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UMC® MARINE



Kevel Chocks

WT-Doors

Mult-Dog Hatches

Winches

BAIER

WWW.BAIERMARINE.COM

Hatches ✦ Deck Fittings ✦ Doors





2026.1

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Universal Steel Hatches

Other industry standard steel hatches available. Baier now offers a complete line of universal hatches to fit your need. These hatches are a great value.


T-Bolt ❶


Single Bolt ❷


Twist Lock ❸


Ullage ❹


Mult-Dog ❺

		Clear Opening	Drawing #	Page#
Round - T-Bolt ❶	Series UMC-430 Specs.			
	Model UMC-430-18	18" Ø	01210-101A	10
	Model UMC-430-24	24" Ø	01220-101A	10
Round - Single Bolt ❷	Series UMC-540 Specs.			
	Model UMC-540-1775	20" Ø	08380-101A	12
	Model UMC-540-1975	22" Ø	08381-101A	11
Round - Twist Lock ❸	Series UMC-474 Specs.			
	Model UMC-474 Flush	18.6" Ø	08640-101A	13
	Model UMC-474 5" Coaming	18.6" Ø x 5"	08641-101A	13
Round - 8" Ullage ❹	Series UMC-144 Specs.			
	Model UMC-144 - 7/8" Coaming	8" Ø x 7/8"	01242-102A	11
	Model UMC-144 - 5" Coaming	8" Ø x 5"	01242-104B	18
Round - 10" Ullage	Series UMC-569 Specs.			
	Model UMC-569 - 5" Coaming	20" Ø	01243-101A	18
Round -12" & 19" Multi-Dog ❺	Series UMC-Multi Spec.			
	Model UMC-456-5 - 12" 3 Dog 5" Coaming	12" Ø x 5"	03410-101A	21
	Model UMC-343-5 - 19" 4 Dog 5" Coaming	19" Ø x 5"	01230-101A	21
Oval - 15X23 Multi-Dog	Series UMC-174 Specs.			
	Model UMC-174-5-RC - 4 Dog 5" Coaming	15" x 23" x 5"	01240-102A	20
	Model UMC-274-5 - 2 Dog 5" Coaming	15" x 23" x 5"	01241-105A	19
Oval - 18X24 Multi-Dog	Series UMC-464 Specs.			
	Model UMC-464-5 - 4 Dog 5" Coaming	18" x 24" x 5"	03800-101A	20
	Model UMC-464-5/14 - 4 Dog w/ 8" Ullage	18" x 24" x 5"	03800-135K	20

Steel Multi-Bolt Manhole Covers

Our manholes are a great alternative to flush hatches for applications of non-frequent access. Baier offers a complete line of manholes with a configuration and hardware combination to fit your need. Please find out more about the configuration on our manhole product pages.







		Clear Opening	Drawing #	Page#
Oval - 15X23 - 20 Bolt	Series BMHC15X23 Specs.			
	Model BMHC15X23D - TAP RING	15" x 23"	08866-101D	
	Model BMHC15X23F - FLUSH SCREW	15" x 23"	08866-101F	28
	Model BMHC15X23S - WELD STUD	15" x 23"	08866-101S	29
	Model BMHC15X23Z - 3" NPT PLUG	15" x 23"	08866-101Z	
	Model BMHC15X23BZ - WELD BOLT	15" x 23"	02590-101A	30
	Model BMHC15X23BS - WELD BOLT	15" x 23"	02590-105A	30
	Model BMHC15X23x2.5BZ - RAISED	15" x 23"	02570-101A, 101S, 105S	31
Oval - 15X23 - 26 Bolt	Series BMHC15X23-26 Specs.			
	Model BMHC15X23-26D TAP RING	15" x 23"	02590-102SA	
	Model BMHC15X23-26F FLUSH SCREW	15" x 23"	02610-101A	28
Oval - 18X24	Series BMHC18X24 Specs.			
	Model BMHC18X24BZ NO WELD	18" x 24"	02600-101A	32
	Model BMHC18X24X RAISED	18" x 24"	02580-101A	33
Round - 14	Series BMHC14 Specs.			
	Model BMHC14BR - RAISED 2½"	14" Ø	08451-101A,B,102B	34
	Model BMHC14SS-4.5 - RAISED 4½"	14" Ø	08451-112B	34
Round - 18	Series BMHC18 Specs.			
	Model BMHC18BR - RAISED 2½"	18" Ø	08450-101A,B,102B	34
	Model BMHC18SS-9 - RAISED 9½"	18" Ø	08450-121B, 122B	34

For Complete Listing of Manholes - SEE MANHOLE FEATURE WORKSHEET

Universal Steel Weathertight Doors

Reliable easy-access weathertight doors are another product line that Baier Marine now offers to the industry. All of our doors are built using high quality hardware and are available in both left and right-hand models to suit your needs.

4-Dog	Series UMC-WTD-4D Specs.	Clear Opening	Drawing #	Page#
Right Hand	Model UMC-WTD-4D-26X54R	26” x 54”	06111-101A	38
	Model UMC-WTD-4D-26X60R	26” x 60”	06111-101C	38
	Model UMC-WTD-4D-30X60R	30” x 60”	06111-101E	38
Left Hand	Model UMC-WTD-4D-26X54L	26” x 54”	06111-101B	38
	Model UMC-WTD-4D-26X60L	26” x 60”	06111-101D	38
	Model UMC-WTD-4D-30X60L	30” x 60”	06111-101F	38
6-Dog [1]	Series UMC-WTD-6D Specs.			
Right Hand	Model UMC-WTD-6D-26X60R	26” x 60”	06121-101C	39
	Model UMC-WTD-6D-30X60R	30” x 60”	06121-101E	39
	Model UMC-WTD-6D-30X66R	30” x 66”	06121-101G	39
	Model UMC-WTD-6D-30X72R	30” x 72”	06121-101I	39
Left Hand	Model UMC-WTD-6D-26X60L	26” x 60”	06121-101D	39
	Model UMC-WTD-6D-30X60L	30” x 60”	06121-101F	39
	Model UMC-WTD-6D-30X66L	30” x 66”	06121-101H	39
	Model UMC-WTD-6D-30X72L	30” x 72”	06121-101J	39
Quick Acting [2]	Series UMC-WTD-QA Specs.			
Right Hand	Model UMC-WTD-QA-26X60R	26” x 60”	06122-101C	40
	Model UMC-WTD-QA-30X60R	30” x 60”	06122-101E	40
	Model UMC-WTD-QA-30X66R	30” x 66”	06122-101G	40
	Model UMC-WTD-QA-30X72R	30” x 72”	06122-101I	40
Left Hand	Model UMC-WTD-QA-26X60L	26” x 60”	06122-101D	40
	Model UMC-WTD-QA-30X60L	30” x 60”	06122-101F	40
	Model UMC-WTD-QA-30X66L	30” x 66”	06122-101H	40
	Model UMC-WTD-QA-30X72L	30” x 72”	06122-101J	40
Lever Arm [3]	Series UMC-WTD-LA Specs.			
Right Hand	Model UMC-WTD-LA-28X72-R	28” x 72”	06121-103A	41
	Model UMC-WTD-LA-30X72-R	30” x 72”	06121-103C	41
Left Hand	Model UMC-WTD-LA-28X72-L	28” x 72”	06121-103B	41
	Model UMC-WTD-LA-30X72-L	30” x 72”	06121-103D	41



[1] 6 Dog Door



[2] QA Door



[3] Lever Arm

Universal Steel Kevels, Chocks, & Bitts

Standard marine industry steel casting made from ASTM A27-70-36 steel. These deck fittings are available in all sizes from small to large to suit your needs and built to handle the toughest conditions and heaviest of loads.

Kevels	Series UMC-Kevels Specs.	Drawing #	Page#
	Model Kevels 12”, 18”, 36”, 42”, 48”, & 60”	See Details	44
	Model Kevel Chocks 24”, 30”, 36”, 42” & 48” [1]	See Details	44
Bitts	Series UMC-Bitt Specs.	Drawing #	
	Model Single Bitt 8” & 10” [2]	See Details	48
	Model Single Bitt - Thru Deck 8” & 10”	See Details	48
	Model Double Bitt 8”, 10”, & 12” [3]	See Details	50
	Model Double Bitt w/ Horns 8” & 10”	See Details	50
Chocks	Series UMC-Chocks Specs.	Drawing #	
	Model Button Chock 6”, 8”, & 10” [4]	See Details	53
	Model Closed Chock 9”, 12”, & 14” [5]	See Details	57
	Model Open Chock 9” & 12” [6]	See Details	56
	Model Panama Chock 10”x14” & 12”x18”	See Details	59
	Model Mooring Eyes 8”x12” & 12”x18”	See Details	60
Roller Buttons	Series UMC-Roller Buttons Specs.	Drawing #	
	Model Roller Button Welded 12”, 16”, & 14”	See Details	52
	Model Roller Button Welded 17”	See Details	54
	Model Roller Chock 13”	See Details	55
Roller Buttons	Series D-Ring Specs.	Drawing #	
	Model D-Ring	See Details	58



[1] Kevels



[2] Single Bitts [3] Double Bitts



[4] Button Chocks



[5] Closed Chock [6] Open Chock

Baier Classic HEX-Bolt Strongback

Our simplest and most popular hatch featuring the proven Baier strongback system and the classic Hex wrench mode operation. The simple mechanical design ensures operation without fail and has set the standard for marine hatches in the market since 1947.





		Clear Opening	Drawing #	AL	ST	Page#
Round - Lift Out	Series BFHR Specs.					
	Model BFHR14,16, 18, 20	14,16,18,20 Ø	# 286-1	X		70
	Model BFHR24	24" Ø	# 630	X	X	76
Oval - Lift Out	Series BFHO Specs.					
	Model BFHO15X24	15" x 24"	# 541	X	X	78
Oval - Hinged	Series BFHHO Specs.					
	Model BFHHO15X24	15" x 24"	# 543-1		X	80

Baier T-Handle Strongback

A best of both world solutions. Still featuring the strength and simplicity of the Baier strongback system but with the added convenience of a built-in recessed T-Handle. Never lose wrenches needed for operation with this completely self-contained hatch.





		Clear Opening	Drawing #	AL	ST	Page#
Round - T-handle Lift Out	Series BFHRTH Specs.					
	Model BFHRTH8	6.625" Ø	# 670	X		84
	Model BFHRTH20	20" Ø	# 200	X		86
Oval - T-handle Lift Out	Series BFHOTH Specs.					
	Model BFHOTH15X24	15"x 24"	# 500	X		88

Baier Quick-Acting 4 Dog

Based on an industry standard this Quick Acting flush hatch also features the built-in recessed T-handle with the added function of 4-dog engagement. This proven design allows for positive verification of engagement and easy quarter-turn operation.





		Clear Opening	Drawing #	AL	ST	Page#
Round - QA 4-Dog Lift Out	Series BFHQTH Specs.					
	Model BFHQTH20	20" Ø	# 810	X		92
Oval - QA 4-Dog Lift Out	Series BFHQTH Specs.					
	Model BFHQTH15X24	15" x 24"	# 800	X		94
Square - QA 4-Dog Lift Out	Series BFHQTH Specs.					
	Model BFHQTH24X24	24" x 24"	# 08864-141	X		96
Round - QA 4-Dog Hinged	Series BFHHQTH Specs.					
	Model BFHHQTH20	20" Ø	# 08863-104	X		100
Oval - QA 4-Dog Hinged	Series BFHHQTH Specs.					
	Model BFHHQTH15X24	15" x 24"	# 08863-115	X		101
Square - QA 4-Dog Hinged	Series BFHHQTH Specs.					
	Model BFHHQTH24X24	24" x 24"	# 08863-141	X		99

Baier Low Profile

Baier low profile hatches are designed for applications where inside clearance is limited. These Light-weight, quick-acting 4-dog models are ideal for high-traffic closures where security and ease are paramount, and/or where positive engagement must be visually verifiable at a glance.





		Clear Opening	Drawing #	AL	ST	Page#
Round – Low Profile QA Lift Out	Series BFHLP Specs.					
	Model BFHLP20	20” Ø	# 08864-161	X		108
Oval – Low Profile QA Lift Out	Series BFHLP Specs.					
	Model BFHLP15X24	15” x 24”	# 08864-151	X		110
Square– Low Profile QA Lift Out	Series BFHLP Specs.					
	Model BFHLP24X24	24” x 24”	# 08864-171	X		112

UMC MARINE

THE QUALITY LEADER OF COMMERCIAL MARINE DECK HARDWARE FOR OVER 45 YEARS

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DOORS

ABS *ABS CERTIFIED

4 DOG / 6 DOG / QUICK ACTING



4 DOG DOORS - LH/RH

WTD-4D-26x54	06111-101A/B
WTD-4D-26x60	06111-101C/D

6 DOG DOORS - LH/RH

WTD-6D-26x60	06121-101C/D*
WTD-6D-30x60	06121-101E/F*
WTD-6D-30x66	06121-101G/H*
WTD-6D-30x72	06121-101I/J*

QUICK ACTING DOORS - LH/RH

WTD-QA-26x60	06122-101C/D*
WTD-QA-30x60	06122-101E/F*
WTD-QA-30x66	06122-101G/H*
WTD-QA-30x72	06122-101I/J*

GASKETS

06111-701A	26 x 54	QA, 4D, 6D - BUNA N
06111-701B	26 x 60	QA, 4D, 6D - BUNA N
06111-701C	30 x 60	QA, 4D, 6D - BUNA N
06111-701D	30 x 66	QA, 4D, 6D - BUNA N
06111-701E	30 x 72	QA, 4D, 6D - BUNA N

PARTS



DOOR DOG KIT
Handles, Washers, Packing and Bolt
STEEL HANDLES
Right Hand Kit 08340-101A
Left Hand Kit 08340-101B

ALUMINUM
Right Hand Kit 03840-115A
Left Hand Kit 03840-115B

HANDWHEELS
Counter / Outside 06122-301B
Clockwise / Inside 06122-301A

HINGE PIN KIT - ALL STYLES
Pin, Zerk & Washers 06122-140A

QA PARTS KIT
QA Arm Bushing Kit 06122-120A
Door Arm & Pin Kit 01622-130#
(See QA Arm Table)

QA ARM LENGTH KIT
06122-130A - 11.38"
06122-130B - 13.38"
06122-130C - 28.61"
06122-130D - 29.28"
06122-130E - 32.10"
06122-130F - 34.96"
06122-130G - 16.30"
06122-130H - 10.30"
06122-130K - 13.30"

DECK HARDWARE

ABS *ABS CERTIFIED

KEVEL CHOCKS / BITTS / CHOCKS / D-RINGS

SWL WORKING LOADS AVAILABLE ON REQUEST



DOUBLE BITTS
UMC-2 8" 0111-301A
UMC-40 10" 01120-301A
W/Horns
UMC-2A 8" 04200-101A
UMC-40A 10" 03760-101A



KEVEL CHOCKS* / 24" / 30" / 36" / 42" / 48"
UMC-30 029920-301A* / UMC-KC30 01081-301A* / UMC-482 010180-301A*
UMC-483 01090-301A* / UMC-484 01100-301A*
KEVELS 18" / 60" UMC-518 02720-301A / UMC-KC60 01101-301A
LARGE BASE CLEATS / 16" / 14" / 12" / 10" / 8"
08721-301A / 302A / 303A / 304A / 305A / 306A



BUTTON CHOCKS / 6" / 8" / 9" / 10" / 12"
UMC-122 01160-301A / UMC-473 01180-301A / UMC-194 07990-301A
UMC-185 01170-301A / UMC-158A 07830-40A FABRICATED
D-RINGS UMC-196 01190-301A

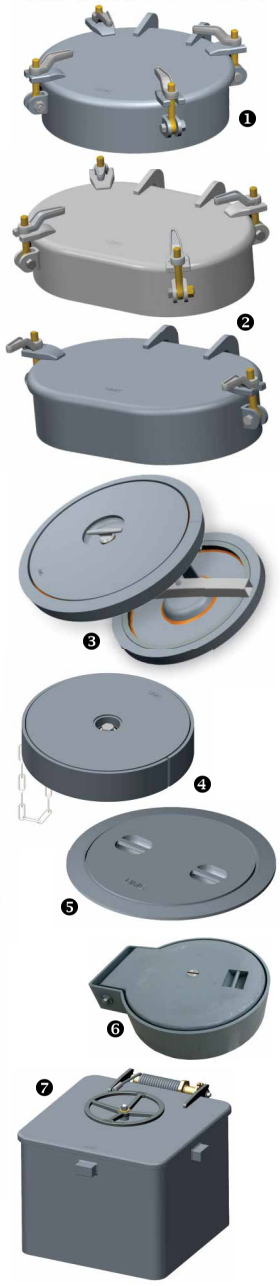


CHOCKS: CLOSED / 6" / 9" / 12" / 14"
UMC-480 04610-301A / UMC-490 06240-301A /
UMC-497 06241-302A / UMC-14 06241-301A
CHOCKS: OPEN / 9" / 12"
UMC-485 07870-301A / UMC-489 06242-301A

HATCHES

ABS *ABS CERTIFIED

MULTI DOG / T-BOLT / SCUTTLE / SINGLE BOLT / TWIST LOCK



ROUND - 12" & 19" MULTI-DOG ❶

			Flame Screen	Clear Opening
UMC-456-5	03410-101A	12" 3 Dog 5" Coaming	03410-201A	12" Ø x 5"
UMC-343-5	01230-101A	19" 4 Dog 5" Coaming		19" Ø x 5"

OVAL 15X23 MULTI-DOG* ❷ Hardware / Material / Coaming Matrix

	Standard Hardware	Premium Hardware	All Stainless	
UMC-174 4-Dog 01240-110#				15" x 23"
UMC-774 2-Dog 01241-110#	Steel Hatch	Steel Hatch	SS Cover & Coaming	15" x 23"
Flame Screen 01240-215A				
OVAL 18X24 MULTI-DOG*				
UMC-464 4-Dog 03800-100#	Steel Dog Bronze Tumble SS Bolts/Nuts	SS Dog w/ Zerk SS Tumble Bolt SS Bolts/Nuts	Bronze Dog Bronze Tumble SS Bolts/Nuts	18" x 24"
Flame Screen 03800-215A				
5" Comaing	A*	B*	C*	Use Letters To replace # symbol in Part Number 01240-110A
12" Coaming	D*	E*	F*	
24" Coaming	G*	H*	J*	

UMC-174 / 774 / 464 hatches have removable stainless steel hinge pins - Welded pins special order

SPARE PARTS

Dog Arms

Steel	01240-302A
Bronze	01240-302B
Stainless Steel	01240-302C
Steel w/ Zerk	01240-125A
S.S. w/ Zerk	01240-125C



Gaskets

12" RND DF-456	03410-701A
19" RND DF-343	01241-701A
15x24" DF-174, 774	01241-701A
18x24" DF-464	03800-701A

Tumble Bolts

Bronze 5"	01240-201A
Stainless 5"	01240-201B



Hinge Pin Kits

19" RND DF-343	01230-160A
15x23" DF-174, 774	01240-160A
18x24" DF-464	03800-160A

Lug Hardware - S.S.

Bolt 5/8-11 x 2 1/4"	01240-801B
Nut 5/8-11	01241-804A

ROUND - T-BOLT* ❸

			Galvanized	Stainless Steel	Clear Opening
UMC-430-18	01210-101A*	18" T-Bolt Hatch	01210-101B*	01210-101S*	18" Ø
UMC-430-24	01220-101A*	24" T-Bolt Hatch	01220-101B*	01220-101S*	24" Ø

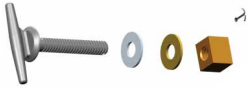
SPARE PARTS

T-Bolt Hardware

T-Bolt Kit	04210-110A
SS T-Handle	01210-201A
Bronze Nut	01210-803A
Nitrile Wash	01210-701A
Bronze Wash	01210-801A
SS Cotter Pin	01210-802A

Gaskets

18" O-Ring	01210-702A
24" O-Ring	01220-701A



Replacement Covers

18" PAINTED	04210-101A
18" GALVANIZED	04210-101B
24" PAINTED	01220-102A
24" GALVANIZED	01220-102B

Strongbacks

18" Strongback	01210-202A
24" Strongback	01220-220A

ROUND - SINGLE BOLT ❹

			Gasket / CB Gasket	Clear Opening
UMC-540-20	08380-101A	20" Single Bolt w/ chain	08380-701A	20" Ø
UMC-540-22	08381-101A	22" Single Bolt w/ chain	08381-701A / 702A	22" Ø

ROUND - TWIST LOCK ❺

			Gasket	
UMC-474	08640-101A	Flush Mounting	08640-701A	18.6" Ø
UMC-474	08641-101A	w/ 5" Coaming		18.6" Ø x 5"

FLUSH ROUND SCUTTLE HATCH ❻

UMC-551	06122-110A	20" Flush Watertight Quick Acting Escape Hatch	20" Ø

RAISED SQUARE SCUTTLE HATCH ❼

UMC-615-2424	06122-111A	Raised Scuttle 24" x 24" w/ 24" Coaming	24" x 24"
UMC-615-3030	06122-112A	Raised Scuttle 30" x 30" w/ 24" Coaming	30" x 30"
UMC-615-3636	06122-113A	Raised Scuttle 36" x 36" w/ 24" Coaming	36" x 36"

MANHOLES

FLUSH & RAISED / ROUND & OVAL / 20 BOLT / 26 BOLT / VARIOUS MOUNT STYLES

PART NUMBER	MODEL # REFERENCE	STYLE	BOLT THREAD	BOLT LENGTH	OPENING W x L (IN)	OVERALL W x L (IN)	C (IN)	D (IN)	E (IN)	WGHT (LBS)	BOLT/ STUD	NUT	WASHER	GASKET	HNDL Y/N
15" x 23"	**20 Bolt Flush**														
02590-101A*	UMC-503	WELD BOLT	5/8-11	2.25	15 x 23	21 x 29	.393	.787	N/A	95	ZN	SS	BR	BUNA	Y
02590-105A*	UMC-503-SS	WELD BOLT	5/8-11	2.25	15 x 23	21 x 29	.393	.787	N/A	95	SS	BR	BR	BUNA	Y
08866-101D*	BMHC15X23D	TAP RING	3/4-10	1.375	15 x 23	21 x 29	.393	.787	N/A	102	SS		SS	BUNA	N
08866-101F*	BMHC15X23F	FLUSH SCREW	1/2-13	.9375	15 x 23	21 x 29	.393	.787	N/A	98	SS			BUNA	N
08866-101S*	BMHC15X23S	STUD WELD	3/4-10	2.25	15 x 23	21 x 29	.393	.787	N/A	104	SS	BR	SS	BUNA	N
15" x 23"	**w/ 3" NPT**	**20 Bolt Flush**	**3" NPT**	**PLUG**											
BMHC15X23Z*	RAISED PLUG	STUD WELD	3/4-10	2.25	15 x 23	21 x 29	.393	.787	N/A	125	SS	BR	SS	BUNA	N
15" x 23"	**26 Bolt Flush**														
02610-101A*	UMC-505	FLUSH SCREW	5/8-11	1.25	15 x 23	22 x 30	.51	1.125	N/A	160	SS			BUNA	N
02590-102SA*		TAP RING	5/8-11	1	15 x 23	21 x 29	.393	.787	N/A	95	SS		BR	BUNA	N
15" x 23"	**20 Bolt Raised**														
02570-101A*	UMC-501	NON WELD	5/8-11	1.75	15 x 23	20 x 28	.393	.375	2.5	85	ZN	SS	BR	BUNA	N
02570-105A*		NON WELD	5/8-11	1.75	15 x 23	20 x 28	.393	.375	4	95	SS	BR	BR	BUNA	N
18" x 24"	**24 Bolt Flush**														
02600-101A*	UMC-504	WELD BOLT	5/8-11	2.25	18 x 24	24 x 30	.393	.787	N/A	112	ZN	ZN	BR	BUNA	Y
18" x 24"	**24 Bolt Raised**														
02580-101A*	UMC-502	NON-WELD	5/8-11	1.75	18 x 24	23 x 29	.393	.375	2.5	106	ZN	SS	BR	BUNA	N
18" Round	**Raised**														
08450-101A	UMC-154-18	NON WELD	5/8-11	2	18 x 18	23 x 23	.393	.393	2.5	78	ZN	BR		BUNA	N
14" Round	**Raised**														
08451-101A	UMC-154-14	NON WELD	5/8-11	2	14 x 14	19 x 19	.393	.393	2.5	55	ZN	BR		BUNA	N
10" Round	**12 Bolt Flush**														
08866-110A	WELD BOLT		5/5-11	2.25	10 x 10	16 x 16	.393	.787	N/A	48	SS	BR	SS	BUNA	N

