



P. Pilsson ©

Anchors



A good anchor is your best insurance policy.

What is a good anchor ?

An anchor that enables you to face all situations safely : open berth in a nice calm weather, or "emergency" berth when the boat drifts towards the rocks.

The basic rules of a good anchoring system

Do not overlook the importance of every element in your anchoring system : it is only by selecting top quality elements and assembling them correctly together that one obtains a perfectly reliable anchoring.

- **Chain** : diameter must be generous and length at least 5 times the boat length (see table).
- **Rope** : opt for polyamide, which provides good abrasion and tension resistance, with a good stretching capacity (18 to 25%) to absorb the surges that waves impact on the anchor.

Numerous tests carried out throughout the world have demonstrated that **the geometric proportions of the anchor are more important than its actual weight.**

Anchors of recent construction, such as the Kobra, bites into the seabed within seconds due to its weighted tip and holds very well thanks to its broad shoulders. Tests carried by French magazines Voile Magazine and Moteur Boat Magazine gave clear evidence that "a 6 kg Kobra anchor held a 600 kg traction load, in a mixed sand-mud seabed", which corresponds approx. to the traction exerted by a 42-knot wind on a 9 m boat, where a 12 kg anchor is traditionally recommended.

When the local regulation imposes a minimum anchor weight for a given size of boat, it is imperative to follow strictly the regulation. In the absence of a specific regulation, we suggest that you use our table as a guide, to select your primary and secondary anchors.

Which anchor for which boat and use ?

Max. boat length	Boat displacement	Min. anchor weight	Ø schackle	Ø chain	Nylon rope Ø
Dinghy, tender, Optimist	-	2 kg 4,4 lb	8 mm	6 mm	6 mm
Dinghy, inflatable boat Small catamaran up to 4 m	300 kg	3.5 kg 7.7 lb	8 mm	6 mm	6 - 8 mm
Boat up to 5.50 m	800 kg	6 kg 13 lb	8 mm	6 mm	10 mm
6.50 m	1000 kg	8 kg 17 lb	8 mm	6 - 7 mm	10 mm
7.50 m	2000 kg	10 kg 22 lb	10 mm	8 mm	14 mm
9 m	3000 kg	12 kg 26 lb	10 mm	8 mm	14 mm
10.50 m	4500 kg	14 kg 31 lb	10 mm	8 mm	14 mm
12.50 m	8000 kg	16 kg 35 lb	12 mm	10 mm	18 mm
16 m	12000 kg	20 kg 44 lb	12 mm	10 mm	18 mm
18 m	16000 kg	24 kg 50 lb	16 mm	12 mm	22 mm
20 m	20000 kg	34 kg 75 lb	16 mm	14 mm	24 mm
25 m	30000 kg	40 kg 88 lb	16 mm	14 mm	24 mm
+ 25 m	+ 30000 kg	60 kg 140 lb	18 mm	16 mm	28 mm

The anchor weight is only given as an indication, per length of boat. However, this criterion alone is not sufficient, and your anchor selection should also recognise the specific construction of your vessel.

Alloy anchors

Navimo has selected the extrusion engineering construction rather than the dip moulding, so as to obtain a superior mechanical strength and hence, a rigid and stronger anchor, with no welds to weaken the metal.

"This anchor sets instantly, thanks to its long, thin, sharp-pointed flukes. The 82 cm-wide transverse bar ensures it never turns on its side (...). We were astonished by its holding power of more than 3 tons, equivalent to the cable load of a 12 m (40 ft) yacht in a hurricane." Awesome holding power, speed of setting.

VOILES

Yachting Monthly - Nov 2009

YACHTING MONTHLY

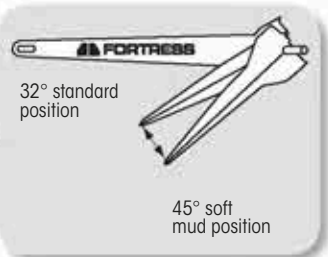
Fortress® anchor NOT JUST STRONGER, LIGHTER!

A worldwide reputation : the legendary Fortress, unanimously claimed no.1 in terms of performance, quality and value. Disassembly feature combined with lightweight make it easy to handle by any crewmember.

Exclusively on Fortress : the flukes can be adjusted from the normal 32° angle to 45°, to increase holding power in soft mud bottoms by as much as 400%.



LIFETIME WARRANTY



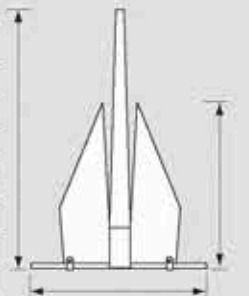
Boat length	FORTRESS	Weight		Replaces steel anchor		A mm	B mm	C mm	Storage bag
		kg	lb	kg	lb				
Below 8 m	35892	1.9	4.1	3-4	6-9	610	356	483	55689
8 to 10 m	35893	3.2	7.1	4-6	10-13	686	406	559	55690
10 to 12 m	35894	4.7	10.4	6-8	14-18	787	457	635	55691
12 to 14 m	35895	7.1	15.6	9-13	19-28	914	533	737	55692
14 to 15.50 m	35896	10.6	23.5	15-23	33-50	1016	610	813	55693
16 to 18 m	39204	16	35.4	23-29	50-65	1168	686	940	-
18 to 21 m	39205	22.9	50.6	32-41	70-90	1295	762	1041	-
21 to 46 m	39206	32.4	71.4	45-77	100-170	1422	838	1143	-

Dimensions including mud palms.



Optional storage bag for Fortress anchor.

Specifications	FORTRESS	GUARDIAN
Aluminium/magnesium alloy	✓	✓
Tough anodised finish	✓	-
Non-magnetic, corrosion resistant	✓	✓
Adjustment of fluke angle for soft mud	32° - 45°	32°
Additional machining of shaft and flukes	✓	-
Disassembles for easy storage	✓	✓
Parts replacement warranty	Lifetime	1 year



Fortress and Guardian anchors can be disassembled for storage or parts replacement.



Fortress and Guardian anchors are supplied with mud palms.

