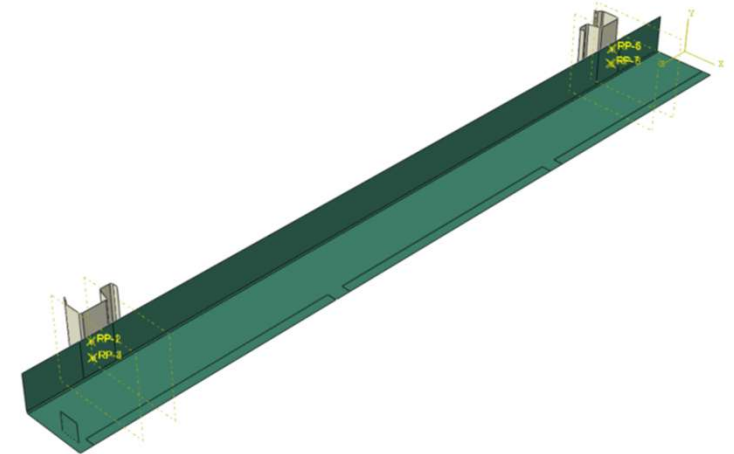


— X — Y — Z

Parametrización geométrica- cargas -Extracciones de datos

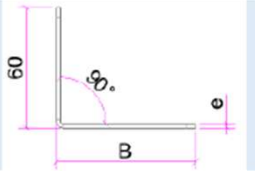
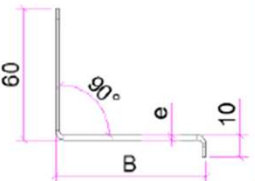
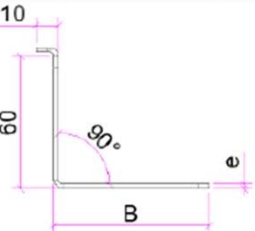
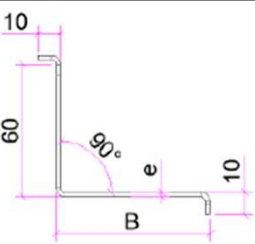


 **SIMULIA
ABAQUS**



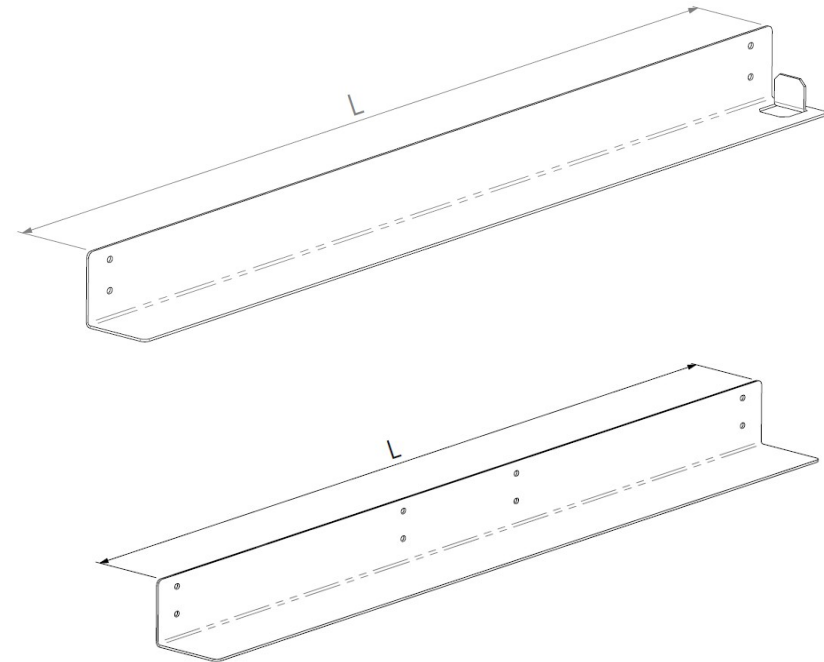
Parametrización geométrica

Parametrización secciones

Descripción	Sección	Utilización	Código de las pestañas
Angular Tipo A		Angulo simple 60xB	SIN PESTAÑAS [NO]
Angular Tipo B		Angulo 60xB con pestaña inferior	PESTAÑA INFERIOR [PI]
Angular Tipo C		Angulo 60xB con pestaña superior	PESTAÑA SUPERIOR [PS]
Angular Tipo D		Angulo 60xB con pestaña inferior y superior	AMBAS PESTAÑAS [PA]