ZN - Zinc Plated Steel, SS - Stainless Steel, BR - Brass/Bronze

08450-101A
Weld Bolt



14" & 18" Round

08866-110A
Weld Bolt



10" Round

ABS
*ABS CERTIFIED

15" X 23" ST



08866-101F*
Flush Screw

15" X 23" ST



02590-101A*
Weld Bolt

15" X 23" ST



08866-101S*
Weld Stud

15" X 23" ST



02570-101A*
Raised Coaming

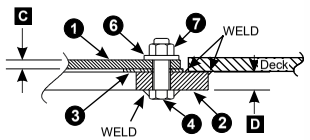
GASKETS 15x23
02570-701A 20 Bolt 5/8 Holes
02590-701A 26 Bolt 5/8 Holes
08866-702A 20 Bolt 3/4 Holes
02570-701C 20 Bolt 3/4" Holes

GASKETS 18x24
02570-701B 24 Bolt 3/4" Holes
02580-701A 24 Bolt 3/4" Holes

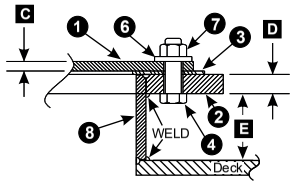
GASKETS ROUND
08451-701A 14" Round
08866-710A 10" Round
ALL GASKETS ARE BUNA-N

BILL OF MATERIAL: BMHC		
PC.NO.	DESCRIPTION	MATERIAL
1	COVER	STEEL (PRIMED)
2	DECK RING	STEEL (PRIMED)
3	GASKET	SEE MATIRX
4	BOLT	SEE MATIRX
5	STUD	SEE MATRIX
6	WASHER	SEE MATRIX
7	NUT	SEE MATRIX
8	COAMING	STEEL (PRIMED)

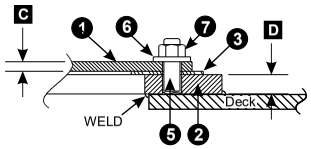
STYLE: WELD BOLT



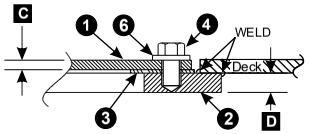
STYLE: NON-WELD



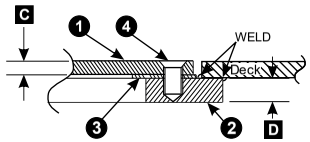
STYLE: STUD WELD



STYLE: TAP RING



STYLE: FLUSH SCREW



18" X 24" ST



02600-101A*
Weld Bolt



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INNOVATION | QUALITY | DESIGN
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#BARGEAHEAD #BARGEAHEAD

UMC MARINE

WINCHES

BC-40 STYLE / SWIVEL BASE / WELD-DOWN / D-RING



UMC BC-40 BARGE CONNECTOR WINCH

SWIVEL BASE
08321-105R - RIGHT HANDED
08321-105L - LEFT HANDED

WELD- DOWN
08321-114R - RIGHT HANDED
08321-114L - LEFT HANDED

D-RING
08321-106R - RIGHT HANDED
08321-106L - LEFT HANDED



Brake Hardware
Brake Band 08303-463C
Brake Drum 08321-235A
Grease Fittings
Zerk 1/8-27 06140-701A
Zerk 1/4-18 08303-820A

Rope clips
U-Bolt 08303-217C
2x Nut 3/4-10 03570-806A
Replacement Covers
Left Hand 08321-415B
Right Hang 08321-415A

Handwheel Knob
Knob 08303-251A
Shoulder Bolt 08303-837A
Jam Nut M16-2 08308-846A
Cotter Pin 08303-805A

DM-40 3-SHAFT STYLE / SWIVEL BASE

UMC DM-40 BARGE CONNECTOR WINCH 08322-122A - RIGHT HANDED
08322-122B - LEFT HANDED

OTHER

S.S. Fixed Chock
UMC-460-3 08373-390A



BULLWARK CHOCKS
10x14 / 10x16 / 10x21



DISHED HEADS 24"
SE-29 02801-304A







PANAMA CHOCK
10x14 / 12X18
11X22 / 12X24
UMC-531:10X14-08370-301A
12X18 08372-301A
11X22 08374-301A
12X24 08372-302A

CORNER PLATES
UMC-486-6 02802-301A

MOORING EYES 10x14
UMC-352 08371-301A

ROLLERS CHOCKS

2026.2



ROLLER BUTTON 11"
UMC-50 08670-152A



ROLLER BUTTON 12"
UMC-75 08671-152A



ROLLER BUTTON 13.5"
UMC-1048 08674-101A



ROLLER CHOCK
UMC-927 08830-101A



Universal Steel Hatches

Flush Watertight T-Bolt Hatch

Flush T-Bolt

UMC-430

This industry standard steel enclosure features a proven strongback style design and is operated by a single T-Bolt. Its easy operation facilitates convenient use while maintaining a near flush profile.

Features:

- T-Bolt - Stainless Steel
- Thread Block - Brass
- Strongback - Galvanized Steel
- Gasket - Nitrile Rubber
- Washer - Brass
- T-Bolt Gasket - Nitrile Rubber
- Cotter Pin - Stainless Steel
- Made from high strength 3/8" steel for better impact resistance.
- No tools required, single bolt T-Bolt for secure engagement.
- Stainless steel T-Bolt and Brass Thread block uses dissimilar metals to prevent galling and ensure trouble-free operation.
- Nitrile rubber gaskets ensure water-tight design.
- Meets ABS (American Bureau of Shipping) requirements for design and materials.

ABS Certified

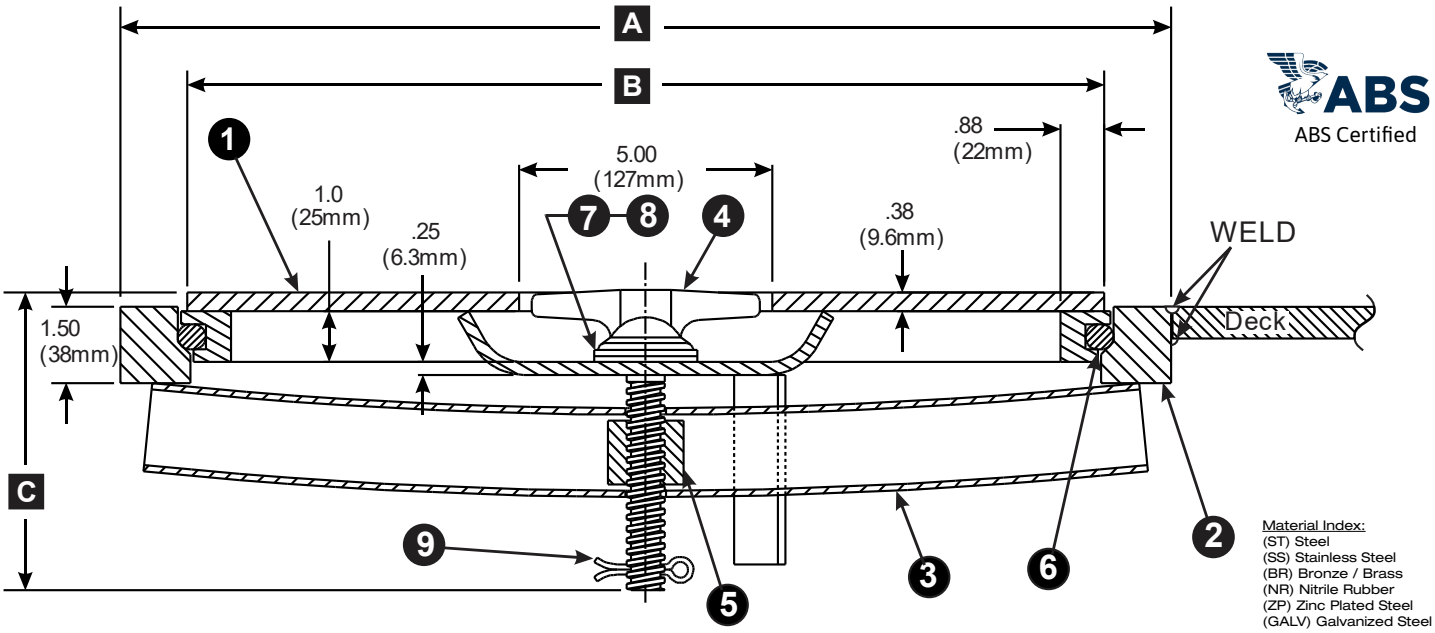


Flush T-Bolt hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting.

Model Number	Part Number	Description	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)	Cutout Dimension in. (mm)
UMC-430-18	01210-101A	Flush 18" T-Bolt Hatch	18" (457)	81 37)	20.75" (527)
UMC-430-18-GAL	01210-101B	Flush 18" T-Bolt Hatch (Galvanized)	18" (457)	81 (37)	20.75" (527)
UMC-430-18-SS	01210-101S	Flush 18" T-Bolt Hatch (Stainless Steel)	18" (457)	81 (37)	20.75" (527)
UMC-430-24	01220-101A	Flush 24" T-Bolt Hatch	24" (508)	120 (54)	26.75" (679)



Steel (ASTM A36)
Painted Primer Grey or Galvanized



Model Number	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	1-Cover	2-Deck Ring	3-Strong back	4-T-Handle	5-Block Nut	6-Gasket	7-Washer	8-Gasket	9-Cotter
UMC-430-18	01210-101A	20.76" (527)	18.13" (460)	5.89" (150)	01210-203A (ST)	01210-203A (ST)	01210-202A (GALV)	01210-201A (SS)	01210-803A (BR)	01210-702A (NR)	3/4 ID X 1-7/8 OD (BR)	01210-701A (NR)	3/16" X 1-1/4" (SS)
UMC-430-18-GAL	01210-101B	20.76" (527)	18.13" (460)	5.89" (150)	01210-203B (GALV)	01210-203B (GALV)	01210-202A (GALV)	01210-201A (SS)	01210-803A (BR)	01210-702A (NR)	3/4 ID X 1-7/8 OD (BR)	01210-701A (NR)	3/16" X 1-1/4" (SS)
UMC-430-18-SS	01210-101S	20.76" (527)	18.13" (460)	5.89" (150)	(SS)	(SS)	01210-202A (GALV)	01210-201A (SS)	01210-803A (BR)	01210-702A (NR)	3/4 ID X 1-7/8 OD (BR)	01210-701A (NR)	3/16" X 1-1/4" (SS)
UMC-430-24	01220-101A	26.76" (679)	23.88" (607)	5.76" (146)	01220-203A (ST)	01220-203A (ST)	01220-202A (GALV)	01210-201A (SS)	01210-803A (BR)	01220-701A (NR)	3/4 ID X 1-7/8 OD (BR)	01210-701A (NR)	3/16" X 1-1/4" (SS)

Flush Watertight T-Bolt Hatch

Flush T-Bolt Cover Assembly

UMC-430A

This industry standard steel enclosure features a proven strongback style design and is operated by a single T-Bolt. Its easy operation facilitates convenient use while maintaining a near flush profile.

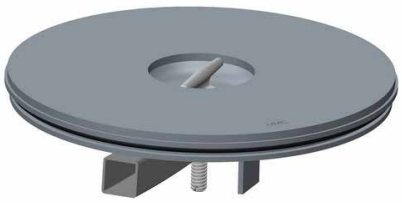
Features

- T-Bolt - Stainless Steel
- Thread Block - Brass
- Strongback - Galvanized Steel
- Gasket - Nitrile Rubber
- Washer - Brass
- T-Bolt Gasket - Nitrile Rubber
- Cotter Pin - Stainless Steel
- Made from high strength 3/8" steel for better impact resistance.
- No tools required, single bolt T-Bolt for secure engagement.
- Stainless steel T-Bolt and Brass Thread block uses dissimilar metals to prevent galling and ensure trouble-free operation.
- Nitrile rubber gaskets ensure water-tight design.
- Meets ABS (American Bureau of Shipping) requirements for design and materials.

Flush T-Bolt hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting.

Steel (ASTM A36)
Painted Primer Grey

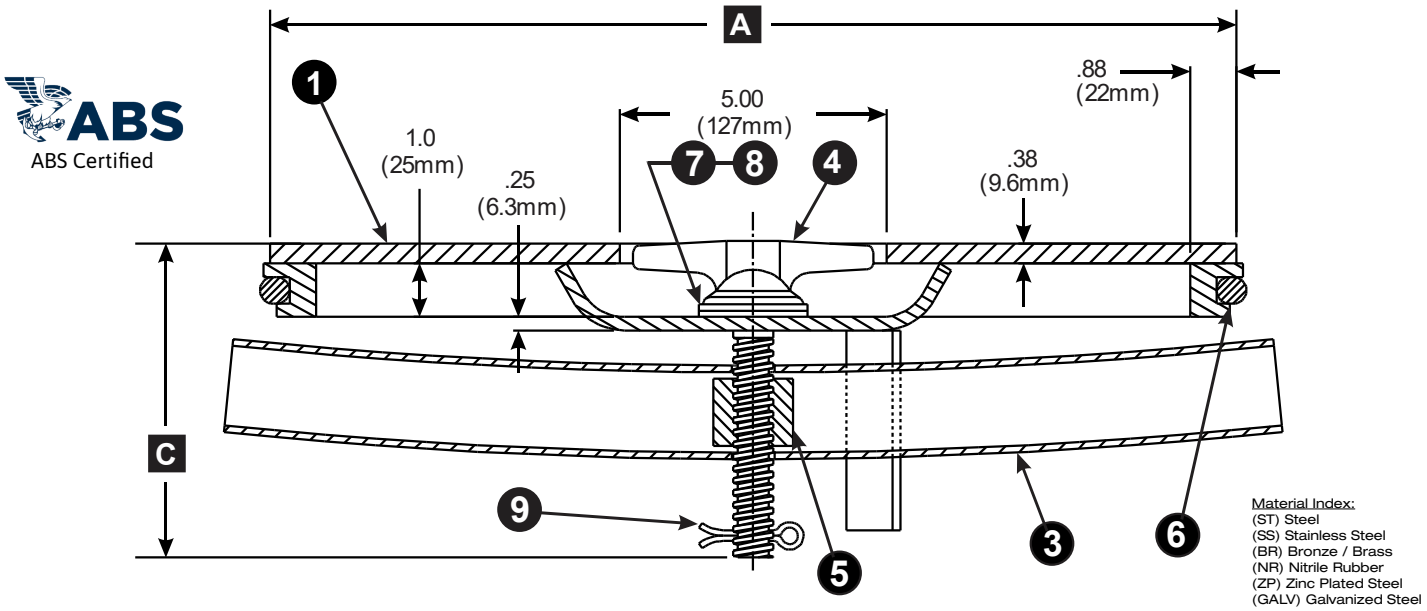
ABS Certified



Model Number	Part Number	Description	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)
UMC-430-18A	04210-101A	Flush 18" T-Bolt Cover Assembly	18" (457)	49 (22)
UMC-430-18B	04210-101B	Flush 18" T-Bolt Cover Assembly (Galvanized)	18" (457)	49 (22)
UMC-430-24A	01220-102A	Flush 24" T-Bolt Cover Assembly	24" (508)	78 (35)



ABS Certified



Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel
(GALV) Galvanized Steel

Model Number	Part Number	A in. (mm)	B in. (mm)	1- Cover	2-Deck Ring	3-Strong back	4-T-Handle	5-Block Nut	6-CenterBolt Gasket	7-Washer	8-Gasket	9-Cotter
UMC-430-18A	04210-101A	18.13" (460)	5.89" (150)	01210-203A (ST)	N/A	01210-202A (GALV)	01210-201A (SS)	01210-803A (BR)	01210-702A (NR)	3/4 ID X 1-7/8 OD (BR)	01210-701A (NR)	3/16" X 1-1/4" (SS)
UMC-430-18B	04210-101B	18.13" (460)	5.89" (150)	01210-203B (GALV)	N/A	01210-202A (GALV)	01210-201A (SS)	01210-803A (BR)	01210-702A (NR)	3/4 ID X 1-7/8 OD (BR)	01210-701A (NR)	3/16" X 1-1/4" (SS)
UMC-430-24A	01220-102A	23.88" (607)	5.76" (146)	01220-203A(ST)	N/A	01210-202A (GALV)	01210-201A (SS)	01210-803A (BR)	01210-702A (NR)	3/4 ID X 1-7/8 OD (BR)	01210-701A (NR)	3/16" X 1-1/4" (SS)

Raised Single Bolt Hatch

UMC-540



This industry standard steel enclosure features a strongback style design and is operated by a single 7/8" stainless steel bolt. Its easy operation facilitates convenient use while providing a secure hatch.

Features

- Hex Head Bolt - Stainless Steel
- Keeper Chain - Galvanized Steel
- Hinge Pins - Steel
- Cotter Pins - Stainless Steel
- Washer - Brass
- Washer Gasket - Neoprene
- Hatch Gasket - Neoprene
- Meets ABS (American Bureau of Shipping) requirements for design and materials.

Raised single bolt hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting.

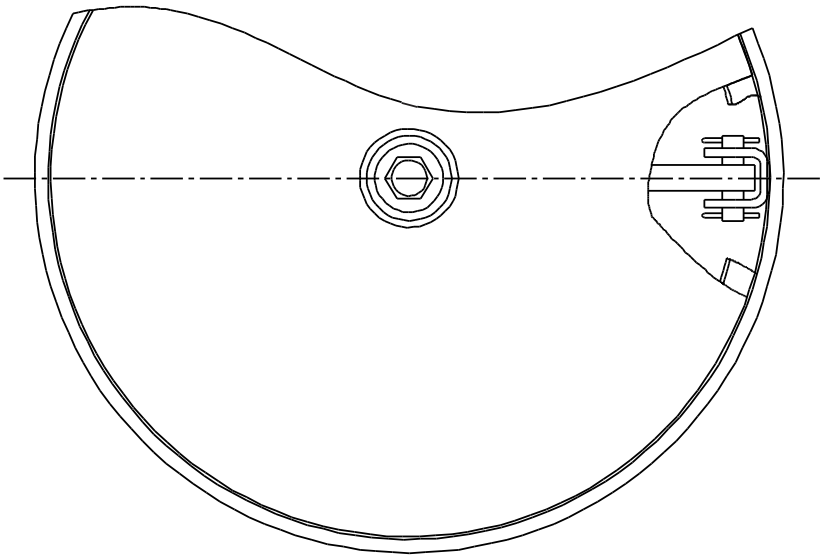
Model Number	Part Number	Description	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)	Cutout Dimension in. (mm)
UMC-540-1775	08380-101A	Raised 20" Round Single Bolt Watertight Hatch	17.75" (451)	70 (32)	20" (508)
UMC-540-1975	08381-101A	Raised 22" Round Single Bolt Watertight Hatch	19.75" (502)	75 (34)	22" (559)

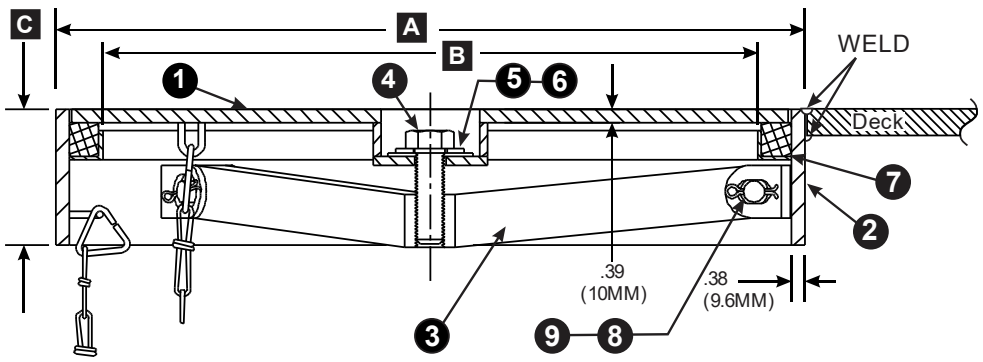
Steel (ASTM A36)
Painted Primer Grey

Stainless steel bolt and steel strongback provide dissimilar metals to prevent galling and ensure trouble free operation.
Neoprene gaskets ensure water tight design.
Galvanized keeper chain ensures covers stay attached and never get lost.



Model Number	UMC-540-1775	UMC-540-1975
Part Number	08380-101A	08381-101A
A in. (mm)	20" (508)	22" (559)
B in. (mm)	17.55" (446)	19.55" (497)
C in. (mm)	4" (102)	4" (102)
1-Cover	08380-401A (ST)	08381-401A (ST)
2-Coaming	08380-402A (ST)	08381-402A (ST)
3-Strongback	08380-403A (ST)	08381-403A (ST)
4-CenterBolt	7/8-9 X 2.5 (SS)	7/8-9 X 2.5 (SS)
5-Washer	08381-805A (BR)	08381-805A (BR)
6-Center Gasket	08381-702A (NR)	08381-702A (NR)
7-Gasket	08380-701A (NR)	08381-701A (NR)
8-Pin	08381-201A (ST)	08381-201A (ST)
9-Cotter Pin	7/64 X 1.5 (SS)	7/64 X 1.5 (SS)





Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel

Twist Lock Hatch

UMC-474

The Twist Lock hatch is a simple proven design for hatch enclosures. The twist engagement method for securing this hatch makes this the simplest hatch to operate. This hatch is made from high strength cast steel with reinforced ribs. Built-in lift-out handles are molded into the cover plate for convenience. It is available Flush or with a Raised Coaming.



Features

- Gasket - Nitrile Rubber
- Chain - Galvanized Steel
- Coaming (Optional) - Steel

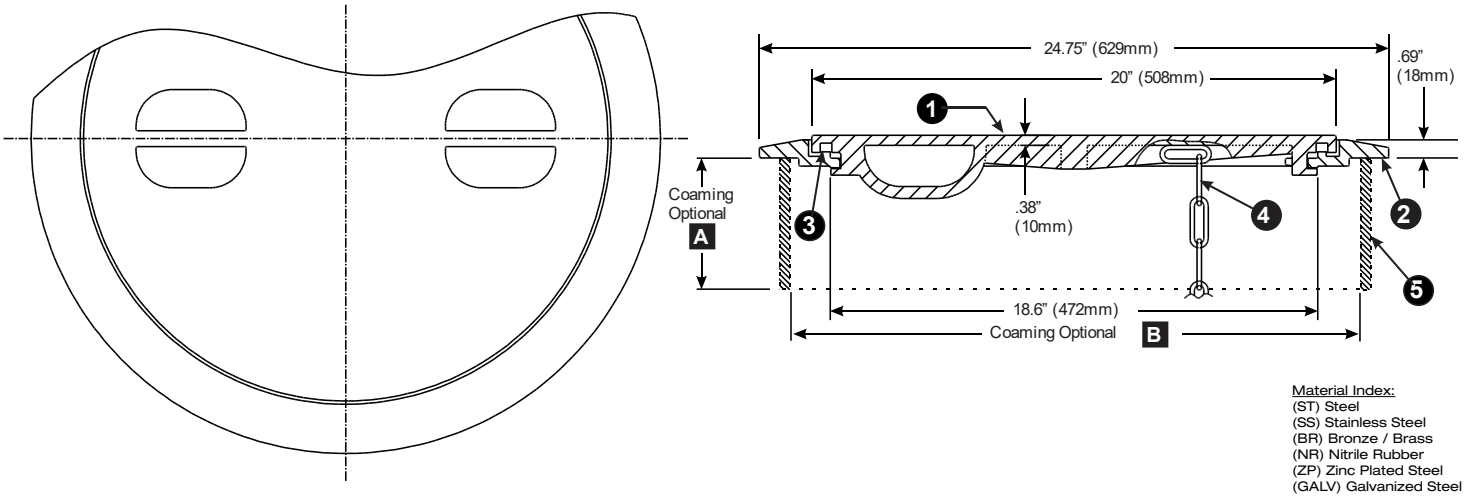
Twist lock hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting.