Guardian
UTILITY ANCHORS

Guardian® anchor

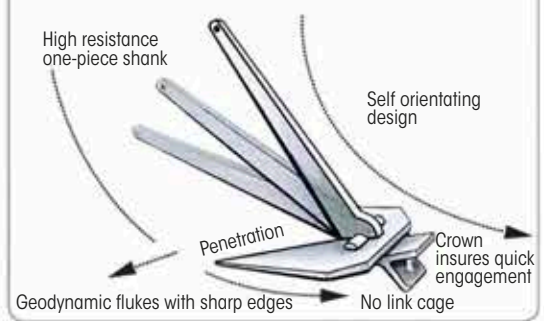
More affordable and slightly less sophisticated alternative to the Fortress, the Guardian anchor is also constructed from aluminium/magnesium alloy and is impervious to corrosion.

Boat length	GUARDIAN	Weight		Replaces steel anchor		A mm	B mm	C mm
		kg	lb	kg	lb			
Below 5 m	36101	1.1	2.5	2-3	4-6	483	279	406
5 to 7 m	36102	1.3	2.9	3-4	6-9	559	330	457
7 to 8 m	36103	2.2	4.8	5-6	10-13	635	381	508
8 to 10 m	36104	3.8	8.3	6-8	14-18	737	432	584
10 to 12 m	36105	5.5	12.2	9-13	19-28	838	483	686
12 to 14 m	36106	8.2	18.1	14-22	33-50	965	558	787
14 to 16 m	55675	12.4	27.3	23-29	50-65	1092	635	889

Dimensions including mud palms.

Flat anchors

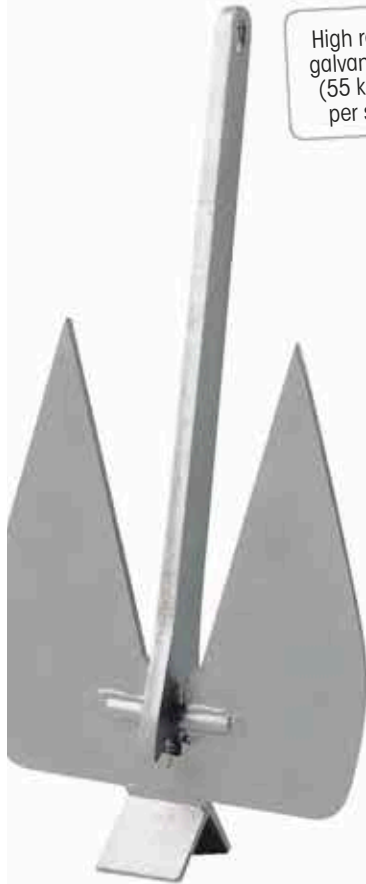
High resistance galvanised steel (55 kg of steel per sq. mm).



Britany® anchor

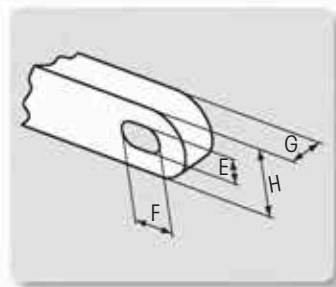
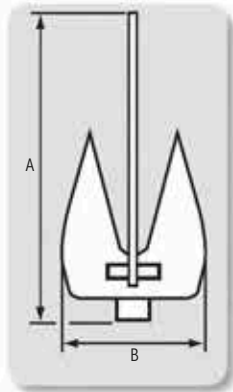
Instant biting into the sea bed :

- To prevent potential fouling, the Britany has no large crown.
- To avoid clogging by pebbles, the Britany has no link cage.
- Thin flukes with sharp edges : ensures quick digging even in the hardest sea beds.
- Geodynamic flukes, ensuring easy burial and perfect holding.
- High resistance shank, cast in one piece : gives perfect resistance even to a strong lateral pull.
- Narrow crown, designed to lift the rear of the anchor, so that the flukes dig in immediately.



Boat length	BRITANY	WEIGHT		A mm	B mm	D mm	E mm	F mm	G mm
		kg	lb						
Dinghy, tender	16456	2	4.4	406	185	10	20	12	22
Dinghy, small catamaran	16457	3.5	7.7	497	219	10	20	14	26
5.50 m	16458	6	13	547	270	12	24	14	30
6.50 m	16459	8	17.6	646	312	12	24	14	30
7.50 m	16460	10	22	732	347	14	28	16	37
9 m	16461	12	26.5	786	347	14	28	18	41
10.50 m	16462	14	30.8	788	368	14	28	18	41
12.50 m	16463	16	35.3	841	368	16	32	20	41
16 m	16464	20	44	910	414	16	32	22	41
18 m	16465	25	55	970	451	16	32	22	44
20 m	16466	35	77	1038	522	19	38	22	52
25 m	16467	45	100	1085	550	25	50	25	64
+ 25 m	16468	65	143.3	1197	594	28	56	30	72
	16469	90	198.5	1292	666	31	62	35	80

Anchor weight per boat length is only given as an indication. However, your anchor selection should also recognise the specific construction of your vessel.



The Britany is the only flat anchor with a shank designed not to foul, thus preventing the anchor from breaking away. It bites into the seabed within seconds.

Bow shields



304 L stainless steel plate.

Protects the bow from knocks and chafe when retrieving the anchor.

Metal sheet is pre-bent to allow for installation on any bow design.

Model with hole is designed for a bow with a towing ring.

Mounting with 12 x Ø 4.2 mm stainless steel screws (not supplied).

Ref.	Width	Height	Thickness	Weight
58388	320 mm	270 mm	1.5 mm	600 g
59040	350 mm	345 mm	1.5 mm	950 g



59040



58388

Plough anchors

Kobra® anchor

The Kobra anchor bites into the seabed within seconds and has a very high holding power, thanks to its weighted tip and very broad shoulders.

The outstanding performance of the Kobra results from its particular geometric proportions, which allow you to select safely up to 2 sizes down compared to the usually recommended anchor weight.

- **Kobra 1 with folding shank (patented)**

Cleverly designed to be stored on the bow roller or stowed in the chain locker thanks to its collapsible shank. Its high holding power makes it ideally suitable for use as a picnic anchor, used in conjunction with a weighted mooring line. This reduces the effort necessary in the absence of windlass.



