



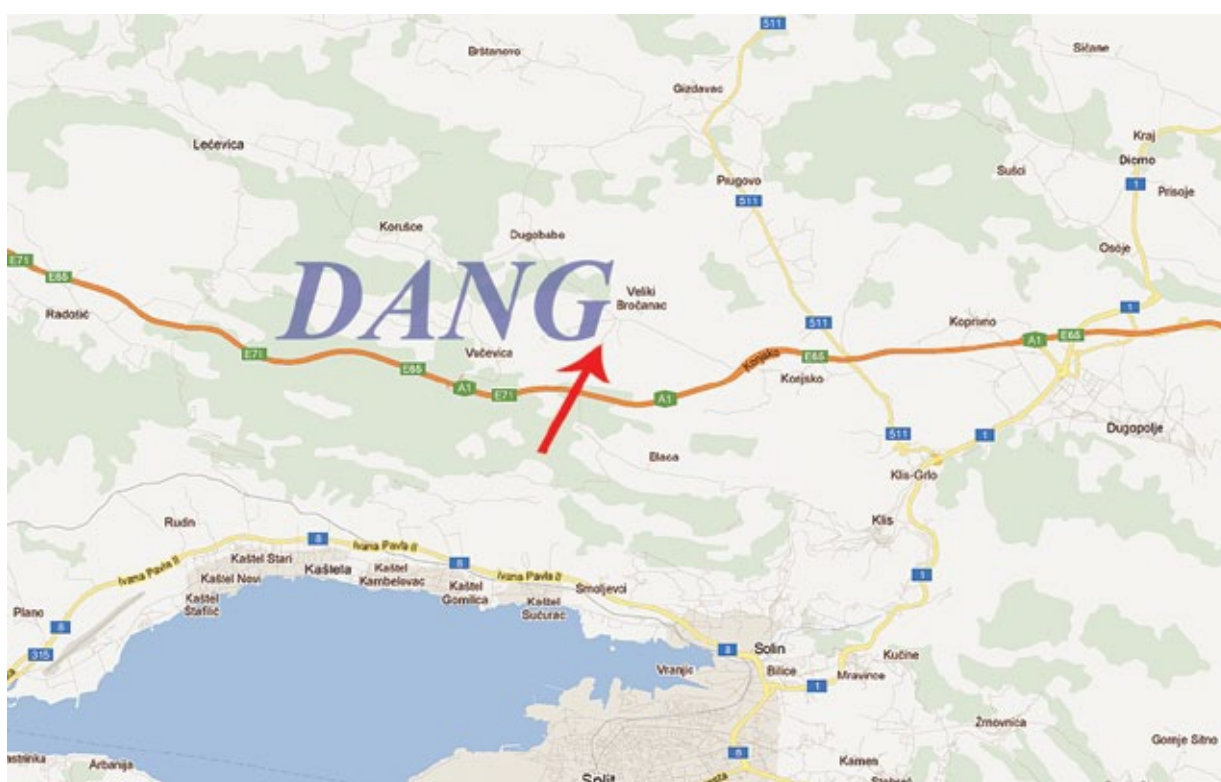
DANG

***CINK ANODE KATALOG
ZINC ANODES CATALOGUE***

Sjedište i maloprodaja naših proizvoda je u zemljopisnom centru Splita - u Velebitskoj 11. Lokacija se nalazi na početku jedne od 4 glavne paralelne splitske prometnice i posjeduje vlastiti parking.



Proizvodni pogon se nalazi u Broćancu, 25 km udaljenom od centra grada ili 3km od izlaza Vučevica na autoputu Split - Zagreb. U mogućnosti smo u roku 12 sati isporučiti protektore u bilo koje hrvatsko brodogradilište ili marinu.



Kontrolu kvalitete naših proizvoda vrše vanjski ispitni laboratoriji (Zavod za zaštitu zdravlja SdŽ, i Kemijsko tehnološki fakultet u Splitu). Našim korisnicima nudimo proizvođačko jamstvo i jedini u Hrvatskoj policu osiguranja od štete prema trećim osobama.



Sirovina spremna za izradu anoda



Proizvodnja u punom zamahu

Stalna kontrola kvalitete osnova je našeg dugogodišnjeg uspješnog rada.

Certifikati Hrvatskog registra brodova koje posjedujemo su priznati od strane vodećih svjetskih kuća kao što su Lyod Register, Bureau Veritas i dr. Ispunjavanje zahtjeva o kvaliteti, brzina isporuke uz prihvatljive cijene je ono čime zadovoljavamo naše kupce.

Naša ponuda je kompletna - od izrade projekta katodne zaštite, izrade anoda do dostave kupcu.

Projekt katodne zaštite je segment naše ponude na koji smo posebno ponosni, a prihvaćen je od konstrukcijskih odjela naših brodogradilišta. Uz izradu kompletnog projekta katodne zaštite stojimo na usluzi savjetom svakom brodaru.

Mogućnosti naše proizvodnje su cca. 1800 kg dnevno što daleko nadmašuje potrebe domaće brodogradnje i brodaru, te se sve više trudimo izići na inozemna tržišta.

Uz izradu anoda za brodogradnju i remonta brodogradilišta proizvodimo i anode za industrijsku upotrebu, te za zaštitu podzemnih cjevovoda, odnosno lučkih postrojenja.



Kemijski laboratorij za ispitivanje sastava anoda



Naše anode na 60m jahti na remontu u Brodotogriru



Ovako izgleda potpuno "istrošena" anoda



Sa aparatom za mjerenje elektropotencijala možemo jednostavno izmjeriti da li protektori "rade" ili ne.

Zn-anode

Gustoća / Density: 7,14 g/cm³
Kapacitet / Capacity: 780 Ah/kg
Trošenje / Spending: 4 mg/h
Potencijal / Potential: -1100mV (Ag/AgCl)
Sastav / Composition:

Chemical composition in %						
ANODE	Max. allowable impurities in %					Zn remainder
	Fe 0,0014	Pb 0,006	Cd 0,002	Cu 0,005	Al 0,1	
CARRIER	Steel plate E.0345V - hot dip galvanized					

Namjena: katodna zaštita trupa, podvodnog dijela trupa kod svih plovila, cjevovoda, tankova i svih vrsta konstrukcija.

Assignment: cathodic protection of underwater hulls of all floating objects, pipe work, tanks and all kinds of construction

Al-anode

Gustoća / Density: 2,8 g/cm³
Kapacitet / Capacity: max.2750 Ah/kg
Trošenje / Spending: 0,36 mg/h
Potencijal / Potential: 1100mV (Ag/AgCl)
Sastav / Composition:

Chemical composition in %							
ANODE	Max. allowable impurities in %						Al remainder
	Zn 0,35 - 1	Mg 0,001 - 0,03 max	Si 0,1 max	Cu 0,0003 max	In 0,03	Al ostalo	
CARRIER	Steel plate E.0345V						

Namjena: katodna zaštita trupa, podvodnog dijela trupa kod svih plovila, cjevovoda, tankova i svih vrsta konstrukcija.

Assignment: cathodic protection of underwater hulls of all floating objects, pipe work, tanks and all kinds of construction

Tehničke karakteristike

tip anode / type anode	Zn	Al
specifična težina g/cm ³ / density g/cm ³	7,14	2,80
elektrokapacitet AH/kg / current capacity AH/kg	780	2750
efikasnost / current efficiency	95%	95%
potrošnja pri proizvodnji 1A/ god. kg / alloy consumed to produce 1 A/year kg	11,20	3,2
potencijal m -V/AG/AGCL / potential m -V/AG/AGCL	-1100	-1150

Zaštitni potencijal prema nekim najčešćim metalima

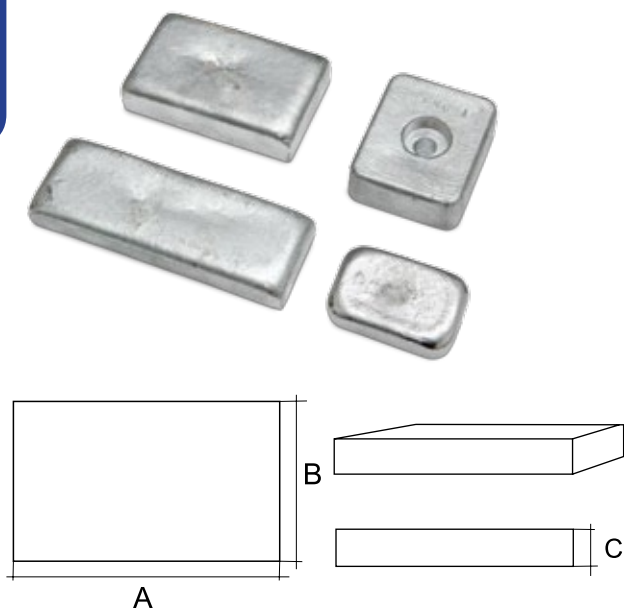
bronca -400 mV (AG/AGCL)	crni čelik -800 mV (AG/AGCL)	nehrđajući čelik -200-400 mV (AG/AGCL)	mesing -550 mV (AG/AGCL)	aluminij -800-1100 mV (AG/AGCL)
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ARTIKAL 01 - oblik ploče

Pločasti oblik za opću upotrebu za zaštitu svih vrsta konstrukcija, galvanizaciju ili dalju obradu.