Parametrización localización apoyos y longitud



Parametrización cargas

Parametrización localización de apoyo de carga

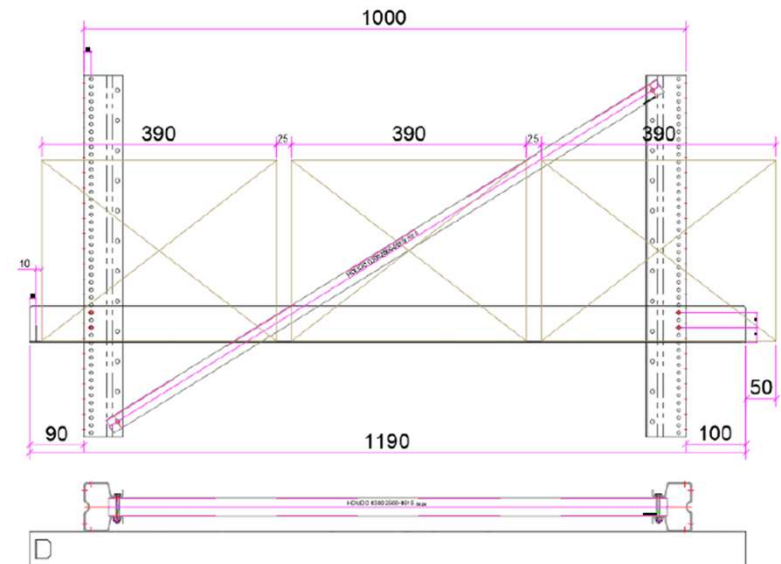


El parámetro "a" de apoyo mínimo es 5mm pero puede ser mayor 20mm