- **Kobra 2 with fixed shank.**

For winterizing, unbolt the shank before folding it. It will ease the stowage of the anchor in its compartment. Before using the anchor again, relock the shank in position with a well gripped new nylock nut.

- **316 L stainless steel Kobra 2 anchor with fixed shank.**



High resistance galvanised steel : 55 kg/mm²

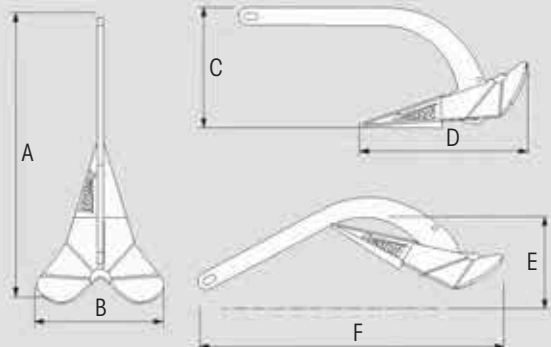
stainless steel 316 L



Unanimously acclaimed by the European boating press
 "Our underwater footage proves the excellence of the design -the Kobra was the second-best anchor on test- and its behaviour in use was reassuringly predictable. It never failed to set, always digging in rapidly and burying itself well. It's **assuredly the winner of this test.** Taking into account the modest price tag, it's **excellent value-for-money.**"

Yachting Monthly - Nov 2009 / Voiles & Voiliers July 2009

Kobra : test winner with German magazine Yacht on muddy and sandy bottoms.
 Yacht - August 2009



Kobra 1 : folded anchor, ready for storage in the chain locker.

Boat length	Model	Ref.	Weight		A mm	B mm	C mm	D mm	E mm	F mm
			kg	lb						
4 m	KOBRA 1 folding galva	39140	2	4.4	408	182	168	238	132	441
6 m		39141	4	8.8	523	236	218	310	170	567
8 m		37680	6	13.2	592	270	247	359	190	638
10 m		37688	8	17.6	640	294	265	388	205	693
12 m		37649	10	22	698	322	290	424	222	758
13 m		49223	12	26.5	739	341	305	452	234	800
14.50 m	KOBRA 2 fixed galva.	49226	14	30.8	789	361	330	500	254	852
16 m		49229	16	35.3	815	374	340	503	259	881
18 m		49296	20	44.1	863	409	366	536	275	940
20 m		49304	25	55.1	937	456	395	586	296	1023
25 m		49360	35	77.2	1029	483	446	644	331	1121
13 m		KOBRA 2 fixed st. steel	56892	12	26.5	739	341	305	452	234
14.50 m	56893		14	30.8	789	361	330	500	254	852
16 m	56894		16	35.3	815	374	340	503	259	881

Tandem Extra anchor

For a safe mooring in all circumstances and high holding power in most bottom configurations : two anchors are connected on one single mooring chain, ready for use. When sailing, the Tandem Extra anchors just stack on the foredeck, taking no more room on deck or in the chain locker than a traditional single anchor.

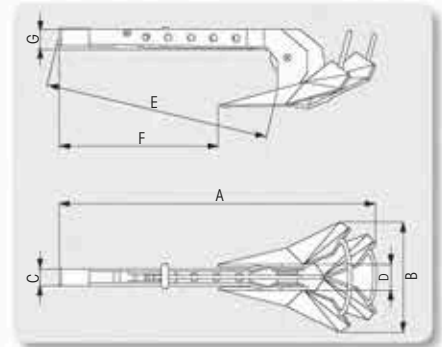
The principle consists in having two different size anchors, both on the same mooring line with the bigger primary anchor closer to the boat.

The Tandem Extra system features 2 anchors (an anchor within an anchor), connected by a chain and ready for mooring.

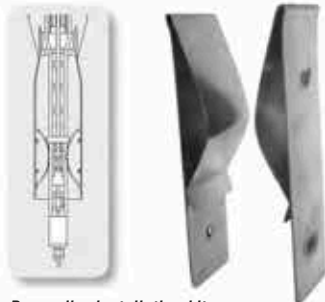
Two anchors are better than one !

Using two anchors logically increases the holding power. The different construction of anchors also enables setting firmly in the widest variety of substrates and bottom configurations :

- Plough type anchor in high-grade anodised steel.
- Unbreakable single piece shank.
- The small anchor's chain runs in the large anchor's shaft.
- Safe locking and unlocking system.
- All moving parts in stainless steel.



Boat length	Boat displacement	Ref.	Weight kg	Chain Ø mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm
5 - 7 m	< 1T	61826	4 + 5	6	744	306	30	62	551	385	60
6 - 9 m	1-2T	61827	6.5 + 8	6	767	316	30	62	568	397	62
8 - 11 m	2-5T	61828	8 + 10	8	789	325	45	67	585	409	64
10 - 14 m	5-10T	61829	12 + 15	10	820	338	45	71	608	424	66
13 - 17 m	10-20T	61830	15 + 18	10	850	350	55	75	630	440	71
16 - 20 m	20-30T	61831	18 + 22	12	880	363	55	75	653	456	73
19 - 22 m	30-40T	61832	25 + 30	12-13	911	375	65	85	675	471	75
21 - 24 m	40-50T	61851	30 + 35	12-13	943	387	65	85	698	486	77



Bow roller installation kit

Two D-springs to be installed inside the bow roller to secure the anchor shaft firmly, 316 L stainless steel. Kit includes screws and tools.