Plate shape for general application on all kinds of construction.

Kb. 01



Kb. 01	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
01 - A	Ploča	1100	200	10	cca 15,00 kg
01 - B	Ploča	800	200	10	cca 11,00 kg
01 - C	Ploča	600	200	20	cca 17,00 kg
01 - D	Ploča	600	200	10	cca 8,50 kg
01 - E	Ploča	300	250	25	cca 14,00 kg
01 - F	Ploča	250	250	25	cca 11,00 kg
01 - G	Ploča	205	200	25	cca 9,00 kg
01 - H	Ploča	200	100	20	cca 4,00 kg
01 - I	Ploča	160	50	20	cca 1,10 kg
01 - J	Ploča	130	100	25	cca 2,50 kg
01 - K	Ploča	115	40	15	cca 0,40 kg
01 - L	Ploča	80	50	25	cca 0,50 kg
01 - M	Ploča	50	60	25	cca 0,50 kg
01 - N	Ploča	35	55	15	cca 0,15 kg
01 - O	Ploča	200	150	25	cca 5,35 kg
01 - P	Ploča	1200	20	25	cca 42,50 kg
01 - R	Ploča	135	75	25	cca 1,2 kg

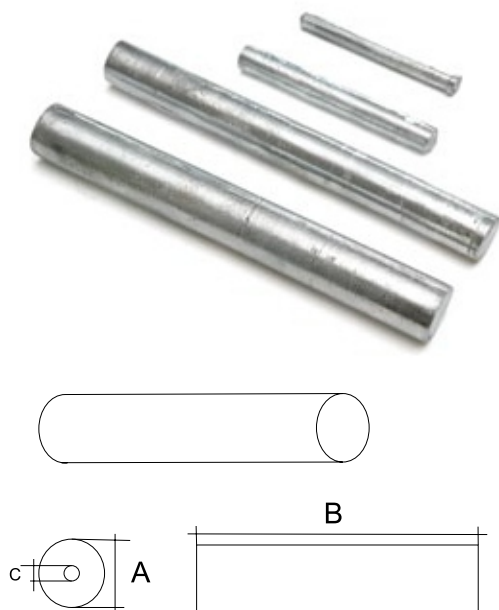
I sve ostale dimenzije na zahtjev and all other dimensions on demand

ARTIKAL 02 - oblik šipke

Cilindrični oblik za viseće anode u periodu mirovanja plovila ili za opću upotrebu.

Cylindrical shape for general application setting out in berthing periods.

Kb. 02

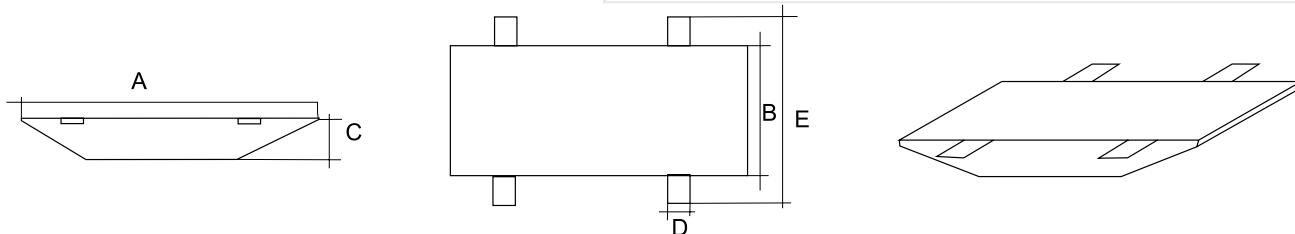


Kb. 02	Opis	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
		A	B	C		
02 - A	Šipka	10	100			0,05 kg
02 - B	Šipka	15	100			0,13 kg
02 - C	Šipka	20	250			0,60 kg
02 - D	Šipka	25	200			0,70 kg
02 - E	Šipka	30	250			1,20 kg
02 - F	Šipka	40	200			1,70 kg
02 - G	Šipka	50	250			6,30 kg
02 - H	Tuljak	80	300		Viseći	10,00 kg
02 - I	Šipka	230	30			9,40 kg
02 - J	Tuljak	100	400			23,00 kg
02 - K	Šipka	185	95	20		2,60 kg
02 - L	Šipka	140	50	20		1,80 kg
02 - M	Šipka	205	25			5,90 kg
02 - N	Šipka	240	17	30		9,45 kg
02 - O	Tuljak	150	150			11,00 kg
02 - P	Tuljak	80	100		Viseći	3,00kg
02 - R	Tuljak	80	150		Viseći	5,00 kg
02 - S	Tuljak	Prema zahtjevu				

ARTIKAL 03 - trapezni oblik

Zn anode za zaštitu kormila i trupa svih vrsta plovila i za zaštitu svih vrsta 030metalnih konstrukcija. Pričvršćenje varenjem. Dostupno i kao aluminijske anode i ostale dimenzije na zahtjev.

Protection of rudder and hulls of all kinds of floating objects. Available in aluminium.



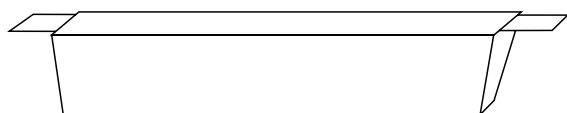
Kb. 03	Opis	Približne dimenzije Approx. dimensions					Približna težina Approx. weight +/-3%
		A	B	C	D	E	
03 - A	Trapez	150	50	25	30	250	cca 1,50 kg
03 - B	Trapez	150	100	40	30	250	cca 4,00 kg
03 - C	Trapez	300	80	45	30	420	cca 6,00 kg
03 - D	Trapez	300	150	40	30	270	cca 8,00 kg
03 - E	Trapez	300	155	40	30	270	cca 10,00 kg
03 - F	Trapez	300	150	45	30	270	cca 12,00 kg
03 - G	Trapez	300	150	50	30	270	cca 13,00 kg
03 - H	Trapez	500	120	40	30	240	cca 17,00 kg
03 - I	Trapez	440	150	50	30	270	cca 20,00 kg
03 - J	Trapez	600	150	45	30	270	cca 30,00 kg
03 - K	Trapez	650	150	90	70	290	cca 50,00 kg
03 - L	Trapez	1220	116	106	50	250	cca 98,00 kg

Kb. 03

ARTIKAL 03AI - kvadratni oblik

Anoda iz aluminija za 030zaštitu balastnih tankova i trupa. Pričvršćenje varenjem. Dostupno i od cinka.

Protection of rudder and hulls of all kinds of floating objects. Available in zinc.



Kb. 03AI	Opis	Približne dimenzije Approx. dimensions					Približna težina Approx. weight +/-3%
		A	B	C	D	E	
03AI - 2	Trapez	300	60	40	50	400	cca 2,00 kg
03AI - 4	Trapez	400	90	40	50	500	cca 4,00 kg
03AI - 5	Trapez	605	55	55	8	725	cca 5,00 kg
03AI - 6	Trapez	600	90	40	50	700	cca 6,00 kg
03AI - 12	Trapez	1200	90	40	50	1300	cca 11,50 kg
03AI - 15	Trapez	930	150	40	50	1030	cca 15,00 kg

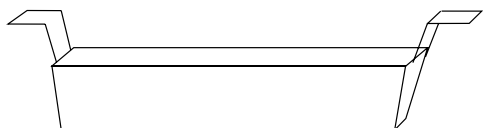
I sve ostale dimenzije na zahtjev and all other dimensions on demand

Kb. 03AI

ARTIKAL 03t - kvadratni oblik

Zaštita balastnih tankova – pričvršćenje varenjem ili vijcima.
(kod narudžbe navesti razmak rupa i oblik nosača).
Dostupno i od aluminija.

