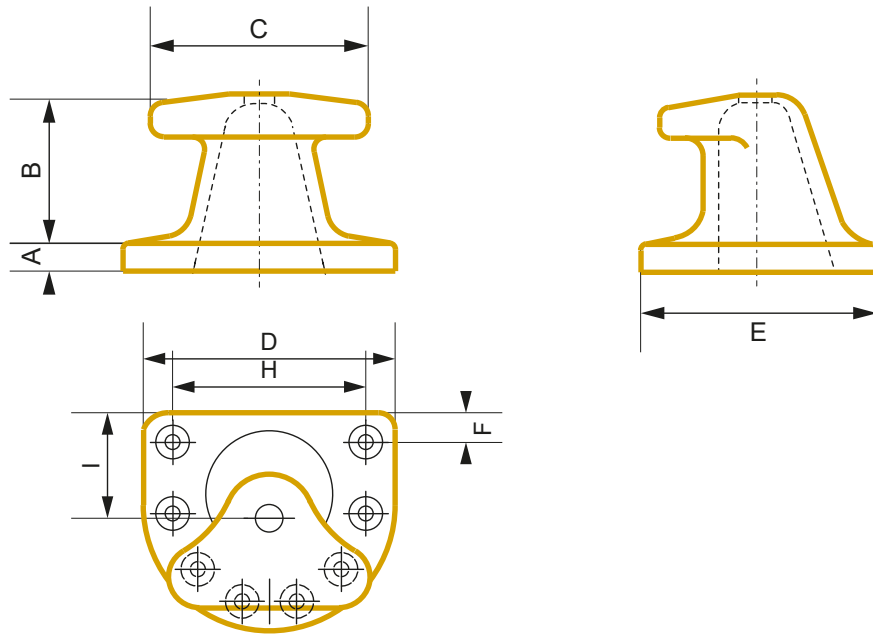




T-Head Bollard – Mooring Bollard

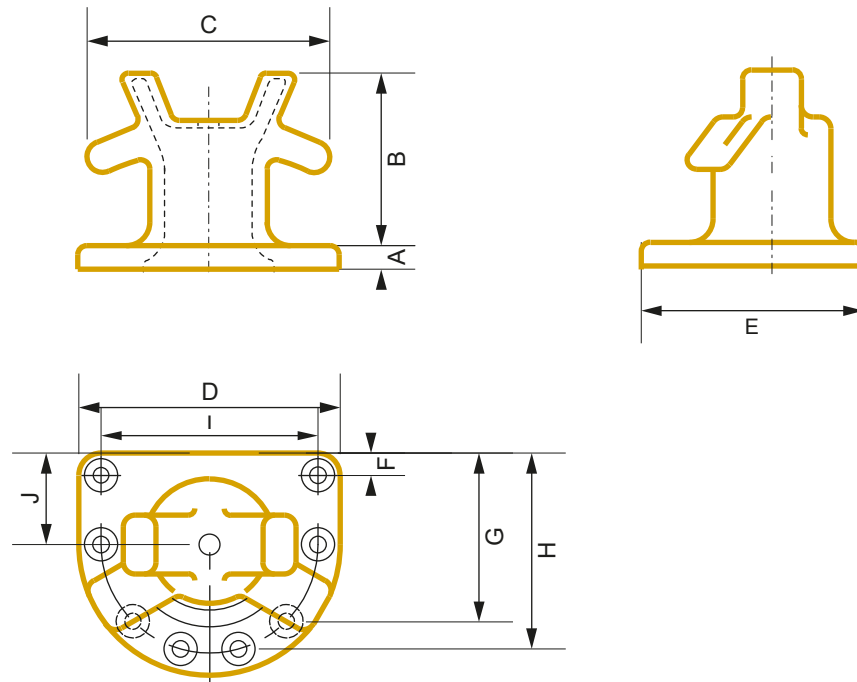


WLL	A	B	C	D	E	F	H	I	Bolt Size	Bolt Length	Bolt Qty
10	32	205	220	216	236	43	130	118	M20	450	4
15	55	235	340	410	335	50	310	130	M24	500	5
22.5	40	255	350	430	355	50	330	140	M30	500	5
30	40	255	350	450	375	50	350	150	M30	500	5
50	50	350	500	540	540	70	500	220	M36	500	5
80	70	380	550	640	550	70	500	230	M42	800	6
100	80	410	600	700	640	70	650	245	M42	800	7
125	80	410	600	850	700	100	650	275	M48	900	7
150	90	435	700	900	750	100	700	300	M48	1000	7
200	90	500	800	1000	850	125	750	350	M56	1000	8
250	120	610	930	1090	915	120	850	370	M64	1375	8
300	155	670	980	1200	925	125	950	325	M64	1550	10