For anchor Tandem Extra	Description	Ref.	Bow roller useful width mm	Chain Ø mm
4 + 5 kg	D-springs S1	61833	Narrow, 50-60	6
	D-springs S2	61834	Wide, 60-70	6
6,5 + 8 kg	D-springs S1	61833	Narrow, 50-60	6
	D-springs S2	61834	Wide, 60-70	6
8 + 10 kg	D-springs M1	61835	Narrow, 60-70	8
	D-springs M2	61836	Wide, 70-80	8
12 + 15 kg	D-springs M1	61835	Narrow, 60-70	8
	D-springs M2	61836	Wide, 70-80	8
15 + 18 kg	D-springs L1	61837	Narrow, 70-80	10
	D-springs L2	61838	Wide, 80-90	10
18 + 22 kg	D-springs L1	61837	Narrow, 70-80	10
	D-springs L2	61838	Wide, 80-90	10
25 + 30 kg	D-springs XL1	61839	Narrow, 90-100	12-13
	D-springs XL2	61840	Wide, 100-110	12-13
30 + 35 kg	D-springs XL1	61839	Étroit, 90-100	12-13
	D-springs XL2	61840	Large, 100-110	12-13



AnchorMan, wireless handheld remote control

Wireless remote control and chain counter (m and ft). Dual counters for use with Tandem anchors.

Model	Description	Ref.	Installation
A AnchorMan BR1	Windlass remote control	61841	Chain locker
A AnchorMan BR2	Windlass & bow thruster remote control	61842	Helm
B AnchorMan BR3	Windlass & bow/stern thrusters remote control	61843	

- Auto-lift and auto-descent function with adjustable limits
- Compatible with any windlass
- Auto-stop safety function
- Immediate windlass response

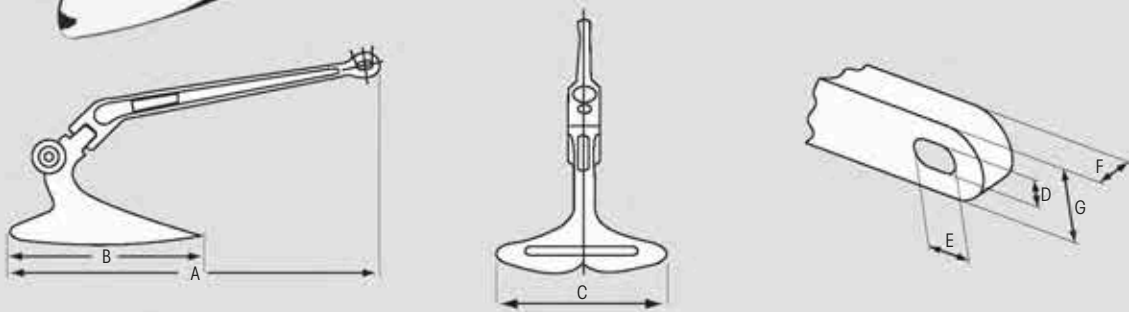
- Base unit : 12-24 V, 15 A, protection rating IP56.
- Wireless remote control : floating and waterproof (IP65). Dimensions 120 x 70 x 30 mm (L x W x H).



Soc® anchor

Plough anchor, available in hot dipped galvanised steel and in 316 L stainless steel.

Boat length	Galvanised Steel	St. Steel	Weight*	
			kg	lb
5.50 m	37846	-	7	15
6.50 m	37847	18690	9	20
9 m	37848	18691	12	25
12.50 m	37849	18692	15	32
17 m	37850	18693	22	45
18 m	37851	37845	27	60



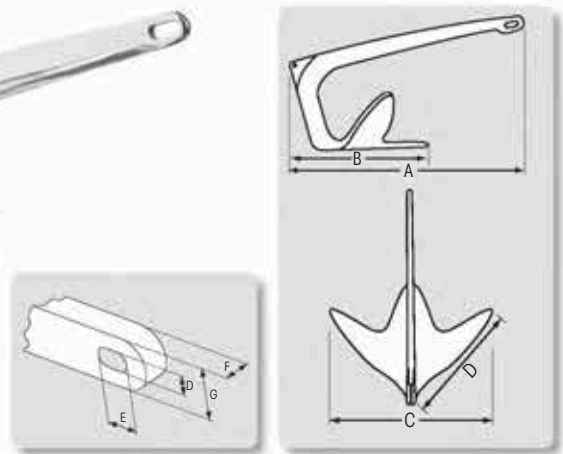
Anchor weight*		Galva. SOC			St. steel SOC			Eye Ø			
kg	lb	A mm	B mm	C mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm
7	15	750	400	250	650	345	228	19	19	18	44.5
9	20	800	410	270	790	405	272	15	15	19	42
12	25	930	440	305	830	425	290	16.7	16.7	25.5	51.4
15	32	970	480	320	860	450	290	17.5	17.5	21	48
22	45	1000	517	360	870	468	322	23	23	21.6	55
27	60	1080	670	420	895	490	335	22	22	22	53.5

* Anchor weight can fluctuate slightly due to the manufacturing process.



FHD anchor

- Galvanised steel : thermal treatment increases the breaking resistance.
- 316 L Stainless steel : dipped in decontaminating fluid, totally impervious to corrosion.



Boat length	Weight		Galvanised	A mm	B mm	C mm	D mm	Stainless steel	A mm	B mm	C mm	D mm	Eye Ø			
	kg	lb											E mm	F mm	G mm	H mm
3.50 m	2	4.5	51602	350	140	195	130	51603	360	140	190	130	-	-	-	-
5 m	5	11	35735	470	260	300	215	35740	440	255	310	210	9	24.5	9.7	29
6.50 m	7.5	17	35736	470	300	330	240	35741	450	285	340	240	14.2	27.5	12.5	33.8
7.50 m	10	22	35737	520	315	370	265	35742	520	315	375	270	13	13.6	13	32.5
10.50 m	15	33	35738	620	365	440	320	35743	615	355	440	310	14.5	38	14.5	38
16 m	20	44	35739	690	390	450	330	35744	650	395	460	330	22	40	22	51
19 m	30	66	37852	810	425	520	380	37853	765	450	515	375	22	40	22	51
25 m	50	110	60779	910	500	625	450	-	-	-	-	-	-	-	-	-
> 25 m	80	176	60780	1045	595	698	525	-	-	-	-	-	-	-	-	-

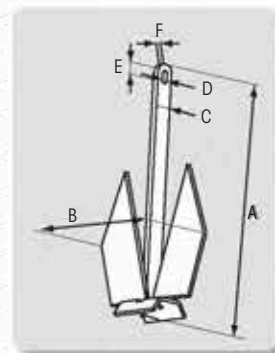
The anchor weight can be subject to variations due to the manufacturing process.

