

### Herramientas necesarias:

- Mozilla Firefox
- Java
- SolidWorks
- Una plantilla de pieza y ensamblaje vacía (sin ninguna operación – La que ofrece solidworks por defecto es perfecta)

Una vez entramos en la página Häfele.es nos dirigimos a TEC-Service CAD y seguimos las instrucciones indicadas en las capturas de pantalla adjuntas.

Es necesario abrir solidworks antes de comenzar la descarga de los archivos para que nos aparezca el menú de dialogo de donde ubicarlos.

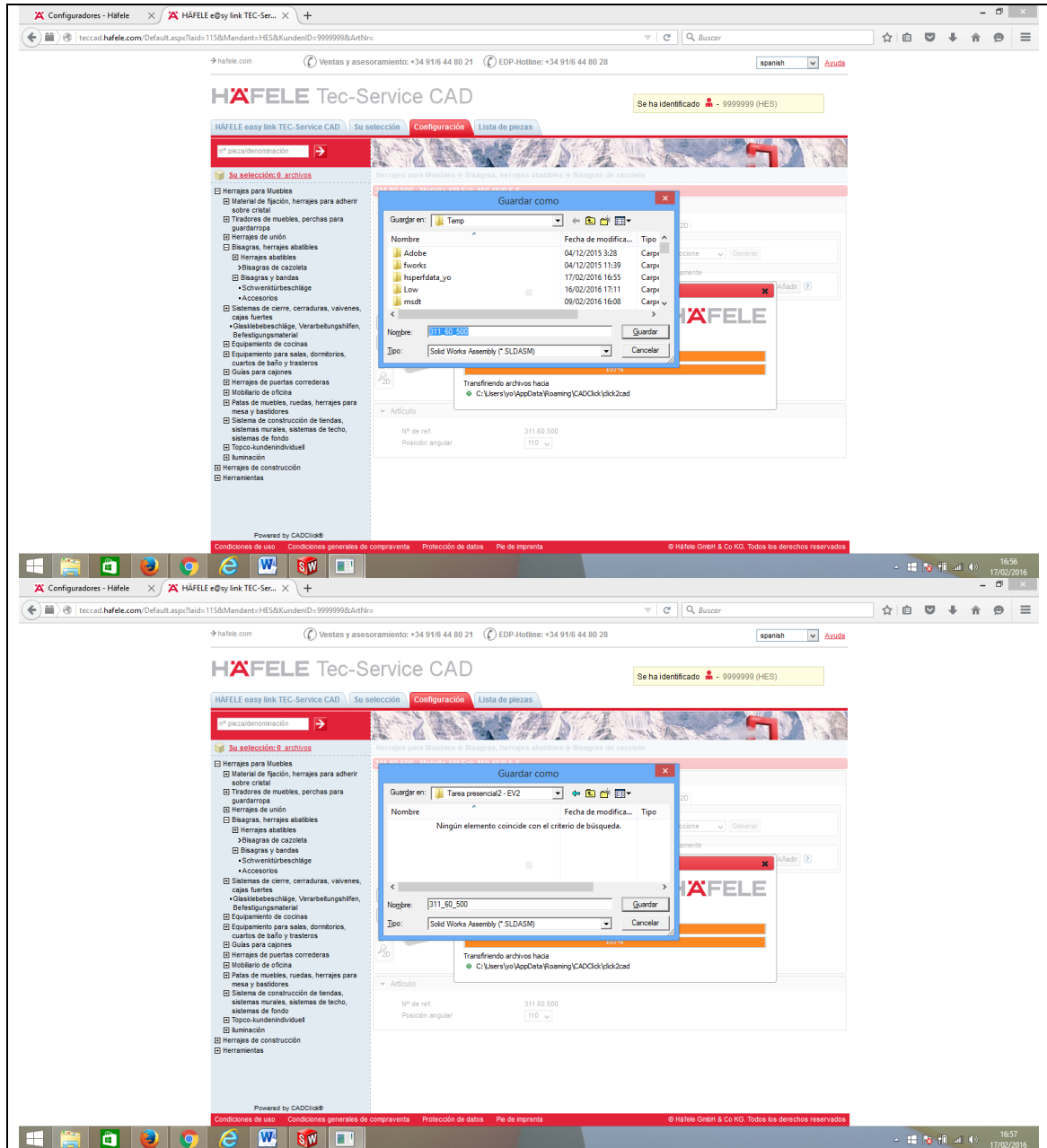
The image displays two screenshots of the Häfele website. The first screenshot shows the homepage with the 'Configurador Loox' section, which includes a search bar and a 'Más información' button. The second screenshot shows the 'Configuradores' section, which features a sidebar menu with options like 'Häfele Partner Shops', 'Ferias & eventos', and 'Configuradores'. The main content area includes sections for 'Planificación de iluminación Loox' and 'Datos CAD'.

