

Ship **Equipments**

Copyright © 2025 GUNES GEMI EUROPE BV All Rights Reserved.



SMAK MACHINE,

Since its establishment, it has collaborated with both national and international companies on numerous projects. The company adopts the principle of providing high-quality products along with high-quality services to its customers. With this awareness, it has become one of the leading companies in the industry at a young age and has created a strong habit among its clients.

Mision

Being close to the consumer and offering them the best value.

Vision

To be a profitable company that reduces dependency on imports in our country by producing high valueadded goods.





Certificates

ISO 9001 ISO 14001 ISO 45001







Certificates







DNV - GL ISO 3834 AD 2000 HP0



1. Marine Doors 10-15 1.1 WT Door 1.2 WH Door 1.3 SP Door 1.4 WH Double Door 2. Marine Hatches 18-23 2.1 WH Hatch 2.2 Emergeny Exit Hatch 2.3 WT Flush Hatch 2.4 WT Flush Bolted Hatch 2.5 Rope Hatch 3. Marine Ventilation 26-33 3.1 Ventilation Grill 3.2 WH Ventilation Grill with Cover 3.3 Ventilation Grill with Movable Blade 3.4 Mist Eliminator 3.5 Goosneck 3.6 Mushroom 4. Marine Tanker 36-41 4.1 Slop Tank 4.2 Cargo Hatch 4.3 Tank Washing Hatch 4.4 Cargo Pump Trunk 4.5 Spactacle Flange 4.6 Cargo Ladder 5. Marine Mooring 44-61 5.1 Bollard 5.2 Chock 5.3 Guide Roller 5.4 Fairlead 5.5 Smit Bracket **6.Marine Manholes** 64-69 6.1 Manhole Flat 6.2 Manhole With Coaming 6.3 Manhole Flush 7. Various Equipment 72-73 7.1 Mud Box 7.2 Staple Elbow 7.3 Bottom Plugs 7.4 Scupper



Marine Doors

- 1.1 WT Door
- 1.2 WH Door
- 1.3 SP Door
- 1.4 WH Double Door

Standard WT Series

They are used to prevent water from flowing from one compartment to another during flooding or accidents on ships.

Technical Features

Material : Steel

Stainless Steel

Aluminium

: 2.5 - 4.5 Pressure

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanism
- ISPS lock option
- Angled frame
- Custom size upon request
- Insulation option
- Final coat paint according to desired RAL code









HP-WT Series

They are used to prevent water from flowing from one compartment to another during flooding or accidents on ships.

Technical Features

Material Steel

Stainless Steel

Aluminium

Pressure : 4.5-6.5

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanism
- ISPS lock option
- Angled frame
- Custom size upon request
- Insulation option
- Final coat paint according to desired RAL code

VHP - WT Series

They are used to prevent water from flowing from one compartment to another during flooding or accidents on ships.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Pressure : 6.5-10

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanism
- ISPS lock option
- Angled frame
- Custom size upon request
- Insulation option
- Final coat paint according to desired RAL code









Standard WH Series

They are doors designed to prevent the entry of air from the outside to the inside.

Technical Features

Material : Steel

Stainless Steel Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanism
- ISPS lock option
- Porthole option
- Angled frame
- Custom size upon request
- Insulation option
- Final coat paint according to desired RAL code

Standard SP Series

They are doors used in the internal compartments of ships, emergency exits, cargo holds, and engine rooms.

Technical Features

Material : Steel

> Stainless Steel Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanism
- ISPS lock option
- Porthole option
- Angled frame
- Custom size upon request
- Insulation option
- Final coat paint according to desired RAL code







Standard WH **Double Door Series**

Air-tight double steel doors, which are single-leaf for regular use and can be opened as double-leaf in special situations; they are doors without a central post.

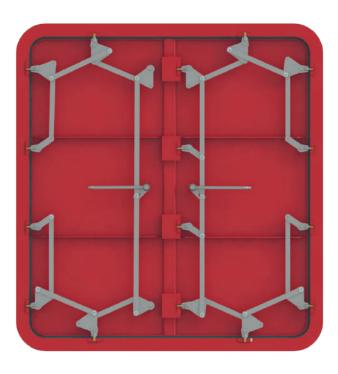
Technical Features

Material : Steel

> Stainless Steel Aluminium

Surface

Treatment: Blasted and Epoxy Primed



- Stainless steel locking mechanism
- ISPS lock option
- Porthole option
- Angled frame
- Custom size upon request
- Insulation option
- Final coat paint according to desired RAL code

Marine Hatches

- 2.1 WH Hatch
- 2.2 Emergency Exit Hatch
- 2.3 WT Flush Hatch
- 2.4 WT Flush Bolted Hatch
- 2.5 Rope Hatch

NS - 2742

They are bi-directional doors designed for access to the lower deck.