Model Number	Part Number	Description	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)	Cutout Dimension in. (mm)
UMC-474	08640-101A	Flush 18" Round Twist Lock Hatch	18.6" (472)	85 (39)	24.75" (629)
UMC-474-5	08641-101A	Raised 18" Round Twist Lock Hatch W/ 5" Coaming	18.6" (472)	118 (54)	24.75" (629)

ASTM A27-70-36 Cast Steel
Painted Primer Grey

High strength cast steel construction.
Lift-out grab handles cast into cover.
Reinforced steel ribs on cover to provide greater impact resistance.
Galvanized keeper chain ensures the cover stays attached and will never get lost.





Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel
(GALV) Galvanized Steel

Model Number	Part Number	A in. (mm)	B. in (mm)	1-Cover	2-Deck Ring	3-Gasket	4-Chain	5-Coaming
UMC-474	08640-101A	N/A	N/A	08640-201A (ST)	08640-202A (ST)	08640-701A (NR)	08640-801A (GALV)	N/A
UMC-474-5	08641-101A	5" (127)	21.75" (552)	08640-201A (ST)	08640-202A (ST)	08640-701A (NR)	08640-801A (GALV)	08641-201A (ST)

UMC-615 Quick Acting Hatch

Reliable Access for Demanding Marine Environments

The UMC-615 Quick-Acting Hatch is engineered for vessels that need fast, secure, and watertight access without slowing down operations. It's built for workboats, offshore vessels, military craft, and commercial ships where durability and safety are non-negotiable.

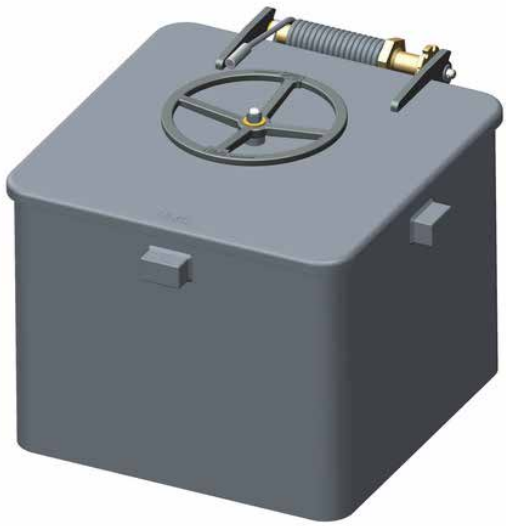
Fast, One-Motion Operation: Crew members can open or secure the hatch in seconds, improving workflow during routine checks, maintenance, or emergency situations.

Watertight Protection: Designed to withstand harsh marine conditions, the UMC-615 maintains a tight seal that protects against water ingress, pressure changes, and rough seas.

Built for Heavy Use: Constructed from marine-grade materials, it resists corrosion, impacts, and long-term exposure to saltwater environments.

Versatile Installation: Ideal for decks, bulkheads, and compartments where quick access is essential—engine rooms, storage spaces, and technical areas.

Safety-Focused Design: The quick-acting mechanism reduces strain on crew members and ensures consistent sealing performance, even in demanding conditions.

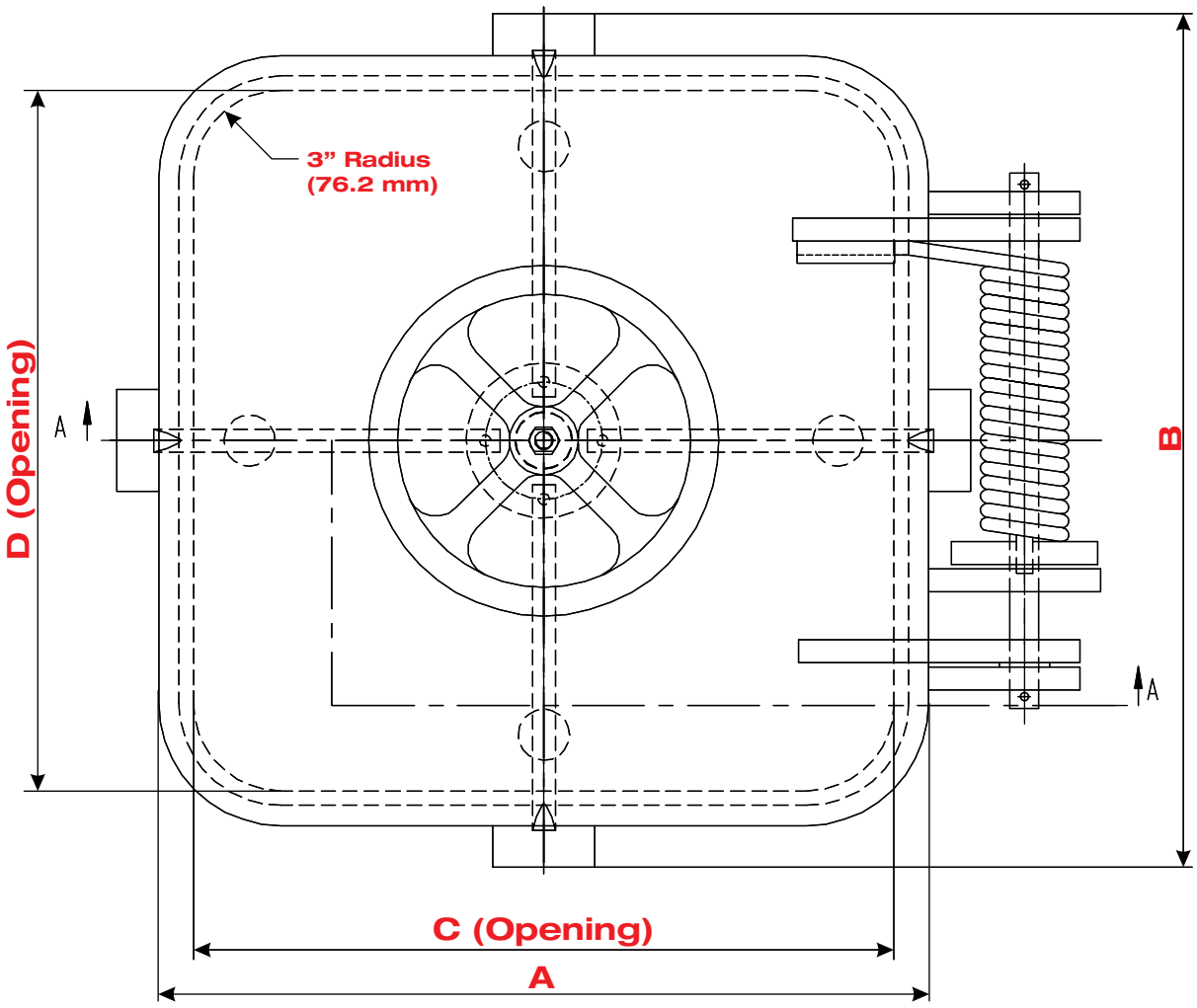


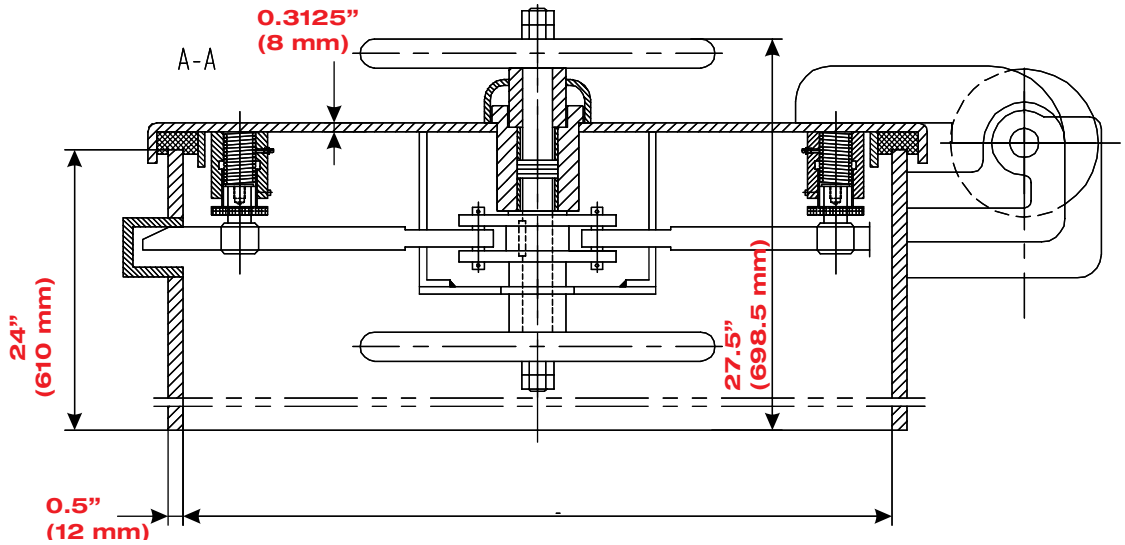


Features

- Available in mild steel (Painted zinc primer)
- Also Available in hot dipped galvanized, and all stainless steel construction (special order)
- Custom coaming heights from 8"-24"
- Doors are suitable for a design head of 22" (6706 mm).
- Stainless steel lever mechanism and moving parts.
- 4 dog Quick Acting styles.
- Additional opening dimensions available.
- Other gasket materials available

MODEL	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	Weight Lbs (Kgs)
UMC-615-2424	33.6875 (855.7)	29.25 (742.9)	24 (610)	24 (610)	500 (227)
UMC-615-3030	39.6875 (1008.1)	36.25 (895.3)	30 (762)	30 (762)	700 (318)
UMC-615-3636	45.6875 (1160.5)	41.25 (1047.7)	36 (914.4)	36 (914.4)	900 (408)


3” Radius
(76.2 mm)
D (Opening)
A
B
A
C (Opening)
A


0.3125”
(8 mm)
A-A
24”
(610 mm)
27.5”
(698.5 mm)
0.5”
(12 mm)

UMC-551 Flush Watertight Quick Acting Escape Hatch

Low-profile design. High-stakes reliability.

The UMC-551 is engineered for marine environments where rapid, dependable egress is essential. Its flush, unobtrusive profile blends cleanly into decks and bulkheads, while its quick-acting mechanism ensures crews can escape or access critical areas without hesitation.

Fast Emergency Egress: Designed for one-motion operation, enabling crew members to open the hatch instantly during drills or real emergencies.

Flush, Trip-Free Profile: The low-profile design minimizes snag hazards and keeps decks clear, supporting safer movement in tight or high-traffic areas.

Watertight Security: Built to withstand harsh marine conditions, the UMC-551 maintains a robust seal that protects compartments from water ingress, even in rough seas.

Durable Marine-Grade Construction: Resistant to corrosion, impact, and long-term exposure, making it ideal for commercial vessels, offshore craft, and military applications.

Optimized for Escape Routes: Commonly installed in accommodation spaces, machinery rooms, and protected compartments where a secondary exit is required by safety regulations.

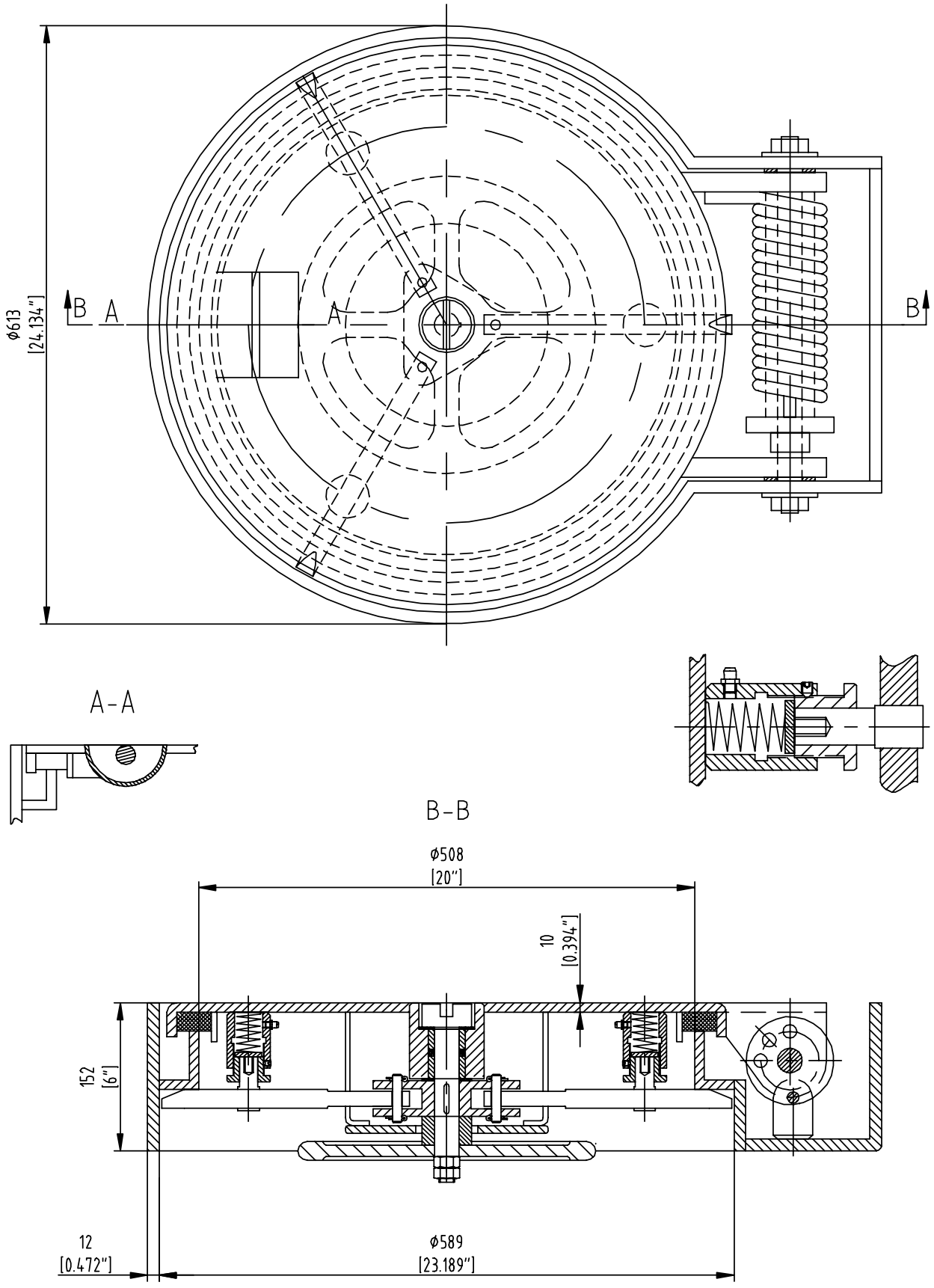


Features

- Spring assisted cover for ease of operation
- Knife edge sealing system enables great seal-ability while preventing water from spilling into the clear opening when opening the hatch
- Quick acting design with 3 adjustable dogs for even clamping pressure
- T-Style Slot spindle allows for opening from the topside
- Topside grab handle facilitates easier opening
- Available in mild steel (Painted zinc primer)
- Also Available in hot dipped galvanized, and all stainless steel consrtuction (special order)






ϕ613
[24.134"]
B A
A
B
A-A
B-B
ϕ508
[20"]
10
[0.394"]
152
[6"]
12
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ϕ589
[23.189"]

Raised 8” and 10” Ullage Hatches

UMC-144, UMC-569

The Ullage hatch is a strong and secure method of enclosing a tank compartment while still providing easy single bolt operation for inspection or measuring of cargo. Available in 8” and 10” diameters.

Features

- Tumble Bolt - Bronze
- Dog Handle - Steel
- Lug Bolt 5/8-11 - Bronze
- Lug Nut 5-8-11 - Stainless Steel
- Washer - Stainless Steel
- Gasket - Nitrile Rubber



Ullage hatches are commonly found welded to the top of a raised watertight hatch or on top of the cargo compartments of tank barges. They are typically used as a vent or an inspection port to measure or verify cargo as well as fill a tank.

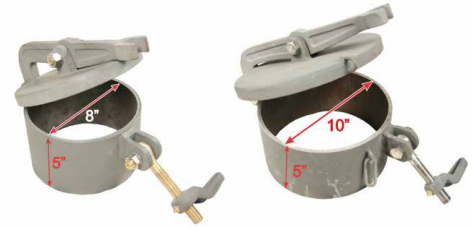
Cover: ASTM- A27- 60-30 Cast Steel
Coaming: Steel (ASTM A36)
Painted Primer Grey

Various standard coaming heights available (Custom coaming heights available upon request).
Other gasket material available upon request.
Various hardware options available:
- Steel, Stainless Steel, & Bronze Dog Handles (available with or without grease fittings).
- Bronze & Stainless Steel Tumble Bolts.
- Lug Bolts and nuts made from dissimilar metals to prevent galling and corrosion.

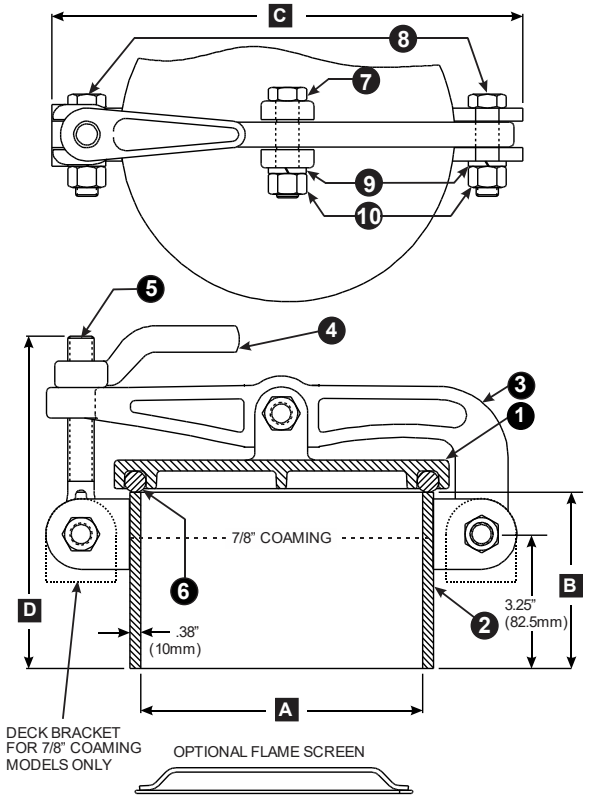
Flame screens available upon request (sold separately).

Model Number	Part Number	Description	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)
UMC-144	01242-102A	8" Round Ullage w/ 7/8" Coaming	8" (203)	21 (10)
UMC-144-SS	01242-102S	8" Round Ullage w/ 7/8" Coaming (Stainless Steel)	8" (203)	21 (10)
UMC-144-5	01242-104B	8" Round Ullage w/ 5" Coaming	8" (203)	33 (15)
UMC-144-5-SS	01242-104S	8" Round Ullage w/ 5" Coaming (Stainless Steel)	8" (203)	33 (15)
UMC-144-12	01242-116A	8" Round Ullage w/ 12" Coaming	8" (203)	49 (22)
UMC-569-5	01243-101A	10" Round Ullage w/ 5" Coaming	10" (254)	40 (18)
UMC-569-5-SS	01243-101S	10" Round Ullage w/ 5" Coaming (Stainless Steel)	10" (254)	40 (18)





Model Number	UMC-144	UMC-144-5	UMC-144-12	UMC-144-SS	UMC-144-5-SS	UMC-569-5	UMC-569-5-SS
Part Number	01242-102A	01242-104B	01242-116A	01242-102S	01242-104S	01243-101A	01243-101S
A in. (mm)	8” (203)	8” (203)	8” (203)	8” (203)	8” (203)	10.12” (257)	10.12” (257)
B in. (mm)	7/8” (22)	5” (127)	12” (305)	7/8" (22)	5” (127)	5” (127)	5” (127)
C in. (mm)	14” (356)	14” (356)	14” (356)	14” (356)	14” (356)	15.47” (392)	15.47” (392)
D in. (mm)	6.68” (162)	9.38” (238)	16.38” (416)	6.38” (162)	9.38” (238)	9.38” (238)	9.38” (238)
1- Cover	01242-302A (ST)	01242-302A (ST)	01242-302A (ST)	01242-302B (SS)	01242-302B (SS)	01243-301A (ST)	01243-301B (SS)
2- Coming	01242-201A (ST)	01242-404A (ST)	01242-401A (ST)	01242-201B (SS)	(SS)	01243-201A (ST)	01243-201B (SS)
3-Arm	01242-301A (ST)	01242-305A (ST)	01242-305A (ST)	01242-301B (SS)	01242-301B (SS)	01243-302A (ST)	01243-302B (SS)
4-Dog Handle	01240-302A (BR)	01240-312A w/Zerk (ST)	01240-302A (ST)	01240-302C (SS)	01240-302C (SS)	01240-302C (SS)	01240-302C (SS)
5-Tumble Bolt	01240-201A (BR)	01240-210A (BR)	01240-210A (BR)	01240-201 (BR)	01240-201 (BR)	01240-210B (SS)	01240-210A (BR)
6-Gasket	01242-701A (NR)	01242-701A (NR)	01242-701A (NR)	01242-701A (NR)	01242-701A (NR)	01243-702B &701B (NR)	01243-702B &701B (NR)
7-Arm Bolt	5/8-11 x 2-3/4 (ZP)	5/8-11 x 2-3/4 (SS)	5/8-11 x 2-3/4 (BR)	M16-2 x 65 mm (SS)	M16-2 x 65 mm (SS)	5/8-11 x 2-3/4 (SS)	5/8-11 x 2-3/4 (SS)
8-Hing Bolt	5/8-11 x 2-1/2 (ZP)	5/8-11 x 2-1/2 (SS)	5/8-11 x 2-1/2 (BR)	M16-2 x 70 mm (SS)	M16-2 x 70 mm (SS)	5/8-11 x 2-1/2 (SS)	5/8-11 x 2-1/2 (SS)
9-Lock Washer	5/8 (SS)	5/8 (SS)	5/8 (SS)	5/8 (SS)	5/8(SS)	5/8 (SS)	5/8 (SS)
10-Nut	5/8-11 (SS)	5/8-11 (SS)	5/8-11 (SS)	M16-2 (BR)	M16-2 (BR)	5/8-11 (SS)	5/8-11 (SS)
Flame Screen	01242-203A (SS)	01242-203A (SS)	01242-203A (SS)	01242-203A (SS)	01242-203A (SS)	01243-202A (SS)	01243-202A (SS)



Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel

Raised Watertight Hatches

2-Dog Oval

UMC-774-5

Raised watertight hatches are strong and secure enclosures designed to be easily accessed when needed. They are universally used on all types of commercial vessels from tank barges, hopper barges, box barges and push-boats to OSVs and larger commercial vessels. Their simple design and quality steel construction help them meet long range trouble-free service requirements in the harshest environments.

Features

- Gasket - Nitrile Rubber
- Removable Hinge Pins
- Available with 12" Coaming & 24" Coaming
- All of our raised watertight hatches meet ABS (American Bureau of Shipping) requirements for design and materials.



