

# HRB-3 Technical Specifications

| HRB-3 Serie | Bending Length | Min. Int. Dia ØDmin |                    |                        | Top Roll | Side Rolls | Max. Pass Through | Length | Width  | Height | Working Height | Weight | Motor Power | Min. Additional top roll diameter | Hydraulic Tank Capacity |
|-------------|----------------|---------------------|--------------------|------------------------|----------|------------|-------------------|--------|--------|--------|----------------|--------|-------------|-----------------------------------|-------------------------|
|             |                | Ødx5                | Ødx3               | Ødx1,5                 |          |            |                   |        |        |        |                |        |             |                                   |                         |
|             |                | Bending Capacities  | Bending Capacities | Pre-Bending Capacities |          |            |                   |        |        |        |                |        |             |                                   |                         |
|             | L (mm)         | S (mm)              | S (mm)             | s (mm)                 | Ød (mm)  | Ø (mm)     | A (mm)            | U (mm) | G (mm) | Y (mm) | C (mm)         | (kg)   | (kW)        | Ø (mm)                            | l                       |
| HRB-3 2013  | 2050           | 15                  | 13                 | 10                     | 230      | 200        | 70                | 3830   | 1160   | 1180   | 825            | 3800   | 11          | 200                               | 160                     |
| HRB-3 2016  | 2050           | 18                  | 16                 | 13                     | 270      | 250        | 140               | 4260   | 1660   | 1590   | 1155           | 6850   | 15          | 270                               | 400                     |
| HRB-3 2510  | 2550           | 12                  | 10                 | 8                      | 230      | 200        | 70                | 4330   | 1160   | 1180   | 825            | 4350   | 11          | 200                               | 160                     |
| HRB-3 3010  | 3100           | 12                  | 10                 | 8                      | 270      | 250        | 140               | 5310   | 1660   | 1590   | 1155           | 8280   | 11          | 270                               | 400                     |
| HRB-3 3013  | 3100           | 15                  | 13                 | 10                     | 300      | 270        | 115               | 5310   | 1660   | 1590   | 1140           | 9200   | 15          | 270                               | 400                     |
| HRB-3 3016  | 3100           | 18                  | 16                 | 13                     | 330      | 290        | 90                | 5310   | 1660   | 1590   | 1125           | 9850   | 18,5        | 270                               | 400                     |
| HRB-3 3020  | 3100           | 22                  | 20                 | 16                     | 360      | 330        | 195               | 5560   | 2060   | 2050   | 1510           | 14900  | 22          | 360                               | 600                     |
| HRB-3 3025  | 3100           | 28                  | 25                 | 20                     | 400      | 350        | 165               | 5560   | 2060   | 2050   | 1490           | 16150  | 30          | 360                               | 600                     |

The mentioned values above is only works for 240 N/mm<sup>2</sup>  
 Different material and widths ; can be calculated by DURMA Roll Bending Calculator  
 Conic bending capacities depends on the angle and half value of mentioned values above  
 Weight and motor powers optionally goes higher levels with additional

## Optional Equipments

- Polished rolls
- Adjustable turning speed
- Vertical or horizontal working position
- Hydraulic vertical support preparation (Full / Mechanical)
- Hydraulic vertical support
- Side support preparation (Full / Mechanical)
- Hydraulic side supports
- Hydraulic side supports with double joint
- Interchangeable top roll
- Longer rolls for profile bending and special bending rolls
- Oil cooling
- Oil heating
- Automatic centralized lubrication system
- Plate feeding platform with alignment unit
- Special plate support systems
- Loading, unloading systems
- Seperate power cabinet



PLANETARY ROLLS SYSTEM  
 Top Roll: Ø200-Ø430 mm  
 Drive: All Rolls