Technical Features

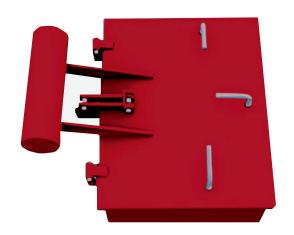
Material : Steel

Stainless Steel Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanism
- Padlock ring
- Counterweight, spring, or piston option
- Final coat paint according to the desired RAL code



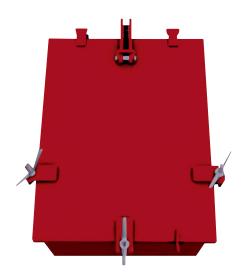






NS - 2742 Type B Narrow Side Hinge

Nominal Size (Opening)	Inner Dimensions Of The Frame	Туре	Height / Weight Rear Weightless				
800 x 600	830 x 630	A / B	150	450	600	750	
800 X 600	650 X 650	А/В	94	169	208	245	
1000 x 800	1020 020	1000 v 900	A / B	150	450	600	750
1000 x 800	1030 x 830	А/Б	134	200	238	276	
Counterbalance Weight 70 Kg							





NS - 2743 Type A Wide Side Hinge



NS - 2743 Type B Narrow Side Hinge

NS - 2743

They are bi-directional doors designed for access to the lower deck.

Technical Features

Material : Steel

> Stainless Steel Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanism
- Padlock ring
- Counterweight, spring, or piston option
- Final coat paint according to the desired RAL code

Nominal Size (Opening)	Inner Dimensions Of The Frame	Туре	Height / Weight Rear Weightless				
900 v 600	800 x 600 830 x 630 A / B	Λ / D	150	450	600	750	
800 X 000		А/В	94	169	208	245	
1000 x 800	4020 020	1000 v 200 1020 v 220 A	A / B	150	450	600	750
1000 x 800	000 x 800 1030 x 830		134	200	238	276	
Counterbalance Weight 70 Kg							

2.2 Emergency Exit Hatch

NS - 6028

They are bi-directional doors used in emergency exit areas, which can be opened and closed with a single hand.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanism
- Padlock ring
- Counterweight, spring, or piston option
- Final coat paint according to the desired RAL code









Tip B Narrow Side Hinge

Nominal Size (Opening)	Inner Dimensions Of The Frame	Туре	Height / Weight Rear Weightless			
800 v 600	00 x 600 830 x 630	A / B	150	450	600	750
800 X 600			103	247	287	324
900 v 900	020 020		150	450	600	750
800 x 800 830 x 830	-	120	287	320	340	





They are water-tight doors used on deck for flat surfaces.

Technical Features

Material : Steel

Stainless Steel

Aluminium

: 2.5 - 4.5 Pressure

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanism
- Angled form option
- Piston option
- Final coat paint according to the desired RAL code

They are flat, water-tight doors designed for large areas that are rarely opened and closed.

Technical Features

Material : Steel

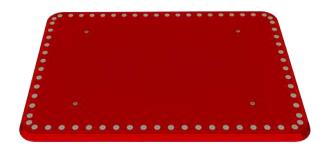
Stainless Steel

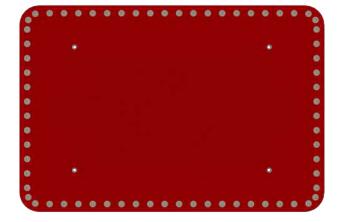
Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel bolts, nuts, and washers
- Different gasket options
- Extra access door option
- Drain hole option
- Lifting lug option







They are hatches used for the upward passage of ropes stored on the lower deck.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Treatment: Blasted and Epoxy Primed

Model	Size	Weight
SMAK Standard	900 x 324	82



Marine Wentilation

- 3.1 Ventilation Grill
- 3.2 WH Ventilation Grill With Cover
- 3.3 Ventilation Grill With Movable Blade
- 3.4 Mist Eliminator
- 3.5 Goosneck
- 3.6 Mushroom

They are flat-type vents used in ventilation openings

Technical Features

Material: Steel

Stainless Steel

Aluminium

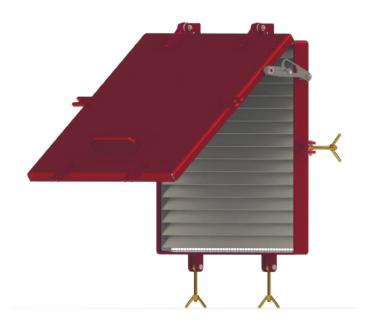
Surface

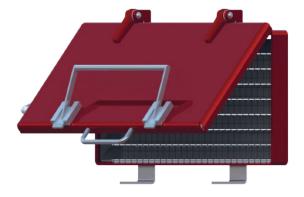
Treatment:

- Hot-dip galvanized, stainless steel, or aluminum vent option
- Mesh filter option
- Extra frame option









They are vents with air-tight covers used in ventilation openings.

Technical Features

Material : Steel

> Stainless Steel Aluminium

Surface

Treatment: Blasted and Epoxy Primed

Drip Guard Vent Option

- Hot-dip galvanized, stainless steel, or aluminum vent option
- Mesh filter option
- Drip guard vent option
- Remotely operable handle option

They are ventilation dampers used in ventilation openings, which can be remotely operated or automatically opened and closed in emergency situations.

Technical Features

Material : Steel

Stainless Steel

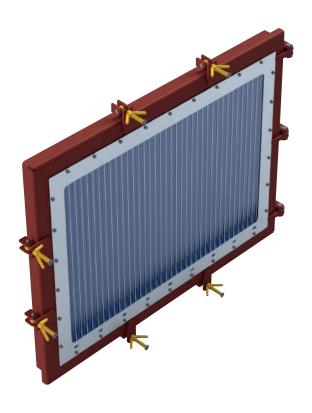
Aluminium

Surface

Treatment: Blasted and Epoxy Primed

Drip Guard Vent Option

- Stainless steel and aluminum blade option
- Electric motor and pneumatic piston option
- Drip guard vent option
- Integrated filters
- Mesh filter option



They are vents with specially designed blades that can trap wave and rainwater.