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards. Deviation margins need to be taken in mind, this is your own responsibility and not from Castle Hills AS. Each size has a slightly different drawing.



Mooring Bollard – Twin Horn Bollard

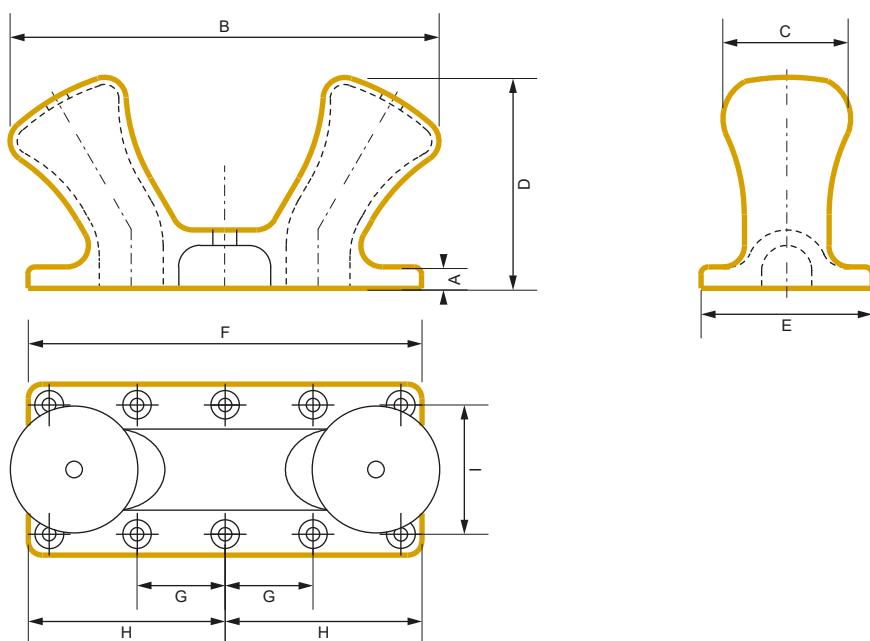


WLL	A	B	C	D	E	F	G	H	I	J	Bolt Size	Bolt Length	Bolt Qty
50	60	420	515	530	460	55	280	402	420	195	M36	600	5
75	70	490	630	645	555	65	290	460	510	235	M42	600	6
100	80	560	715	740	635	75	485	560	580	270	M42	600	7
125	90	615	790	810	700	85	530	615	640	295	M48	750	7
150	98	671	860	685	760	90	580	670	698	320	M48	750	7
200	102	700	895	920	795	95	540	680	728	335	M56	915	8

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards. Deviation margins need to be taken in mind, this is your own responsibility and not from Castle Hills AS.



