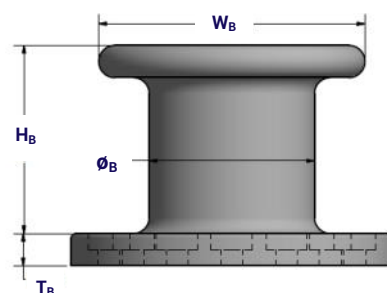
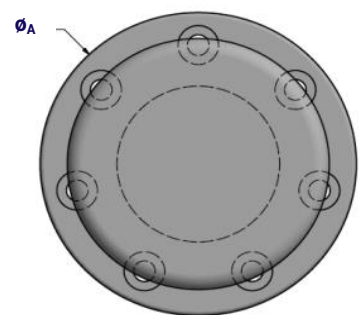
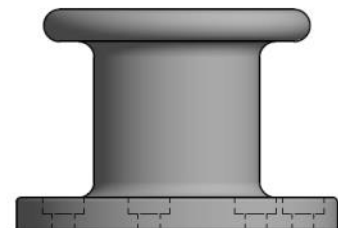
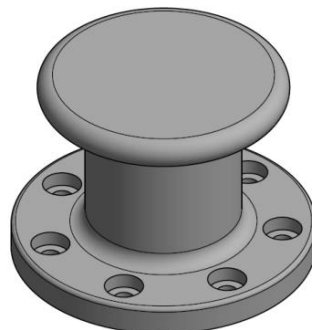


# ESC PILLAR BOLLARD

## DATASHEET

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

- ✓ General purpose applications up to 200 tons
- ✓ Avoid steep rope angles were possible
- ✓ Suitable for warping operations
- ✓ 360 degree horizontal line angle use
- ✓ Can be utilized from all sides of jetty



Dimension	Units	Bollard Capacity (Tons)						
		10	15	30	50	100	150	200
T <sub>B</sub>	mm	35	40	50	60	70	80	90
H <sub>B</sub>	mm	180	280	320	350	410	450	480
W <sub>B</sub>	mm	200	300	390	430	580	680	740
Ø <sub>A</sub>	mm	270	420	500	580	700	800	900
Ø <sub>B</sub>	mm	125	200	240	280	360	400	450
Bolts	-	M20	M24	M36	M36	M48	M56	M64
Bolt Length	mm	350	400	550	800	1000	1000	1000
Recess	mm	50	55	65	75	85	95	105
Bolts Quantity	-	4	4	4	4	7	8	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)

### 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.

#### Disclaimer

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