Technical Features

Material : Aluminium

Surface

Treatment: Anodized Coating

Options

• Different frame options

They are deck-type ventilation equipment designed to provide air intake and exhaust in internal compartments.

Technical Features

Material Steel

> Stainless Steel Aluminium

Surface

Hot-Dip Galvanized Treatment:



- Hinged cover option
- Deck flange option
- Mesh filter option
- Different height options

Dimensions	Weight			
Difficusions	H 760	H 900		
DN 100	28	31		
DN 150	50	55		
DN 200	73	80		
DN 250	91	99		
DN 300	145	158		







Elbow Type

They are curtain-type ventilation equipment designed to provide air intake and exhaust in internal compartments.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Treatment: Hot-Dip Galvanized

- Hinged cover option
- Deck flange option
- Mesh filter option
- Different height options

Dimensions	Weight
DN 80	6
DN 100	9
DN 125	13
DN 150	17
DN 200	27
DN 250	37
DN 300	77
DN 350	93

Mushroom Ventilation

They are equipment that prevent rainwater ingress in ventilation systems.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Treatment: Hot- Dip Galvanized

Options

• Mesh filter options

Dimensions	Weight	
DN 80	4	
DN 100	6	
DN 125	8	
DN 150	12	
Standard h = 200 mm. Piping sch 40		









JIS F 2407

They are equipment that prevent rainwater ingress in ventilation systems.

Technical Features

Material Steel

> Stainless Steel Aluminium

Surface

Blasted and Epoxy Primed Treatment:

- Automatic control mechanisms
- Flanged connection option
- Passage flange option

Dimensions	Weight
DN 200	55
DN 250	81
DN 300	110
DN 350	140
DN 400	170



Marine Tanker

- 4.1 Slop Tank
- 4.2 Cargo Hatch
- 4.3 Tank Washing Hatch
- 4.4 Cargo Pump Trunk
- 4.5 Spactacle Flange
- 4.6 Cargo Ladder

4.1 Slop Tank

SS Type

They are tanks on the ship where the waste resulting from the cleaning of cargo tanks on tankers is collected.

Technical Features

Material : Steel

Stainless Steel Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Double-walled design
- Different size options
- Cargo hatch, cargo ladder, washing hatch mounting options





SS Type

They are pressure-resistant doors used for entry into cargo tanks on tankers.

Technical Features

Material Steel

Stainless Steel

Aluminium

Surface

Blasted and Epoxy Primed Treatment:

- Stainless steel locking mechanisms
- Different size options
- Different gasket options

4.3 Tank Washing Hatch

SS Type

They are doors designed for portable washing machines used in the cleaning of cargo tanks on tankers.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Stainless steel locking mechanisms
- Different size options
- Different gasket options





SS Type

They are precision-engineered foundations, processed with machining methods, where cargo pumps are connected to the deck on tankers

Technical Features

Material Steel

Stainless Steel

Aluminium

Surface

Treatment: Blasted and Epoxy Primed

Options

Different gasket options.

4.5 Spactacle Flange

SS Type

They are special-type flanges used to control the flow in cargo pipe circuits on tankers.

Technical Features

Material : Stainless Steel

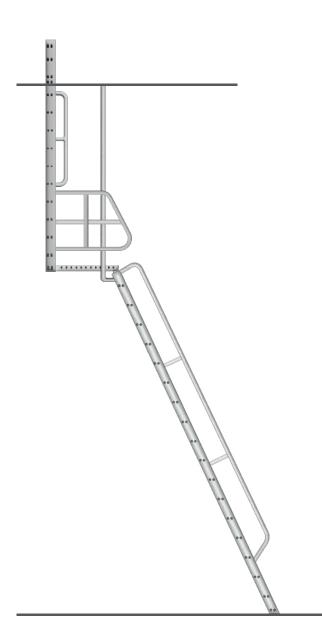
Surface

Treatment: Pickling ve pasivasyon

Options

• Different gasket options.





They are stainless steel ladders used for descending into cargo tanks on tankers.

Technical Features

Stainless Steel Material

Surface

Treatment: Pickling ve pasivasyon

- Movable platform option
- Triple step option
- Different size options

Marine Mooring

- 5.1 Bollard
- 5.2 Chock
- 5.3 Guide Roller
- 5.4 Fairlead
- 5.5 Smit Bracket

5.1 Bollard

NS - 2584

Deck bollards are equipment designed for securely fastening ropes during operations such as docking maneuvers.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Treatment: Blasted and Epoxy Primed



Pulley type

Non-standard height or diameter

2	25

Nominal	VA/a:abt	Maxsimum Working Tonnage							
Size	Weight	Connecting (kN)	Pull (kN)						
125	25,9	45	130						
160	37,2	55	155						
200	75,2	100	2285						
250	124	130	365						
315	230	205	540						
400	356	280	740						
500	723	510	1300						
630	1085	615	1550						
710	1530	815	2150						



ISO 13795 - Type A

Deck bollards are equipment designed to securely fasten ropes during operations such as docking maneuvers.