Grapnels

Flat anchor

Most popular type of anchor.
Hot galvanised steel.

Max boat length	Weight kg	Ref. Flat	Ref. Grip	A mm	B mm	C mm	D mm	E mm	F mm
Tender, dinghy	2.5	-	16453	390	186	24	12	24	14
Catamaran	4	401040	-	460	255	30	12	12	12
Dinghy, catamaran	5	-	16454	482	244	35	12	24	14
5.50 m	6	401041	-	510	280	35	12	32	15
	7	-	16455	580	313	40	12	24	14
6.50 m	8	401042	-	535	315	36	16	16	36
	9	-	26894	630	348	45	16	32	16
7.50 m	10	401043	-	580	340	40	18	18	15
9 m	12	401044	-	560	350	40	18	18	20
11 m	15	401047	-	630	385	50	20	20	18
16 m	20	401048	-	750	360	50	20	20	20
18 m	25	404955	-	800	425	55	20	20	25
20 m	30	401049	-	810	500	60	22	22	27
25 m	40	401054	-	910	510	67	22	22	27
+25 m	50	414194	-	1000	560	85	26	26	27
	75	414195	-	1135	620	88	35	35	27



Folding grapnel with spoon flukes

Hot galvanised steel.

Weight	Ref.	Length
1.5 kg	16471	300 mm
2.5 kg	16472	360 mm
3.2 kg	16473	410 mm
4 kg	16474	450 mm
6 kg	16475	550 mm
8 kg	16476	570 mm



Rockfish grapnel

Galvanised steel.

Weight	Ref.	Length
0.7 kg	13255	360 mm
1.3 kg	13256	435 mm



Grapnel holder 16920

Soft white PVC, UV-treated.
Length 260 mm.
For grapnel 2.5 kg max.

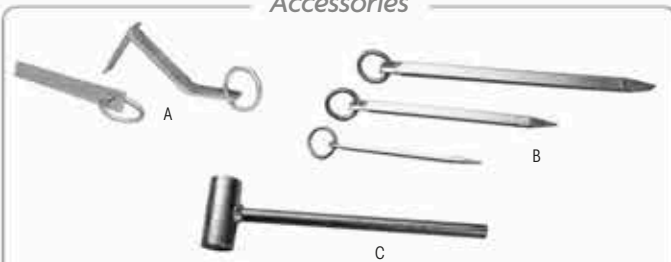
Folding grapnel with straight flukes

Hot galvanised steel.

Weight	Ref.	Length
0.7 kg	17682	190 mm
1.5 kg	16449	330 mm
2.3 kg	16450	350 mm
3.5 kg	16451	410 mm
5.5 kg	16452	470 mm
7.5 kg	13257	530 mm
10 kg	13258	620 mm
12 kg	13259	640 mm



Accessories



A. Mooring wedges

- Galvanised steel.
- Wedges for rock,
 - Straight : **13967**
 - Cranked : **13968**

B. Pegs for soft grounds

- (ex. muddy waters, river or canal banks)
- 12 x 300 mm : **27505**
- 20 x 425 mm : **27506**
- 25 x 550 mm : **27507**

C. Hammer

27498

Mooring packages

To help you make the right choice, Plastimo has put together all the mooring equipment you need in a package including a Brittany, Kobra or Grip anchor, together with the chain, rope and shackles.



J.M. Iot ©

Britany package

Anchor	BRITANY 8 kg	BRITANY 10 kg	BRITANY 12 KG	BRITANY 14 kg	BRITANY 16 kg	BRITANY 20 kg
Boat's length	< 6.50 m	6.50 – 7.50 m	7.50 – 9 m	9 – 10.50 m	10.50 – 12.50 m	12.50 – 16 m
Boat's weight	< 1000 kg	1000 – 2000 kg	2000 – 3000 kg	3000 – 4000 kg	4500 – 8000 kg	8000 – 12000 kg
Ref.	35202	35203	35204	35205	35206	35207
Chain	13 m, Ø 6 mm	15 m, Ø 8 mm	18 m, Ø 8 mm	21 m, Ø 8 mm	25 m, Ø 10 mm	32 m, Ø 10 mm
Stranded polyamide	20 m, Ø 10 mm	23 m, Ø 14 mm	27 m, Ø 14 mm	32 m, Ø 14 mm	38 m, Ø 18 mm	48 m, Ø 18 mm
Galvanised bow shackle	Ø 8 mm	Ø 10 mm	Ø 10 mm	Ø 10 mm	Ø 12 mm	Ø 12 mm
Total weight	25 kg	31 kg	52 kg	60 kg	109 kg	140 kg



Kobra package

Recommended for use on open cruisers, RIB's and small sailboats.

Anchor	KOBRA 4 kg	KOBRA 6 kg
Boat length	4 – 6 m	6 – 8 m
Ref.	46564	46566
Chain	8 m Ø 6 mm	10 m Ø 6 mm
Stranded polyamide	30 m Ø 6 mm	30 m Ø 8 mm
Galvanised bow shackle	Ø 8 mm	Ø 8 mm
Total weight	12.2 kg	16.4 kg



Grip package

Anchor	GRIP 5 kg	GRIP 7 kg
Boat length	4 – 6 m	6 – 8 m
Ref.	46565	46567
Chain	8 m Ø 6 mm	10 m Ø 6 mm
Stranded polyamide	30 m Ø 6 mm	30 m Ø 8 mm
Galvanised bow shackle	Ø 8 mm	Ø 8 mm
Total weight	13.5 kg	17.4 kg

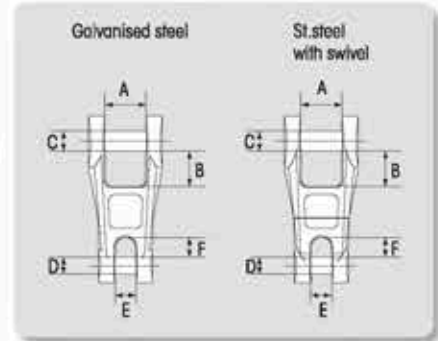
Chain-anchor connectors



Stainless steel



Galvanized



Anchor connectors

Fits most anchors on the market, with fixed or articulated shank.