Protection of balast water tanks.
Available in aluminium.



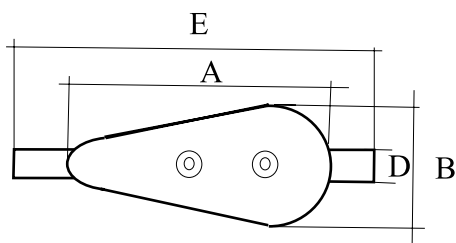
Kb. 03t	Opis	Približne dimenzije Approx. dimensions					Približna težina Approx. weight +/-3%
		A	B	C	D	E	
03t - A	Trapez	150	50	25	30	250	cca 1,50 kg
03t - B	Trapez	300	90	30	30	400	cca 5,00 kg
03t - C	Trapez	205	76	70	30	355	cca 6,00 kg
03t - D	Trapez	305	76	70	30	450	cca 9,00 kg
03t - E	Trapez	500	150	44	30	650	cca 20,00 kg
03t - F	Trapez	1000	50	50	8	1120	cca 17,00 kg
03t - G	Trapez	1200	150	80	30	280	cca 22,00 kg
03t - H	Trapez	1200	150	90	30	280	cca 30,00 kg
03t - J	Trapez	300	80	80	30	440	cca 14,00 kg
Aluminijske anode i sve ostale dimenzije na zahtjev. Aluminium anodes and all other dimensions on demand							



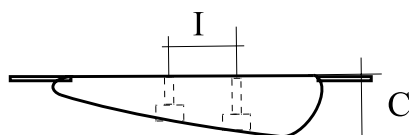
ARTIKAL 04 - kapljasti oblik

Zn anode za zaštitu kormila i trupa svih vrsta plovila i
za zaštitu svih vrsta 030metalnih konstrukcija. Pričvršće
varenjem (ili vijcima). Dostupno u aluminiju.

Zn anodes for protection of sterns and rudder.



Kb. 04	Opis	Približne dimenzije Approx. dimensions						Približna težina Approx. weight +/-3%
		A	B	C	D	E	I	
04 - a	Kaplja	50	30	15				0,10 kg
04 - A	Kaplja	90	50	15			33	0,25 kg
04 - B	Kaplja	145	40	22			52	0,50 kg
04 - C	Kaplja	132	65	25			53	1,00 kg
04 - D	Kaplja	150	90	25	30	250		2,00 kg
04 - E	Kaplja	160	95	40	30	260		2,80 kg
04 - F	Kaplja	220	150	40	30	320		6,00 kg
04 - G	Kaplja	250	150	40	30	350		8,00 kg
04 - H	Kaplja	280	160	45	30	380		10,00 kg
04 - I	Kaplja	290	160	55	30	390		12,00 kg



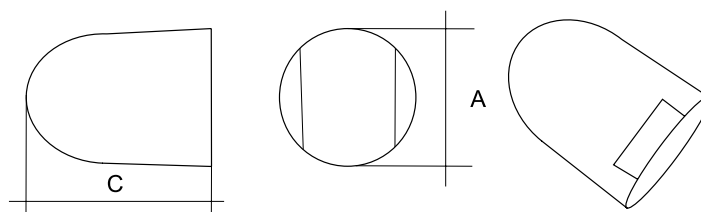
ARTIKAL 05 - sirovina za matice

Tuljci za dalju obradu - za izradu matica - za zaštitu osovine i propele.

Propeller protection.



Kb. 05	Opis	Približne dimenzije Approx. dimensions		Približna težina Approx. weight +/-3%
		A	C	
05 - A	tuljak	Ø 60	70	cca 1,10 kg
05 - B	tuljak	Ø 50	60	cca 0,50 kg
05 - C	tuljak	Ø 40	50	cca 0,35 kg
05 - D	tuljak	Ø 30	30	cca 0,15 kg



Kb. 05

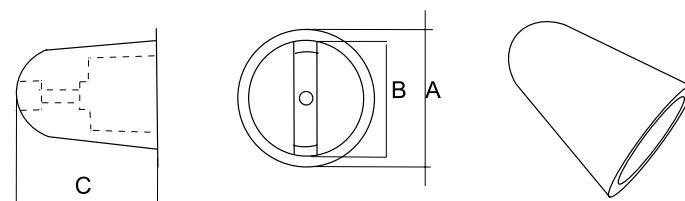
ARTIKAL 05MTF - tip MTF

Zaštita brodske osovine (propele). Tip MTF.

Protection of propeller and shaft. Type MTF.



Kb. 05 MTF	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05MTF - A	osovina 20-30	38	29	38	cca 0,11 kg
05MTF - B	osovina 35-50	52	40	50	cca 0,25 kg
05MTF - C	osovina 50-100	66	46	73	cca 0,76 kg



Kb. 05MTF

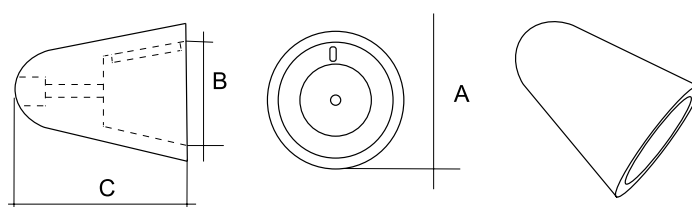
ARTIKAL 05K - konusni dosjed

Zaštita brodske osovine (propele) - konusni tip. Radice

Protection of propeller and shaft. Conic type.



Kb. 05K	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05K - E	osovina Ø22/25	33	25	39	cca 0,15 kg
05K - F	osovina Ø30	42	32	53	cca 0,30 kg
05K - G	osovina Ø35	46	38	61	cca 0,30 kg
05K - H	osovina Ø40	51	42	68	cca 0,45 kg
05K - I	osovina Ø45	61	48	76	cca 0,45 kg
05K - J	osovina Ø50	73	57	84	cca 1,10 kg
05K - K	osovina Ø55	75	65	87	cca 1,50 kg
05K - L	osovina Ø60	82	71	98	cca 1,70 kg



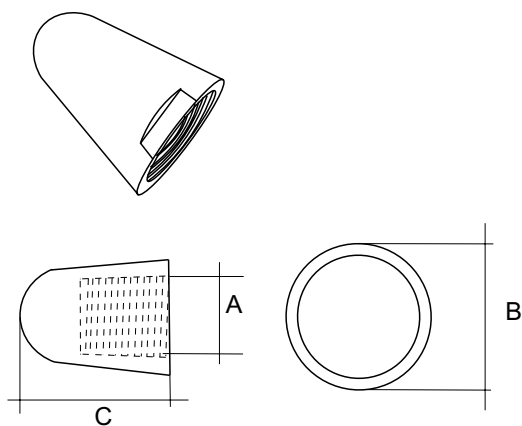
Kb. 05K

ARTIKAL 05N - cink s navojem

Zaštita brodske osovine (propele) - matica.

Protection of propeller and shaft.

