

# BOLLARDS



**DB**



**CB**



**DB+WR**

## Features

- Standards DB : DIN 82607
- Standards CB : DIN 82603
- Standards DB+WR : DIN 82607/81906
- Design safety factor : 5
- Material : S355J2+N (1.0577)
- Optional materials : Stainless steel
- Standard finishing : Sandblasted, one layer of shopprimer
- Optional finishing : Galvanized

THR double bollards are produced according to the DIN 82607 standards. The double bollard is provided with two ridges to prevent the rope from moving. A stopper lug is fitted for application of a rope stopper. Tubes penetrate the base plate and reinforcement plates have been fitted in the base. It is therefore not necessary for the foundation construction to penetrate the deck.

Upon request, custom-made bollards can be designed, for example, single or double cruciform bollards (DIN 82603/82610). Furthermore, larger types than those covered by DIN can be supplied. The bollards can also be delivered in combination with the THR warping roller.

Type	Nominal Pull (kN)	Length baseplate (mm)	Breadth baseplate (mm)	Height (mm)	Tube (mm x mm)	Weight (kg)
DB-1	10	430	140	370	139.7x6.3	22
DB-2	20	570	220	475	219.1x8.0	42
DB-3	30	700	275	570	273.0x10.0	105
DB-5	50	880	325	670	323.9x10.0	148
DB-8	80	1,050	360	780	355.6x14.2	265
DB-12	120	1,200	460	860	457.0x16.0	465
DB-20	200	1,350	510	970	508.0x17.5	615
DB-32	320	1,995	560	1,000	559.0x20.0	765