Double Bitt Bollard – Mooring Bollard

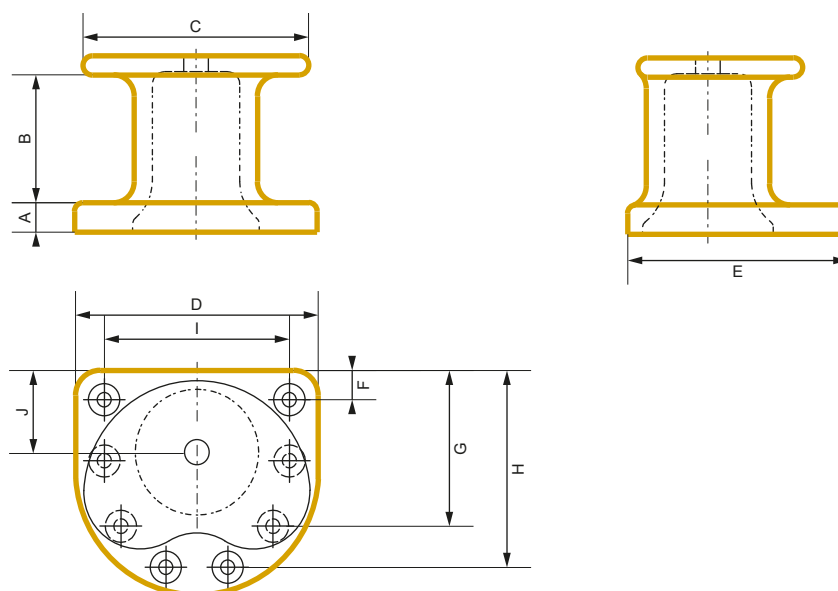


WLL	A	B	C	D	E	F	G	H	I	Bolt Size	Bolt Length	Bolt Qty
30	45	780	235	390	300	605	80	260	220	M24	450	8
50	56	940	285	470	355	710	98	310	265	M30	450	8
75	62	1145	345	570	432	865	190	380	325	M36	450	10
100	73	1345	410	670	510	1016	222	445	380	M42	600	10
125	80	1550	470	770	585	1168	255	510	435	M42	600	10
150	90	1685	510	840	635	1270	280	555	475	M48	750	10
200	100	1885	570	940	700	1420	310	625	535	M56	915	10

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards. Deviation margins need to be taken in mind, this is your own responsibility and not from Castle Hills AS. Each size has a slightly different drawing.



Mooring Bollard – **Kidney Bollard**

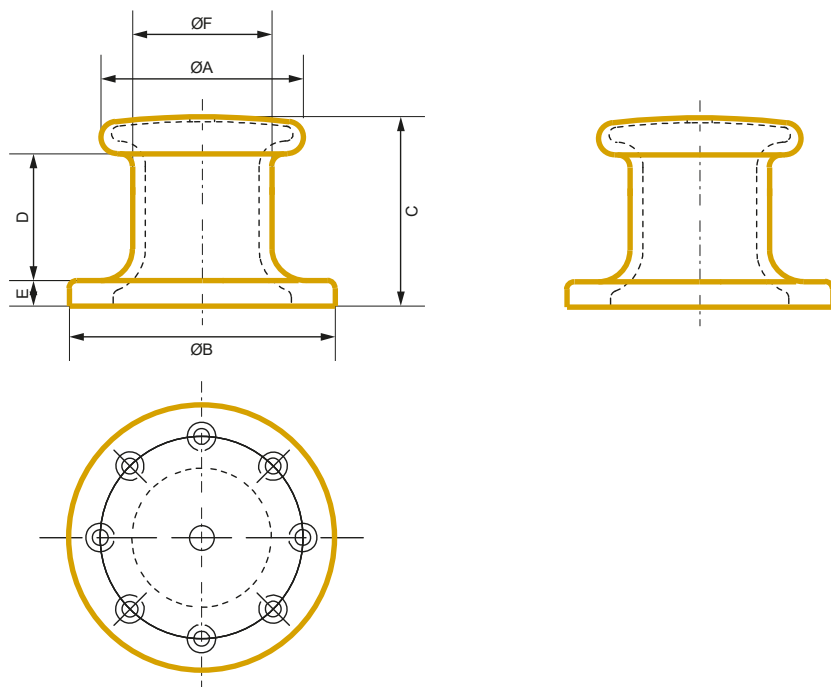


WLL	A	B	C	D	E	F	G	H	I	J	Bolt Size	Bolt Length	Bolt Qty
15	40	195	275	325	290	50	-	215	125	125	M24	450	4
20	50	215	330	390	345	60	215	300	150	150	M24	450	4
30	55	260	385	455	400	70	260	350	175	175	M30	450	5
50	60	265	415	490	430	75	265	375	190	190	M36	600	6
75	70	300	480	570	500	90	300	400	220	220	M36	600	7
100	80	340	550	650	575	100	380	440	250	250	M42	600	7
125	90	375	605	715	635	110	435	500	275	275	M48	750	7
150	95	410	660	780	690	120	480	550	300	300	M56	915	7
200	110	460	760	900	795	140	525	600	345	345	M56	915	8

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards. Deviation margins need to be taken in mind, this is your own responsibility and not from Castle Hills AS.