Kb. 05N



Kb. 05N	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05N - 00	navoj	M10	30	32	cca 0,14 kg
05N - 01	navoj	M12	30	32	cca 0,14 kg
05N - 02	navoj	14 x 1,50	30	32	cca 0,14 kg
05N - 03	navoj	14 x 1,50	40	43	cca 0,25 kg
05N - 04	navoj	16 x 1,50	30	32	cca 0,14 kg
05N - 05	navoj	16 x 1,50	40	43	cca 0,25 kg
05N - 06	navoj	16 x 2,00	40	43	cca 0,25 kg
05N - 07	navoj	16 x 2,00	30	32	cca 0,14 kg
05N - 08	navoj	18 x 1,50	40	43	cca 0,25 kg
05N - 09	navoj	18 x 1,50	50	48	cca 0,32 kg
05N - 10	navoj	18 x 1,75	40	43	cca 0,25 kg
05N - 11	navoj	18 x 2,00	40	43	cca 0,25 kg
05N - 12	navoj	18 x 2,50	40	43	cca 0,25 kg
05N - 13	navoj	20 x 1,50	40	43	cca 0,25 kg
05N - 14	navoj	20 x 1,50	50	48	cca 0,32 kg
05N - 15	navoj	20 x 2,00	40	43	cca 0,25 kg
05N - 16	navoj	20 x 2,50	50	48	cca 0,32 kg
05N - 17	navoj	20 x 2,50	40	43	cca 0,25 kg
05N - 18	navoj	20 x 2,00	40	43	cca 0,25 kg
05N - 19	navoj	22 x 2,00	40	43	cca 0,25 kg
05N - 20	navoj	22 x 1,50	40	43	cca 0,25 kg
05N - 21	navoj	22 x 2,50	50	48	cca 0,32 kg
05N - 22	navoj	22 x 2,50	40	43	cca 0,25 kg
05N - 23	navoj	24 x 1,50	40	43	cca 0,25 kg
05N - 24	navoj	24 x 2,00	40	43	cca 0,20 kg
05N - 25	navoj	24 x 2,00	50	48	cca 0,32 kg
05N - 26	navoj	24 x 2,50	40	43	cca 0,20 kg
05N - 27	navoj	24 x 2,50	50	48	cca 0,30 kg
05N - 28	navoj	26 x 1,50	50	48	cca 0,30 kg
05N - 29	navoj	26 x 2,00	50	48	cca 0,30 kg
05N - 30	navoj	26 x 2,00	40	43	cca 0,20 kg
05N - 31	navoj	26 x 2,50	50	48	cca 0,30 kg
05N - 32	navoj	27 x 2,00	50	48	cca 0,30 kg
05N - 33	navoj	30 x 2,00	50	48	cca 0,30 kg
05N - 34	navoj	33 x 2,00	50	48	cca 0,30 kg
05N - 35	navoj	36 x 3,00	60	64	cca 0,80 kg
05N - 36	navoj	40 x 3,00	60	64	cca 0,80 kg
05N - 37	navoj	45 x 3,00	60	64	cca 0,80 kg
05N - 38	navoj	1" W	60	64	cca 0,80 kg
05N - 39	navoj	1/2" W	50	48	cca 0,30 kg
05N - 40	navoj	3/4 " W	50	48	cca 0,30 kg

ARTIKAL 05S - šesterokutni dosjed

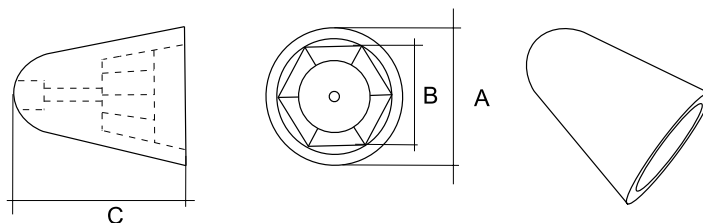
Zaštita brodske osovine (propele) / šesterokutni tip. Radice.

Protection of propeller and shaft.



Kb. 05S	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05S - E	osovina Ø22/25	34	o.k. 20	39	cca 0,10 kg
05S - F	osovina Ø30	43	o.k. 25	53	cca 0,30 kg
05S - G	osovina Ø35	46	o.k. 29	62	cca 0,40 kg
05S - H	osovina Ø40	52	o.k. 36	67	cca 0,45 kg
05S - I	osovina Ø45	61	o.k. 41	76	cca 0,60 kg
05S - J	osovina Ø50	73	o.k. 46	84	cca 1,00 kg
05S - K	osovina Ø55	75	o.k. 50	87	cca 1,20 kg
05S - L	osovina Ø60		o.k. 55		cca 1,70 kg

Ostale dimenzije na zahtjev / Other dimensions on demand.



Kb. 05S

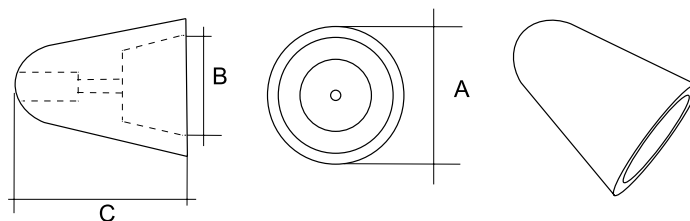
ARTIKAL 05 FERETI

Zaštita brodske osovine (propele) - matica tip FERETI.

Protection of propeller and shaft. Type FERETI.



Kb. 05F	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05F - A	Fereti 680	Ø155	116	122	cca 12,00 kg
05F - B	osovina 40	Ø 51	35	67	cca 0,50 kg
05F - C	osovina 45	Ø 61	41	75	cca 0,90 kg
05F - D	osovina 50	Ø 54	45	73	cca 0,63 kg
05F - E	osovina 55 RIVARAM	Ø 59	40	88	cca 1,10 kg
05F - F		Ø 68	55	95	cca 1,30 kg



Kb. 05F

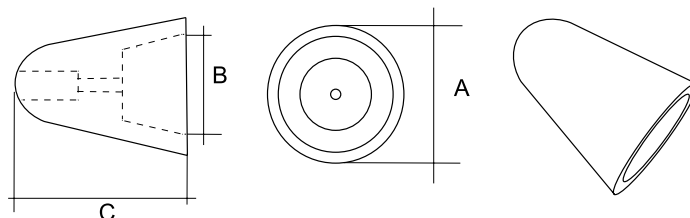
ARTIKAL 05 RIVA

Zaštita brodske osovine (propele) - matica tip RIVA

Protection of propeller and shaft. Conic type.



Kb. 05RI	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05RI - A	osovina 20-30	Ø 38	25	38	cca 0,17 kg
05RI - B	osovina 35-50	Ø 52	36	50	cca 0,33 kg



Kb. 05RI

ARTIKAL 05 SOLE

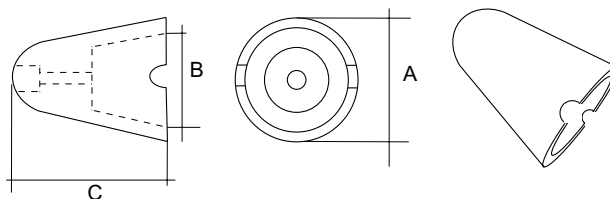
Zaštita brodske osovine (propele) - tip SOLE.

Protection of propeller and shaft. Type SOLE.

Kb. 05SOLE



Kb. 05 SOLE	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05SOLE - A	osovina Ø25	32	24	39	cca 0,13 kg
05SOLE - B	osovina Ø30	37	26	46	cca 0,19 kg
05SOLE - C	osovina Ø35-40	47	36	60	cca 0,37 kg
05SOLE - D	osovina Ø45-50	55	45	70	cca 0,61 kg
05SOLE - E	osovina Ø60	65	50	80	cca 0,80 kg

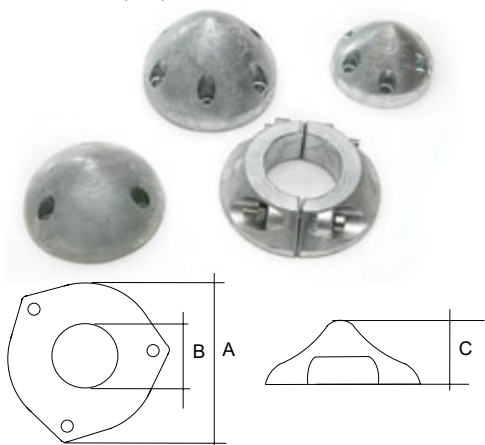


ARTIKAL 05 MAX

Zaštita broskog vijka (propele) - tip MAX prop.

Protection of propeller and shaft.