Parametrización cargas: caja rígida o flexible

Parametrización de Combinaciones de carga: ELU-ELS

Parametrización número de cargas en fondo: 1 -2-3-4 cajas



Parametrizacion Extracciones de datos

Parametrización de Paths extracciones de tensiones-deformaciones-reacciones

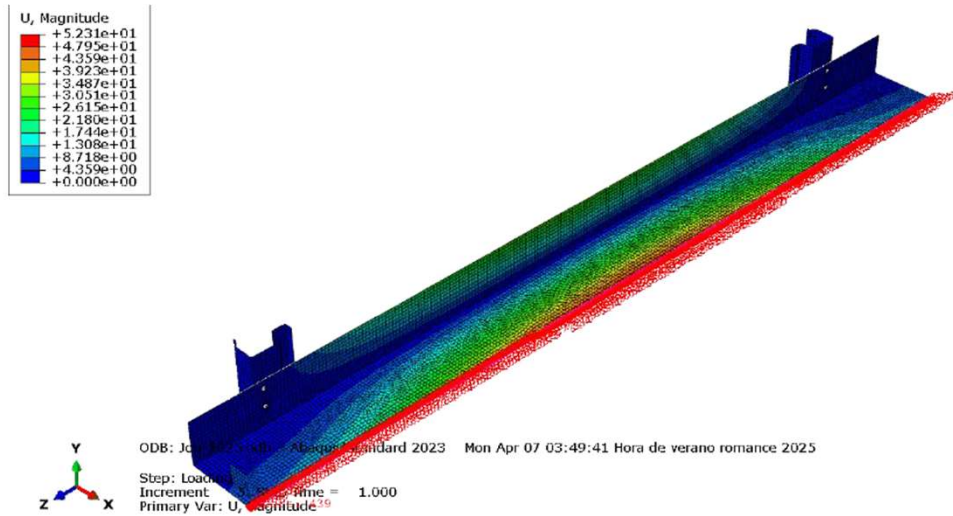


Fig. 40 Ejemplo "Path" extremo

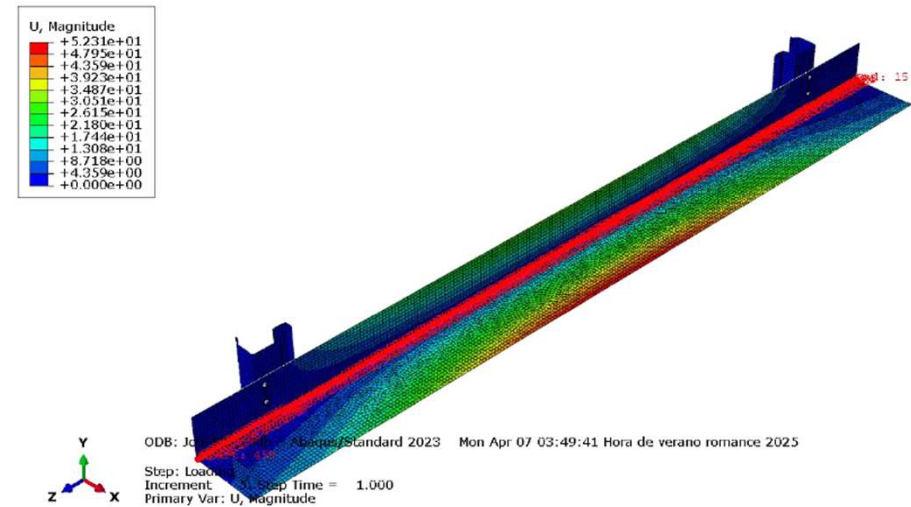
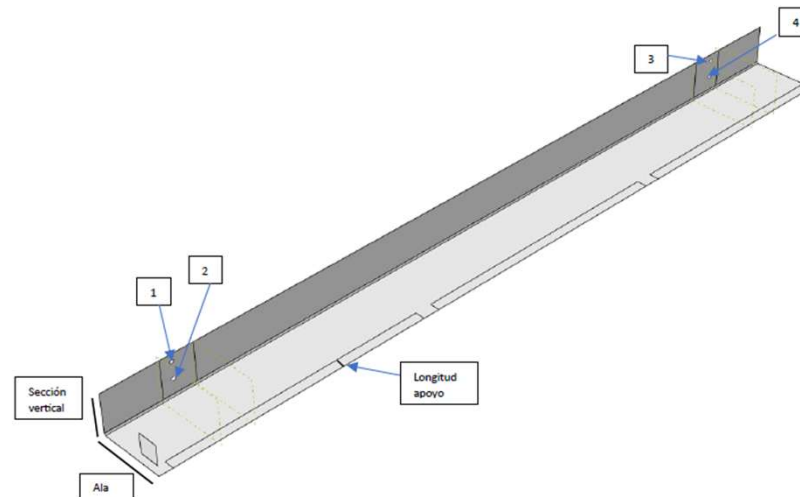
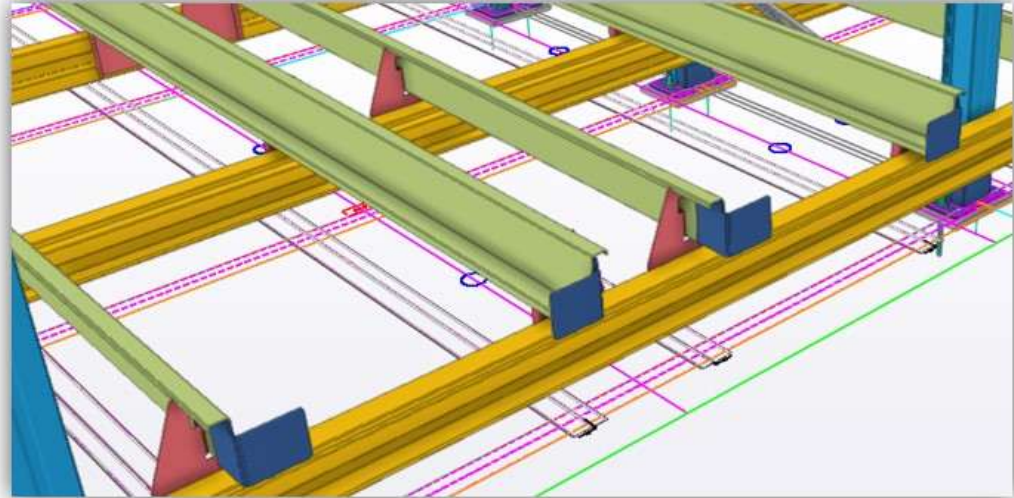
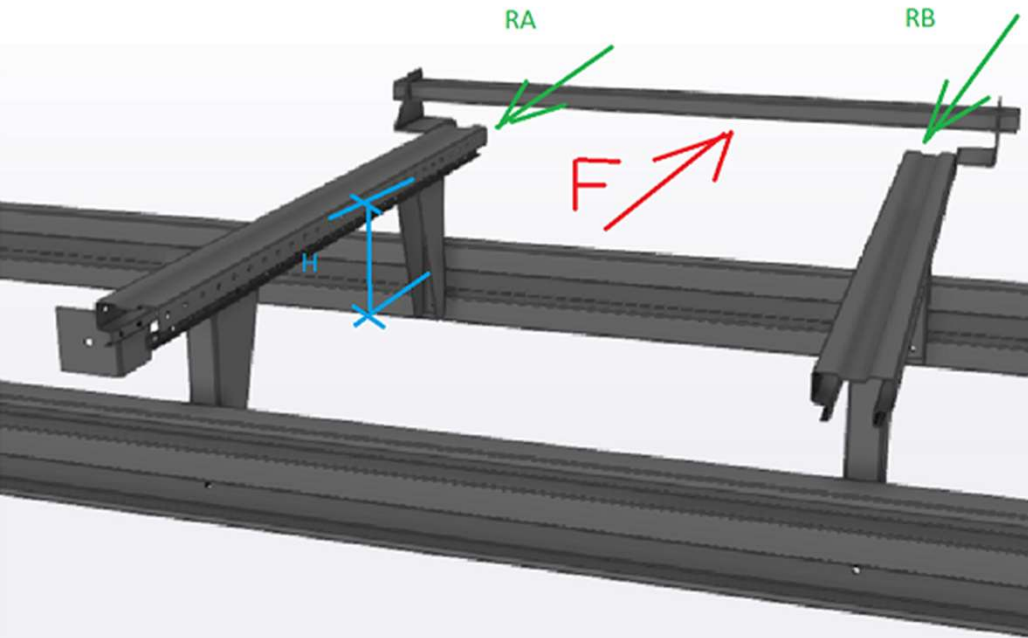


