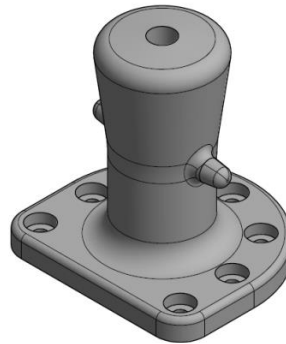


ESC SINGLE BITT BOLLARD

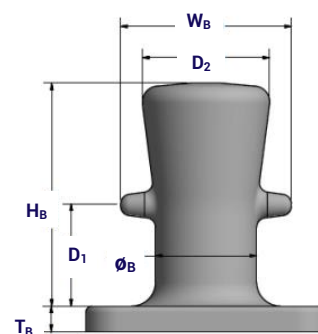
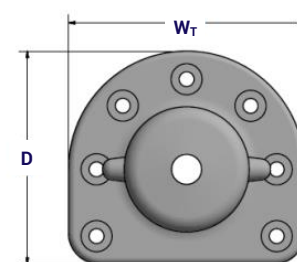
DATASHEET

ESC's latest generation of Single Bitt Bollards provide a compact high strength bollard system that can be utilised in a multitude of configurations

- ✓ General purpose applications up to 200 tons
- ✓ Suitable for steep rope angles.
- ✓ Two lines may share a single bollard (subject to bollard capacity).
- ✓ Concrete filled (optional).



Dimension	Units	Bollard Capacity (Tons)							
		10	15	30	50	75	100	150	200
T_B	mm	45	45	60	70	80	80	100	110
H_B	mm	370	370	490	630	740	790	900	1000
W_B	mm	225	260	340	450	500	550	650	750
W_T	mm	310	360	420	530	650	760	900	990
D	mm	285	315	380	480	580	685	810	890
D_1	mm	130	145	160	260	285	325	380	465
D_2	mm	200	220	260	340	390	415	460	530
ϕ_B	mm	150	160	200	260	290	320	370	430
Bolts	-	M24	M24	M30	M36	M42	M48	M56	M56
Bolt Length	mm	350	400	500	600	600	750	1000	1000
Recess	mm	60	60	75	85	95	95	115	125
Bolts Quantity	-	4	4	5	6	6	7	7	8



MATERIAL SELECTION

MATERIALS	STANDARD(S)	GRADE (S)
Ductile Cast Iron (for body)	BS EN 1563 ASTM A 536 GB/T 1348	EN-GJS-450 to 500 65-45-12 to 80-55-6 QT450-10 to QT-600-3
Cast Steel (for body)	ASTM A148 ISO 1030 GB/T 11352	65-35 to 80-50 230-450 to 340-570 ZG230-450 to ZG340-640
Anchor Bolts (galvanized)	ISO 898 BS 3692 ASTM	Gr. 5.8 to 8.8 (galvanized) Gr. 5.8 to 8.8 (galvanized) ASTM F1554 Gr. 105 (galvanized)

Disclaimer

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OTHER DESIGNS

ESC is able to produce bollards of virtually any dimension. Shown here are just the standard range of bollards, but custom design bollards can be manufactured according to the client's design.

