







# Carros de Bajada – Datos Técnicos

- Los múltiples rodillos de uretano están espaciados uniformemente para brindar soporte a la tubería y prevenir la ovalización o deformación ( efecto 'egging').
- Todas las cunas Darby utilizan resortes entre los rodillos, lo que permite una alineación óptima de estos ante diversos requerimientos de carga, resultando en una vida útil prolongada del cable.
- Los rodillos de larga duración cuentan con engrasadores (alemites) o rodamientos de ellados de fábrica, lo que proporciona una rotación suave
- Las orejas de izaje (cáncamos) están fabricadas en acero T1 reforzado, y los cabezales están contruidos con tubería de cédula 80 (Schedule 80).
- Protección contra la corrosión: Los resortes y ejes cuentan con un recubrimiento de zinc (cincados) para prevenir la oxidación y la corrosión.
- Capacidad de izaje máxima: Las orejas de izaje (lifting lugs) atraviesan el cabezal de hierro y están soldadas tanto en la parte superior como en la inferior para garantizar la máxima capacidad de carga.
- Se realizan cálculos mediante Análisis de Elementos Finitos (FEA) en todas las soldaduras de las cunas Darby para asegurar su integridad estructural ante esfuerzos extremos.
- El uso de manguitos prensados (swaged sleeves) permite alcanzar la máxima resistencia del cable y cumple con todos los requisitos de OSHA.