Fig. 41 Ejemplo "Path" pliegue



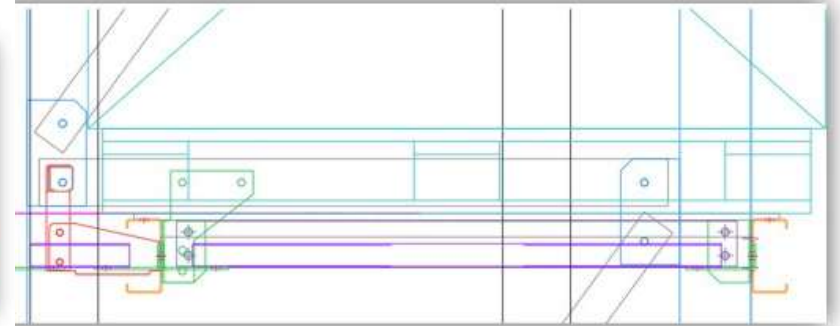
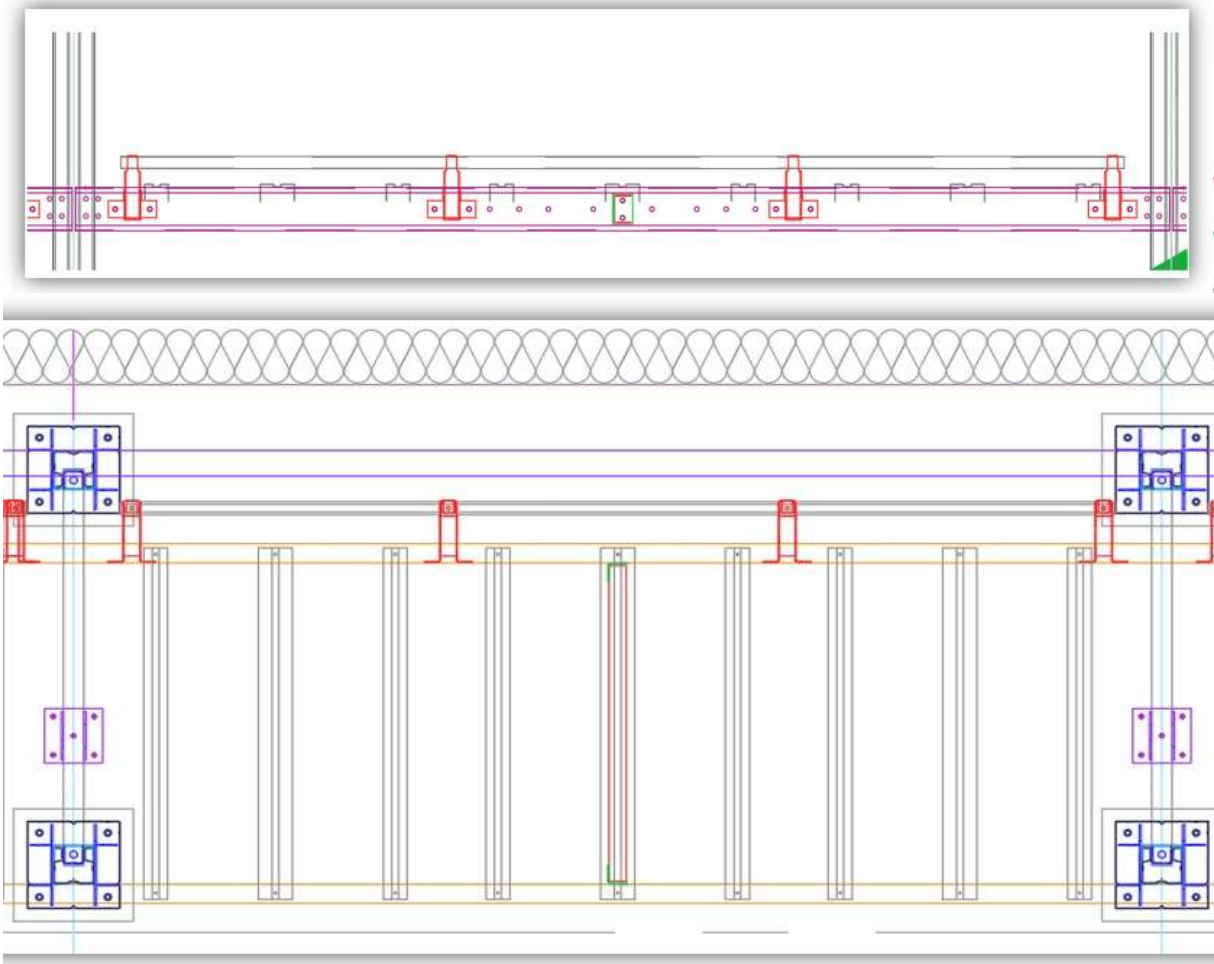
P03 ANALISIS IMPACTO TOPE