Model	For chain	Ref.	A	B	C	D	E	F	SWL*
Galvanized steel	Ø 6 mm	57664	16 mm	11 mm	Ø 8 mm	Ø 6 mm	8 mm	7 mm	500 kg
	Ø 8 mm	56388	22 mm	21 mm	Ø 10 mm	Ø 10 mm	10 mm	10 mm	900 kg
	Ø 10 mm	56389	24 mm	21 mm	Ø 12 mm	Ø 10 mm	12 mm	12 mm	1400 kg
	Ø 12 mm	56390	24 mm	25 mm	Ø 14 mm	Ø 14 mm	15 mm	14 mm	2250 kg
	Ø 14 mm	56391	30 mm	25 mm	Ø 16 mm	Ø 14 mm	17 mm	16 mm	2750 kg
St. steel with swivel	Ø 6 mm	57725	16 mm	12 mm	Ø 8 mm	Ø 6 mm	8 mm	7 mm	500 kg
	Ø 8 mm	56392	22 mm	22 mm	Ø 10 mm	Ø 8 mm	10 mm	11 mm	900 kg
	Ø 10 mm	56393	24 mm	22 mm	Ø 12 mm	Ø 10 mm	12 mm	12 mm	1400 kg
	Ø 12 mm	56394	24 mm	26 mm	Ø 14 mm	Ø 14 mm	15 mm	14 mm	2250 kg
	Ø 14 mm	56395	30 mm	26 mm	Ø 16 mm	Ø 14 mm	17 mm	16 mm	2750 kg

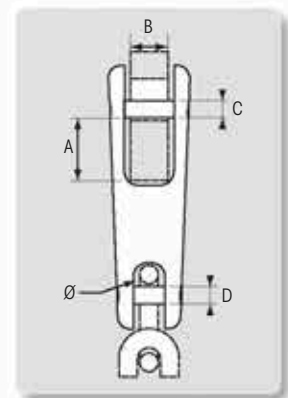
*SWL : Safe Working Load

One-piece fixed connectors or models with one swivelling axis only must be used exclusively with articulated shank anchors. Fixed shank anchors should be equipped with connectors that feature two rotation axes.



Anchor connectors

For articulated-shaft anchors. Ensure perfect sliding of the chain without the possibility of jamming in either the stemhead or chain stopper.

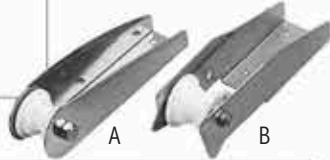


Model	For chain	Ref.	Length	A	B	C	D	SWL
Dual-axis st. steel	Ø 6-8 mm	402452	116 mm	21.4 mm	14.8 mm	11.2 mm	7.8 mm	600 kg
moulded 1 piece	Ø 10-12 mm	402500	135 mm	28.5 mm	18.1 mm	13.1 mm	13.1 mm	1800 kg

Bow rollers

St. steel bow rollers

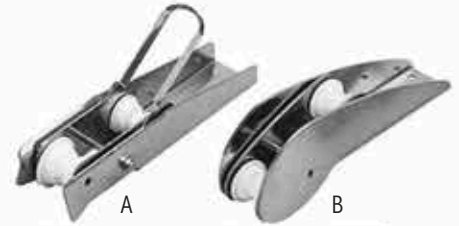
Standard bow rollers



Ref.	Length	Width	Maximum weight anchor*	
			Plough*	Flat*
13244	150 mm		7.500 kg	-
A 27102	200 mm	50 mm	7.500 kg	-
18376	250 mm		7.500 kg	-
39673	300 mm		10 kg	10 kg
B 27104	400 mm	80 mm	15 kg	15 kg
39387	500 mm		20 kg	20 kg

*For most of plough and flat anchor.

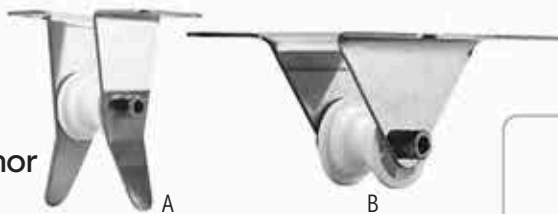
Hinged bow rollers



Ref.	Length	Width	Maximum weight anchor*	
			Plough*	Flat*
27103	300 mm		10 kg	10 kg
A 13246	400 mm	80 mm	15 kg	15 kg
39386	500 mm		20 kg	20 kg
B 39384	330 mm	70 mm	10 kg	-
39385	500 mm	90 mm	10 kg	-

*For most of anchors.

Bow rollers for anchor platform



Ref.	Length	Width	Maximum weight anchor*
A 39380	150 mm	51 mm	Plough anchor
39381		64 mm	max. 15 kg
B 39382	200 mm	51 mm	Flat anchor
39383		64 mm	max. 15 kg

*For most of plough and flat anchor.

Accessories



• **Locking device : 39388**

For bow rollers 13246, 27103, 27104, 39385 à 39387, 39673

• **Spare sheaves**

Ø 54, width 48 mm : **39389**
 Ø 54, width 62 mm : **39390**
 Ø 70, width 62 mm : **39391**

St. steel bow rollers



A

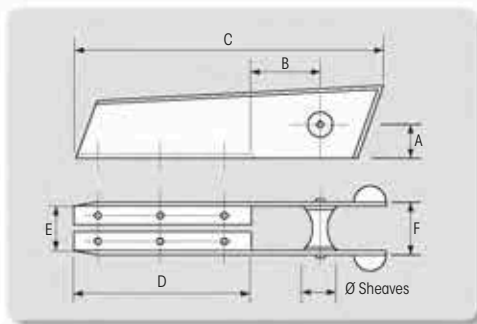


B



C

Maximum anchor weight	Sheaves	St. steel bow roller 304	
3 to 6 kg	Rubber	A 411008	-
	Nylon	B 411111	C 417626