Kb. 05MAX



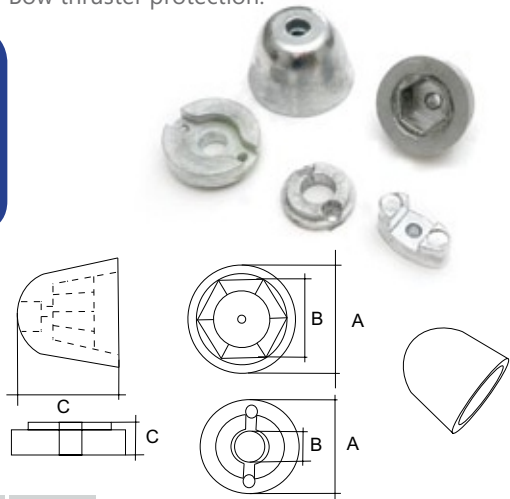
Kb. 05 MAX	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05MAX - 01	3 rupe	65	Ø38	42	cca 0,28 kg
05MAX - 02	3 rupe	72	Ø42	43	cca 0,38 kg
05MAX - 03	3 rupe	84	Ø46	60	cca 0,60 kg
05MAX - 04	3 rupe	100	Ø52	61	cca 1,10 kg
05MAX - 05	prsten	92	Ø42	25	cca 0,62 kg
05MAX - 06	prsten	92	Ø46	25	cca 0,60 kg
05MAX - 07	6 rupa	61	Ø39	38	cca 0,30 kg
05MAX - 08	6 rupa	68	Ø44	43	cca 0,41 kg
05MAX - 09	6 rupa	80	Ø47	55	cca 0,58 kg
05MAX - 10	3 rupe	60	Ø39	38	cca 0,30 kg
05MAX - 11	3 rupe	67,7	Ø43,6	42,8	cca 0,55 kg
05MAX - 12	2 rupe	36	12	51	cca 0,20 kg

ARTIKAL 05T - za trastere

Zaštita bočnih potisnika.

Bow thruster protection.

Kb. 05 T

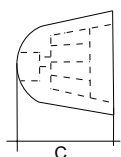


Kb. 05 T	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05T - A	SLEIPNER 101180 125	42	o.k. 34	25	cca 0,16 kg
05T - B	SLEIPNER 21180 55/75/95	45	o.k. 19,5	20	cca 0,12 kg
05T - C	AZ	53	22	54	cca 0,48 kg
05T - D	BE	63	41	90	cca 1,10 kg
05T - E	VETUS BP129 3kW	40	20	24	cca 0,06 kg
05T - F	VETUS BP1221 kgf 25	38	17	10	cca 0,04 kg
05T - G	VETUS BP1126 kgf 35/55	50	15	17	cca 0,14 kg
05T - H	VETUS BP1185 kgf 75/95	56	15	15	cca 0,14 kg
05T - I	QUICK BTQ 2500	57	o.k. 25	45	cca 0,32 kg
05T - J	QUICK BTQ 18500	49	o.k. 20,5	29	cca 0,24 kg
05T - K	QUICK BTQ 14000	48	o.k. 18	30	cca 0,22 kg
05T - L	SLIDE POWER 201180	46	o.k. 24,5	41	cca 0,24 kg

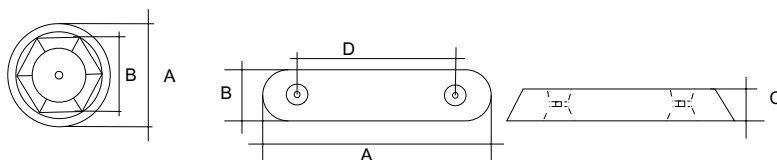
ARTIKAL 05V - Vetus

Zaštita brodske osovine (propele) - matica tip VETUS.

Protection of propeller and shaft. Type VETUS.



Kb. 05V	Opis	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
		A	B	C	D	
05V - A	matica BP195E	60	o.k. 4025			cca 0,44 kg
05V - B	matica 1210	50	o.k. 24,5 41			cca 0,38 kg
05V - C	kapa	68	56	55		cca 0,64 kg
05V - D	kapa	84	56	52		cca 0,95 kg
05V - E	matica	55	o.k. 28 47			cca 1,00 kg
05V - F	krmeni tip.8	78	47	45		cca 1,03 kg
05V - G	krmeni tip	150	60	25	80	cca 0,97 kg
05V - H	krmeni tip	230	65	28	140	cca 2,30 kg
05V - I	krmeni tip	300	55	30	200	cca 2,70 kg

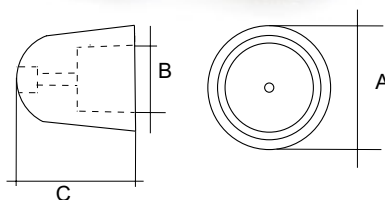
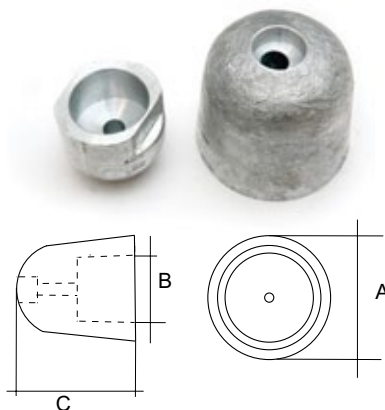


Kb. 05V

ARTIKAL 05 CIL - Reggiani

Zaštita brodske osovine (propele) - matica tip REGGIANI.

Protection of propeller and shaft. Type REGGIANI.



Kb. 05 CIL	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
05CIL - A	osovina 25	34	20	34	cca 0,13 kg
05CIL - B	osovina 30	44	20	50	cca 0,33 kg
05CIL - C	osovina 35	48	28	55	cca 0,40 kg
05CIL - D	osovina 40	54	34	55	cca 0,50 kg
05CIL - E	osovina 45	64	40	65	cca 0,90 kg
05CIL - F	osovina 50	74	45	75	cca 1,50 kg
05CIL - G	osovina 55	78	48	75	cca 1,60 kg
05CIL - H	osovina 60	88	55	85	cca 2,40 kg

Kb. 05CIL

ARTIKAL 06 - oblik kugle

Zaštita brodske osovine - pričvršćene vijcima

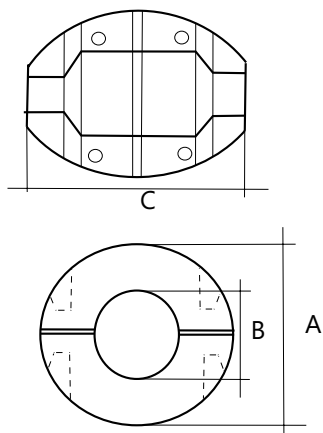
Shaft protection.



Kb. 06	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
06 - 19	za osovину	50	19	60	cca 0,47 kg
06 - 20	za osovину	53	20	60	cca 0,48 kg
06 - 22	za osovину	53	22	60	cca 0,48 kg
06 - 25	za osovину	53	25	60	cca 0,45 kg
06 - 254	za osovину	53	25,4	60	cca 0,45 kg
06 - 28	za osovину	53	28	60	cca 0,44 kg
06 - 286	za osovину	53	28,6	60	cca 0,44 kg
06 - 30	za osovину	78	30	60	cca 0,83 kg
06 - 318	za osovину	78	31,8	60	cca 0,80 kg

Kb. 06

ARTIKAL 06 - oblik kugle

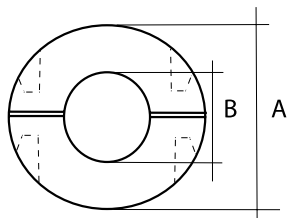
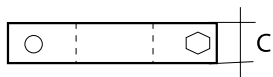


ARTIKAL 07 - oblik prstena

Zaštita brodske osovine - pričvršćene vijcima

Shaft protection.