Analisis de impacto en diferentes topes según soluciones



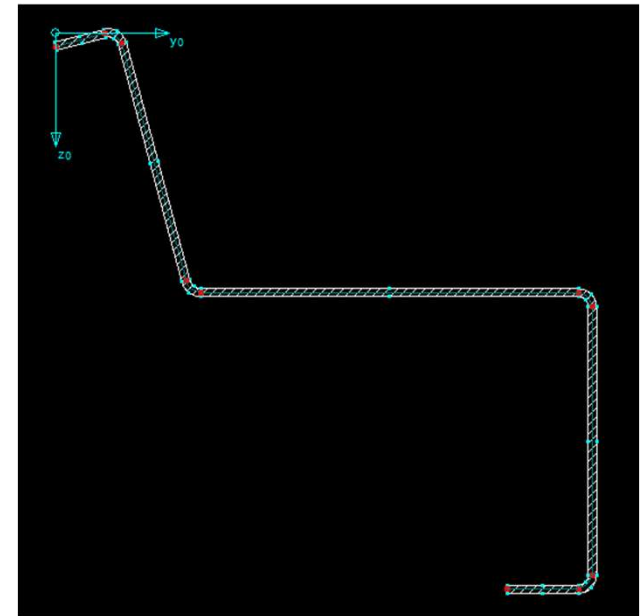
P03 ANALISIS IMPACTO TOPE

Analisis de impacto en diferentes topes según soluciones



P04 VIGA PALETA

Analisis FEM de secciones Viga Paleta



P05 SOPORTES RAIL SHUTTLE

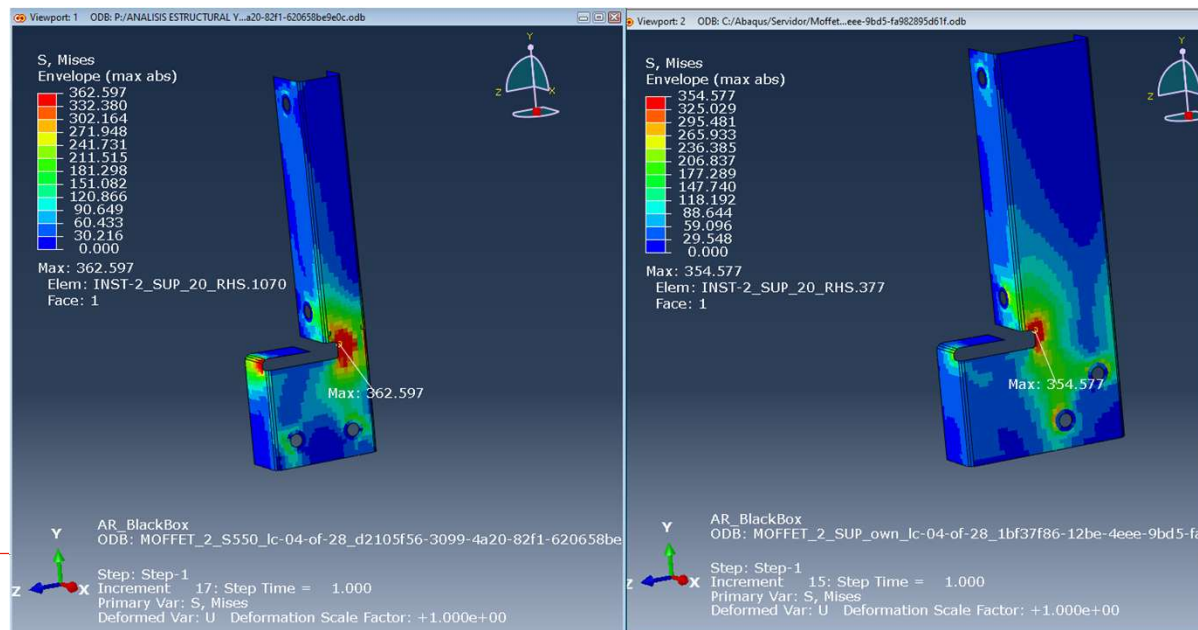
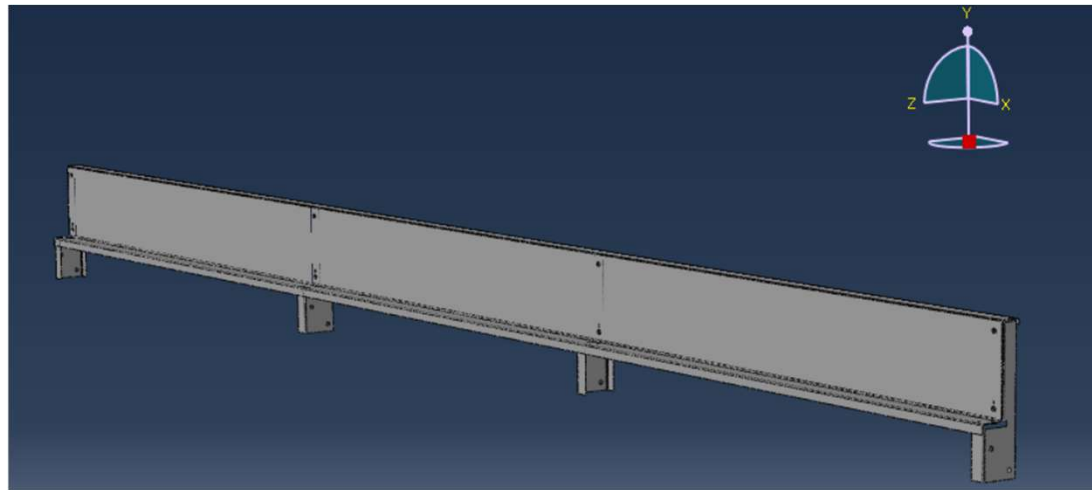
Analisis de diferentes soluciones de SOPORTES DE RAIL SHUTTLE



