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| **CHASSIS** | | **Worksheet: CH1** | | | **Element: Chassis squad** | **Process: Manufacturing** |
| **MATERIAL** | | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Square tube 35 x 35 mm | | | http://recursos.ort.edu.ar/static/archivos/image/262113/18971Resultado de imagen de sierra de cinta para metal |  | 1º. Miter cut the square tube to 10 cm outer length.  2º. Deburring. | Piece A X 8 unit. |
| Piece A X 8 unit. | | | http://www.bo.all.biz/img/bo/catalog/7359.jpeg  http://www.ferreteriauniversitas.com/1636-category/escuadras-metalicas-fijas.jpg |  | 3º. Weld two pieces at 90 ° | Piece B x 4 unit |
| **MATERIAL** | | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Piece B x 4 unit | | | http://www.ferreteriasoler.com/image/cache/data/BAG-115-RADIAL-500x500.JPG |  | 4º. Grinding welds | Piece C x 4 unit |
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| **CHASSIS** | | **Worksheet: CH2** | | | **Element: Chassis front squad** | **Process: Manufacturing** |
| **MATERIAL** | | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Piece C X 2 unit. | | | http://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000 |  | 1º. Drill two through holes 8 mm diameter. | Piece D x 2 unit |
| Square tube 40 x 40 mm | | | http://recursos.ort.edu.ar/static/archivos/image/262113/18971http://www.ferreteriasoler.com/image/cache/data/BAG-115-RADIAL-500x500.JPGhttp://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000Resultado de imagen de sierra de cinta para metal |  | 2º. Cut the square tube to 40 mm outer length.  3º. Deburring.  4º. Cut a side of the piece.  5º. Drill a trough hole 8 mm diameter. | Piece E x 2 unit |
| **MATERIAL** | | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Square tube 35 x 35 mm | | | http://recursos.ort.edu.ar/static/archivos/image/262113/18971Resultado de imagen de sierra de cinta para metal |  | 6º. Cut the square tube to 35 mm outer length.  7º. Deburring. | Piece F x 4 unit |
| Plate 35 mm. | | | http://recursos.ort.edu.ar/static/archivos/image/262113/18971Resultado de imagen de sierra de cinta para metal  http://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000 |  | 8º. Cut the plate to 40 mm outer length.  9º. Deburring.  10º. Drill a trough hole 8 mm diameter. | Piece G x 4 unit |
| **MATERIAL** | | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Piece G X 4 unit. Piece E x 2 unit | | | http://www.bo.all.biz/img/bo/catalog/7359.jpeg |  | 11º. Two plates welded to the part E. | Piece H x 2 unit |
| Piece H x 2 unit Piece F x 2 unit | | | http://www.bo.all.biz/img/bo/catalog/7359.jpeg |  | 12º. Weld the two pieces. | Piece J x 2 unit |
| **MATERIAL** | | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Piece J x 1 unit Piece D x 1 unit | | | http://www.bo.all.biz/img/bo/catalog/7359.jpeg |  | 13º. Weld the two pieces. | Right front bracket K x 1 unit |
| Piece J x 1 unit Piece D x 1 unit | | | http://www.bo.all.biz/img/bo/catalog/7359.jpeg |  | 14º. Weld the two pieces. | Left front bracket K x 1 unit |
| **CHASSIS** | **Worksheet: CH3** | | | | **Element: Chassis back squad** | **Process: Manufacturing** |
| **MATERIAL** | | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Piece C x 2 unit | | | http://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000 |  | 1º. Drill two through holes 8 mm diameter. | Piece L x 2 unit |
| Piece F x 2 unit Piece L x 2 unit | | | http://www.bo.all.biz/img/bo/catalog/7359.jpeg |  | 2º. Weld the two pieces. | Piece M x 2 unit |
| **MATERIAL** | | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Square tube 40 x 40 mm | | | http://www.ferreteriasoler.com/image/cache/data/BAG-115-RADIAL-500x500.JPGhttp://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000Resultado de imagen de sierra de cinta para metalhttp://recursos.ort.edu.ar/static/archivos/image/262113/18971 |  | 3º. Cut the square tube to 40 mm outer length.  4º. Deburring.  5º. Cut a side of the piece.  6º. Drill a trough hole 10 mm diameter.  7º. Round with hand grinder | Piece N x 2 unit |
| Piece N x 1 unit Piece M x 1 unit | | | http://www.bo.all.biz/img/bo/catalog/7359.jpeg |  | 8º. Weld the two pieces. | Left back bracket P x 1 unit |

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| **MATERIAL** | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Piece N x 1 unit Piece M x 1 unit | | http://www.bo.all.biz/img/bo/catalog/7359.jpeg |  | 9º. Weld the two pieces. | Right back bracket Q x 1 unit |
|  | |  |  |  |  |
| **CHASSIS** | **Worksheet: CH4** | | | **Element: Stringers and crosspieces** | **Process: Manufacturing** |
| **MATERIAL** | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Square tube 40 x 40 mm | | http://recursos.ort.edu.ar/static/archivos/image/262113/18971Resultado de imagen de sierra de cinta para metal  http://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000 |  | 1º. Cut the square tube to 1215 mm outer length.  2º. Deburring.  3º. Drill two trough hole 8 mm diameter. | Piece R X 2 unit. |
| Square tube 40 x 40 mm | | http://recursos.ort.edu.ar/static/archivos/image/262113/18971Resultado de imagen de sierra de cinta para metal  http://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000 |  | 4º. Cut the square tube to 510 mm outer length.  5º. Deburring.  6º. Drill two trough hole 8 mm diameter. | Piece S x 1 unit |
| **MATERIAL** | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Square tube 40 x 40 mm | | http://recursos.ort.edu.ar/static/archivos/image/262113/18971Resultado de imagen de sierra de cinta para metal  http://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000 |  | 7º. Cut the square tube to 510 mm outer length.  8º. Deburring.  9º. Drill two trough hole 8 mm diameter. | Piece T x 2 unit |
| Plate 30 mm. | | http://recursos.ort.edu.ar/static/archivos/image/262113/18971Resultado de imagen de sierra de cinta para metal  http://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000 |  | 10º. Cut the plate to 510 mm outer length.  11º. Deburring.  12º. Drill two trough hole 8 mm diameter. | Piece U x 2 unit |
| **MATERIAL** | | **TOOLS** | **PROTECTIVE ELEMENTS** | **OPERATIONS** | **FINAL SCORE** |
| Square tube 40 x 40 mm | | http://recursos.ort.edu.ar/static/archivos/image/262113/18971Resultado de imagen de sierra de cinta para metal  http://www.varo.com/data/getimage.ashx?path=/Upload/Images/ImgGallery/Custom/POW302/POW302a.jpg&height=1000&width=1000 |  | 13º. Cut the square tube to 492 mm outer length.  14º. Deburring. | Piece V x 1 unit |
| Piece U x 2 unit Piece V x 1 unit | | http://www.ferreteriauniversitas.com/1636-category/escuadras-metalicas-fijas.jpghttp://www.bo.all.biz/img/bo/catalog/7359.jpeg |  | 15º. Weld the three pieces. | Piece W x 2 unit |