Kb. 07



Kb. 06	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
06 - 34	za osovinu	78	34	60	cca 0,77 kg
06 - 35	za osovinu	78	35	60	cca 0,74 kg
06 - 38	za osovinu	78	38	60	cca 0,72 kg
06 - 40	za osovinu	69	40	87	cca 1,10 kg
06 - 444	za osovinu	69	44,4	87	cca 1,00 kg
06 - 45	za osovinu	69	45	87	cca 1,00 kg
06 - 50	za osovinu	81	50	107	cca 1,70 kg
06 - 55	za osovinu	81	55	107	cca 1,50 kg
06 - 571	za osovinu	81	57,1	107	cca 1,45 kg
06 - 60	za osovinu	104	60	109	cca 3,00 kg
06 - 635	za osovinu	104	63,5	109	cca 2,90 kg
06 - 65	za osovinu	104	65	109	cca 2,80 kg
06 - 70	za osovinu	120	70	128	cca 5,90 kg
06 - 75	za osovinu	120	75	128	cca 5,50 kg
06 - 80	za osovinu	120	80	128	cca 5,30 kg
06 - 85	za osovinu	120	85	128	cca 5,00 kg

Kb. 07	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
07 - 19	za osovinu	52	19	18	cca 0,20 kg
07 - 22	za osovinu	52	22	18	cca 0,20 kg
07 - 25	za osovinu	57	25	20	cca 0,25 kg
07 - 254	za osovinu	57	25,4	20	cca 0,20 kg
07 - 286	za osovinu	57	28,6	20	cca 0,18 kg
07 - 30	za osovinu	58	30	20	cca 0,35 kg
07 - 318	za osovinu	58	31,8	20	cca 0,30 kg
07 - 35	za osovinu	68	35	24	cca 0,45 kg
07 - 38	za osovinu	68	38	24	cca 0,42 kg
07 - 40	za osovinu	88	40	22	cca 0,60 kg
07 - 45	za osovinu	88	45	22	cca 0,55 kg
07 - 50	za osovinu	101	50	26	cca 1,00 kg
07 - 55	za osovinu	101	55	26	cca 0,86 kg
07 - 571	za osovinu	101	57,1	26	cca 0,70 kg
07 - 60	za osovinu	105	60	34	cca 1,30 kg
07 - 635	za osovinu	105	63,5	34	cca 1,00 kg
07 - 65	za osovinu	105	65	34	cca 0,90 kg
07 - 70	za osovinu	124	70	41	cca 2,35 kg
07 - 75	za osovinu	124	75	41	cca 2,20 kg
07 - 80	za osovinu	124	80	41	cca 2,10 kg
07 - 85	za osovinu	124	85	41	cca 2,00 kg
07 - 90	za osovinu	148	90	48	cca 2,80 kg
07 - 95	za osovinu	148	95	48	cca 2,50 kg
07 - 100	za osovinu	148	100	48	cca 2,20 kg
07 - 110	za osovinu	200	110	39	cca 5,00 kg

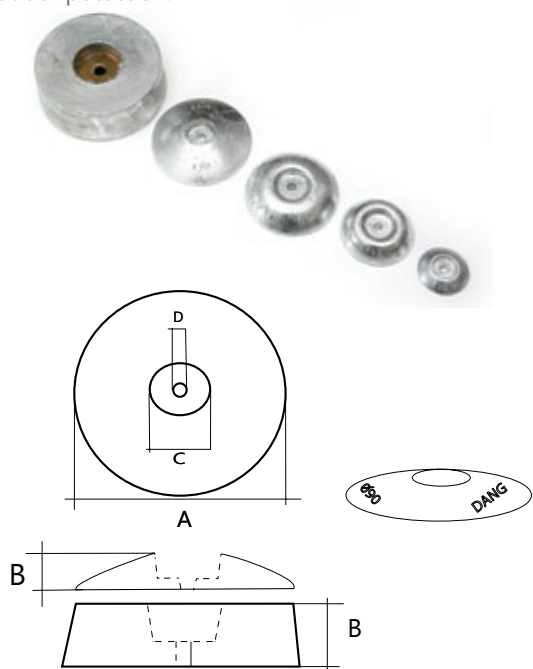
ARTIKAL 07 - oblik prstena

Kb. 07	Opis	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
		A	B	C	
07 - 115	za osovinu	200	115	39	cca 5,60 kg
07 - 120	za osovinu	200	120	39	cca 5,50 kg
07 - 127	za osovinu	200	127	39	cca 5,30 kg
07 - 130	za osovinu	200	130	39	cca 5,20 kg
07 - 135	za osovinu	200	135	39	cca 5,10 kg
07 - 140	za osovinu	200	140	39	cca 5,00 kg

ARTIKAL 08 - oblik tanjurić/disk

Zaštita lista kormila i mapsova - pričvršćenje vijcima.

Rudder protection.



Kb. 08	Opis	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
		A	B	C	D	
08 - 50s	tanjurić	50	10	22	6	cca 0,08 kg
08 - 60s	tanjurić	60	12	18	6	cca 0,17 kg
08 - 70s	tanjurić	70	13	22	8	cca 0,19 kg
08 - 80s	tanjurić	80	13	23	8	cca 0,32 kg
08 - 90s	tanjurić	90	18	30	9	cca 0,45 kg
08 - 110s	tanjurić	110	19	30	9	cca 0,62 kg
08 - 125s	tanjurić	125	26	35	10	cca 1,15 kg
08 - 140s	tanjurić	140	26	35	13	cca 1,35 kg
08 - 200s	tanjurić	200	30	38	13	cca 4,50 kg
08 - 50h	tanjurić	50	15	21	7	cca 0,15 kg
08 - 60h	tanjurić	60	19	18	7	cca 0,25 kg
08 - 75h	tanjurić	75	20	29	9	cca 0,30 kg
08 - 100h	tanjurić	100	20	32	9	cca 0,65 kg
08 - 110h	tanjurić	110	19	17	9	cca 0,80 kg
08 - 120h	tanjurić	120	24	37	12	cca 1,35 kg
08 - 125d	disk	125	38	47	13	cca 2,75 kg
08 - 135d	disk	135	47	47	13	cca 3,90 kg
08 - 140d	disk	140	35	50	15	cca 3,00 kg
08 - 125t	disk	125	38	47	13	sa čepom 3,00 kg
08 - 135t	disk	135	47	47	13	sa čepom 4,10 kg
08 - 140t	disk	140	35	50	15	sa čepom 3,10 kg

ARTIKAL 09 - oblik ploče

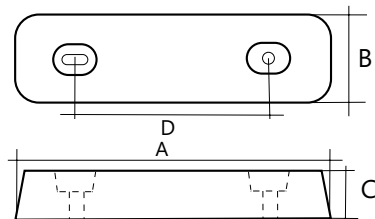
Centralna anoda - pričvršćenje vijcima.

Central anode. Screwed.



Kb. 09	Opis	Približne dimenzije Approx. dimensions	Približna težina Approx. weight +/-3%
		A x B x C : D	
09 - A	Fairline	450 x 105 x 45 : 230	cca 10,00 kg
09 - a	Fairline	420 x 80 x 45 : 230	cca 7,00 kg
09 - B		280 x 80 x 45 : 200	cca 5,00 kg
09 - C	Sea Ray	200 x 100 x 30 : 130	cca 1,70 kg
09 - D	Riva	290 x 90 x 30 : 160	cca 4,50 kg
09 - E	Fairline/Vetus	290 x 55 x 30 : 200	cca 3,00 kg
09 - F	Vetus	230 x 65 x 28 : 140	cca 3,00 kg
09 - G	Fairline	220 x 60 x 30 : 160	cca 2,90 kg
09 - H		180 x 65 x 30 : 102	cca 2,00 kg
09 - I	GDF	190 x 55 x 25 : 75	cca 1,80 kg

ARTIKAL 09 - oblik ploče



Kb. 09	Opis	Približne dimenzije Approx. dimensions	Približna težina Approx. weight
		A x B x C : D	+/-3%
09 - J	Vetus	150 x 60 x 25 : 80	cca 1,70 kg
09 - K	Arneson	110 x 65 x 20 : 70	cca 1,30 kg
09 - L		130 x 50 x 18 : 57	cca 0,90 kg
09 - M		145 x 67 x 20 : 77	cca 0,80 kg
09 - N		300 x 150 x 30 : 160	cca 9,20 kg
09 - O	Azimuth	200 x 100 x 30 : 110	cca 4,00 kg
09 - P	Fairline	220 x 70 x 35 : 40-110	
09 - R	Fairline	300 x 35 x 160 : 150	
09 - S	Turian	Ø 125 x 25 : 105	
09 - T	Turian	Ø 140 x 25 : 110	
09 - U	Turian	Ø 135 x 29 : 115	

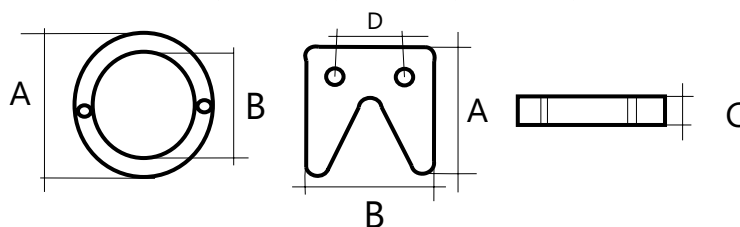
ARTIKAL 10 - tomos

Zaštita brodske osovine - pričvršćene vijcima

Shaft protection.