Technical Features

Material Steel

Stainless Steel

Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Pulley type
- Non-standard height or diameter

		N	/laxsim	num W	/orkin	g Tonnag	е	
Nominal	Weight		Conne			Pull	ı	D1 x D2 x H1 x H2 x L
Size	TTC.B.I.C	Single	Rope		e Rope			DI X DE X III X IIE X E
		kN	t	kN	t	kN	t	
150	29	54	5,5	49	5,0	383	10	165,2 x 185 x 330 x 90 x 400
200	46	82	8,4	65	6,7	579	13	216,3 x 240 x 395 x 115 x 500
250A	107	156	16,0	134	14,0	1315	27	267,4 x 290 x 505 x 135 x 630
250B	91	127	13,0	108	11,0	215	22	267,4 x 290 x 505 x 135 x 630
300A	281	332	34,0	306	31,0	3365	62	318,5 x 340 x 600 x 150 x 800
300B	166	186	19,0	161	16,0	352	36	318,5 x 340 x 600 x 150 x 800
350A	431	443	45,0	418	43,0	5062	85	355,6 x 380 x 685 x 175 x 890
350B	241	244	25,0	216	22,0	2855	50	355,6 x 380 x 685 x 175 x 890
400A	570	594	61,0	521	53,0	6632	106	406,4 x 430 x 730 x 185 x 1000
400B	322	326	33,0	269	27,0	3816	67	406,4 x 430 x 730 x 185 x 1000
450A	712	753	77,0	612	62,0	8201	124	457,2 x 480 x 770 x 195 x 1100
450B	379	382	39,0	292	30,0	4483	78	457,2 x 480 x 770 x 195 x 1100
500A	960	992	101,0	757	77,0	10928	154	508 x 530 x 830 x 230 x 1250
500B	465	457	47,0	326	33,0	5474	93	508 x 530 x 830 x 230 x 1250
550A	1123	1131	115,0	812	83,0	12635	165	558,8 x 580 x 900 x 270 x 1380
550B	787	781	80,0	541	55,0	9280	159	558,8 x 580 x 900 x 270 x 1380
600	1391	1401	143,0	948	97,0	15539	193	609,4 x 630 x 950 x 300 x 1550

ISO 13795 - Type B

Deck bollards are equipment designed to securely fasten ropes during operations such as docking maneuvers.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Treatment: Blasted ans Epoxy Primed

- Pulley type
- Non-standard height or diameter



_		M	axsim	um W	orkin	g Tonna	ge	
Nominal	Weight		Conne			Pul	ı	D1 x D2 x H1 x H2 x L
Size	Weight	Single	Rope	Double	Rope	1 01	•	DI A DE A III A IIE A E
		kN	t	kN	t	kN	t	
150	45	54	5,5	49	5	540	10	165,2 x 185 x 320 x 80 x 400
200	68	82	9,4	65	6,7	795	13	216,3 x 240 x 365 x 85 x 500
250A	150	156	16,0	134	14	1736	27	267,4 x 290 x 470 x 100 x 630
250B	119	127	13,0	108	11	216	22	267,4 x 290 x 470 x 100 x 630
300A	383	332	34,0	306	31	4365	62	318,5 x 340 x 575 x 125 x 800
300B	203	186	19,0	161	16	353	36	318,5 x 340 x 575 x 125 x 800
350A	582	443	45,0	418	43	6543	85	355,6 x 380 x 655 x 145 x 890
350B	333	244	25,0	216	22	3757	50	355,6 x 380 x 655 x 145 x 890
400A	793	594	61,0	521	53	8819	106	406,4 x 430 x 705 x 160 x 1000
400B	441	326	33,0	269	27	4983	67	406,4 x 430 x 705 x 160 x 1000
450A	979	753	77,0	612	62	10820	124	457,2 x 480 x 745 x 170 x 1100
450B	517	382	39,0	292	30	5837	78	457,2 x 480 x 745 x 170 x 1100
500A	1321	992	101,0	757	77	14470	154	508 x 530 x 790 x 190 x 1250
500 mlyr	631	457	47,0	326	33	7102	93	508 x 530 x 790 x 190 x 1250
550A	1530	1131	115,0	812	83	16628	165	558,8 x 580 x 840 x 210 x 1380
550B	1059	781	80,0	541	55	9280	159	558,8 x 580 x 840 x 210 x 1380
600	1850	1401	143,0	948	97	15539	193	609,4 x 630 x 875 x 225 x 1380



ISO 13797

Deck bollards are equipment designed to securely fasten ropes during operations such as docking maneuvers.

Technical Features

Material: Steel

Stainless Steel Aluminium

Surface

Treatment: Blasted ans Epoxy Primed

- Pulley type
- Non-standard height or diameter

Nominal Size	Туре	ı	D1	D2	T1	T2	Н	н	Source Leg Length	SW	/L	Weight
150	A Type	350	165,2	114,3	11,0	8,6	450	225	6	78	8	37
150	В Туре	350	170,0	120,0	8,0	8,0	450	225	5	78	8	31
200	А Туре	450	216,3	165,2	12,7	11,0	500	250	7	147	15	58
200	В Туре	450	220,0	170,0	10,0	8,0	500	250	7	147	15	48
250	A Type	575	267,4	216,3	15,1	12,7	600	300	8	245	25	92
250	В Туре	575	270,0	220,0	13,0	10,0	600	300	8	245	25	81
200	А Туре	625	318,5	267,4	17,4	151	600	300	10	392	40	132
300	В Туре	625	320,0	270,0	15,0	12,0	600	300	9	392	40	115
250	А Туре	670	355,6	267,4	19,0	15,1	600	350	10	491	50	150
350	В Туре	670	360,0	270,0	16,0	12,0	600	350	9	491	50	130
400	A Type	720	406,0	267,4	21,4	15,1	600	350	10	736	75	178
400	В Туре	720	410,0	270,0	19,0	14,0	600	350	9	736	75	165

DIN 82607

Deck bollards are equipment designed to securely fasten ropes during operations such as docking maneuvers.