Ref.	A	B	C	D	E	F	Ø Sheaves
411008	10 mm	40 mm	390 mm	290 mm	48 mm	52 mm	60 mm
417626	45 mm	30 mm	160 mm	100 mm	46 mm	50 mm	60 mm
411111	40 mm	30 mm	160 mm	100 mm	50 mm	55 mm	60 mm

Aluminium bow rollers

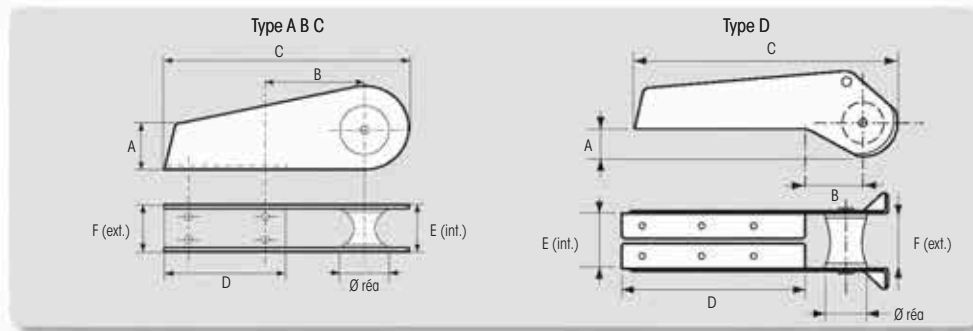
Aluminium bow rollers

	Max anchor weight	Ref.
A	3 to 6 kg	402235
B	4 to 8 kg	417888
C	8 to 12 kg	418618
D	8 to 12 kg	414549
	18 kg	417889

Ref.	A	B	C	D	E	F	Ø sheave	
A	402235	30 mm	30 mm	160 mm	110 mm	25 mm	42 mm	40 mm
B	417888	30 mm	10 mm	155 mm	100 mm	30 mm	25 mm	60 mm
C	418618	25 mm	25 mm	210 mm	150 mm	42 mm	50 mm	45/20 mm
D	414549	10 mm	45 mm	242 mm	150 mm	42 mm	58 mm	70/30 mm
	417889	15 mm	45 mm	325 mm	225 mm	45 mm	62 mm	80/40 mm



D With locking device



Chain pipes

Open chain pipes

	Material	Ref.	Through-hole	Overall dimensions	Cut-out dimensions
A	Anodised aluminium	417885	Ø 30 mm	99 x 75 mm	Ø 42 mm
B	St. steel AISI 316	404842	121 x 70 mm	203 x 127 mm	141 x 86 mm
C	St. steel AISI 316	400712	37 x 93 mm	140 x 62 mm	47 x 103 mm
		410697	50 x 102 mm	152 x 82 mm	155 x 105 mm



Chain pipes with cover

	Description	Ref.	For chain Ø	Through-hole	Overall dimensions	Cut-out dimensions
A	Round chain pipe	400750	25 mm	36 mm	Ø 78 mm	Ø 40 mm
B	Oval chain pipe	13249	6 - 12 mm	103 x 52 mm	160 x 114 x 38 mm	-



Chain swivel

Galvanised steel. Two swivels are necessary per mooring buoy. Swivel diameter must be 4 mm superior to chain diameter.

Ref.	Ø	SWL*	
13240	8 mm	560 kg	5
13241	10 mm	1000 kg	5
13242	12 mm	1600 kg	2
13243	16 mm	2300 kg	2

Chain

Grade 30 non-calibrated short link chain or secondary chain

Suitable for use in conjunction with marking buoys or for mooring use without a windlass.

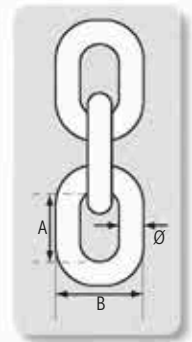


- Plastic drum.

Ø	Ref.	A	B	Weight/m	Total weight	Break load	SWL*	Length
6 mm	57189	24 mm	23 mm	0.73 kg	43.8 kg	1300 kg	290 kg	60 m
6 mm	57179	24 mm	23 mm	0.73 kg	73 kg	1300 kg	290 kg	100 m
8 mm	57190	32 mm	30 mm	1.33 kg	79.8 kg	2300 kg	500 kg	60 m
8 mm	57180	32 mm	30 mm	1.33 kg	133 kg	2300 kg	500 kg	100 m
10 mm	57181	40 mm	37 mm	2.10 kg	126 kg	4300 kg	775 kg	60 m
12 mm	57206	48 mm	46 mm	3 kg	150 kg	5000 kg	1125 kg	50 m
14 mm	57182	56 mm	51 mm	4.20 kg	168 kg	7000 kg	2000 kg	40 m



DIN 764
DIN 5685 A



* Safe Working Load.

- Your selected length**

Ø	Ref.	A	B	Weight/m	Break load	SWL*
16 mm	57191	56 mm	56 mm	5.70 kg	9000 kg	2500 kg
18 mm	57192	63 mm	63 mm	7 kg	11500 kg	3150 kg
20 mm	57193	70 mm	60 mm	8.40 kg	14000 kg	4000 kg
22 mm	57194	78 mm	75 mm	10.40 kg	17000 kg	6250 kg

* Safe Working Load.

** Sold per meter, delivery within 6 weeks.



Short-link st. steel chain

- Short-link 316 st. steel chain.

DIN 766



Ø	Réf.	Weight/m	Working load	Length
3 mm	416037	0.165 kg	70 kg	50 m
4 mm	416038	0.320 kg	200 kg	50 m
6 mm	419169	0.800 kg	400 kg	30 m



Long-link st. steel chain

- Long-link 316 st. steel chain.

DIN 763

Ø	Réf.	Weight/m	Working load	Length
2 mm	404801	0.060 kg	30 kg	30 m
3 mm	404802	0.150 kg	70 kg	50 m
4 mm	404803	0.270 kg	125 kg	50 m
5 mm	404804	0.430 kg	195 kg	30 m
6 mm	404805	0.630 kg	290 kg	30 m
8 mm	409842	1.100 kg	500 kg	30 m



Anchor shackle

Mooring shackle which allows you to quickly connect a second anchor to the main chain without reducing resistance. Increased wind and wave stability. Cast 316 st. steel. Captive axis. Patented system.