The screenshot shows the Häfele Tec-Service CAD interface. At the top, there's a navigation bar with 'Su selección', 'Configuración', and 'Lista de piezas'. Below this is a search bar and a 'Se ha identificado' status. The main content area is divided into a left sidebar, a central product grid, and a right sidebar. The left sidebar lists various hardware categories, with 'Bisagras, herrajes abatibles' and 'Bisagras de cazoleta' highlighted. The central grid displays 20 product thumbnails, each with a reference number. The right sidebar contains a 'Guía rápida' (Quick Guide) and 'TEC-Service CAD News'. The bottom of the page shows a Windows taskbar with the date 17/02/2016 and time 16:38.

The screenshot displays the HAFELE Tec-Service CAD interface. The main content area shows a 3D model of a hinge (part number 311.60.500) and a list of SolidWorks files for download. The files include:

- Solid Edge ST2 (3D)
- Solid Edge ST3 (3D)
- Solid Edge ST4 (3D)
- Solid Edge ST5 (3D)
- Solid Edge ST6 (3D)
- Solid Edge ST7 (3D)
- Solid Edge ST8 (3D)
- SolidWorks 2004 (3D)
- SolidWorks 2005 (3D)
- SolidWorks 2006 (3D)
- SolidWorks 2007 (3D)
- SolidWorks 2008 (3D)
- SolidWorks 2009 (3D)
- SolidWorks 2010 (3D)
- SolidWorks 2011 (3D)
- SolidWorks 2012 (3D)
- SolidWorks 2013 (3D)
- SolidWorks 2014 (3D)
- SolidWorks 2015 (3D)
- SolidWorks 2016 (3D)

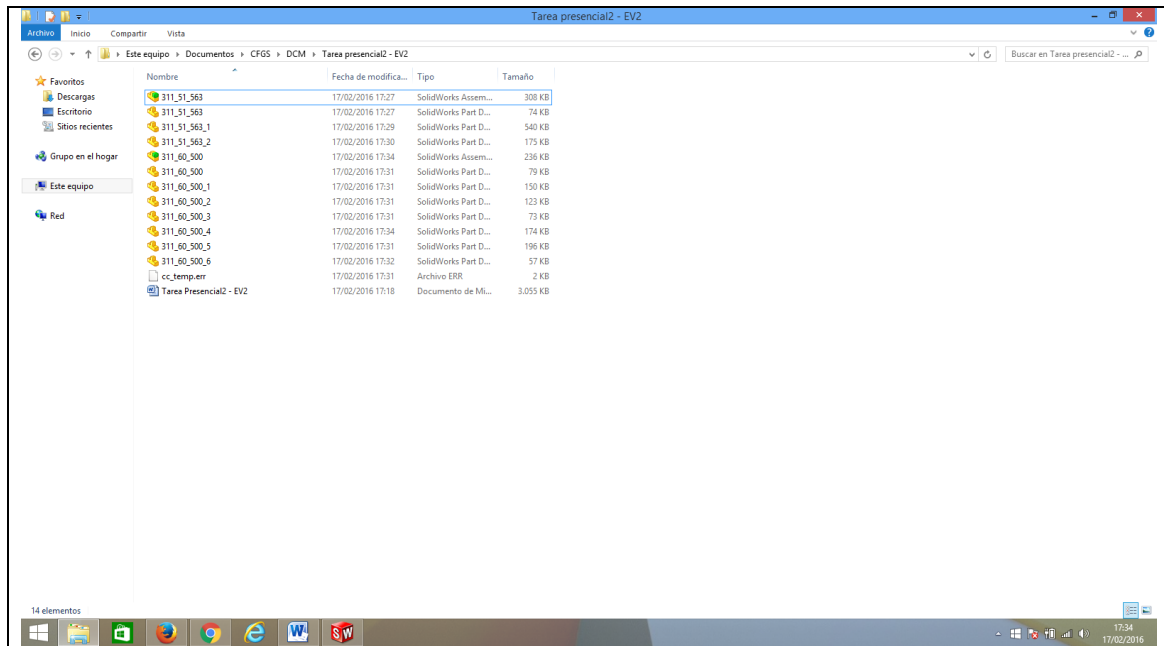
A progress bar indicates the download status for the SolidWorks 2012 (3D) file, showing it is 33% complete. The interface also includes a navigation menu on the left, a search bar at the top, and a footer with contact information.