Technical Features

Material : Steel

Stainless Steel Aluminium

Surface

Treatment: Blasted ans Epoxy Primed

- Pulley type
- Non-standard height or diameter



Dimensions	Pulling Force	Tube D1	В	D2	E	H1	H2	S2	Α	Weight
D1	10	139,9 x 6,3	130	160	430	370	105	5	4	20,6
D2	20	219,1 x 8	180	242	570	475	115	6	4	52,3
D3	32	273,0 x 10	250	300	700	570	135	8	5	99,5
D5	50	323,9 x 10	300	355	880	670	150	8	6	145,4
D8	80	355,6 x 14,2	330	390	1050	780	175	10	8	259,4
D12	120	457,0 x 16	420	490	1200	860	195	16	12	437,0
D20	200	508,0 x 17,5	470	545	1350	970	230	16	-	571,0
D32	320	559,0 x 20	530	600	1400	1000	270	16	-	830,0

Bulwark Type NS - 2587



Nominal Size LxHxP Weight 200 x 150 330 x 280 x 130 14,9 300 x 200 458 x 358 x 158 47 400 x 250 600 x 450 x 200 99

They are spaces through which mooring ropes are passed on ships.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Treatment: Blasted and Epoxy Primed



Nominal Size LxHxP Weight 200 x 150 330 x 280 x 130 28,5 300 x 200 458 x 358 x 158 63,3 400 x 250 600 x 450 x 200 135

Deck Type NS - 2588

They are spaces through which mooring ropes are passed on ships.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Bulwark Type NS - 2589

They are spaces through which mooring ropes are passed on ships.



Material : Steel

Stainless Steel

Aluminium

Surface

Treatment: Blasted and Epoxy Primed



Nominal Size	LxHxP	Weight		
300 x 250	660 x 610 x 348	105		
400 x 250	760 x 610 x 348	145		

Deck Type NS - 2590

They are spaces through which mooring ropes are passed on ships.

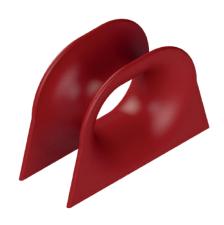
Technical Features

Material: Steel

Stainless Steel

Aluminium

Surface



Nominal Size	LxHxP	Weight
300 x 250	660 x 610 x 360	110
400 x 250	900 x 610 x 360	175



Staple

It is a special-type passage equipment used as a passage window in staple structures used in front of the towing winches .

Technical Features

Material : Cast Steel

Surface

ISO 13713 Type - A

They are spaces through which mooring ropes are passed on ships.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface



Nominal Size	SV	VL	Weight	l1	12	В	H1	H2
140111111a1 312C	kN	t	Weight	'-	12			112
250 x 200	353	36	48	450	398	154	408	327
300 x 250	491	50	83	516	460	168	466	387
350 x 250	589	60	100	582	520	177	482	395
400 x 250	736	75	145	652	588	193	502	412
450 x 250A	981	100	215	734	662	213	534	433
500 x 250A	1128	115	235	812	730	237	562	447
500B x 250B	1373	140	266	828	750	253	578	466



ISO 13713 Type - B

They are spaces through which mooring ropes are passed on ships.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Nominal Size	SV	VL	Weight	11	12	В	H1	H2
140111111a1 312c	kN	t	Weight					
250 x 200	353	36	48	450	398	154	408	327
300 x 250	491	50	83	516	460	168	466	387
350 x 250	589	60	100	582	520	177	482	395
400 x 250	736	75	145	652	588	193	502	412
450 x 250A	981	100	215	734	662	213	534	433
500 x 250A	1128	115	235	812	730	237	562	447
500B x 250B	1373	140	266	828	750	253	578	466

ISO 13729 Type - A

They are spaces through which mooring ropes are passed on ships.

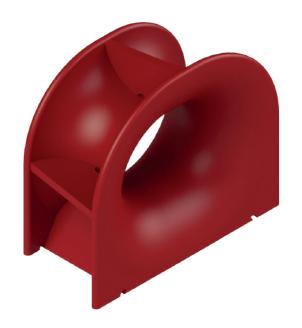
Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface



Nominal Size	Wire Rope	SV	VL	Weight	l1	12	14	H1	Н2	Н3
Tronnia Size	Diameter	kN	t	Weight	'-	'-	1-7		112	1.0
250 x 200 x 214	18	226	23	73	488	453	265	427	368	108
300 x 250 x 286	24	422	43	142	614	565	330	551	481	144
350 x 250 x 333	28	549	56	222	716	660	403	601	525	168
400 x 250 x 381	32	687	70	310	820	754	475	652	553	192
450 x 250 x 381	32	706	72	322	870	804	524	652	553	192
500 x 250 x 381	32	765	78	337	920	854	574	652	553	192
400 x 250 x 428	36	883	90	434	870	796	500	701	609	216
450 x 250 x 428	36	912	93	452	920	846	550	701	609	216
500 x 250 x 428	36	932	95	472	970	896	600	701	609	216
500 x 400 x 428	36	893	91	528	970	896	600	851	759	216
500 x 250 x 525A	44	1148	117	657	1068	1000	652	798	675	264
500 x 400 x 525A	44	1158	118	724	1068	1000	652	948	825	264
500 x 250 x 525B	44	1413	144	753	1074	1000	652	801	680	264
500 x 400 x 525B	44	1383	141	825	1074	1000	652	951	830	264



ISO 13729 Type - B

They are spaces through which mooring ropes are passed on ships.

Technical Features

Material Steel

Stainless Steel

Aluminium

Surface

Nominal Size	Wire Rope	SV	VL	Weight	11	12	H1	H2
Nominal Size	Diemeter	kN	t	Weight	"1	12		112
250 x 200 x 214	18	226	23	49	516	441	466	306
300 x 250 x 286	24	422	43	100	638	554	588	410
350 x 250 x 333	28	549	56	141	736	646	636	449
400 x 250 x 381	32	687	70	184	834	736	684	450
450 x 250 x 381	32	706	72	194	884	786	684	450
500 x 250 x 381	32	765	78	202	934	836	684	450
400 x 250 x 428	36	883	90	264	882	778	732	515
450 x 250 x 428	36	912	93	276	932	828	732	515
500 x 250 x 428	36	932	95	288	982	878	732	515
500 x 400 x 428	36	893	91	311	982	878	882	665
500 x 250 x 525A	44	1148	117	379	1078	976	828	551
500 x 400 x 525A	44	1158	118	408	1078	978	978	701
500 x 250 x 525B	44	1413	144	405	1078	976	828	554
500 x 400 x 525B	44	1383	141	442	1078	978	978	704

DIN 81915 Type - A

They are spaces through which mooring ropes are passed on ships.

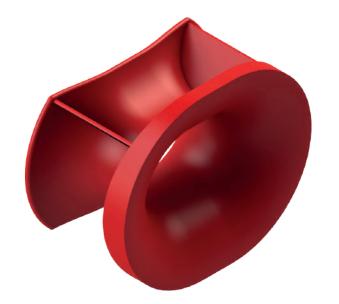
Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface



Example	SWL	Weight	L	В	Н	H1	А	В
A02	20	26	360	200	315	70	160	115
A03	30	42	450	250	390	75	200	140
A05	50	74	550	300	480	80	250	180
A08	80	120	680	360	585	90	320	225
A12	125	185	840	440	710	110	400	270
A20	200	285	1020	520	840	130	500	320
A32	320	795	1300	700	1100	150	600	400



DIN 81915 Type - B

They are spaces through which mooring ropes are passed on ships.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Example	SWL	Weight	L	В	Н	H1	Α	В
A02	20	26	360	200	315	70	160	115
A03	30	42	450	250	390	75	200	140
A05	50	74	550	300	480	80	250	180
A08	80	120	680	360	585	90	320	225
A12	125	185	840	440	710	110	400	270
A20	200	285	1020	520	840	130	500	320
A32	320	795	1300	700	1100	150	600	400

JIS F2005 Deck Type

They are spaces through which mooring ropes are passed on ships.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface



Nominal Size	Wire Rope Diemeter	Weight	L	L1	В	н	H1
100	14	4	100	170	60	76	141
150	16	11	150	250	90	110	205
200	18	24	200	340	120	150	280
250	20	48	250	434	160	200	372
300	22	82	300	528	200	250	464
350	24	103	350	600	220	250	485
400	26	136	400	672	240	250	506
450	30	184	450	746	260	250	528
500	36	232	500	820	280	250	550





NS - 2585

They are pulleys used for transferring the direction of ropes on ships.

Technical Features

Material : Steel

Stainless Steel

Aluminium

Surface

Nominal Size	Working Weight / t	Measure D2 / mm	Н	Measure D1 / mm	Weight
150	16	150	154	240	25
200	20	200	186	310	50
250	29	250	230	380	90
300	34	300	255	440	130
350	45	350	271	500	170
400	58	400	307	560	250
450	64	450	316	630	310

SS - Type

They are equipment designed to prevent ropes from wear due to friction and to protect the ship from damage.

Technical Features

Material : Steel

Stainless Steel

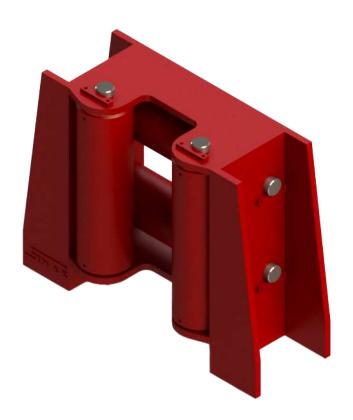
Aluminium

Surface

Treatment: Blasted and Epoxy Primed

Opsiyonlar

- Bronze bearing option
- Different direction and angle options
- Additional pedestal option



Туре	Nom. Pull	L	Т	Н	Α	В	С	D	T2	H2	Н3	Weight
FA-01	10	460	130	348	120	80	260	60	120	70	160	30
FA-02	20	640	174	464	180	100	364	82	160	80	212	68
FA-03	30	800	219	579	220	120	454	102	180	100	267	140
FA-05	50	900	264	676	250	140	524	127	240	120	312	251
FA-08	80	1000	290	757	280	150	580	140	260	140	355	382
FA-12	120	1200	368	876	300	160	680	178	320	150	410	657
FA-16	160	1300	400	948	320	169	732	194	350	170	452	827
FA-20	200	1350	500	1082	340	180	856	244	450	180	518	1193
FA-32	320	1700	608	1355	400	250	1026	298	550	220	608	2200





They are equipment used to secure chains on the deck of ships.