Ø chain	Ref.	Working load	Breaking load
6 mm to 8 mm	402472	700 kg	2500 kg
10 mm to 12 mm	402480	1500 kg	5000 kg



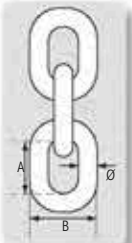
Hex axis shackle

316 st. steel shackle. Hex axis. Allen key locking.

	Ø chain			
Shackle	6 mm	8 mm	10 mm	12 mm
Straight	422169	100709	402546	422167
Bow	417032	417034	417035	417038

Calibrated Chain

Every windlass is designed to operate with a specific type of chain. It is essential to read the windlass manual in order to select the most appropriate chain. In the event that you might select an inappropriate chain, it could slip in the gypsy when under load, while the anchor is holding firmly.



Galvanisation

Our complete chain range is galvanised as per EN ISO 1461 standard, which requires a minimum 58 micron galvanisation thickness. Our chain goes through regular testing in accelerated seawater environment to guarantee a regular galvanisation quality. A specific engineering process provides a better hold of the galvanisation on the metal, to ensure a longer lifetime. Hot dip galvanisation is engineered with zinc. There may be cases where a marina would be unusually exposed to galvanic currents which could generate a chain deterioration. In such cases, we recommend to use mooring anodes (ref. 38266 & 38267), which will protect both the chain and the metallic parts of the boat.

Grade 40 calibrated short-link chain

Calibrated chain, suitable for use with a windlass :
regular links fit most gipsies.
• Hot dip galvanised.

CE EN818-3/
EN24565
ISO 4565



Ø	Ref.	Weight/m	Total weight	A	B	Break load	SWL*	Length
6 mm	16495	0.80 kg	80 kg	18,5 mm	20 mm	1630 kg	400 kg	100 m
7 mm	25391	1.00 kg	60 kg	21 mm	23 mm	2548 kg	630 kg	60 m
8 mm	471068	1.40 kg	42 kg	24 mm	26 mm	4030 kg	1000 kg	30 m
8 mm	16501	1.40 kg	84 kg	24 mm	26 mm	4030 kg	1000 kg	60 m
8 mm	57147	1.40 kg	140 kg	24 mm	26 mm	4030 kg	1000 kg	100 m
10 mm	16499	2.30 kg	138 kg	30 mm	34 mm	5096 kg	1250 kg	60 m
10 mm	57148	2.30 kg	230 kg	30 mm	34 mm	5096 kg	1250 kg	100 m
12 mm	16497	3.30 kg	165 kg	36 mm	40 mm	8500 kg	2000 kg	50 m
14 mm	16500	4.40 kg	176 kg	42 mm	46 mm	10000 kg	2500 kg	40 m

• In bundle

Ø	Ref.	Weight/m	Total weight	A	B	Break load	SWL*	Length
6 mm	16496	0.8 kg	6 kg	18,5 mm	20 mm	1630 kg	400 kg	8 m
8 mm	16498	1.4 kg	14 kg	24 mm	26 mm	4030 kg	1000 kg	10 m
8 mm	52249	1.4 kg	20 kg	24 mm	26 mm	4030 kg	1000 kg	14 m
10 mm	54166	2.3 kg	35 kg	30 mm	34 mm	5096 kg	1250 kg	15 m
12 mm	60765	3.3 kg	330 kg	36 mm	40 mm	8500 kg	2000 kg	100 m
14 mm	60766	4.4 kg	440 kg	42 mm	46 mm	10000 kg	2500 kg	100 m
16 mm	478501	6.1 kg	366 kg	48 mm	54 mm	16400 kg	3150 kg	60 m

*Safe working load

Grade 40 hot dip galvanised chain

- Calibrated chain, suitable for use with a windlass.
- In plastic drum.

DIN 766 A
ISO 261016



Ø	Ref.	A	B	Weight/m	Total weight	Break load	SWL*	Length
8 mm	50540	24 mm	26 mm	1.40 kg	63 kg	3260 kg	800 kg	45 m
10 mm	49536	28 mm	34 mm	2.30 kg	138 kg	5096 kg	1250 kg	60 m
13 mm	54124	34 mm	40 mm	3.30 kg	165 kg	8500 kg	2000 kg	50 m

*Safe working load

316 L stainless steel chain

- Calibrated chain, suitable for use with a windlass.
- In plastic drum.

DIN 766 A
ISO 261016



Ø	Ref.	A	B	Weight/m	Total weight	Break load	SWL*	Length
6 mm	57176	19 mm	20 mm	0.80 kg	40 kg	1630 kg	400 kg	50 m
8 mm	57177	24 mm	26 mm	1.40 kg	42 kg	4030 kg	1000 kg	30 m
10 mm	57178	28 mm	35 mm	2.30 kg	69 kg	5096 kg	1250 kg	30 m

*Safe working load

Mooring packages

Packages include chain, rope and shackle to suit your own anchor.

DIN 766A
Ref. 53246 : EN 24565



Boat length*	Boat's weight*	Anchor	Ref.	Chain	Ø rope	Ø Shackle	Weight
< 6,50 m	1000 kg	< 8 kg	53242	10 m Ø 6 mm	20 m Ø 8 mm	8 mm	10 kg
6.50 - 7.50 m	1000 - 2000 kg	8 - 10 kg	53243	13 m Ø 6 mm	25 m Ø 12 mm	8 mm	14 kg
7.50 - 9 m	2000 - 3000 kg	10 - 12 kg	53244	15 m Ø 8 mm	25 m Ø 14 mm	10 mm	25 kg
9 - 12 m	3000 - 7000 kg	12 - 14 kg	53245	18 m Ø 8 mm	32 m Ø 14 mm	10 mm	32 kg
12 - 16 m	7000 - 12000 kg	15 - 20 kg	53246	21 m Ø 10 mm	40 m Ø 18 mm	12 mm	57 kg

*Information given as an indication only. To be adapted to your boat type and your navigation programme.