The image shows a dual-screen setup. The top screen displays the Häfele Tec-Service CAD web application. The browser address bar shows 'teccad.hafele.com'. The page title is 'HÄFELE Tec-Service CAD'. A navigation menu includes 'HÄFELE easy link TEC-Service CAD', 'Su selección', 'Configuración', and 'Lista de piezas'. A sidebar on the left lists various product categories such as 'Herrajes para Muebles', 'Herrajes para abatibles', and 'Herrajes para cajones'. The main content area shows a 3D model of a metal bracket with a 'Click2CAD' dialog box overlaid. The dialog box contains the text 'Insertar en SolidWorks 2012 (3D)' and 'Transfiriendo el archivo S15'. Below the dialog, a table shows the article details: 'Nº de ref: 311.60.500' and 'Posición angular: 110'. The bottom screen shows the SolidWorks CAD software interface. The title bar reads 'SOLIDWORKS' and the window title is '311\_60\_500'. The software interface includes a ribbon with tabs for 'Ensamblaje', 'Diseño', 'Croquis', 'Calcular', and 'Productos Office'. The left-hand 'Feature Tree' shows a hierarchy starting with '311\_60\_500 (Predeterminado)', followed by 'Sensores', 'Anotaciones', 'Alzado', 'Planta', 'Vista lateral', 'Origen', and several instances of '(-) 1x1 (Predeterminado)'. The main 3D workspace displays a grey metal bracket model. The bottom status bar indicates 'SolidWorks Premium 2012 x64 Edition' and 'Completamente definida'.

The image displays a dual-screen setup. The top screen shows the Häfele Tec-Service CAD web application. The browser address bar indicates the URL: `teccad.hafele.com/Default.aspx?Aid=1158&Mandant=HES&KundenID=9999999&ArtNr=`. The website header includes the Häfele logo and navigation tabs for 'Su selección', 'Configuración', and 'Lista de piezas'. A sidebar on the left lists various hardware categories such as 'Herrajes para Muebles', 'Sistemas de cierre', and 'Equipamiento de cocinas'. The main content area shows a 3D model of a hardware component, identified as '311.51.563 - PCC-Metalla-Mini A VAR.28/2mm'. Below the model, there are options to export the file in different formats and a table with the reference number '311.51.563'.

The bottom screen shows the SolidWorks CAD software interface. The title bar reads 'SOLIDWORKS' and the window title is '311\_51\_563'. The software interface includes a menu bar (Archivo, Edición, Ver, Insertar, Herramientas, Ventana), a ribbon with various toolsets (Ensamblaje, Diseño, Croquis, Calcular, Productos Office), and a central 3D workspace. The left-hand 'Feature Tree' shows a hierarchical structure of the assembly, including '311\_51\_563 (Predeterminado)', 'Sensores', 'Anotaciones', 'Alzado', 'Planta', 'Vista lateral', 'Origen', and 'Relaciones de posición'. The 3D workspace displays a detailed isometric view of the hardware component, showing its complex geometry and mounting points.



## OBJETIVO

- Trabajar con archivos ajenos a nuestra organización
- Contemplar la problemática de cómo codificar los archivos de descarga y asignación de propiedades
- Analizar el cómo pueden afectar estos productos a la Lista de Materiales generada por oficina técnica
- Generar diferentes configuraciones

## Particularidades

Cuando SolidWorks pregunte si queréis analizar las operaciones decir NO

Los archivos de ensamblaje vienen sin relaciones de posición por lo que tendremos que asignarlas