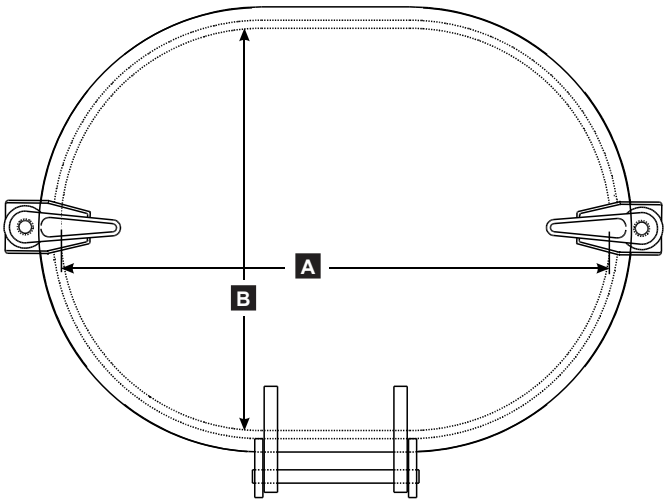
Model Number	Part Number	Description Watertight Hatch Raised 2 Dog 15x23	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)
UMC-774-5	01241-110A	Standard Hardware	15" x 23" (380 x 584)	91 (41)
UMC-774-5 SS-HDWR	01241-110B	Premium Hardware Stainless Steel	15" x 23" (380 x 584)	91 (41)
UMC-774-5 SS	01241-110C	All Stainless Steel Material Stainless Steel Hardware	15" x 23" (380 x 584)	91 (41)

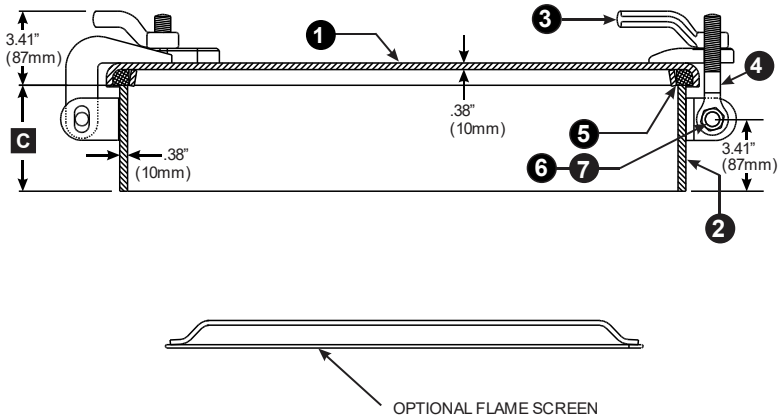
Raised watertight hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting.

Steel (ASTM A36)
Painted Primer Grey

Other gasket material available upon request.
Various hardware options available:
- Standard hardware Bronze Tumble-Bolt, Steel Dog Handle.
- Premium Hardware: Stianless Steel Tumble Bolts, Stainless Steel Dog handles
- Lug Bolts and nuts made from dissimilar metals to prevent galling and corrosion.

Flame screens available upon request (sold separately).





Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel

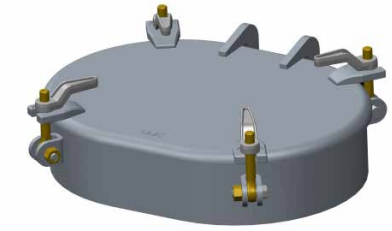
Model Number	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	1-Cover	2-Coaming	3-Dog Handle	4-Tumble Bolt	5-Gasket	6-Bolt	7-Nut	Flame Screen
UMC-774-5	01241-110A	23.06" (586)	15.06" (383)	5" (127)	01241-106A (ST)	01240-220A (ST)	01240-302A (ST)	01240-207A (BR)	01241-701A (NR)	5/8-11 x 2-1/4 (ZP)	5/8-11 (ZP)	01240-215A (SS)
UMC-774-5- SS HDWR	01241-110B	23.06" (586)	15.06" (383)	5" (127)	01241-106A (ST)	01240-220A (ST)	01240-302C (SS)	01240-207B (SS)	01241-701A (NR)	5/8-11 x 2-1/4 (ZP)	5/8-11 x 2-1/4 (ZP)	01240-215A (SS)
UMC-774- 5-SS	01241-110C	23.06" (586)	15.06" (383)	5" (127)	01241-106S (SS)	01240-220B (SS)	01240-302C (SS)	01240-207B (SS)	01241-701A (NR)	5/8-11 x 2-1/4 (SS)	5/8-11 x 2-1/4 (SS)	01240-215A (SS)

Raised Watertight Hatches

4-Dog Oval

UMC-174-5, UMC-464-5

Raised watertight hatches are strong and secure enclosures designed to be easily accessed when needed. They are universally used on all types of commercial vessels from tank barges, hopper barges, box barges and push-boats to OSVs and larger commercial vessels. Their simple design and quality steel construction help them meet long range trouble-free service requirements in the harshest environments.



Features

- Gasket - Nitrile Rubber
- Removable Hinge Pins
- Available with 12” Coaming & 24” Coaming
- All of our raised watertight hatches meet ABS (American Bureau of Shipping) requirements for design and materials.

Raised watertight hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting.

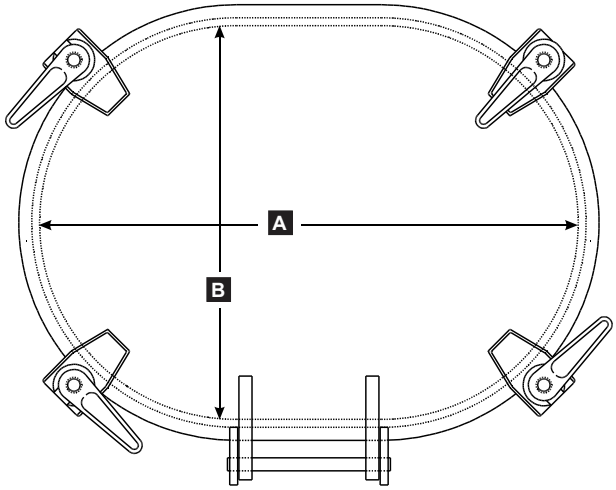
Steel (ASTM A36)
Painted Primer Grey

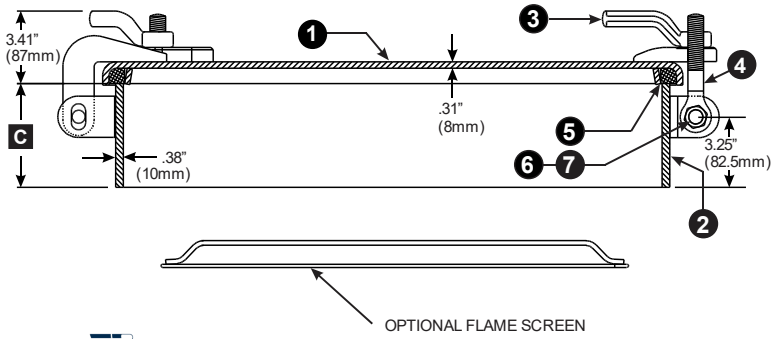
Other gasket material available upon request.
Various hardware options available:
- Standard hardware Bronze Tumble-Bolt, Steel Dog Handle.
- Premium Hardware: Stianless Steel Tumble Bolts, Stainless Steel Dog handles
- Lug Bolts and nuts made from dissimilar metals to prevent galling and corrosion.

Flame screens available upon request (sold separately).

Model Number	Part Number	Description Watertight Hatch Raised 4 Dog	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)
UMC-174-5	01240-110A	Standard Hardware 15x23	15" x 23" (380 x 584)	96 (44)
UMC-174-5-SS HDWR	01240-110B	Premium Hardware 15x23 Stainless Stee	15" x 23" (380 x 584)	96 (44)
UMC-174-5-SS	01240-110C	All Stainless Steel 15x23 Stainless Steel Hardware	15" x 23" (380 x 584)	96 (44)
UMC-464-5*	03800-100A	Standard Hardware 18x24	18” x 24” (457 x 610)	96 (44)
UMC-464-5-SS HDWR*	03800-100B*	Premium Hardware 18x24 Stainless Stee	18" x 24" (457 x 610)	106 (48)
UMC-464-5-SS*	03800-100C*	All Stainless Steel 18x24 Stainless Steel Hardware	18" x 24" (457 x 610)	106 (48)







*ABS Certified

Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel

Model Number	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	1-Cover	2-Coaming	3-Dog Handle	4-Tumble Bolt	5-Gasket	6-Bolt	7-Nut	Flame Screen
UMC-174-5	01240-110A	23.06” (586)	15.06” (383)	5” (127)	01240-103A (ST)	01240-220A (ST)	01240-302A (ST)	01240-207A (BR)	01241-702A (NR)	5/8-11 x 2-1/4 (ZP)	5/8-11 (ZP)	01240-215A (SS)
MC-174-5-SS HDWR	01240-110B	23.06” (586)	15.06” (383)	5” (127)	01240-103A (ST)	01240-220A (ST)	01240-302C (SS)	01240-207B (SS)	01241-702A (NR)	5/8-11 x 2-1/4 (SS)	5/8-11 (SS)	01240-215A (SS)
UMC-174-5-SS	01240-110C	23.06” (586)	15.06” (383)	5” (127)	01240-103S (SS)	01240-220B (SS)	01240-302C (SS)	01240-207B (SS)	01241-702A (NR)	5/8-11 x 2-1/4 (SS)	5/8-11 (SS)	01240-215A (SS)
UMC-464-5*	03800-100A*	24.35” (617)	18.31” (465)	5” (127)	05980-101A-R (ST)	03800-230A (ST)	01240-302A (ST)	01240-201A (BR)	03800-701A (NR)	5/8-11 x 2-1/4 (ZP)	5/8-11 (ZP)	03800-215A (SS)
UMC-464-5-SS HDWR*	03800-100B*	24.35” (617)	18.31” (465)	5” (127)	05980-101A-R (ST)	03800-230A (ST)	01240-302C (SS)	01240-207B (SS)	03800-701A (NR)	5/8-11 x 2-1/4 (SS)	5/8-11 (SS)	03800-215A (SS)
UMC-464-5-SS*	03800-100C*	24.35” (617)	18.31” (465)	5” (127)	05980-101S-R (SS)	03800-230B (SS)	01240-302C (SS)	01240-207B (SS)	03800-701A (NR)	5/8-11 x 2-1/4 (SS)	5/8-11 (SS)	03800-215A (SS)

4-Dog Round

UMC-343-5

Raised watertight hatches are strong and secure enclosures designed to be easily accessed when needed. They are universally used on all types of commercial vessels from tank barges, hopper barges, box barges and push-boats to OSVs and larger commercial vessels. Their simple design and quality steel construction help them meet long range trouble-free service requirements in the harshest environments.



Features

- Gasket - Nitrile Rubber
- Removable Hinge Pins
- Available with 12” Coaming & 24” Coaming
- All of our raised watertight hatches meet ABS (American Bureau of Shipping) requirements for design and materials.

Raised watertight hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting.

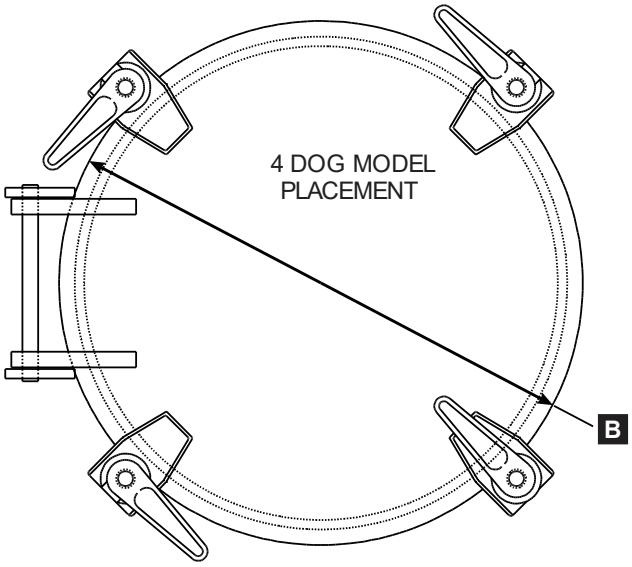
Model Number	Part Number	Description	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)
UMC-343-5	01230-110A	Raised 4 Dog 19" Round Standard Hardware	19" (483)	92 (42)
UMC-343-5-SS HDWR	01230-110B	Raised 4 Dog 19" Round Premium Hardware	19" (483)	92 (42)
UMC-343-5-SS	01230-110C	All Stainless Steel Material Stainless Steel Hardware	19” (483)	92 (42)

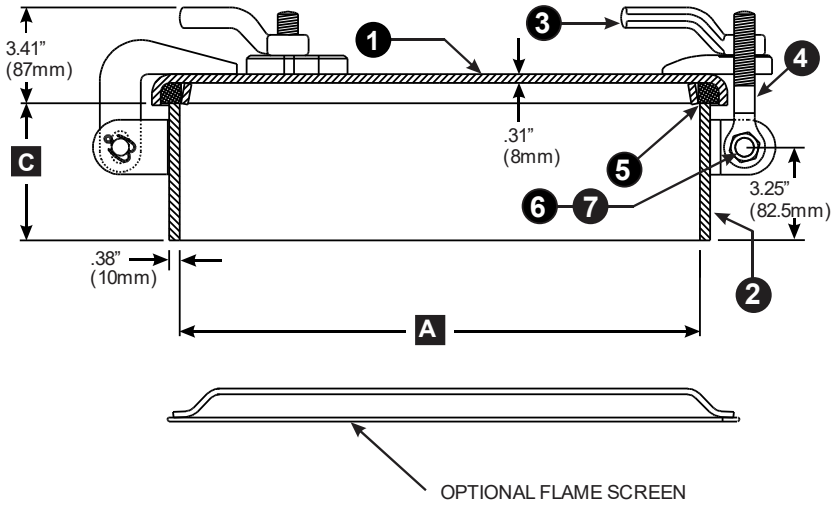
Steel (ASTM A36)
Painted Primer Grey

Other gasket material available upon request.
Various hardware options available:
- Standard hardware Bronze Tumble-Bolt, Steel Dog Handle.
- Premium Hardware: Stianless Steel Tumble Bolts, Stainless Steel Dog handles
- Lug Bolts and nuts made from dissimilar metals to prevent galling and corrosion.

Flame screens available upon request (sold separately).







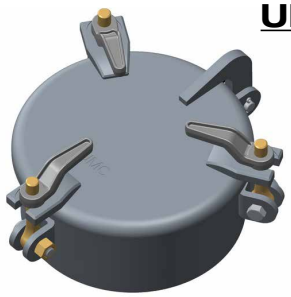
Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel

Model Number	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	1-Cover	2-Coaming	3-Dog Handle	4-Tumble Bolt	5-Gasket	6-Bolt	7-Nut	Flame Screen
UMC-343-5	01230-110A	19" (483)	21" (533)	5" (127)	01231-101A-R (ST)	01230-220A (ST)	01240-302A (ST)	01240-207A (ST)	01241-701A (NR)	5/8-11 x 2-1/4 (ZP)	5/8-11 (ZP)	
UMC-343-5-SS HDWR	01230-110B	19” (483)	21” (533)	5” (127)	01231-101A-R (ST)	01230-220A (ST)	01240-302C (SS)	01240-207B (SS	01241-701A (NR)	5/8-11 x 2-1/4 (SS)	5/8-11 (SS)	
UMC-343-5-SS	01230-110C	19" (483)	21" (533)	5" (127)	01231-101S-R (SS)	01230-220B (SS)	01240-302C (SS)	01240-207B (SS)	01241-701A (NR)	5/8-11 x 2-1/4 (SS)	5/8-11 (SS)	

3-Dog Round

UMC-456-5

Raised watertight hatches are strong and secure enclosures designed to be easily accessed when needed. They are universally used on all types of commercial vessels from tank barges, hopper barges, box barges and push-boats to OSVs and larger commercial vessels. Their simple design and quality steel construction help them meet long range trouble-free service requirements in the harshest environments.

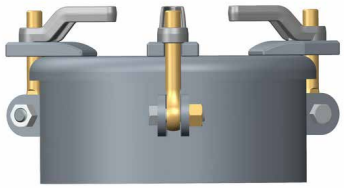


Features

- Tumble Bolt - Bronze
- Dog Handle - Steel
- Bolt 5/8-11 - Zinc Plated Steel
- Nut 5/8-11 - Stainless Steel
- Gasket - Nitrile Rubber
- All of our raised watertight hatches meet ABS (American Bureau of Shipping) requirements for design and materials.

Model Number	Part Number	Description	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)
UMC-456-5	03410-101A	Raised 3 Dog 12" Round Watertight Hatch	12" (305)	52 (24)

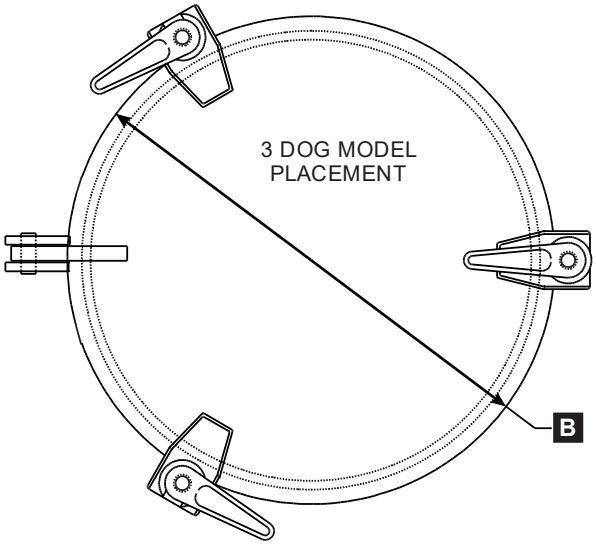
Raised watertight hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting.

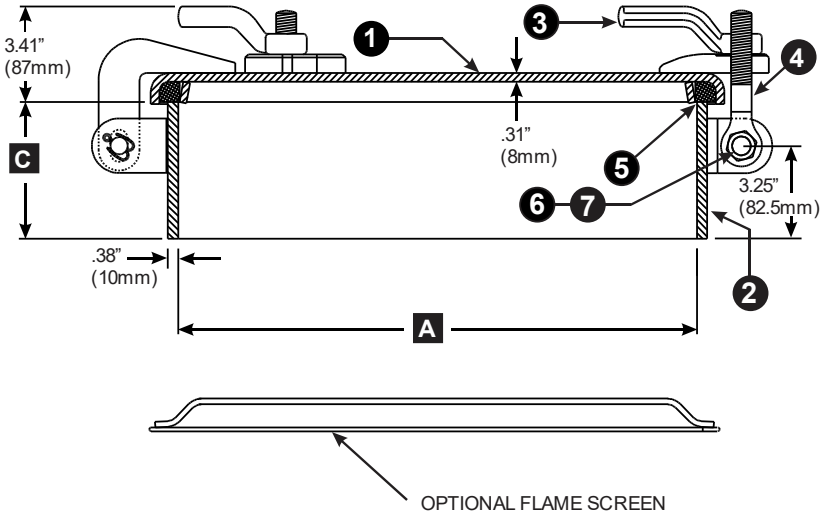


Steel (ASTM A36)
Painted Primer Grey

Custom coaming heights available upon request.
Other gasket material available upon request.
Various hardware options available:
- Steel, Stainless Steel, & Bronze Dog Handles (available with or without grease fittings).
- Bronze & Stainless Steel Tumble Bolts.
- Lug Bolts and nuts made from dissimilar metals to prevent galling and corrosion.

Flame screens available upon request (sold separately).





Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel

Model Number	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	1-Cover	2-Coaming	3-Dog Handle	4-Tumble Bolt	5-Gasket	6-Bolt	7-Nut	Flame Screen
UMC-456-5	03410-101A	12" (305)	13.75" (349)	5" (127)	03410-203A (ST)	03410-201A (ST)	01240-301A (ST)	01240-201A (BR)	03410-701A (NR)	5/8-11 x 2-1/4 (ZP)	5/8-11 (ZP)	03410-210A (SS)

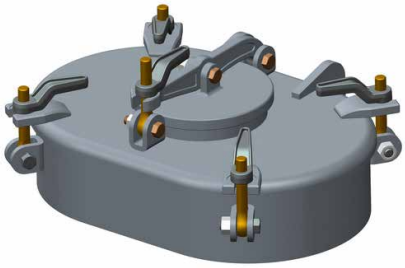
4-Dog Oval + Ullage

UMC-174-5 / 144

Raised watertight hatches are strong and secure enclosures designed to be easily accessed when needed. They are universally used on all types of commercial vessels from tank barges, hopper barges, box barges and push-boats to OSVs and larger commercial vessels. Their simple design and quality steel construction help them meet long range trouble-free service requirements in the harshest environments.

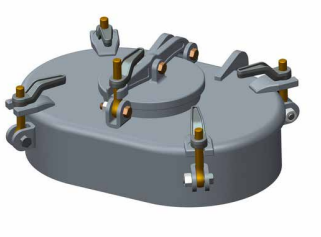
Features

- Tumble Bolt - Bronze
- Dog Handle - Steel
- Bolt 5/8-11 - Zinc Plated Steel
- Nut 5/8-11 - Stainless Steel
- Gasket - Nitrile Rubber
- All of our raised watertight hatches meet ABS (American Bureau of Shipping) requirements for design and materials.



Model Number	Part Number	Description	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)
UMC-174-5 / 144	01240-115E	Raised 4 Dog 15X23 Watertight Hatch + 8" Ullage	15" x 23" (380 x 584) Ullage: 7" (178)	117 (53)

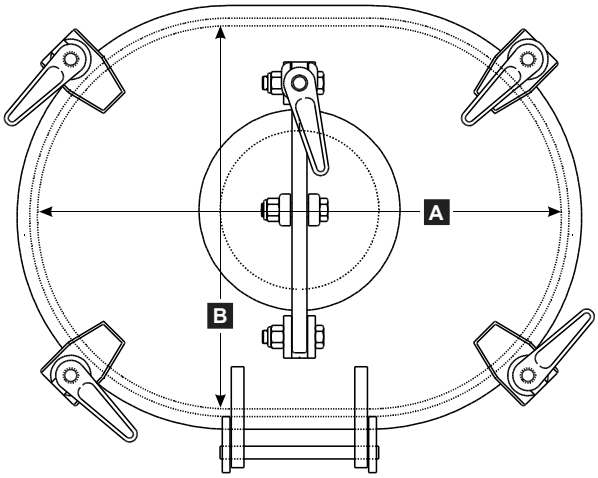
Raised watertight hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting. Raised watertight hatches that feature a ullage hatch are also commonly used on tank barges where the ullage is used as a vent or an inspection port to measure or verify cargo.

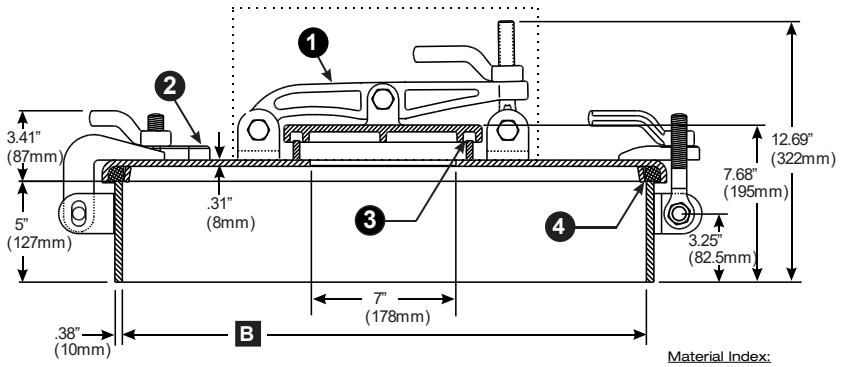


Steel (ASTM A36)
Painted Primer Grey

Custom coaming heights available upon request.
Other gasket material available upon request.
Various hardware options available:
- Steel, Stainless Steel, & Bronze Dog Handles (available with or without grease fittings).
- Bronze & Stainless Steel Tumble Bolts.
- Lug Bolts and nuts made from dissimilar metals to prevent galling and corrosion.

Flame screens available upon request (sold separately).





Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel

Model Number	Part Number	A in. (mm)	B in. (mm)	1-Ullage	2-Hatch	3-Ullage Gasket	4-Hatch Gasket	Flame Screen
UMC-174-5 / 144	01240-115E	15.06" (383)	23.06" (586)	01242-102E (ST) See UMC-144 for Parts and Dimensions	01240-112E (ST) See UMC-174-5 for Parts and Dimensions	01242-701B (NR)	01241-701B (NR)	Ullage: 01242-203A (SS) Hatch: 01240-215A (SS)

4-Dog Oval + Ullage & Hasp

UMC-464-5 / 144

Raised watertight hatches are strong and secure enclosures designed to be easily accessed when needed. They are universally used on all types of commercial vessels from tank barges, hopper barges, box barges and push-boats to OSVs and larger commercial vessels. Their simple design and quality steel construction help them meet long range trouble-free service requirements in the harshest environments.

Features

- Tumble Bolt - Bronze
- Dog Handle - Steel with Zerk
- Bolt 5/8-11 - Zinc Plated Steel
- Nut 5/8-11 - Stainless Steel
- Gasket - Nitrile Rubber
- All of our raised watertight hatches meet ABS (American Bureau of Shipping) requirements for design and materials.