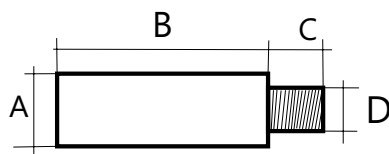
Kb. 10	Približne dimenzije Approx. dimensions			Približna težina Approx. weight
	A	B	C	
10 - A	50	40	10	cca 0,10 kg
10 - B	45	45	10	cca 0,10 kg



ARTIKAL 11 - cink rashlada

Centralna anoda za zaštitu rashladnih sistema.

Central anode for protection of cooling systems.



Kb. 11	Opis	Približne dimenzije Approx. dimensions			
		A	B	C	D
11 - 01	Onan R-1	10	30	8	3/8"
11 - 02	Onan R-1	13	26	5	Ø 9,5
11 - 03	Onan R-2	10	31	8	M8
11 - 04	G.M. R-3	16	54	12	7/16 W
11 - 05	G.M. R-4	19	86	15	5/8 W
11 - 06	G.M. R-20	19	54	15	5/8 W
11 - 07	Cummins R-5	18	65	15	16x1,5
11 - 08	Cummins R-6	16	31	13	3/8 W
11 - 09	Cummins R-12	10	20	8	M6
11 - 10	Cummins R-14	16	50	10	7/16 W
11 - 11	Volvo Penta R-7	15,5	40	10	7/16 W
11 - 12	Volvo Penta R-7BIS M8 16	30	10	7/16 W	
11 - 13	Volvo Penta R-8	16,5	13	10	5/16 W
11 - 14	Volvo Penta R-10	25	44	10	3/8 W
11 - 15	Aifo	10	18	8	Ø 7
11 - 16	Aifo	13	26	7	Ø 10
11 - 17	Aifo	14	26	8	Ø 12
11 - 18	Aifo	14	40	10	M8

ARTIKAL 11 - cink rashlada

Kb. 11	Opis	Približne dimenzije Approx. dimensions			
		A	B	C	D
11 - 19	Scania	17	45	10	12x1
11 - 20	V.M. R-13	14	40	10	M8
11 - 21	V.M. R-13 BIS	14	20	10	M8
11 - 22	BMW R-15	13	50	13	3/8"
11 - 23	Caterpillar R-17	14	26	7	Ø 12
11 - 24	Caterpillar R-25	10	55	11	1/4" NPT
11 - 25	Caterpillar R-25 BIS 28		55	20	3/4 W
11 - 26	Caterpillar R-26	22	20	11	5/8 UNF
11 - 27	Caterpillar R-27	16	76	13	3/8" NPT
11 - 28	Caterpillar R-27BIS 12		40	10	3/8" NPT
11 - 29	Caterpillar R-28	16	63	13	3/8 W
11 - 30	Caterpillar R-30	14	33	12	5/16 W
11 - 31	Bukh R-16	12	35	10	M5
11 - 32	Renault R-9	14	20	R12	18x1,5
11 - 33	Isotta F. R-23	20	33,5	18x1,5	
11 - 34	Sole	14	45		unut. M8
11 - 35	Yamaha	20	39	8	M8
11 - 36	Yanmar	20	30	10	M8
11 - 37	Yanmar	20	20	8	M8
11 - 38	Yanmar	12,5	30	8	3/8"
11 - 39	DMB	30,1	30		
11 - 40	Lombardini	14	26	10	12
11 - 41	Lombardini	10	18	8	8,5
11 - 42	Nani	10	17	7	8
11 - 43	Nani	14	26	7	10

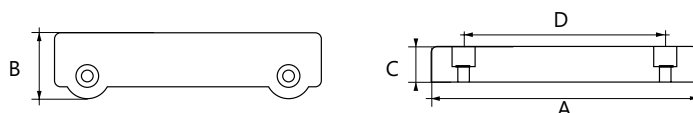
ARTIKAL 12 - Volvo

Volvo Penta, AQ250, AQ270, AQ275, AQ280, AQ289DP.

Volvo Penta, AQ250, AQ270, AQ275, AQ280, AQ289DP.



Kb. 12	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
	A	B	C	D	
012	187	41	22	145	cca 1,00 kg



Kb. 12

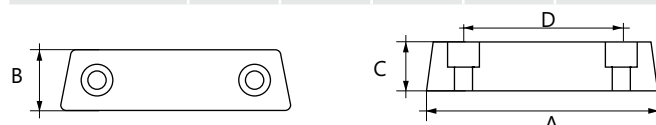
ARTIKAL 13 - Volvo

Volvo Penta, AQ290, AQ290DP.

Volvo Penta, AQ290, AQ290DP.



Kb. 13	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
	A	B	C	D	
013	130	44	26	85	cca 0,75 kg



Kb. 13

ARTIKAL 14 - Volvo

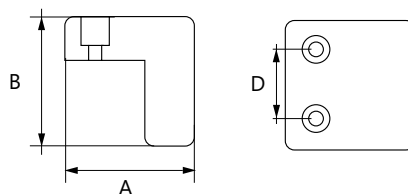
Volvo Penta, AQ270T, AQ280T.

Volvo Penta, AQ270T, AQ280T.

Kb.14



Kb. 14	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
	A	B	C	D	
014	54	56	20	26	cca 0,75 kg



ARTIKAL 15 - Volvo

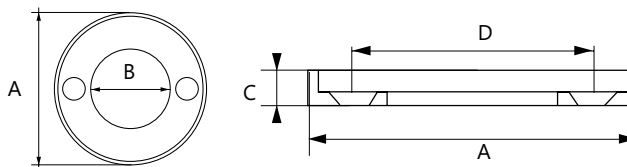
Volvo Penta, AQ200, AQ270, AQ270T, AQ275.

Volvo Penta, AQ200, AQ270, AQ270T, AQ275.

Kb.15



Kb. 15	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
	A	B	C	D	
015 - A	114	58	9	80	cca 0,30 kg
015 - B	108	58	11	80	cca 0,20 kg



ARTIKAL 16 - Volvo

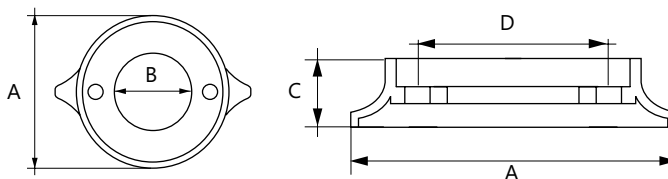
Volvo Penta AQ280T, AQ280, AQ290, AQ290A.

Volvo Penta AQ280T, AQ280, AQ290, AQ290A.

Kb.16



Kb. 16	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
	A	B	C	D	
016 - A	120	61	35	80	cca 0,75 kg
016 - B	111	85	30	91	cca 0,42 kg



ARTIKAL 17 - Volvo

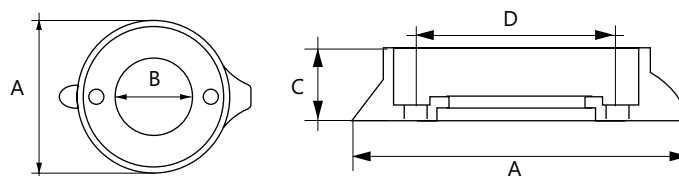
Volvo Penta AQ120S, AQ120SB.

Volvo Penta AQ120S, AQ120SB.

Kb.17



Kb. 17	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
	A	B	C	D	
017	95	40	27	72	cca 0,60 kg



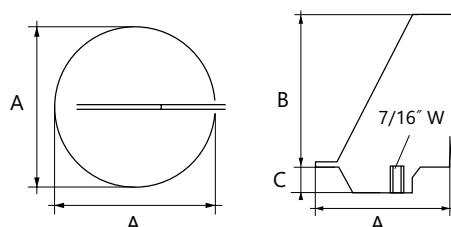
ARTIKAL 18 - Mercury

Motor Mercury Mercruiser "Bravo One".

Engine Mercury Mercruiser "Bravo One".