|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|-------------------------|--------|---------------------|-------------------------|----------------------|------------------|--------------------------|----|---------------|----------------------|
|  <p><b>PRC 48-60S</b></p>   | <table border="1"> <tr><td><b>Pipe Size Range</b></td><td>48-60" (1219.2-1,524 mm)</td></tr> <tr><td><b>Head Iron Design</b></td><td>Single</td></tr> <tr><td><b>Working Load</b></td><td>52,690 lbs (23,900 kg)</td></tr> <tr><td><b>Rope Diameter</b></td><td>1-1/8" (28.6 mm)</td></tr> <tr><td><b>Number of Rollers</b></td><td>18</td></tr> <tr><td><b>Weight</b></td><td>1,898 lbs (860.9 kg)</td></tr> </table>  | <b>Pipe Size Range</b> | 48-60" (1219.2-1,524 mm) | <b>Head Iron Design</b> | Single | <b>Working Load</b> | 52,690 lbs (23,900 kg)  | <b>Rope Diameter</b> | 1-1/8" (28.6 mm) | <b>Number of Rollers</b> | 18 | <b>Weight</b> | 1,898 lbs (860.9 kg) |
| <b>Pipe Size Range</b>                                                                                       | 48-60" (1219.2-1,524 mm)                                                                                                                                                                                                                                                                                                                                                                                                |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Head Iron Design</b>                                                                                      | Single                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Working Load</b>                                                                                          | 52,690 lbs (23,900 kg)                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Rope Diameter</b>                                                                                         | 1-1/8" (28.6 mm)                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Number of Rollers</b>                                                                                     | 18                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Weight</b>                                                                                                | 1,898 lbs (860.9 kg)                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
|  <p><b>PRC 6-12D</b></p>   | <table border="1"> <tr><td><b>Pipe Size Range</b></td><td>6-12" (152.4-304.8 mm)</td></tr> <tr><td><b>Head Iron Design</b></td><td>Double</td></tr> <tr><td><b>Working Load</b></td><td>16,923 lbs (7,676 kg)</td></tr> <tr><td><b>Rope Diameter</b></td><td>5/8" (15.9 mm)</td></tr> <tr><td><b>Number of Rollers</b></td><td>20</td></tr> <tr><td><b>Weight</b></td><td>515 lbs (234.1 kg)</td></tr> </table>         | <b>Pipe Size Range</b> | 6-12" (152.4-304.8 mm)   | <b>Head Iron Design</b> | Double | <b>Working Load</b> | 16,923 lbs (7,676 kg)   | <b>Rope Diameter</b> | 5/8" (15.9 mm)   | <b>Number of Rollers</b> | 20 | <b>Weight</b> | 515 lbs (234.1 kg)   |
| <b>Pipe Size Range</b>                                                                                       | 6-12" (152.4-304.8 mm)                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Head Iron Design</b>                                                                                      | Double                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Working Load</b>                                                                                          | 16,923 lbs (7,676 kg)                                                                                                                                                                                                                                                                                                                                                                                                   |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Rope Diameter</b>                                                                                         | 5/8" (15.9 mm)                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Number of Rollers</b>                                                                                     | 20                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Weight</b>                                                                                                | 515 lbs (234.1 kg)                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
|  <p><b>PRC 12-24D</b></p> | <table border="1"> <tr><td><b>Pipe Size Range</b></td><td>12-24" (304.8-609.6 mm)</td></tr> <tr><td><b>Head Iron Design</b></td><td>Double</td></tr> <tr><td><b>Working Load</b></td><td>26,662 lbs (13,001 kg)</td></tr> <tr><td><b>Rope Diameter</b></td><td>5/8" (15.9 mm)</td></tr> <tr><td><b>Number of Rollers</b></td><td>28</td></tr> <tr><td><b>Weight</b></td><td>870 lbs (395.5 kg)</td></tr> </table>       | <b>Pipe Size Range</b> | 12-24" (304.8-609.6 mm)  | <b>Head Iron Design</b> | Double | <b>Working Load</b> | 26,662 lbs (13,001 kg)  | <b>Rope Diameter</b> | 5/8" (15.9 mm)   | <b>Number of Rollers</b> | 28 | <b>Weight</b> | 870 lbs (395.5 kg)   |
| <b>Pipe Size Range</b>                                                                                       | 12-24" (304.8-609.6 mm)                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Head Iron Design</b>                                                                                      | Double                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Working Load</b>                                                                                          | 26,662 lbs (13,001 kg)                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Rope Diameter</b>                                                                                         | 5/8" (15.9 mm)                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Number of Rollers</b>                                                                                     | 28                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Weight</b>                                                                                                | 870 lbs (395.5 kg)                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
|  <p><b>PRC 24-36D</b></p> | <table border="1"> <tr><td><b>Pipe Size Range</b></td><td>24-36" (609.6-914.4 mm)</td></tr> <tr><td><b>Head Iron Design</b></td><td>Double</td></tr> <tr><td><b>Working Load</b></td><td>56,500 lbs (25,628 kg)</td></tr> <tr><td><b>Rope Diameter</b></td><td>1" (25.4 mm)</td></tr> <tr><td><b>Number of Rollers</b></td><td>24</td></tr> <tr><td><b>Weight</b></td><td>2,990 lbs (1,359 kg)</td></tr> </table>       | <b>Pipe Size Range</b> | 24-36" (609.6-914.4 mm)  | <b>Head Iron Design</b> | Double | <b>Working Load</b> | 56,500 lbs (25,628 kg)  | <b>Rope Diameter</b> | 1" (25.4 mm)     | <b>Number of Rollers</b> | 24 | <b>Weight</b> | 2,990 lbs (1,359 kg) |
| <b>Pipe Size Range</b>                                                                                       | 24-36" (609.6-914.4 mm)                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Head Iron Design</b>                                                                                      | Double                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Working Load</b>                                                                                          | 56,500 lbs (25,628 kg)                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Rope Diameter</b>                                                                                         | 1" (25.4 mm)                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Number of Rollers</b>                                                                                     | 24                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Weight</b>                                                                                                | 2,990 lbs (1,359 kg)                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
|  <p><b>PRC 36-48D</b></p> | <table border="1"> <tr><td><b>Pipe Size Range</b></td><td>36-48" (914.4-1219.2 mm)</td></tr> <tr><td><b>Head Iron Design</b></td><td>Double</td></tr> <tr><td><b>Working Load</b></td><td>69,389 lbs (31,471 kg)</td></tr> <tr><td><b>Rope Diameter</b></td><td>1" (25.4 mm)</td></tr> <tr><td><b>Number of Rollers</b></td><td>32</td></tr> <tr><td><b>Weight</b></td><td>3,575 lbs (1,625 kg)</td></tr> </table>      | <b>Pipe Size Range</b> | 36-48" (914.4-1219.2 mm) | <b>Head Iron Design</b> | Double | <b>Working Load</b> | 69,389 lbs (31,471 kg)  | <b>Rope Diameter</b> | 1" (25.4 mm)     | <b>Number of Rollers</b> | 32 | <b>Weight</b> | 3,575 lbs (1,625 kg) |
| <b>Pipe Size Range</b>                                                                                       | 36-48" (914.4-1219.2 mm)                                                                                                                                                                                                                                                                                                                                                                                                |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Head Iron Design</b>                                                                                      | Double                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Working Load</b>                                                                                          | 69,389 lbs (31,471 kg)                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Rope Diameter</b>                                                                                         | 1" (25.4 mm)                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Number of Rollers</b>                                                                                     | 32                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Weight</b>                                                                                                | 3,575 lbs (1,625 kg)                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
|  <p><b>PRC 48-60D</b></p> | <table border="1"> <tr><td><b>Pipe Size Range</b></td><td>48-60" (1219.2-1,524 mm)</td></tr> <tr><td><b>Head Iron Design</b></td><td>Double</td></tr> <tr><td><b>Working Load</b></td><td>105,380 lbs (47,800 kg)</td></tr> <tr><td><b>Rope Diameter</b></td><td>1 1/8" (28.6 mm)</td></tr> <tr><td><b>Number of Rollers</b></td><td>36</td></tr> <tr><td><b>Weight</b></td><td>4,635 lbs (2,106 kg)</td></tr> </table> | <b>Pipe Size Range</b> | 48-60" (1219.2-1,524 mm) | <b>Head Iron Design</b> | Double | <b>Working Load</b> | 105,380 lbs (47,800 kg) | <b>Rope Diameter</b> | 1 1/8" (28.6 mm) | <b>Number of Rollers</b> | 36 | <b>Weight</b> | 4,635 lbs (2,106 kg) |
| <b>Pipe Size Range</b>                                                                                       | 48-60" (1219.2-1,524 mm)                                                                                                                                                                                                                                                                                                                                                                                                |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Head Iron Design</b>                                                                                      | Double                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Working Load</b>                                                                                          | 105,380 lbs (47,800 kg)                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Rope Diameter</b>                                                                                         | 1 1/8" (28.6 mm)                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Number of Rollers</b>                                                                                     | 36                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |
| <b>Weight</b>                                                                                                | 4,635 lbs (2,106 kg)                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                          |                         |        |                     |                         |                      |                  |                          |    |               |                      |