Technical Features

Material : Steel

Surface

Treatment: Blasted and Epoxy Primed



- Adjustable angle structure
- Integrated sensors or monitoring system
- Modular design
- Rotational and movement capability

Nominal					Sizes	5			Weight	SWL	MBL
Size	Α	В	С	D	Е	F	Н	S	vveigiit	kN	kN
54	720	650	115	75	100	205	30	118	195	1000	2000
76	900	800	160	110	150	240	30	170	390	2000	4000
84	1018	905	170	120	160	273	35	210	560	2500	5000
95	1120	940	195	135	170	290	40	276	760	3000	6570

Marine Manholes

- 6.1 Manhole Flat
- 6.2 Manhole With Coaming
- 6.3 Manhole Flush

6.1 Manhole Flat

NS - 6261

They are standard flat-type covers used for tank entries.

Technical Features

Material : Steel

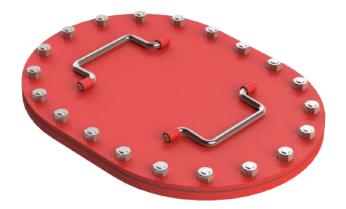
Aluminium

Surface

Treatment: Epoxy Paint

- Bolt, stud, washer, and nut option
- Different gasket option
- Tank brand option
- Final coat paint according to the desired RAL code

Nominal Size	U x Y x Radius	Weight
450 x 350	600 x 500 x 200	/
600 x 400	750 x 550 x 275	58
700 x 500	850 x 650 x 325	75





DIN - 83402 Type A

They are standard flat-type covers used for tank entries.

Technical Features

Material Steel

Aluminium

Surface

Treatment: **Epoxy Paint**

- Bolt, stud, washer, and nut option
- Different gasket option
- Tank brand option
- Final coat paint according to the desired RAL code

Nominal Size	L x H x Radius	Weight
600 x 400	720 x 520 x 260	A > 38 / B > 48

6.2 Manhole With Coaming

NS - 6262

They are flange-type covers used for tank entries.

Technical Features

Material : Steel

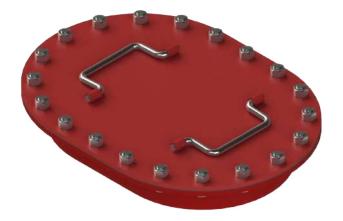
Aluminium

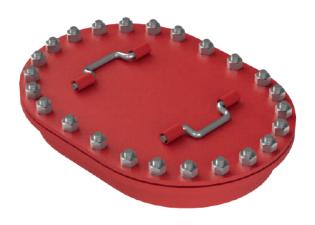
Surface

Treatment: Epoxy Paint

- Bolt, stud, washer, and nut option
- Different gasket option
- Tank brand option
- Final coat paint according to the desired RAL code

Nominal Size	U x Y x Radius	Weight
450 x 350	600 x 500 x 200	/
600 x 400	750 x 550 x 275	58
700 x 500	850 x 650 x 325	75





DIN - 83402 Type B

They are flange-type covers used for tank entries.

Technical Features

Steel Material

Aluminium

Surface

Treatment: Epoxy Paint

- Bolt, stud, washer, and nut option
- Different gasket option
- Tank brand option
- Final coat paint according to the desired RAL code

Nominal Size	L x H x Radius	Weight
600 x 400	820 x 620 x 310	65

6.3 Manhole Flush

NS - 6263

They are covers used on flat surfaces on the deck.

Technical Features

Material : Steel

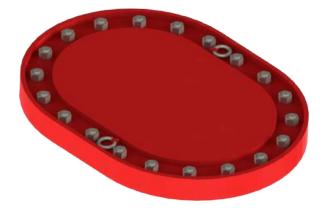
Aluminium

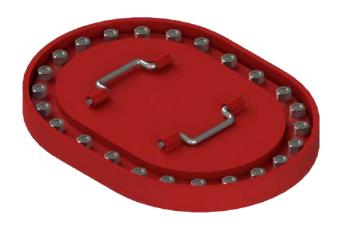
Surface

Treatment: Epoxy Paint

- Bolt, stud, washer, and nut option
- Different gasket option
- Tank brand option
- Final coat paint according to the desired RAL code

Nominal Size	U x Y x Radius	Weight
494 x 394	632 x 532 x 204	62
620 x 420	755 x 558 x 279	80
720 x 520	858 x 658 x 329	100





DIN - 83402 Type C

They are covers used on flat surfaces on the deck.