Raised watertight hatches are typically found along the gunnels of a barge as well as on the bow/ stern and on top of cargo compartments or tanks. They are used to access wing tanks, the rake compartment, cargo compartments etc. for venting, filling, and inspecting. Raised watertight hatches that feature a ullage hatch are also commonly used on tank barges where the ullage is used as a vent or an inspection port to measure or verify cargo.

Model Number	Description	Part Number	Clear Opening In. (mm)	Weight Total Lbs (Kgs.)
UMC-464-5 / 144	Raised 4 Dog 18x24 Watertight Hatch + 8" Ullage & Hasp	03800-130J	18" x 24" (457 x 609) Ullage: 7" (178)	128 (58)
UMC-464-5-SS / 144-SS	Raised 4 Dog 18x24 Watertight Hatch + 8" Ullage & Hasp (Stainless Steel)	03800-105S	18" x 24" (457 x 609) Ullage: 7" (178)	128 (58)



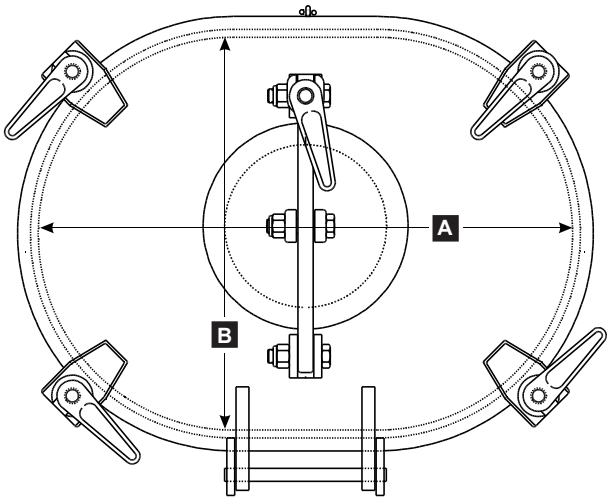


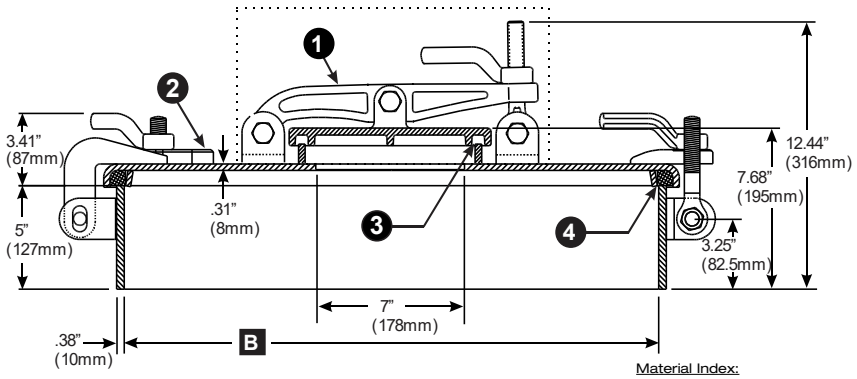


Steel (ASTM A36)
Painted Primer Grey

Custom coaming heights available upon request.
Other gasket material available upon request.
Various hardware options available:
- Steel, Stainless Steel, & Bronze Dog Handles (available with or without grease fittings).
- Bronze & Stainless Steel Tumble Bolts.
- Lug Bolts and nuts made from dissimilar metals to prevent galling and corrosion.

Flame screens available upon request (sold separately).





Material Index:
(ST) Steel
(SS) Stainless Steel
(BR) Bronze / Brass
(NR) Nitrile Rubber
(ZP) Zinc Plated Steel

Model Number	Part Number	A in. (mm)	B in. (mm)	1-Ullage	2-Hatch	3-Ullage Gasket	4-Hatch Gasket	Flame Screen
UMC-464-5 / 144	03800-130J	18.31" (465)	24.31" (617)	01242-102K (ST) See UMC-144 for parts and Dimensions	03800-102K (ST) See UMC-464-5 for parts and Dimensions	01242-701A (NR)	03800-701A (NR)	
UMC-464-5-SS / 144-SS	03800-105S	18.31" (465)	24.31" (617)	01242-102S (SS) See UMC-144-SS for parts and Dimensions	03800-101S (SS) See UMC-464-5-SS for parts and Dimensions	01242-701A (NR)	03800-701A (NR)	

UMC Stainless Steel

LIMITED-TIME OFFER

Special discounted pricing available on our:

Stainless-Steel Fixed Chock

Stainless-Steel Hatches

contact us for details

Stainless Steel Fixed Chock

UMC-460-3 P/N 08373-390A

The UMC-460-3 is a robust, polished stainless-steel fixed chock suited for marine mooring operations with 65 ton capacity. It ensures safe and effective handling of large mooring lines while minimizing chafe. Made of 100% A304 stainless steel, engineered for durability and corrosion resistance in harsh sea environments.



Stainless Steel Hatches

A304 Stainless Steel construction - Bronze Dog Handles and Bronze Tumble-Bolts with Stainless Steel nuts and bolts.

15” x 23” 4-Dog Oval - UMC-464-5 - Stainless Steel

P/N 01240-110C 4-Dog 01241-110C 2-Dog

Availible in various coaming heights

Availabe in 2-Dog models UMC-774-5



18” x 24” 4-Dog Oval - UMC-174-5 - Stainless Steel

P/N 03800-100C

Available in various coaming heights



19” 4-Dog Round - UMC-343-5 - Stainless Steel

P/N 01230-101S

Available in various coaming heights



18” & 24” T-Bolt Hatch - Stainless Steel

UMC-430-18
P/N 01210-101S



UMC-430-24
P/N 01220-101S



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Steel Multi-Bolt Manhole Covers

BMHC15X23F - Manhole - 15" X 23" 20-Bolt & 26-Bolt - Flush Screw



Baier's complete line of multi-bolt manholes serves as a great inexpensive option for applications where frequent access is not required. Ideal for tank top covers, fuel and water tank access, inspection access to ship voids, barges, sanitary and digester tanks, clean outs and more. These watertight manholes feature simple designs and utilize high strength steel.

Features:

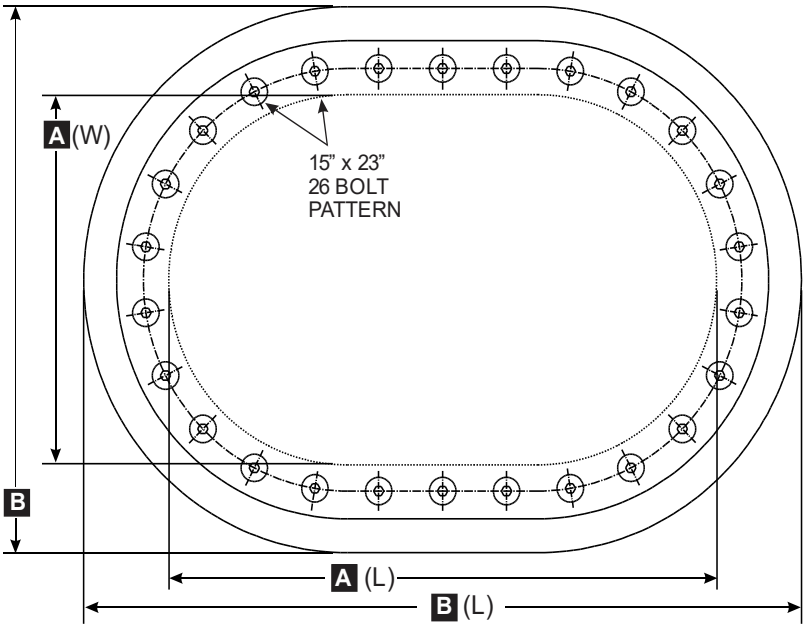
- High strength carbon steel construction
- Hardware combinations of dissimilar metal prevent galling and corrosion (Not available on all models - see Manhole Matrix for details)
- High-quality neoprene rubber gaskets ensure water tight seal (oil resistant Buna-N optional)
- Neoprene gasket material is UV resistant to prevent cracking and memory fatigue

Model Number	Description	Autocad PDF/ DXF/XML	Part Number	Clear Opening In. (mm)
BMHC15X23F	Manhole 15X23 20-Bolt, Flush	BMHC15X23F	08866-101F	15 X 23 (380 x 584)
UMC-505	Manhole 15x23 26-Bolt, Flush		02610-101A	15 x 23 (380 x 584)

All of our manholes meet the ABS (American Bureau of Shipping) requirements for design and materials

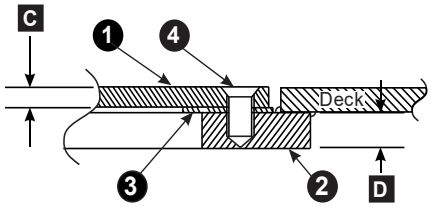
ABS Certified





BILL OF MATERIAL:BMHC15X23F		
PC.NO.	DESCRIPTION	MATERIAL
1	COVER	STEEL (PRIMED)
2	DECK RING	STEEL (PRIMED)
3	GASKET	BUNA
4	BOLT	STAINLESS STEEL
5	STUD	NA
6	WASHER	NA
7	NUT	NA
8	COAMING	STEEL (PRIMED)

EXAMPLE: FLUSH SCREW



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Manhole Product Matrix

PART NUMBER	MODEL # REFERENCE	STYLE	BOLT THREAD	BOLT LENGTH	OPENING W x L (IN)	OVERALL W x L (IN)	C (IN)	D (IN)	E (IN)	WGHT (LBS)	BOLT/ STUD	NUT	WASHER	GASKET	HNDL Y/N
15" x 23"	**20 Bolt Flush**														
BMHC15X23F	08866-101F	FLUSH SCREW	1/2-13	.9375	15 x 23	21 x 29	.393	.787	N/A	98	SS			BUNA	N
15" x 23"	**26 Bolt Flush**														
02610-101A	UMC-505	FLUSH SCREW	5/8-11	1.25	15 x 23	22 x 30	.51	1.125	N/A	160	SS			BUNA	N

ZN - Zinc Plated Steel, SS - Stainless Steel, BR - Brass/Bronze

BMHC15X23S - Manhole - 15" X 23" 20-Bolt - Weld Stud



Baier's complete line of multi-bolt manholes serves as a great inexpensive option for applications where frequent access is not required. Ideal for tank top covers, fuel and water tank access, inspection access to ship voids, barges, sanitary and digester tanks, clean outs and more. These watertight manholes feature simple designs and utilize high strength steel.

Features:

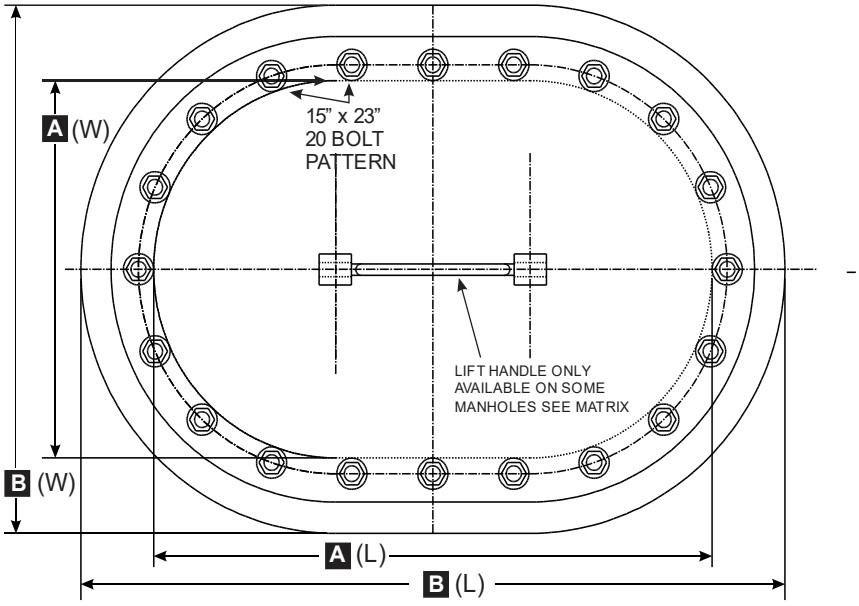
- High strength carbon steel construction
- Hardware combinations of dissimilar metal prevent galling and corrosion (Not available on all models - see Manhole Matrix for details)
- High-quality neoprene rubber gaskets ensure watertight seal (oil resistant Buna-N optional)
- Neoprene gasket material is UV resistant to prevent cracking and memory fatigue

Model Number	Description	Autocad PDF/DXF/XML	Part Number
BMHC15X23S	Manhole -15X23 20-Bolt	BMHC15X23S	08866-101S
BMHC15X23Z	Manhole -15X23 20-Bolt w/ 3" NPT Raised	BMHC15X23Z	08866-101Z
BMHC15X23H	Manhole -15X23 20-Bolt w/ 3" NPT Flush	BMHC15X23H	08866-101H

All of our manholes meet the ABS (American Bureau of Shipping) requirements for design and materials

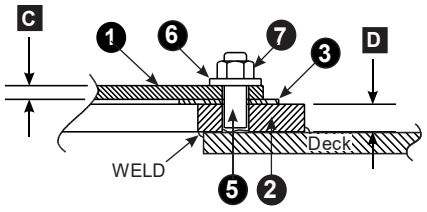
ABS Certified





BILL OF MATERIAL: BMHC15X23S		
PC.NO.	DESCRIPTION	MATERIAL
1	COVER	STEEL (PRIMED)
2	DECK RING	STEEL (PRIMED)
3	GASKET	BUNA
4	BOLT	STAINLESS STEEL
5	STUD	NA
6	WASHER	STAINLESS STEEL
7	NUT	BRONZE
8	COAMING	STEEL (PRIMED)

EXAMPLE: STUD WELD



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Manhole Product Matrix

PART NUMBER	MODEL # REFERENCE	STYLE	BOLT THREAD	BOLT LENGTH	OPENING W x L (IN)	OVERALL W x L (IN)	C (IN)	D (IN)	E (IN)	WGHT (LBS)	BOLT/ STUD	NUT	WASHER	GASKET	HNDL Y/N
15" x 23"	**20 Bolt Flush**														
BMHC15X23S	08866-101S	STUD WELD	3/4-10	2.25	15 x 23	21 x 29	.393	.787	N/A	104	SS	BR	SS	BUNA	N
15" x 23"	**w/ 3" NPT**	**20 Bolt Flush**	**3" NPT**	**PLUG**											
BMHC15X23Z	RAISED PLUG	STUD WELD	3/4-10	2.25	15 x 23	21 x 29	.393	.787	N/A	125	SS	BR	SS	BUNA	N
BMHC15X23H	FLUSH PLUG	STUD WELD	3/4-10	2.25	15 x 23	21 x 29	.393	.787	N/A	125	SS	BR	SS	BUNA	N

ZN - Zinc Plated Steel, SS - Stainless Steel, BR - Brass/Bronze

BMHC15X23BS_BAIER - Manhole - 15" X 23" 20-Bolt - Weld Bolt



Baier's complete line of multi-bolt manholes serves as a great inexpensive option for applications where frequent access is not required. Ideal for tank top covers, fuel and water tank access, inspection access to ship voids, barges, sanitary and digester tanks, clean outs and more. These watertight manholes feature simple designs and utilize high strength steel.

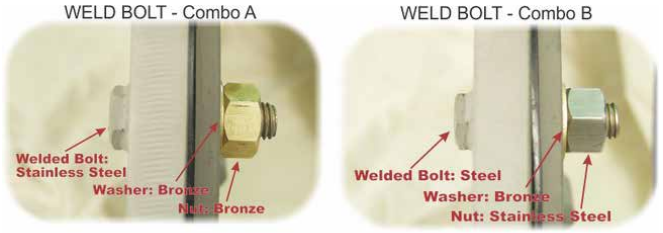
Features:

- High strength carbon steel construction
- Hardware combinations of dissimilar metal prevent galling and corrosion (Not available on all models - see Manhole Matrix for details)
- High-quality neoprene rubber gaskets ensure watertight seal (oil resistant Buna-N optional)
- Neoprene gasket material is UV resistant to prevent cracking and memory fatigue

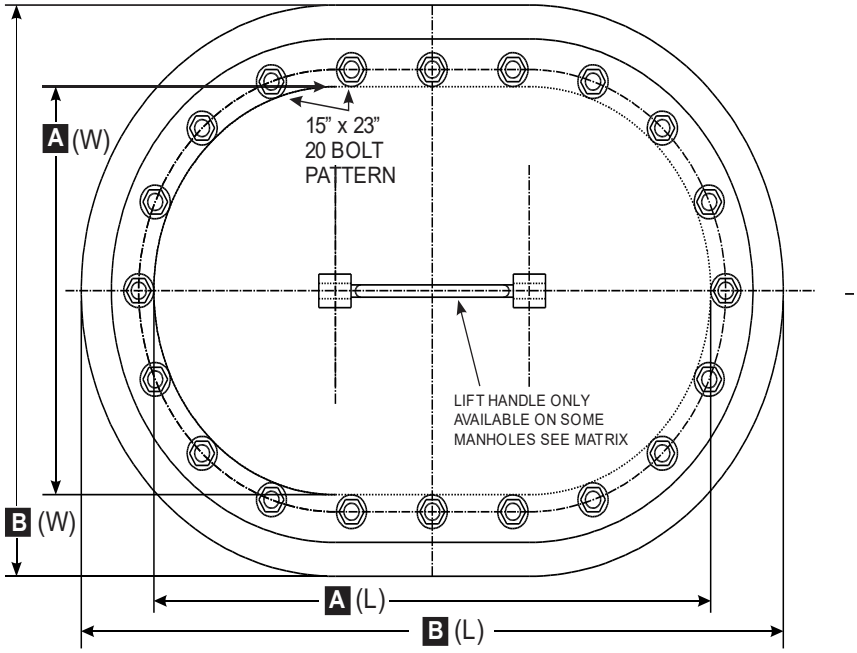
Model Number	Description	Autocad PDF/ DXF/XML	Part Number	Clear Opening In. (mm)
UMC-503-SS	Manhole - 15x23 Weld Bolt, Flush SS Hardware	BMHC15X23BS	02590-105A	15 X 23 (380 x 584)
UMC-503	Manhole - 15x23 20-Bolt, Flush	02590-101A_ CUTOUT	02590-101A	15 x 23 (380 x 584)

ABS Certified

All of our manholes meet the ABS (American Bureau of Shipping) requirements for design and materials

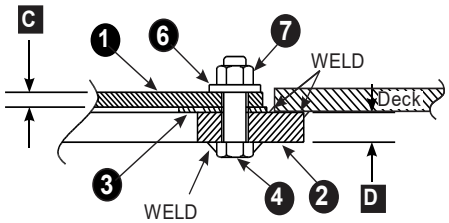


BMHC15X23BS BMHC15X23BZ



BILL OF MATERIAL:BMHC15X23BS		
PC.NO.	DESCRIPTION	MATERIAL
1	COVER	STEEL (PRIMED)
2	DECK RING	STEEL (PRIMED)
3	GASKET	BUNA
4	BOLT	NA
5	STUD	STAINLESS STEEL
6	WASHER	BRONZE
7	NUT	SEE MATRIX
8	COAMING	STEEL (PRIMED)

EXAMPLE: WELD BOLT



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Manhole Product Matrix

PART NUMBER	MODEL # REFERENCE	STYLE	BOLT THREAD	BOLT LENGTH	OPENING W x L (IN)	OVERALL W x L (IN)	C (IN)	D (IN)	E (IN)	WGHT (LBS)	BOLT/ STUD	NUT	WASHER	GASKET	HNDL Y/N
15" x 23"	**20 Bolt Flush**														
02590-101A	UMC-503	WELD BOLT	5/8-11	2.25	15 x 23	21 x 29	.393	.787	N/A	95	ZN	SS	BR	BUNA	Y
02590-105A	UMC-503-SS	WELD BOLT	5/8-11	2.25	15 x 23	21 x 29	.393	.787	N/A	95	SS	BR	BR	BUNA	Y

ZN - Zinc Plated Steel, SS - Stainless Steel, BR - Brass/Bronze

BMHC15X23X2_5BZ - Manhole - 15" X 23" Raised Coaming



Baier's complete line of multi-bolt manholes serves as a great inexpensive option for applications where frequent access is not required. Ideal for tank top covers, fuel and water tank access, inspection access to ship voids, barges, sanitary and digester tanks, clean outs and more. These watertight manholes feature simple designs and utilize high strength steel.

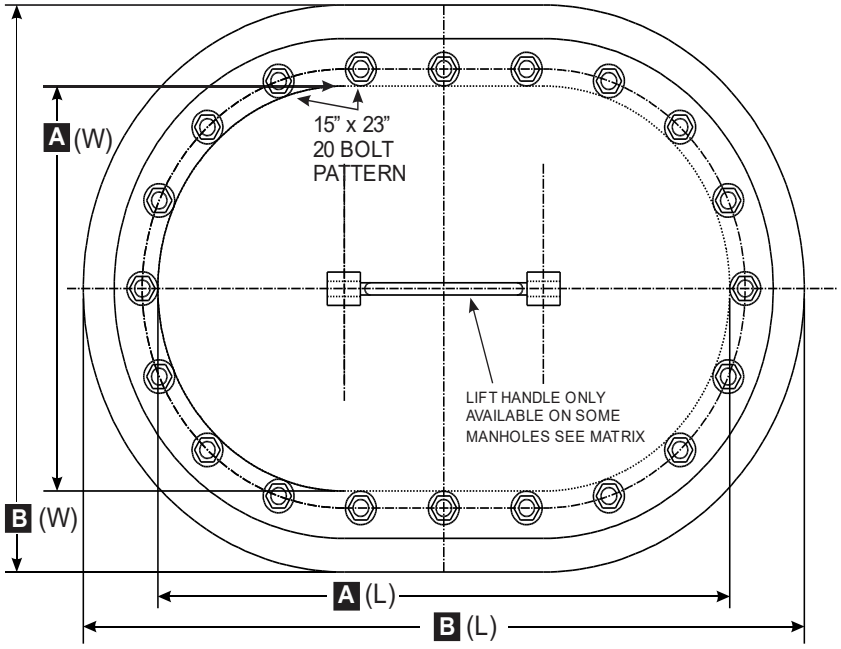
Features:

- High strength carbon steel construction
- Hardware combinations of dissimilar metal prevent galling and corrosion (Not available on all models - see Manhole Matrix for details)
- High-quality neoprene rubber gaskets ensure water tight seal (oil restant Buna-N Optional)
- Neoprene Gasket material is UV resistant to prevent cracking and memory fatigue

Model Number	Description	Autocad PDF/DXF/ XML	Part Number	Clear Opening In. (mm)
UMC-501	Raised 15x23 20-Bolt Manhole w/ 2.5" Coaming	02570-101A_CUTOUT	02570-101A	15 x 23 (380 x 584)
BMHC15X23X4BS	Manhole - 15x23 4" Raised Coaming		02570-105A	15" X 23"

All of our manholes meet the ABS (American Bureau of Shipping) requirements for design and materials

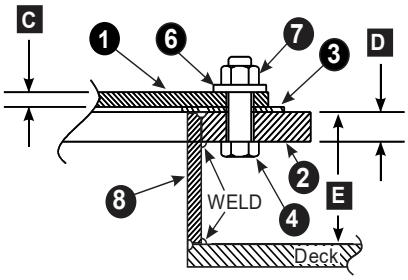
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BILL OF MATERIAL: BMHC15X23X2_5BZ

PC.NO.	DESCRIPTION	MATERIAL
1	COVER	STEEL (PRIMED)
2	DECK RING	STEEL (PRIMED)
3	GASKET	BUNA
4	BOLT	SEE MATRIX
5	STUD	NA
6	WASHER	SEE MATRIX
7	NUT	BRONZE
8	COAMING	STEEL (PRIMED)

EXAMPLE: NON WELD



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Manhole Product Matrix

PART NUMBER	MODEL # REFERENCE	STYLE	BOLT THREAD	BOLT LENGTH	OPENING W x L (IN)	OVERALL W x L (IN)	C (IN)	D (IN)	E (IN)	WGHT (LBS)	BOLT/ STUD	NUT	WASH ER	GASK ET	HNDL Y/N
15" x 23"	**20 Bolt Raised**														
02570-101A	UMC-501	NON WELD	5/8-11	1.75	15 x 23	20 x 28	.393	.375	2.5	85	ZN	SS	BR	BUNA	N
02570-105A		NON WELD	5/8-11	1.75	15 x 23	20 x 28	.393	.375	2.5	95	SS	BR	BR	BUNA	N

ZN - Zinc Plated Steel, SS - Stainless Steel, BR - Brass/Bronze

BMHC18X24BZ - Manhole - 18" X 24" 24-Bolt - Weld Bolt



Baier's complete line of multi-bolt manholes serves as a great inexpensive option for applications where frequent access is not required. Ideal for tank top covers, fuel and water tank access, inspection access to ship voids, barges, sanitary and digester tanks, clean outs and more. These watertight manholes feature simple designs and utilize high strength steel.