Kb. 18	Približne dimenzije Approx. dimensions				Približna težina Approx. weight +/-3%
	A	B	C	D	
018	90	100	18	7/19"	cca 0,60 kg



Kb. 18

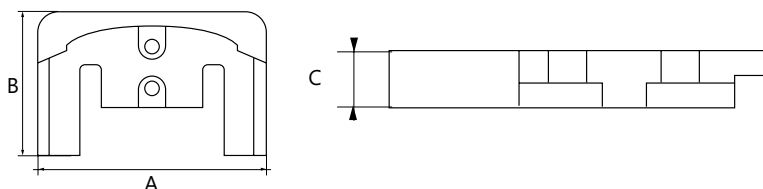
ARTIKAL 19 - Mercury

Motor Mercury Mercruiser "Bravo One".

Engine Mercury Mercruiser "Bravo One".



Kb. 19	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
	A	B	C	
Kb.019	175	110	18	cca 1,00 kg



Kb. 19

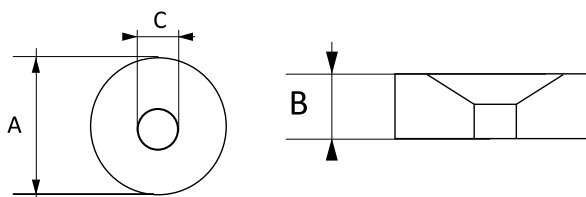
ARTIKAL 20 - Mercury

Mercury, Yamaha, 4KS, 5KS.

Mercury, Yamaha, 4HP, 5HP.



Kb. 20	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
	A	B	C	
020	20	7	6	cca ____ kg



Kb. 20

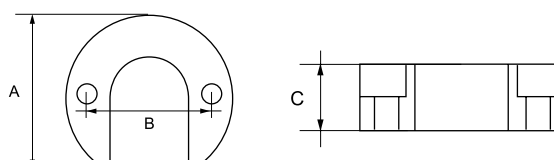
ARTIKAL 21 - Mercury

Motor Mercury Trim - Mercruiser "Alpha One".

Engine Mercury Trim - Mercruiser "Alpha One".



Kb. 21	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
	A	B	C	
021-A	20	7	6	cca ____ kg
021-B	30	30	7/16"	cca ____ kg



Kb. 21

ARTIKAL 22 - Mercury

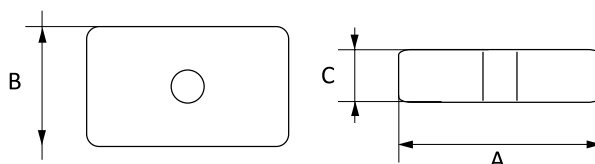
Vanbrodski motori Mercury 4KS, 5KS, 6KS.

Outboard engines Mercury 4HP, 5HP, 6HP.

Kb. 22



Kb. 22	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
	A	B	C	
022	27	19	8	cca ____ kg



ARTIKAL 23 - Yanmar

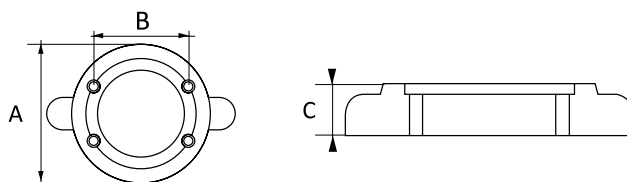
Motor Yanmar S drive.

Engine Yanmar S drive.

Kb. 23



Kb. 23	Približne dimenzije Approx. dimensions			Približna težina Approx. weight +/-3%
	A	B	C	
023	107	73	25	cca 0,83 kg



ARTIKAL 24 - Honda

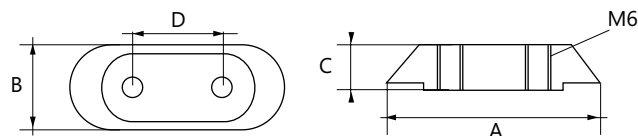
Motor Yanmar S drive.

Engine Yanmar S drive.

Kb. 24



Kb. 24	Približne dimenzije Approx. dimensions		Približna težina Approx. weight +/-3%
	A x B x C : D		
024 - A	8-20 KS	24 x 7 x 6,5	cca ____ kg
024 - B	8-20 KS	60 x 23 x 12 :25	cca ____ kg



* Sve anode se izrađuju s certiĀkatom HRB-a.

* Prema zahtjevu kupca izrađujemo i anode iz Al legure ili Mg legure za zaštitu aluminijskih trupova.

* U mogućnosti smo izraditi anode posebnih dimenzija i tipova van ovog kataloga prema zahtjevu kupca.

CERTIFIKATI

HRVATSKI REGISTAR BRODOVA

Croatian Register of Shipping



Potvrda br. 01-017824/0114383
Certificate No.

POTVRDA O ODOBRENJU PROIZVOĐAČA CERTIFICATE OF APPROVAL OF THE MANUFACTURER

Potvrđuje se da ovaj proizvođač udovoljava Pravilima za klasifikaciju brodova, Dio 1. – Opći propisi, Odjeljak 4. – Odobrenje proizvođača i uslužnih tvrtki.

This is to certify that this manufacturer complies with the Rules for the classification of ships, Part 1 – General requirements, Chapter 4 – Approval of manufacturers and service suppliers.

PROIZVOĐAČ:
MANUFACTURER:

DANG
ANODE

DANG d.o.o.
Velebitska 11
21000 Split
HRVATSKA - CROATIA

PODRUČJE ODOBRENJA:
THE SCOPE OF APPROVAL:

Proizvodnja cink i aluminijskih anoda za zaštitu od korozije za primjenu u brodogradnji.

The manufacture of Zn and Al anodes for anticorrosive protection for application in shipbuilding.

DETALJI I UVJETI CERTIFIKACIJE DANI SU NA POLEDINI.
FURTHER DETAILS OF THE CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO: 2030-04-21
APPROVAL IS VALID UNTIL:

Mjesto i datum: Split, 2026-04-29
Place and date:




Marinko Popović, dipl.ing.

CERTIFIKATI

HRVATSKI REGISTAR BRODOVA

Croatian Register of Shipping



Potvrda br. 01-016781/0113417
Certificate No.

POTVRDA O TIPNOM ODOBRENJU TYPE APPROVAL CERTIFICATE

Potvrđuje se da ovaj proizvod udovoljava Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda.
This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TIP I OPIS PROIZVODA:
TYPE AND DESCRIPTION OF PRODUCT:

Nelegirane Zn anode tip: 01; 02; 03; 03t; 04 i yacht program.

Non-alloyed zinc anodes typ: 01; 02; 03; 03t; 04 and yacht program

PROIZVOĐAČ:
MANUFACTURER:

DANG
ANODE

DANG d.o.o.
Velebitska 11
21000 Split
HRVATSKA - CROATIA

PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Pravila za klasifikaciju brodova, Dio 24. – Nemetalni materijali, Odsjek 4. – Zaštita od korozije.

Rules for the Classification of Ships, Part 24. – Nonmetallic Materials, Chapter 4. – Corrosion Protection

DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEDINI.
FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO: 2028-10-29
APPROVAL IS VALID UNTIL:

Mjesto i datum: Split, 2024-10-29
Place and date:



Marinko Popović, dipl.ing.

NAPOMENA: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

CERTIFIKATI

A

HRVATSKI REGISTAR BRODOVA

Croatian Register of Shipping



Potvrda br. 01-017001/0113730
Certificate No.

POTVRDA O TIPNOM ODOBRENJU TYPE APPROVAL CERTIFICATE

Potvrđuje se da ovaj proizvod udovoljava Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda.
This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TIP I OPIS PROIZVODA:
TYPE AND DESCRIPTION OF PRODUCT:

Aluminijske anode tip: 02; 03; 04 i yacht program.

Aluminum anodes type: 02; 03; 04 and yacht program

PROIZVOĐAČ:
MANUFACTURER:

DANG
ANODE

DANG d.o.o.
Velebitska 11
21000 Split
HRVATSKA - CROATIA

PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Pravila za klasifikaciju brodova, Dio 24. – Nemetalni materijali, Odsjek 4. – Zaštita od korozije.

Rules for the Classification of Ships, Part 24. – Nonmetallic Materials, Chapter 4. – Corrosion Protection.

DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEĐINI.
FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO: 2028-12-09
APPROVAL IS VALID UNTIL:

Mjesto i datum: Split, 2025-04-16
Place and date:



Marinko Popović, dipl.ing.

NAPOMENA: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.
NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.



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