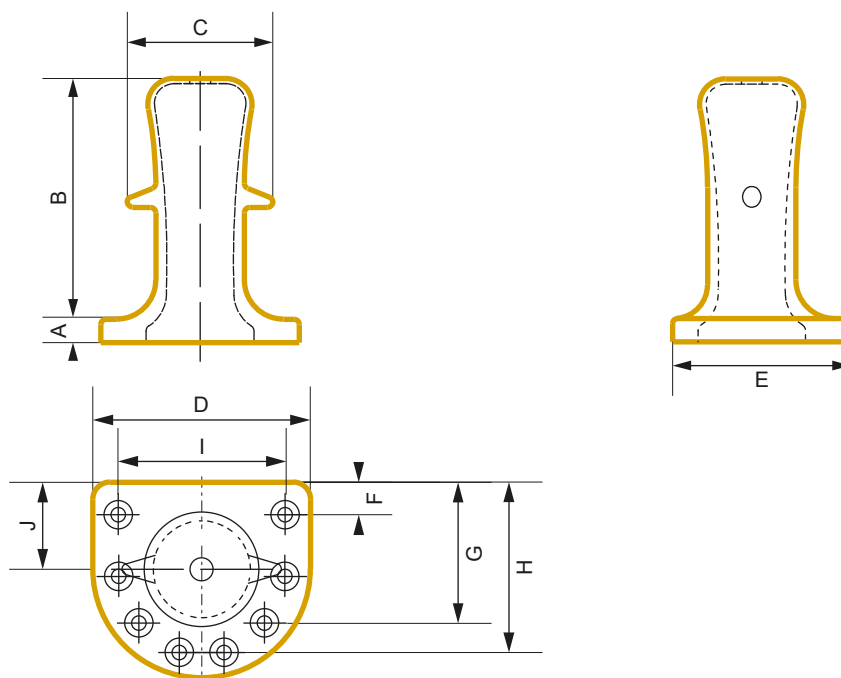
Pillar Bollard – Mooring Bollard



WLL	A	B	C	D	E	F	Bolt Size	Bolt Length	Bolt Qty
15	229	381	368	254	51	356	M24	450	4
30	254	559	426	254	83	432	M30	450	4
50	305	610	533	305	114	508	M30	450	6
75	457	914	864	648	102	610	M36	600	8
100	559	1067	762	510	102	813	M45	800	8
150	559	1067	762	510	102	813	M48	1000	8

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards. Deviation margins need to be taken in mind, this is your own responsibility and not from Castle Hills AS. Each size has a slightly different drawing.

Mooring Bollard – Single Bitt Bollard



WLL	A	B	C	D	E	F	G	H	I	J	Bolt Size	Bolt Length	Bolt Qty
20	55	455	265	360	320	55	200	280	275	145	M24	450	5
30	60	540	310	420	380	63	235	330	320	168	M30	450	5
50	70	685	390	535	480	80	255	395	410	215	M36	600	6
75	82	830	475	650	580	97	310	480	500	260	M42	600	6
100	90	925	560	762	690	115	525	600	585	305	M48	750	7
125	92	1057	605	823	740	125	565	645	630	330	M48	750	7
150	96	1155	660	900	810	135	615	705	690	360	M56	915	7
200	110	1270	725	990	895	150	615	755	760	395	M56	915	8
20	55	455	265	360	320	55	200	280	275	145	M24	450	5
30	60	540	310	420	380	63	235	330	320	168	M30	450	5

Weight unit is Kilograms. All measurements in mm. Measurements, weights, and drawings, are based on industry standards. Deviation margins need to be taken in mind, this is your own responsibility and not from Castle Hills AS.