Features:

- High strength carbon steel construction
- Hardware combinations of dissimilar metal prevent galling and corrosion (Not available on all models - see Manhole Matrix for details)
- High-quality neoprene rubber gaskets ensure watertight seal (oil resistant Buna-N optional)
- Neoprene gasket material is UV resistant to prevent cracking and memory fatigue

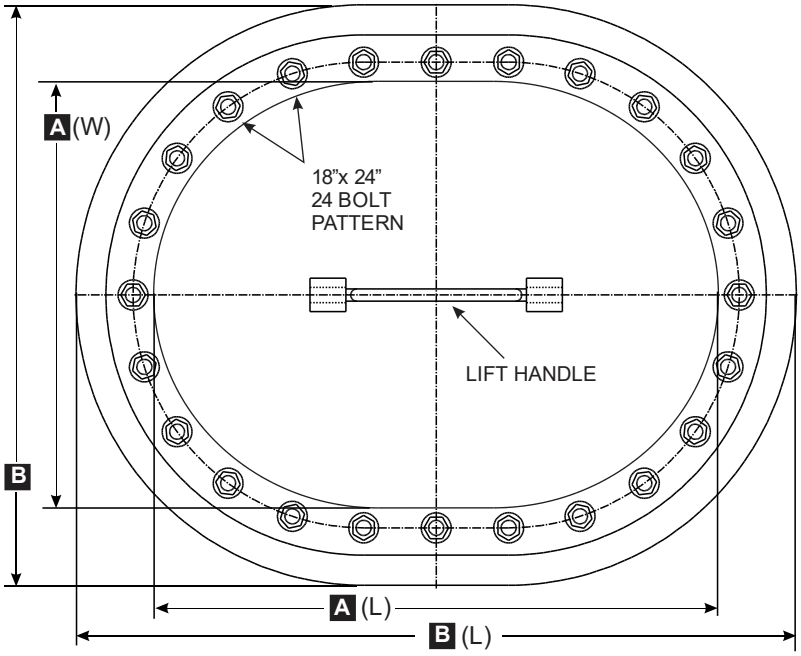
Model Number	Description	Autocad PDF/DXF/ XML	Part Number	Cutout Dimension in. (mm)
UMC-504	Flush 18x24 24-Bolt Manhole	02600-101A_CUTOUT	BMHC15X23BZ	

All of our manholes meet the ABS (American Bureau of Shipping) requirements for design and materials

ABS Certified

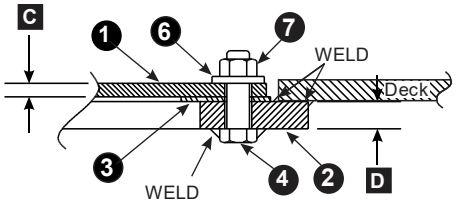


BMHC18X24BZ 02600-101A



BILL OF MATERIAL: BMHC18X24BZ		
PC.NO.	DESCRIPTION	MATERIAL
1	COVER	STEEL (PRIMED)
2	DECK RING	STEEL (PRIMED)
3	GASKET	BUNA
4	BOLT	ZINC PLATED STEEL
5	STUD	NA
6	WASHER	BRONZE
7	NUT	SEE MATRIX
8	COAMING	STEEL (PRIMED)

EXAMPLE: WELD BOLT



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Manhole Product Matrix

PART NUMBER	MODEL # REFERENCE	STYLE	BOLT THREAD	BOLT LENGTH	OPENING W x L (IN)	OVERALL W x L (IN)	C (IN)	D (IN)	E (IN)	WGHT (LBS)	BOLT/ STUD	NUT	WASHER	GASKET	HNDL Y/N
18" x 24"	**24 Bolt Flush**														
02600-101A	UMC-504	WELD BOLT	5/8-11	2.25	18 x 24	24 x 30	.393	.787	N/A	112	ZN	ZN	BR	BUNA	Y

ZN - Zinc Plated Steel, SS - Stainless Steel, BR - Brass/Bronze

BMHC18X242_5BZ
Raised 18 x 24 24-Bolt Manhole



Baier's complete line of multi-bolt manholes serve as a great option for applications where frequent access to a compartment is not required. These manholes feature simple designs, utilize high strength steel and are available in different configurations and hardware combinations to meet your requirements.

Features

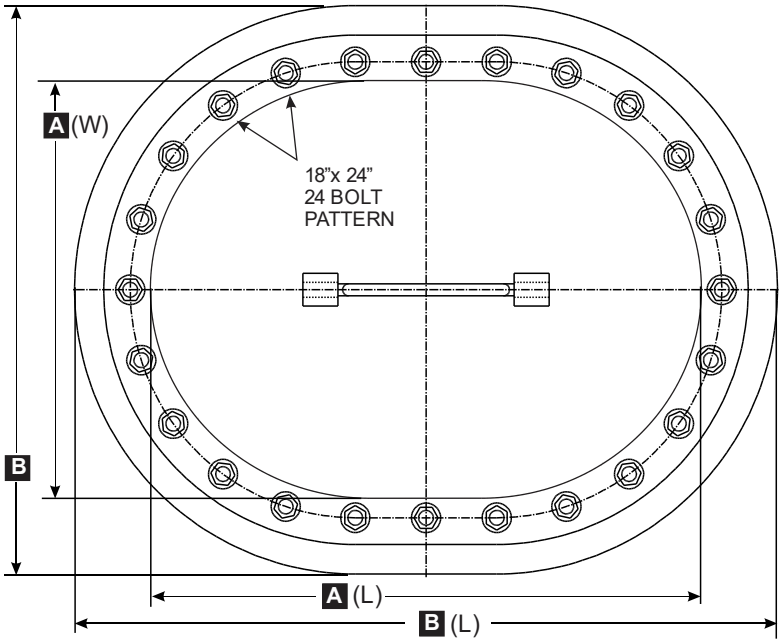
- Hex Head Bolt - Zinc Plated Steel
- Hex Nut - Stainless Steel
- Washer - Brass
- Gasket - Nitrile Rubber

Model Number	Description	Part Number	Autocad PDF/DXF/ XML	Clear Opening In. (mm)
UMC-502	Raised 18x24 24-Bolt Manhole w/ 2.5" Coaming	02580-101A	02580-101A_CUTOUT	18 x 24 (457 x 610)

Steel (ASTM A36)
Painted Primer Grey

Various hardware options available upon request.
High-quality UV resistant BUNA-N Rubber gaskets ensure a water tight seal resistant to cracking and memory fatigue.
Meets ABS (American Bureau of Shipping) requirements for design and materials.

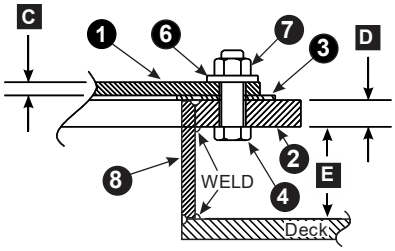
ABS Certified



BILL OF MATERIAL: BMHC18X24X2.5BZ

PC.NO.	DESCRIPTION	MATERIAL
1	COVER	STEEL (PRIMED)
2	DECK RING	STEEL (PRIMED)
3	GASKET	BUNA
4	BOLT	ZINC PLATED STEEL
5	STUD	NA
6	WASHER	BRONZE
7	NUT	SEE MATRIX
8	COAMING	STEEL (PRIMED)

EXAMPLE: NON-WELD



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Manhole Product Matrix

PART NUMBER	MODEL # REFERENCE	STYLE	BOLT THREAD	BOLT LENGTH	OPENING W x L (IN)	OVERALL W x L (IN)	C (IN)	D (IN)	E (IN)	WGHT (LBS)	BOLT/ STUD	NUT	WASHER	GASKET	HNDL Y/N
18" x 24"	**24 Bolt Raised**														
02580-101A	UMC-502	NON-WELD	5/8-11	1.75	18 x 24	23 x 29	.393	.375	2.5	106	ZN	SS	BR	BUNA	N

ZN - Zinc Plated Steel, SS - Stainless Steel, BR - Brass/Bronze

BMHC_BAIER - Clean-Out Hatch - Round 14" &18" Raised Coaming

The round manholes are also sometimes referred to as clean-out hatches.



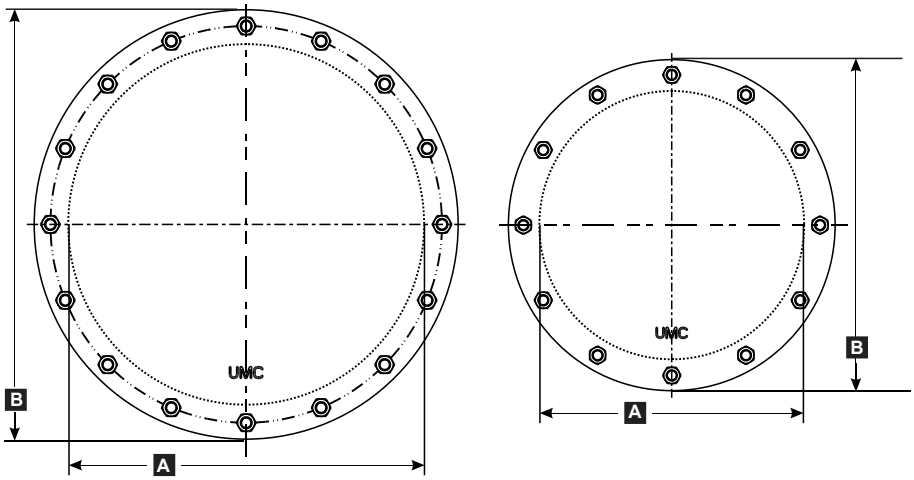
Baier's complete line of multi-bolt manholes serves as a great inexpensive option for applications where frequent access is not required. Ideal for tank top covers, fuel and water tank access, inspection access to ship voids, barges, sanitary and digester tanks, clean outs and more. These watertight manholes feature simple designs and utilize high strength steel.

Features:

- High strength carbon steel construction
  Hardware combinations of dissimilar metal prevent galling and corrosion (Not available on all models - see Manhole Matrix for details)
  High-quality neoprene rubber gaskets ensure watertight seal (oil restant Buna-N Optional)
  Neoprene Gasket material is UV resistant to prevent cracking and memory fatigue
-

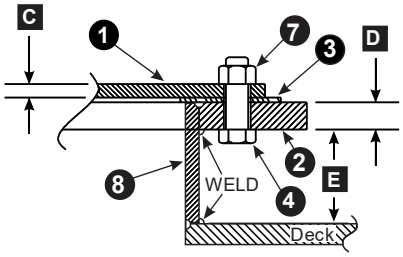
Model Number	Description	Autocad PDF/ DXF/XML	Part Number	Clear Opening In. (mm)
UMC-154-18	Raised 18'" Round Clean-Out Hatch		08450-101A	18 (457)
UMC-154-18-SS	Raised 18" Round Clean-Out Hatch SS		08450-102B	18 (457)
UMC-154-14	Raised 14" Round Clean-Out Hatch		08451-101A	14 (357)
UMC-154-14-SS	Raised 14" Round Clean-Out Hatch SS		08451-102B	14 (357)

All of our manholes meet the ABS (American Bureau of Shipping) requirements for design and materials



BILL OF MATERIAL: BMHC14_18

PC.NO.	DESCRIPTION	MATERIAL
1	COVER	STEEL (PRIMED)
2	DECK RING	STEEL (PRIMED)
3	GASKET	BUNA
4	BOLT	SEE MATRIX
5	STUD	NA
6	WASHER	SEE MATRIX
7	NUT	BRONZE
8	COAMING	STEEL (PRIMED)



Manhole Product Matrix

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

PART NUMBER	MODEL # REFERENCE	STYLE	BOLT THREAD	BOLT LENGTH	OPENING W x L (IN)	OVERALL W x L (IN)	C (IN)	D (IN)	E (IN)	WGHT (LBS)	BOLT/ STUD	NUT	WASHER	GASKET	HNDL Y/N
18" Round	**Raised**														
08450-101A	UMC-154-18	NON WELD	5/8-11	2	18 x 18	23 x 23	.393	.393	2.5	78	ZN	BR		BUNA	N
08450-102B	UMC-154-18	NON WELD	5/8-11	2	18 x 18	23 x 23	.393	.393	2.5	78	SS	SS		NONE	N
14" Round	**Raised**														
08451-101A	UMC-154-14	NON WELD	5/8-11	2	14 x 14	19 x 19	.393	.393	2.5	55	ZN	BR		BUNA	N
08451-102B	UMC-154-14	NON WELD	5/8-11	2	14 x 14	19 x 19	.393	.393	2.5	55	SS	SS		BUNA	N

ZN - Zinc Plated Steel, SS - Stainless Steel, BR - Brass/Bronze

BMHC10U - Clean-Out Hatch - Round 10" Weld Bolt



The round manholes are also sometimes referred to as clean-out hatches.

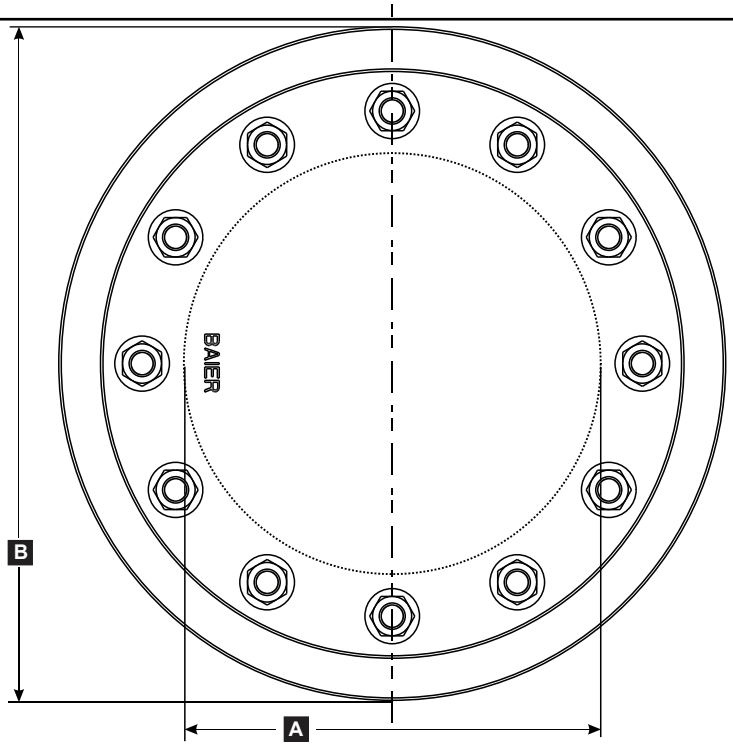
Baier's complete line of multi-bolt manholes serves as a great inexpensive option for applications where frequent access is not required. Ideal for tank top covers, fuel and water tank access, inspection access to ship voids, barges, sanitary and digester tanks, clean outs and more. These watertight manholes feature simple designs and utilize high strength steel.

Features:

- High strength carbon steel construction
- Hardware combinations of dissimilar metal prevent galling and corrosion (Not available on all models - see Manhole Matrix for details)
- High-quality neoprene rubber gaskets ensure watertight seal (oil restant Buna-N optional)
- Neoprene gasket material is UV resistant to prevent cracking and memory fatigue

Model Number	Description	Autocad PDF/DXF/ XML	Part Number	Clear Opening In. (mm)
08866-110A	Clean-Out Hatch - Round 10"		08866-110A	10

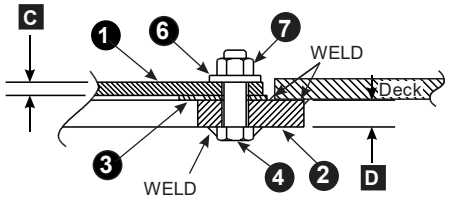
All of our manholes meet the ABS (American Bureau of Shipping) requirements for design and materials



BILL OF MATERIAL: BMHC10

PC.NO.	DESCRIPTION	MATERIAL
1	COVER	STEEL (PRIMED)
2	DECK RING	STEEL (PRIMED)
3	GASKET	BUNA
4	BOLT	STAINLESS STEEL
5	STUD	NA
6	WASHER	STAINLESS STEEL
7	NUT	BRONZE
8	COAMING	STEEL (PRIMED)

EXAMPLE: WELD BOLT



Manhole Product Matrix

PART NUMBER	MODEL # REFERENCE	STYLE	BOLT THREAD	BOLT LENGTH	OPENING W x L (IN)	OVERALL W x L (IN)	C (IN)	D (IN)	E (IN)	WGHT (LBS)	BOLT/ STUD	NUT	WASHER	GASKET	HNDL Y/N
10" Round	12 Bolt Flush														
08866-110A	WELD BOLT		5/5-11	2.25	10 x 10	16 x 16	.393	.787	N/A	48	SS	BR	SS	BUNA	N

ZN - Zinc Plated Steel, SS - Stainless Steel, BR - Brass/Bronze

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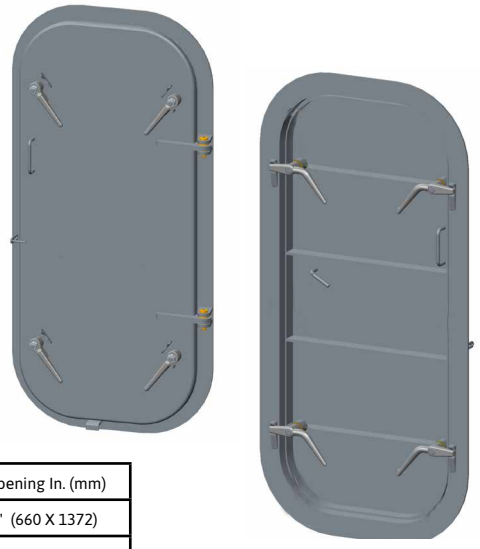


Weathertight Doors

UMC-WTD-4D - Weathertight Door - 4 Dog Style

4 Dog Weathertight doors are perfect for easy access to any compartment on your vessel above the waterline. Our doors are fabricated from high quality ¼" steel plate and feature 4 dogs. They are built to provide continuous trouble-free use. Various standard sizes are available in both right and left hand orientation.

Opening orientation can be determined by standing on the outside of the compartment with the door swinging toward you. Right-handed doors will have the hinges on the right from this perspective. Conversely, a left-handed door will have the hinges on the left.

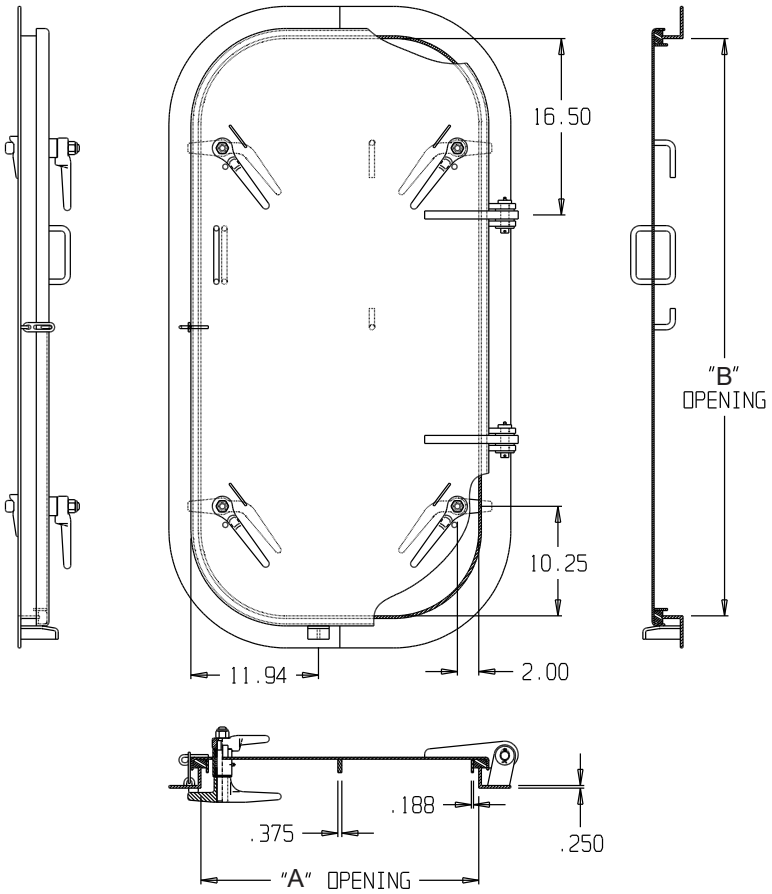


When Ordering Please Specify:
Clear Opening - 26" x 54" / 26" x 60" / 30" x 60"
Opening Orientation - Left Hand Door / Right Hand Door
Weathertight Doors are commonly found on exterior and interior bulkheads of any vessel.

Model Number	Description	Part Number	Weight Total Lbs (Kgs.)	Handeling	Clear Opening In. (mm)
UMC-WTD-4D-26x54-R	26" x 54" Opening / Right Handed	06111-101A	200 (122)	RH	26" x 54" (660 X 1372)
UMC-WTD-4D-26x54-L	26" x 54" Opening / Left Handed	06111-101B	200 (122)	LH	26" x 54" (660 X 1372)
UMC-WTD-4D-26x60-R	26" x 60" Opening / Right Handed	06111-101C	220 (131)	RH	26" x 60" (660 X 1524)
UMC-WTD-4D-26x60-L	26" x 60" Opening / Left Handed	06111-101D	220 (131)	LH	26" x 60" (660 X 1524)
UMC-WTD-4D-30x60-R	30" x 60" Opening / Right Handed	06111-101E	250 (143)	RH	30" x 60" (726 X 1524)
UMC-WTD-4D-30x60-L	30" x 60" Opening / Left Handed	06111-101F	250 (143)	LH	30" x 60" (726 X 1524)

Material: Steel (ASTM A36)
Finish: Painted Primer Grey

ABS Certified



BILL OF MATERIAL: UMC-WTD-4D

PC.NO.	DESCRIPTION	MATERIAL
1	DOOR	STEEL
2	COAMING	STEEL
3	HANDLE ASSY	MISC. SEE DETAIL
4	HINGE PIN	BRASS
5	WASHER	BRASS
6	COTTER PIN	STAINLESS STEEL
7	GASKET	NITRILE RUBBER
8	LUBE ZERK	BRASS
9	HASP	STEEL

714-437-9600 sales@umcmarine.com

WEATHERTIGHT DOOR

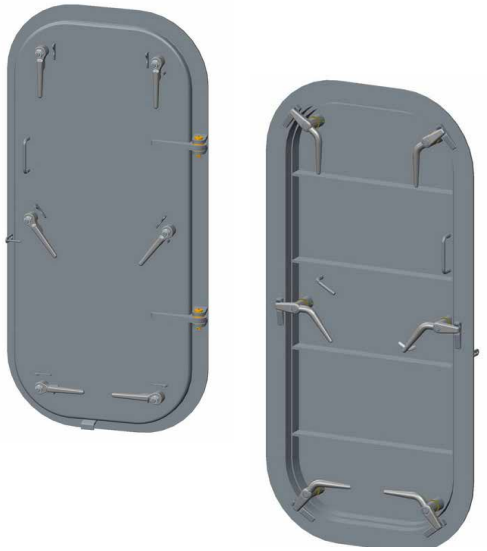
4 DOG HANDLE LH/RH OPTION
VARIOUS STANDARD SIZES
MODEL SERIES UMC-WTD-4D
PART NUMBER 06111-XXXX

DWG. NO. UMC-WTD-4D

UMC-WTD-6D - Weathertight Door - 6 dog Style

6 Dog Weathertight doors are perfect for easy access to any compartment on your vessel above the waterline. Our doors are fabricated from high quality ¼" steel plate and built to ABS and Lloyd's Specifications. These doors feature 6 dogs and are built to provide continuous trouble-free use. Various standard sizes are available in both right and left hand orientation.