Technical Features

Material : Steel

Aluminium

Surface

Treatment: Blasted and Epoxy Primed

- Bolt, stud, washer, and nut option
- Different gasket option
- Tank brand option
- Final coat paint according to the desired RAL code

Nominal Size	L x H x Radius	Weight
600 x 400	760 x 560 x 280	80



Various Equipment

- 7.1 Mud Box
- 7.2 Staple Elbow
- 7.3 Bottom Plugs
- 7.4 Scupper

7.1 Mud Box

The equipment used in pump circuits to separate water from dirt, sediment, and foreign particles.

Technical Features

Material: Steel

Stainless Steel Aluminium



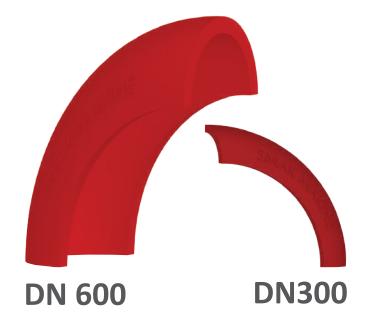
7.2 Staple Elbow

It is a connecting element that changes the direction of flow in pipelines at different angles.

Technical Features

Material: Steel

Stainless Steel Aluminium



Various Equipment



A lavra plug is a type of connector used on ships to close, open, or provide sealing for liquid or gas lines.



Technical Features

Material: Steel

Stainless Steel Aluminium



7.4 Scupper

It is an equipment used on ships to drain liquids accumulated on the floor.

Technical Features

Material: Steel

Stainless Steel Aluminium

Terms and Conditions

By accessing and using this website / app owned and published by Günes Gemi Europe , youagree to the following terms and conditions:

Warranty Disclaimer and Limitation of Liability

Although every care has been taken to assure the accuracy of the information on this website / app, Günes Gemi Europe provides this information "AS IS" and DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. You acknowledge that your use of this website / app is at your sole risk, that you assume full responsibility for all costs associated with use of this website / app, and that Günes Gemi Europe shall not be liable for any direct, incidental, consequential, or indirect damages of any kind arising out of your access to, or use of the information or software made available on this website / app. Any warranties and representations in this website / app for Günes Gemi Europe products or services that you purchase or use will be subject to the agreed upon terms and conditions in the contract for such product or service. Further, for non-Günes Gemi Europe websites / apps that are referenced in our website / app or where a hyperlink appears, Günes Gemi Europe makes no warranties concerning the accuracy or reliability of the information in these websites / apps and assumes no responsibility for material created or published by third parties contained therein. In addition, Günes Gemi Europe does not warrant that this website / app or these other linked websites / apps are free from viruses or other harmful elements.

Copyright

Copyright in this website / app copyright of the information and software made available on this website / app rest with Günes Gemi Europe or its licensors. All rights are reserved. All licensed material will reference the licensor that has granted Günes Gemi Europe the right to use the material. The information and software made available on this website / app may not be reproduced, duplicated, copied, transferred, distributed, stored, modified, downloaded or otherwise exploited for any commercial use without the prior written approval of Günes Gemi Europe . However, it may be reproduced, stored and downloaded for use by individuals without prior written approval of Günes Gemi Europe . Under no circumstances may this information or software be supplied to third parties. This website /app includes certain images used under license from Shutterstock, Inc.

Trademarks and Patents

All trademarks, brand names, and corporate logos displayed on the website / app are the property of Günes Gemi Europe or its licensors, and may not be used in any way without prior written approval by Günes Gemi Europe. All licensed trademarks published on this website / app reference the licensor that has granted Günes Gemi Europe the right to use the trademark. Access to this website / app does not grant to the user any license under any patents owned by or licensed to Günes Gemi Europe.

Changes

Günes Gemi Europe reserves the right to make changes or additions to this website / app at any time.





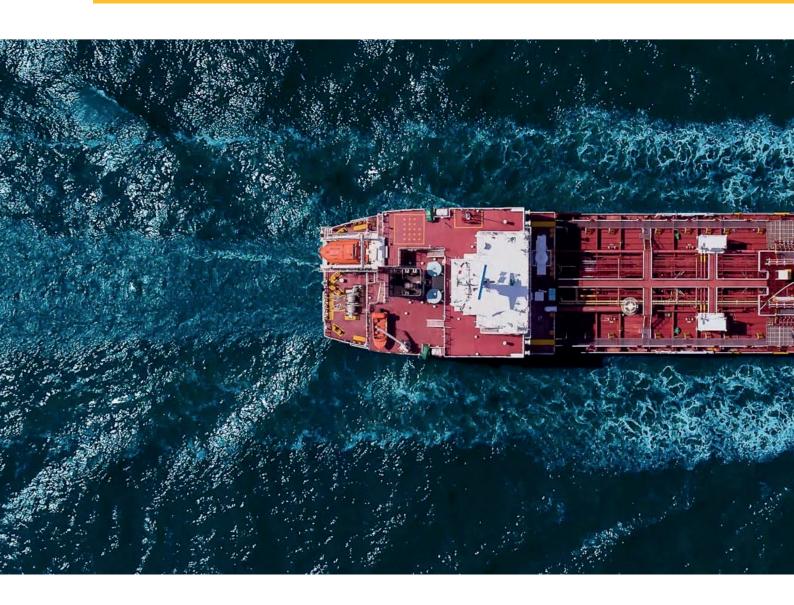




info@gunesgemieurope.nl



www.gunesgemieurope.nl





Albert plesmanweg 29 3088GA Rotterdam / The Netherlands