 **SIMULIA**
ABAQUS

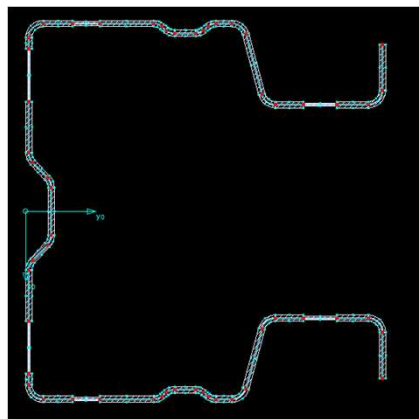
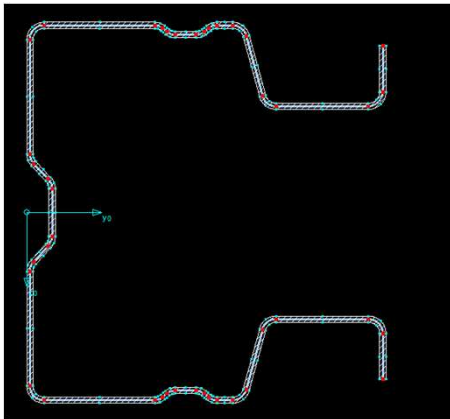
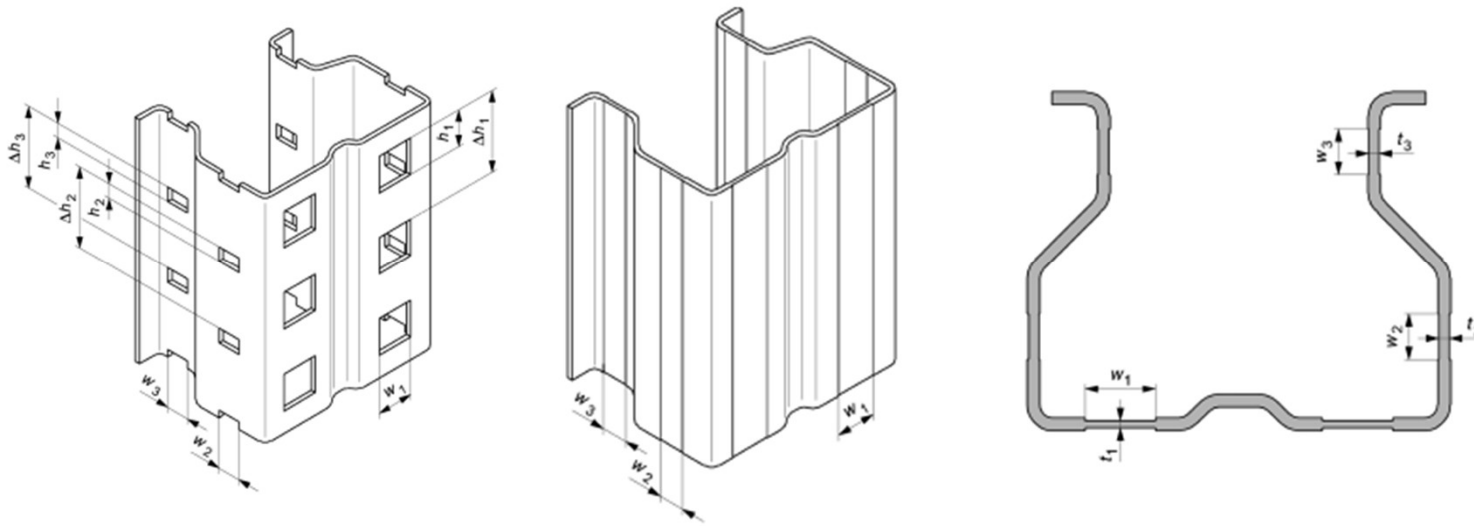
P05 SOPORTES RAIL SHUTTLE

Analisis de diferentes soluciones de SOPORTES DE RAIL SHUTTLE



P06 Parametrización PUNTAL

Parametrización de secciones puntales en RSECTION (RFEM 6)



P07
BBDD Anclajes

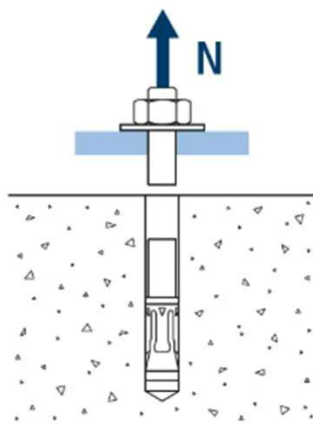
Métodos de fallo de anclajes al suelo (mecánicos y químicos) Hilti-Index-Fischer