Opening orientation can be determined by standing on the outside of the compartment with the door swinging toward you. Right-hand doors will have the hinges on the right from this perspective. Conversely, a left-hand door will have the hinges on the left.

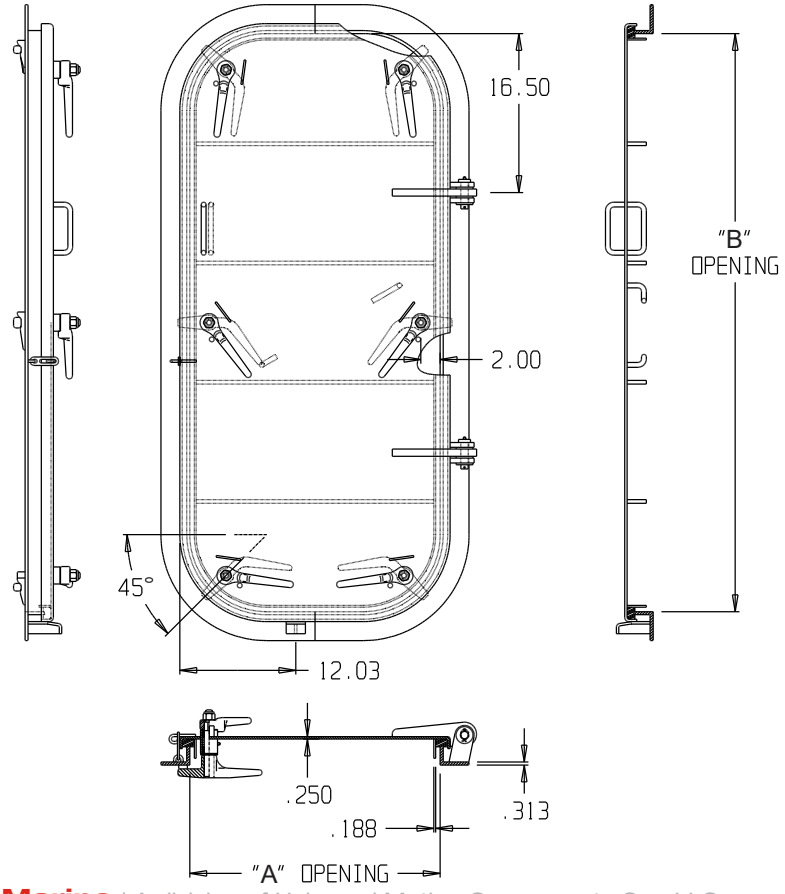


Material: Steel (ASTM A36)
Finish: Painted Primer Grey

ABS Certified

When Ordering Please Specify:
Clear Opening - 26" x 54" / 26" x 60" / 30" x 60"
Opening Orientation - Left Hand Door / Right Hand Door
Weathertight Doors are commonly found on exterior and interior bulkheads of any vessel.

Model Number	Description	Part Number	Weight Total		Clear_Opening
UMC-WTD-6D-26x60-R	26" x 60" Opening / Right Handed	06121-101C	270	RH	26" x 60"
UMC-WTD-6D-26x60-L	26" x 60" Opening / Left Handed	06121-101D	270	LH	26" x 60"
UMC-WTD-6D-30x60-R	30" x 60" Opening / Right Handed	06121-101E	300	RH	30" x 60"
UMC-WTD-6D-30x60-L	30" x 60" Opening / Left Handed	06121-101F	300	LH	30" x 60"
UMC-WTD-6D-30x66-R	30" x 66" Opening / Right Handed	06121-101G	330	RH	30" x 66"
UMC-WTD-6D-30x66-L	30" x 66" Opening / Left Handed	06121-101H	330	LH	30" x 66"
UMC-WTD-6D-30x72-R	30" X 72" Opening / Right Handed	06121-101I	350	RH	30" x 72"
UMC-WTD-6D-30x72-L	30" X 72" Opening / Left Handed	06121-101J	350	LH	



BILL OF MATERIAL: UMC-WTD-6D

PC.NO.	DESCRIPTION	MATERIAL
1	DOOR	STEEL
2	COAMING	STEEL
3	HANDLE ASSY	MISC. SEE DETAIL
4	HINGE PIN	BRASS
5	WASHER	BRASS
6	COTTER PIN	STAINLESS STEEL
7	GASKET	NITRILE RUBBER
8	LUBE ZERK	BRASS
9	HASP	STEEL

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WEATHERTIGHT DOOR

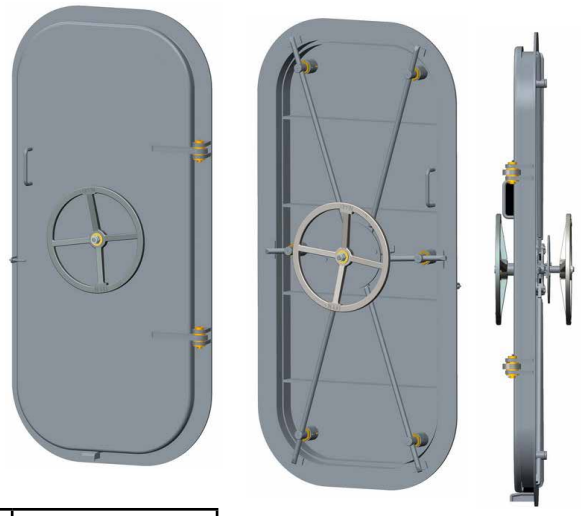
6 DOG HANDLE LH/RH OPTION
VARIOUS STANDARD SIZES
MODEL SERIES UMC-WTD-6D
PART NUMBER 06121-XXXX

DWG. NO. UMC-WTD-6D

UMC-WTD-QA - Weathertight Door - Quick Acting Style

Quick Acting Weathertight doors are perfect for quick and easy access to any compartment on your vessel above the waterline. Our doors are fabricated from high quality ¼" steel plate and built to ABS and Lloyd's Specifications. These doors feature 6 dogs and are built to provide continuous trouble-free use. Various standard sizes are available in both right and left hand orientation.

Opening orientation can be determined by standing on the outside of the compartment with the door swinging toward you. Right-hand doors will have the hinges on the right from this perspective. Conversely, a left-hand door will have the hinges on the left.

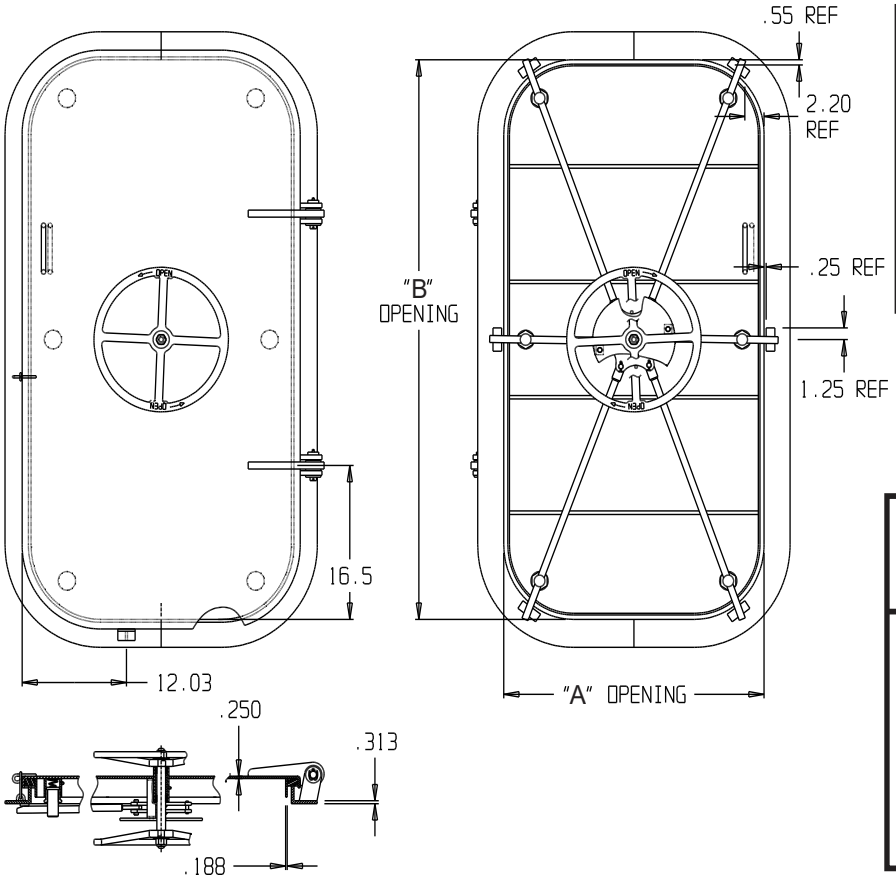


When Ordering Please Specify:
Clear Opening - 26" x 54" / 26" x 60" / 30" x 60"
Opening Orientation - Left Hand Door / Right Hand Door
Weathertight Doors are commonly found on exterior and interior bulkheads of any vessel.

Model Number	Description	Part Number	Weight Total Lbs (Kgs.)	Handeling	Clear Opening In. (mm)
UMC-WTD-QA-26x60-R	26" x 60" Opening / Right Handed	06122-101C	320 (145)	RH	26" x 60" (660 x 1524)
UMC-WTD-QA-26x60-L	26" x 60" Opening / Left Handed	06122-101D	320 (145)	LH	26" x 60" (660 x 1524)
UMC-WTD-QA-30x60-R	30" x 60" Opening / Right Handed	06122-101E	350 (159)	RH	30" x 60" (762 x 1524)
UMC-WTD-QA-30x60-L	30" x 60" Opening / Left Handed	06122-101F	350 (159)	LH	30" x 60" (762 x 1524)
UMC-WTD-QA-30x66-R	30" x 66" Opening / Right Handed	06122-101G	385 (175)	RH	30" x 66" (762 x 1676)
UMC-WTD-QA-30x66-L	30" x 66" Opening / Left Handed	06122-101H	385 (175)	LH	30" x 66" (762 x 1676)
UMC-WTD-QA-30x72-R	30" x 72" Opening / Right Handed	06122-101I	410 (186)	RH	30" x 72" (762 x 1829)
UMC-WTD-QA-30x72-L	30" x 72" Opening / Left Handed	06122-101J	410 (186)	LH	30" x 72" (762 x 1829)

Material: Steel (ASTM A36)
Finish: Painted Primer Grey

ABS Certified



BILL OF MATERIAL: UMC-WTD-QA

PC.NO.	DESCRIPTION	MATERIAL
1	DOOR	STEEL
2	COAMING	STEEL
3	HANDLE ASSY	MISC. SEE DETAIL
4	HINGE PIN	BRASS
5	WASHER	BRASS
6	COTTER PIN	STAINLESS STEEL
7	GASKET	NITRILE RUBBER
8	LUBE ZERK	BRASS
9	HASP	STEEL

714-437-9600 sales@umcmarine.com

WEATHERTIGHT DOOR

QUICK ACTING LH/RH OPTION
VARIOUS STANDARD SIZES
MODEL SERIES UMC-WTD-QA
PART NUMBER 06122-XXXX

DWG. NO. UMC-WTD-QA

UMC-WTD-LA - Weathertight Door - Lever Arm Style



Lever Arm Weathertight doors are perfect for quick and easy access to any compartment on your vessel above the waterline. Our doors are fabricated from high quality ¼" steel plate and built to ABS and Lloyd's Specifications. These doors feature 6 dogs and are built to provide continuous trouble-free use. Various standard sizes are available in both right and left hand orientation.

Opening orientation can be determined by standing on the outside of the compartment with the door swinging toward you. Right-hand doors will have the hinges on the right from this perspective. Conversely, a left-hand door will have the hinges on the left.

When Ordering Please Specify:
Clear Opening - 28" x 72" / 30" x 72"
Opening Orientation - Left Hand Door / Right Hand Door-
Weathertight Doors are commonly found on exterior and interior bulkheads of any vessel.

Steel (ASTM A36)
Painted Primer Grey

Model Number	Description



Universal Deck Hardware

UMC Stainless Steel

UMC-460-3 Stainless Steel Fixed Chock

The UMC-460-3 is a robust, polished stainless-steel fixed chock suited for marine mooring operations with 65 ton capacity. It ensures safe and effective handling of large mooring lines while minimizing chafe.



A304 Stainless Steel

Features

Material & Construction

- Made of 100% A304 stainless steel, engineered for durability and corrosion resistance in harsh sea environments.

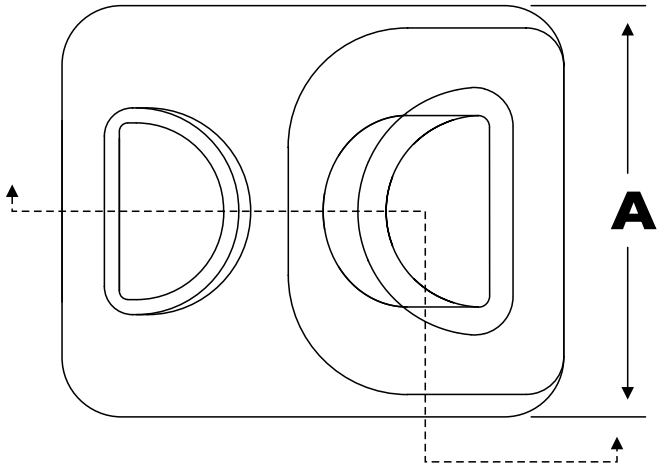
Design & Use

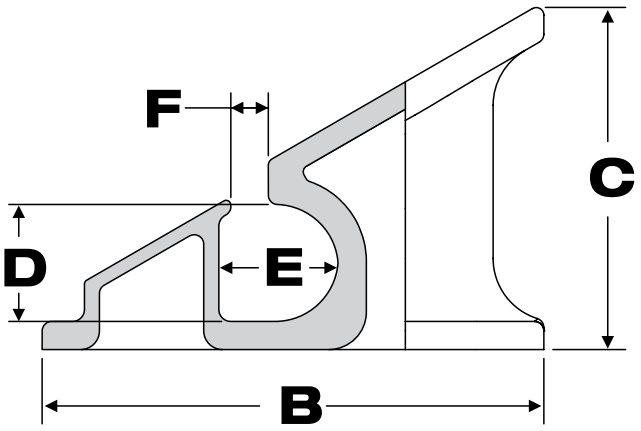
- The chock is fixed (non-rotating) and typically mounted on deck. It provides a smooth, high-polish surface to prevent rope wear and reduce friction.
- Compact, low-profile design conserves valuable deck space

Mounting:

- Typically secured to deck structure; trunnion-style or fixed pad installation.

Part Number	Model	A	B	C	D	E	F	Weight (lbs)
08373-390A	UMC-460-3	11.8	16.7	11.9	4.1875	5.2	1.95	180











Kevel Chocks | 24”, 30”, 36”, 42”, 48” | Cast Steel

UMC-30, UMC-KC30, UMC-482, UMC-483, UMC-484

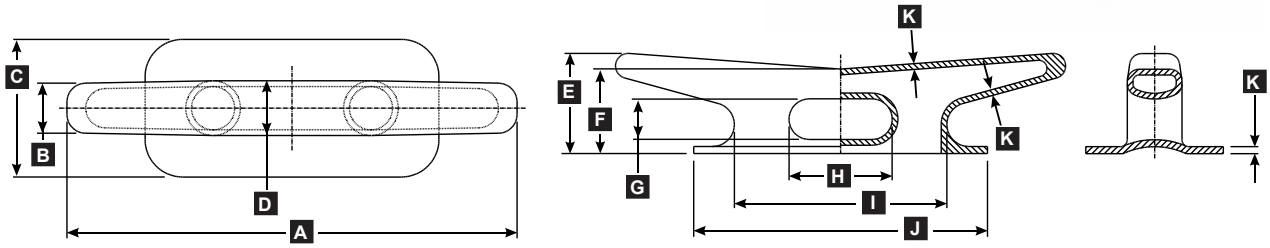
UMC offers a wide range of Kevel Chocks for any deck application. Sizes range from 24” long weighing 50lbs to up 48” long weighing 220lbs. Our Kevel Chocks are made from ASTM A27 cast steel and are built to withstand the toughest conditions.

Kevel Chocks are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed along the gunnels of a barge or work-boat.

ASTM A27-70-36 Cast Steel
UMC’s Kevel Chocks are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.

ABS Certified





Model Number	Description	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	H in. (mm)	I in. (mm)	J in. (mm)	K in. (mm)	Weight Total Lbs (Kgs.)
UMC-30	24” Kevel Chock	02990-301A	24” (610)	3” (76)	7.5” (190)	4” (101)	5.63” (143)	5.13” (130)	2.25” (57)	3.25” (83)	9” (229)	10.5” (267)	0.5” (13)	50 (23)
UMC-KC30	30” Kevel Chock	01081-301A	30” (762)	3.25” (83)	9.5” (241)	4” (101)	7” (178)	5.62” (143)	2.38” (60)	6.88” (175)	14” (365)	20.25” (514)	0.5” (13)	75 (34)
UMC-482	36” Kevel Chock	01080-301A	36” (914)	4” (101)	11” (279)	5” (127)	8” (203)	6.75” (171)	3.25” (83)	8.25” (210)	17” (432)	23.5” (572)	.56” (14)	107 (48.50)
UMC-483	42” Kevel Chock	01090-301A	24” (1066)	4.75” (121)	12.5” (318)	6” (152)	9” (229)	7.88” (200)	4.13” (104)	9.63” (245)	20” (508)	26.75” (679)	.53” (13)	168 (76)
UMC-484	48” Kevel Chock	01100-301A	48” (1219)	5.5” (140)	14” (356)	7” (178)	10” (254)	9” (229)	5” (127)	11” (279)	23” (584)	30” (762)	.65” (17)	220 (100)

Kevel Chocks Thru Deck | 42” & 48” | Cast Steel

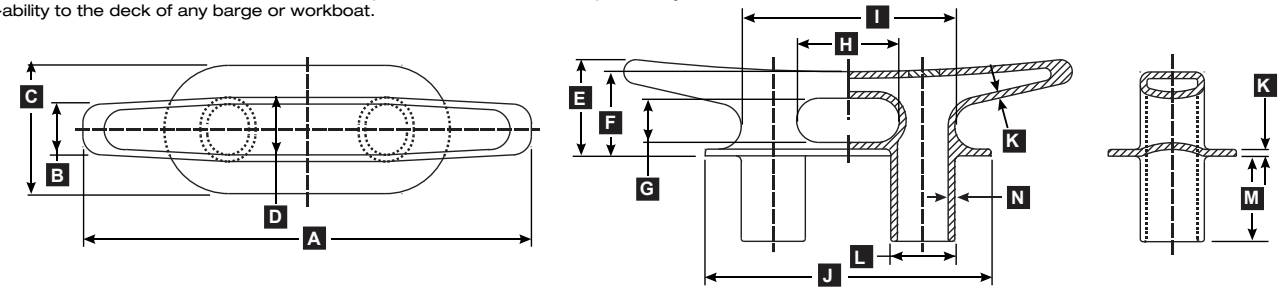
UMC-483TD, UMC-484TD

UMC offers a several Thru-Deck Kevel Chocks for any deck application. Available sizes are 42” long weighing 220lbs and 48” long weighing 380lbs. Our Kevel Chocks are made from ASTM A27 cast steel and are built to withstand the toughest conditions.

Kevel Chocks are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed along the gunnels of a barge or work-boat. UMC’s Thru Deck Kevel Chocks are the perfect solution for towing applications where more rigidity is needed to prevent the deck fitting from tearing off the deck under extreme load situations.



ASTM A27-70-36 Cast Steel
UMC’s Kevel Chocks are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.



Model Number	Description	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	H in. (mm)	I in. (mm)	J in. (mm)	K in. (mm)	L in. (mm)	M in. (mm)	N in. (mm)	Weight Total Lbs (Kgs.)
UMC-483TD	42" Thru Deck Kevel Chock	01091-301A	42" (1067)	4.75" (121)	12" (305)	6" (152)	9" (229)	7.88" (200)	4.13" (105)	9.63" (245)	20" (508)	26.75" (679)	.63" (16)	6" Ø (152)	8" (203)	.63" (16)	220 (100)
UMC-484TD	48" Thru Deck Kevel Chock	01102-301A	48" (1219)	6" (152)	12" (305)	6" (152)	15" (381)	13" (330)	8.25" (210)	6" (152)	18" (457)	24" (607)	3.6" 916)	6" Ø (152)	10.5" (267)	.875" (22)	380 (172)

Kevels | 36”, 42”, 48” | Cast Steel

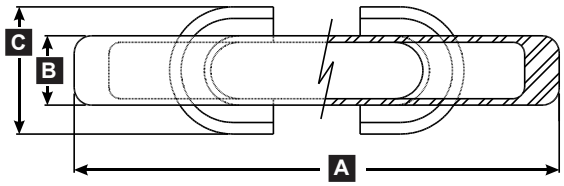
UMC-48A, UMC-36A, UMC-159A

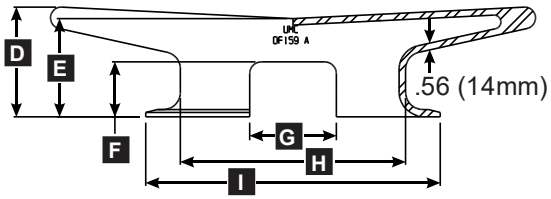
UMC offers a wide range of Kevels for any deck application. Sizes range from 12” long weighing 8lbs to 60” long weighing just under 400lbs. Our Kevels are made from ASTM A27 cast steel and are built to withstand the toughest conditions.

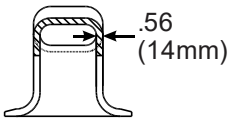
Large Kevels like the UMC-48A, 36A and 159A are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed along the gunnels of a barge or work-boat.

ASTM A27-70-36 Cast Steel
UMC’s Kevels are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.









Model Number	Description	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	H in. (mm)	I in. (mm)	Weight Total Lbs (Kgs.)
UMC-48A	36" Kevel	01050-301A	36" (914)	5" (127)	10" (354)	7.13" (181)	5.88" (149)	3.5" (89)	5" (127)	16.5" (419)	22.5" (572)	81 (37)
UMC-36A	42" Kevel	01060-301A	42" (1067)	6" (152)	11" (279)	7.5" (191)	6.5" (165)	3.25" 983)	7.5" (191)	19.5" (495)	25.5" (648)	114 (52)
UMC-159A	48" Kevel	01070-301A	48" (1219)	6.5" (165)	11" (279)	10" (254)	8.75" (222)	5" (127)	8" (203)	21" (533)	27" (686)	175 (79)

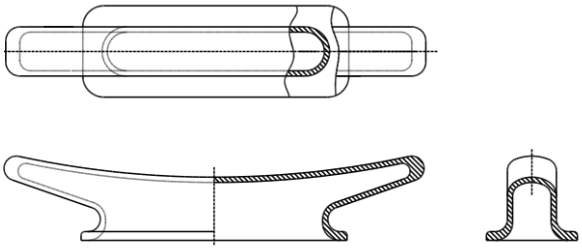
Kevels | 60” | Cast Steel

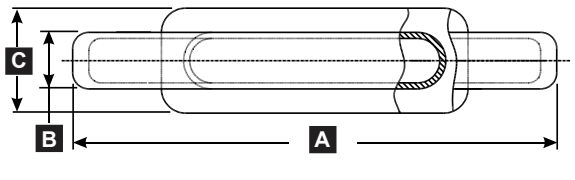
UMC-KC60

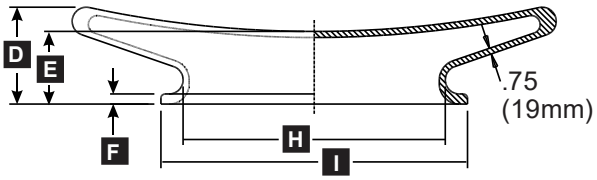
UMC offers a wide range of Kevels for any deck application. Sizes range from 12” long weighing 8lbs to 60” long weighing just under 400lbs. Our Kevels are made from ASTM A27 cast steel and are built to withstand the toughest conditions.