HILTI

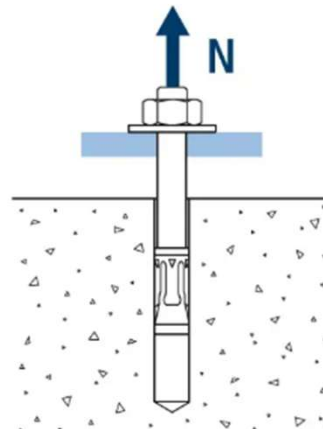
fischer 

INDEX
Lontana group

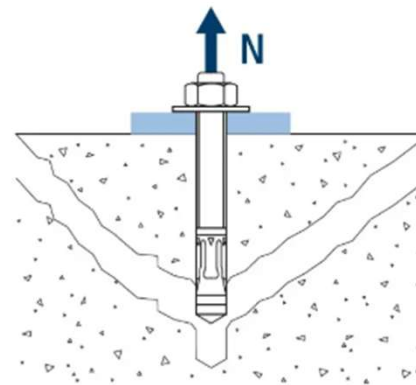
Acero



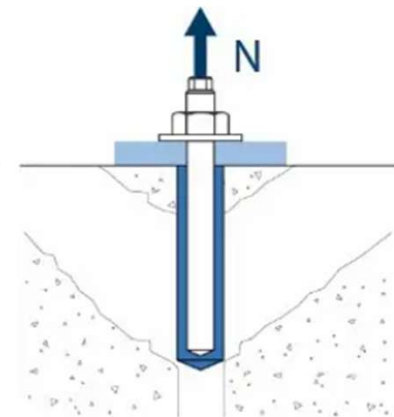
Extraccion



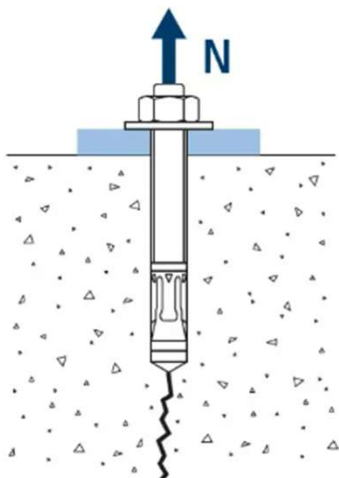
Cono
hormigon



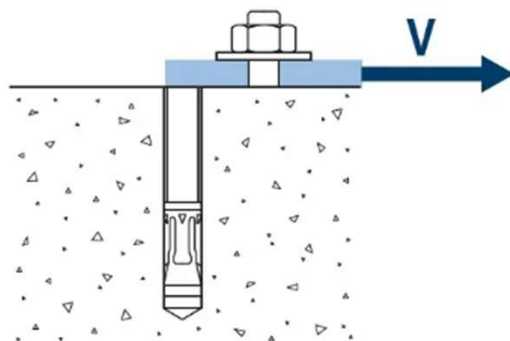
Extraccion
+ cono



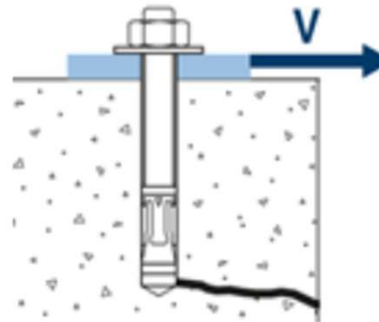
Fisuración



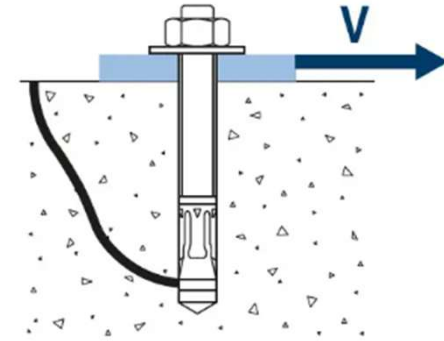
acero



De Borde hormigon



Desconchamiento





www.ar-racking.com