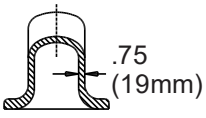
Large Kevels like the UMC-KC60 are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed along the gunnels of a barge or work-boat.

ASTM A27-70-36 Cast Steel
UMC’s Kevels are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.









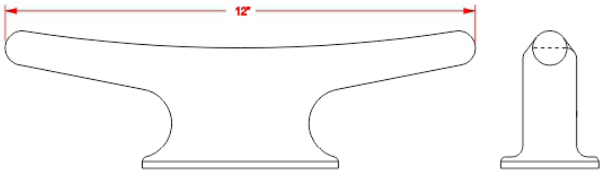
Model Number	Description	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	H in. (mm)	I in. (mm)	Weight Total Lbs (Kgs.)
UMC-KC60	60" Kevel	01101-301A	60" (1524)	7" (178)	11.5" (292)	12" (305)	9" (229)	1.25" (32)	NA	32.5" (826)	38" (965)	390 (177)

Kevels | 12” Small Base | Cast Steel

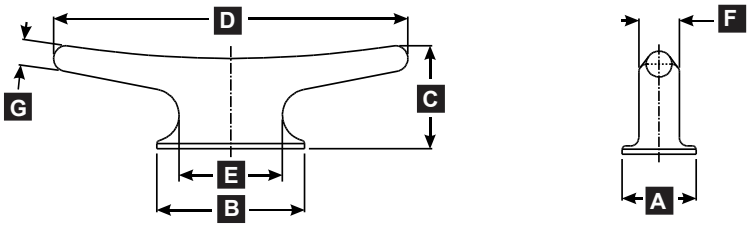
UMC-K12A

UMC offers a wide range of Kevels for any deck application. Sizes range from 12” long weighing 8lbs to 60” long weighing just under 400lbs. Our Kevels are made from ASTM A27 cast steel and are built to withstand the toughest conditions.

Small Kevels like the UMC-K12A are designed primarily to be used with line for checking, or mooring. They are typically placed along the gunnels of a push-boat/ tow-boat or along a dock.



ASTM A27-70-36 Cast Steel
UMC’s Kevels are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.



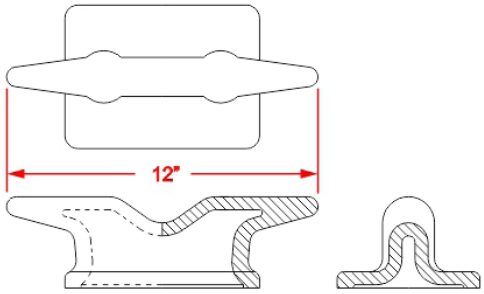
Model Number	Description	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	Weight Total Lbs (Kgs.)
UMC-K12A	12” Kevel Small Base	08720-301A	2.5” (64)	5” (127)	3.5” (89)	12” (305)	3.5” (89)	1.38” (35)	.88” (22)	7.6 (3.4)

Kevels | 12” Large Base | Cast Steel

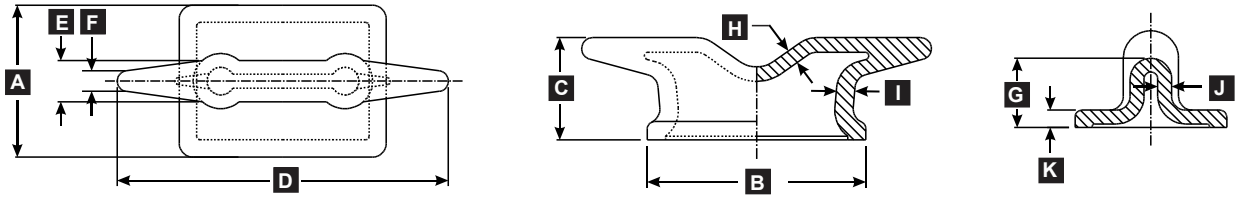
UMC-K12B

UMC offers a wide range of Kevels for any deck application. Sizes range from 12” long weighing 8lbs to 60” long weighing just under 400lbs. Our Kevels are made from ASTM A27 cast steel and are built to withstand the toughest conditions.

Small Kevels like the UMC-K12B are designed primarily to be used with line for checking, or mooring. They are typically placed along the gunnels of a push-boat/ tow-boat or along a dock.



ASTM A27-70-36 Cast Steel
UMC’s Kevels are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.



Model Number	Description	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	H in. (mm)	I in. (mm)	J in. (mm)	K in. (mm)	Weight Total Lbs (Kgs.)
UMC-K12B	12” Kevel Large Base	08740-301A	5.5” (140)	7.5” (191)	3.5” (89)	12” (305)	1.5” (38)	.75” (19)	2.5” (64)	.5” (13)	.63” (16)	.5” (13)	.63” (16)	12 (5.4)

Kevels | 18” | Cast Steel

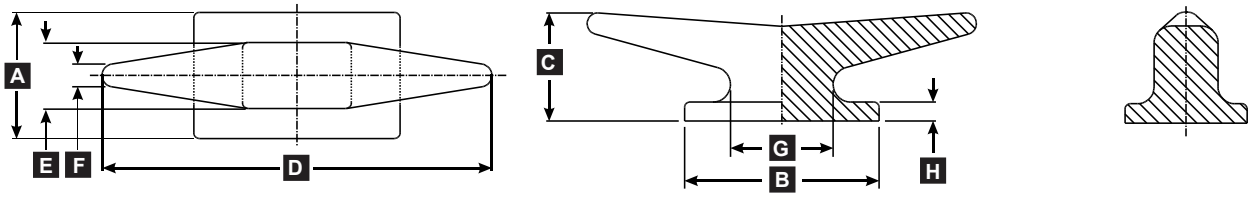
UMC-518



UMC offers a wide range of Kevels for any deck application. Sizes range from 12” long weighing 8lbs to 60” long weighing just under 400lbs. Our Kevels are made from ASTM A27 cast steel and are built to withstand the toughest conditions.

Small Kevels like the UMC-518 are designed primarily to be used with line for checking, or mooring. They are typically placed along the gunnels of a push-boat/ tow-boat or along a dock.

ASTM A27-70-36 Cast Steel
UMC’s Kevels are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.

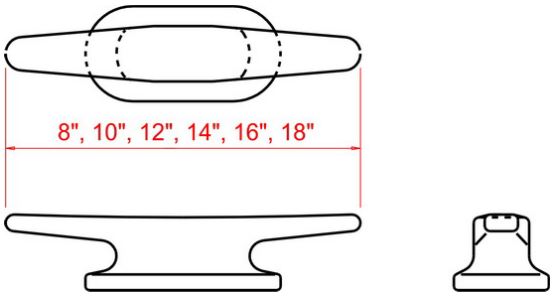


Model Number	Description	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	H in. (mm)	Weight Total Lbs (Kgs.)
UMC-518	18” Kevel	02720-301A	5.5” (140)	9” (289)	5” (127)	18” (457)	2.88” (73)	1” (25)	4.75” (121)	.88” (22)	34 (15.4)

Cleats | 8”, 10”, 12”, 14”, 16”, 18” | Large Base | Cast Steel

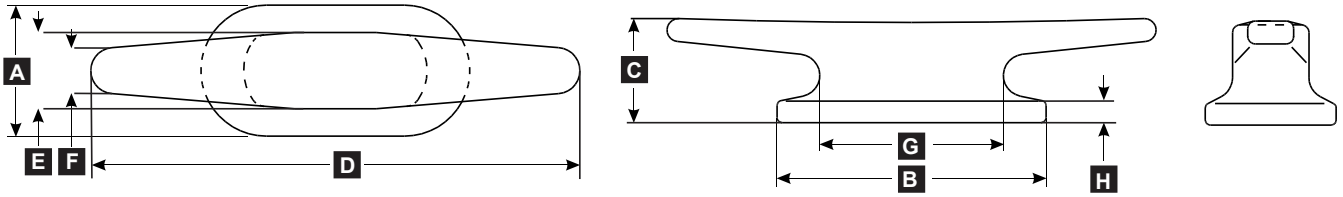
UMC Cleats

UMC offers a wide range of Cleats for any deck application. Sizes range from 8” long weighing 3lbs to 18” long weighing 24lbs. Our Cleats are made from ASTM A27 cast steel and are built to withstand the toughest conditions.



Cleats are designed primarily to be used with line for checking, or mooring. They are typically placed along the gunnels of a push-boat/ tow-boat or along a dock.

ASTM A27-70-36 Cast Steel
UMC’s Cleats are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.



Model Number	Description	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	H in. (mm)	Weight Total Lbs (Kgs.)
UMC-CL-8-LB	8” Cleat Large Base	08721-301A	2.14" (54)	4.40" (112)	1.70" (43)	8.00" (203)	1.25" (32)	.75" (19)	3.00" (76)	.35" (9)	3.00 (1.36)
UMC-CL-10-LB	10” Cleat Large Base	08721-302A	2.68” (68)	5.13" (130)	2.23" (57)	10.00" (254)	1.42" (36)	.80" (20)	3.76" (96)	.40" (10)	4.25 (1.93)
UMC-CL-12-LB	12” Cleat Large Base	08721-303A	3.50" (89)	5.88" (149)	2.75" (70)	12.00" (305)	1.70" (43)	1.10" (28)	4.38" (111)	.55" (14)	8.00 (3.63)
UMC-CL-14-LB	14” Cleat Large Base	08721-304A	4.00" (102)	7.00" (178)	3.20" (81)	14.00" (356)	2.13" (54)	1.37" (35)	5.00" (127)	.63" (16)	13.00 (5.90)
UMC-CL-16-LB	16” Cleat Large Base	08721-305A	4.50" (114)	8.25" (210)	3.50" (89)	16.00" (406)	2.13" (54)	1.54" (39)	6.00" (152)	.75" (19)	18.25 (8.28)
UMC-CL-18-LB	18” Cleat Large Base	08721-306A	4.75" (121)	9.25" (235)	4.26" (108)	18.00" (457)	2.68" (68)	1.54" (39)	6.75" (171)	.88" (22)	24.00 (10.89)

Single Bitts | 8", 10" | Cast Steel

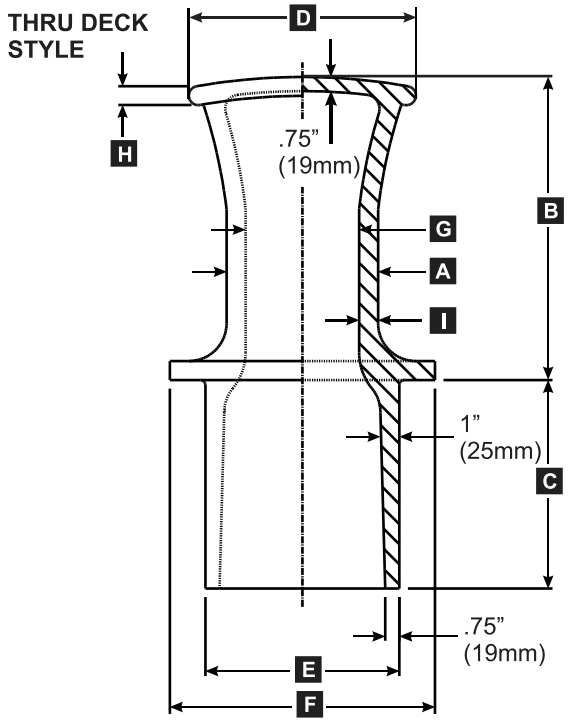
Universal Single Bitts.
ASTM A27-70-36 Cast Steel

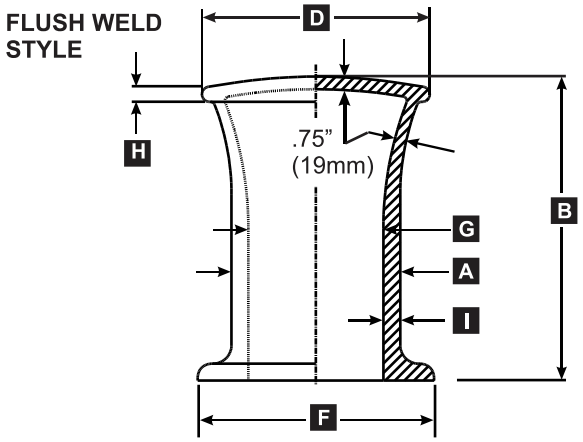




Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total Lbs (Kgs.)
UMC-492	8" Square Base Thru-Deck Single Bitt (Heavy Duty)		03720-301A	370 (168)
UMC-530	8" Round Base Thru-Deck Single Bitt		08000-301A	260 (118)
UMC-SB10T	10" Round Base Thru-Deck Single Bitt		01142-301A	292 (132)
UMC-SB10	10" Round Base Flush-Weld Single Bitt		01140-301A	190 (86)

Single Bitts ASTM A27-70-36 Cast Steel





MODEL	DESCRIPTION	STYLE	PART #	DIMENSIONS IN INCHES (MM)									LBS
				A	B	C	D	E	F	G	H	I	(KGS)
UMC-492	SINGLE BITT 8" SQUARE BASE	THRU DECK HEAVY DUTY	03720-301A	8" Ø (203)	21" (533)	12" (305)	12" Ø (305)	9.63" Ø (245)	14" (356)	5" Ø (127)	1" (25)	1.5" (38)	370 (168)
UMC-530	SINGLE BITT 8" ROUND BASE	THRU DECK	08000-301B	8" Ø (203)	16" (406)	11" (279)	12" Ø (305)	10.25"Ø (260)	14" Ø (356)	6" (152)	1" (25)	1" (25)	260 (117)
UMC-SB10-T	SINGLE BITT 10" ROUND BASE	THRU DECK	01142-301A	10" Ø (254)	18" (457)	12" (305)	13.5"Ø (343)	10" Ø (254)	14" Ø (356)	8" (203)	1.46" (37)	1" (25)	293 (132)
UMC-SB10	SINGLE BITT 10" ROUND BASE	FLUSH WLD	01140-301A	10" Ø (254)	18" (457)	N/A	13.5"Ø (343)	N/A	14" Ø (356)	8" (203)	1.46" (37)	1" (25)	190 (86)

UMC-SB-8B - 8” Single Bitt, Square Base | Cast Steel

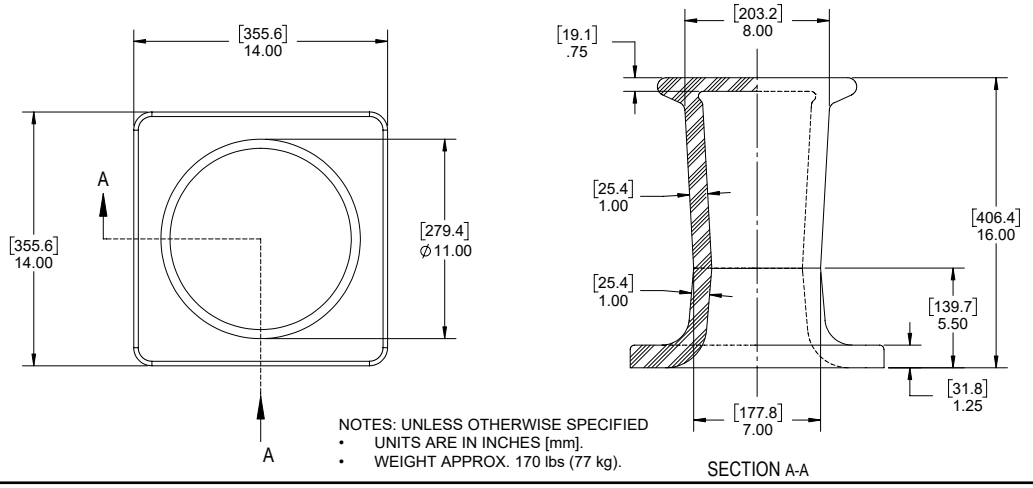
UMC-SB-8B
01131-301A

UMC offers a wide range of Single Bitts for any deck application. Our Single Bitts are made from ASTM A27 cast steel and are built to withstand the toughest conditions.

Single Bitts are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed at the starboard and port corners of the bow and stern of a barge and along the gunnels of a push-boat/ tow-boat.

ASTM A27-70-36 Cast Steel
UMC’s Single Bitts are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.





NOTES: UNLESS OTHERWISE SPECIFIED
- UNITS ARE IN INCHES [mm].
- WEIGHT APPROX. 170 lbs (77 kg).

SECTION A-A

Double Bitts | 6” | Cast Steel

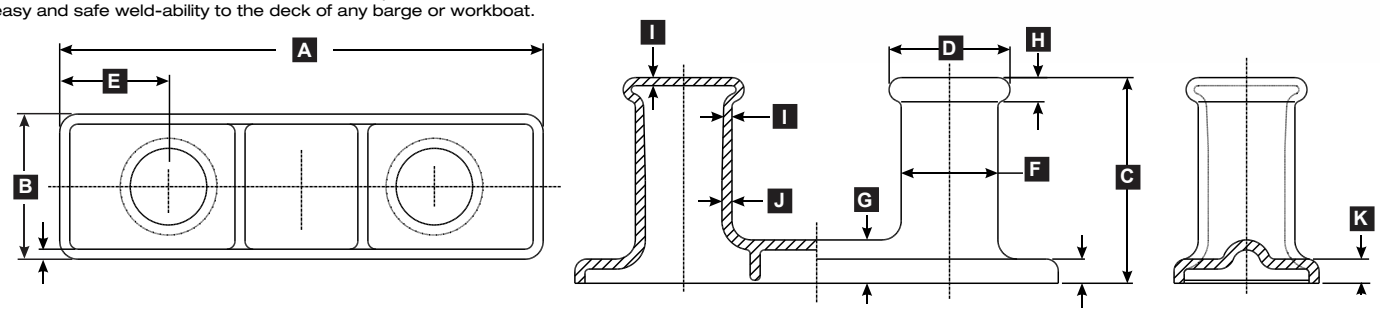
UMC-DB6

UMC offers a wide range of Double Bitts for any deck application. Sizes range from a minimum bollard diameter of 6” weighing 150lbs up to a bollard diameter of 14” weighing nearly 1600lbs. Our Double Bitts are made from ASTM A27 cast steel and are built to withstand the toughest conditions. Our 8”,10”, and 12” models are also available with horns.

Double Bitts are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed at the starboard and port corners of the bow and stern of a barge and along the gunnels of a push-boat/ tow-boat.

ASTM A27-70-36 Cast Steel
UMC’s Double Bitts are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.





Model Number	Desc.	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	H in. (mm)	I in. (mm)	J in. (mm)	K in. (mm)	SWL (ton)	Weight Total Lbs (Kgs.)
UMC-DB6	6” Double Bitt	01124-301A	31.5” (800)	9” (228.6)	12.75” (324)	7.5” Ø (19.5)	6.75” (343)	6” Ø (171.5)	2.7” (68.5)	1.5” (38)	.625” (16)	.625” (16)	1.5” (38)		150 (68)

Double Bitts | 8”, 10” | Cast Steel

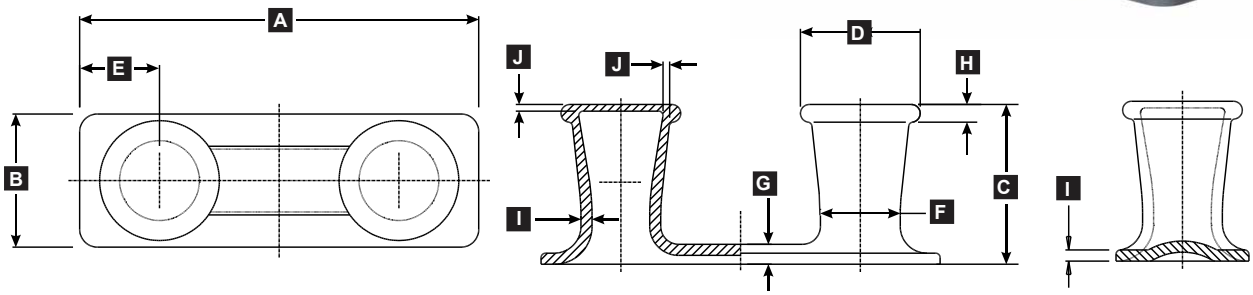
UMC-2, UMC-40

UMC offers a wide range of Double Bitts for any deck application. Sizes range from a minimum bollard diameter of 6” weighing 150lbs up to a bollard diameter of 14” weighing nearly 1600lbs. Our Double Bitts are made from ASTM A27 cast steel and are built to withstand the toughest conditions. Our 8”,10”, and 12” models are also available with horns.

Double Bitts are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed at the starboard and port corners of the bow and stern of a barge and along the gunnels of a push-boat/ tow-boat.

ASTM A27-70-36 Cast Steel
UMC’s Double Bitts are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.





Model	Desc.	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	G in. (mm)	H in. (mm)	I in. (mm)	j in. (mm)	SWL (ton)	Weight Lbs. (Kgs)
UMC-2	8” Double Bitt	01110-301A	40” (1016)	14” (336)	16” (406)	11” Ø (279)	8” (203)	7” Ø (177)	2” (51)	2” (51)	1.25” (32)	.72” (18)		320 (145)
UMC-40	10” Double Bitt	01120-301A	45” (1143)	15” (381)	18” (457)	13.5” Ø (343)	9” (228)	9” Ø (57)	2.25” (51)	2” (51)	1.25” (32)	.75” (19)		574 (260)

Double Bitts With Horns | 8”, 10”, 12” | Cast Steel

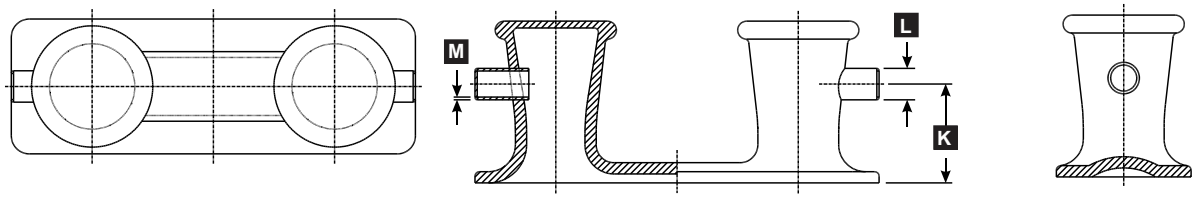
UMC-2A, UMC-40A, UMC-491A

UMC offers a wide range of Double Bitts for any deck application. Sizes range from a minimum bollard diameter of 6” weighing 150lbs up to a bollard diameter of 14” weighing nearly 1600lbs. Our Double Bitts are made from ASTM A27 cast steel and are built to withstand the toughest conditions. Our 8”,10”, and 12” models are also available with horns.

Double Bitts are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed at the starboard and port corners of the bow and stern of a barge and along the gunnels of a push-boat/ tow-boat. Additionally, the Horns featured on these Double Bitts prevent line or wire from “riding up” the bollard during a tow as well as allow for easy and controlled checking.

ASTM A27-70-36 Cast Steel
UMC’s Double Bitts are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.

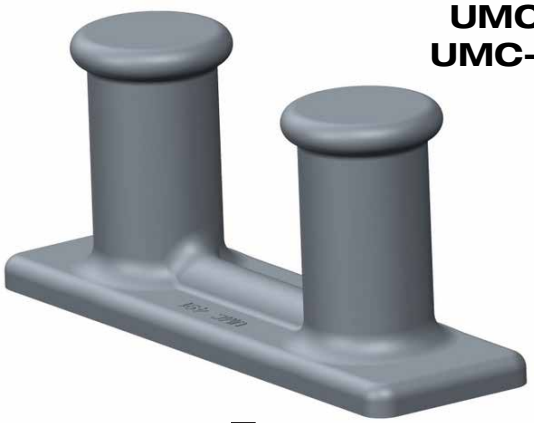




Model	Desc.	Part Number	Notes	K in. (mm)	L in. (mm)	M in. (mm)	SWL (ton)	Weight Lbs. (Kgs)
UMC-2A	8” Double Bitt w/ Horns	04200-301A	SEE DIMENSIONS FOR UMC-2 ABOVE	10” (254)	3.5” Ø (89)	.3” (8)		331 (150)
UMC-40A	10” Double Bitt w/ Horns	03760-301A	SEE DIMENSIONS FOR UMC-40 ABOVE	11” (279)	3.5” Ø (89)	.3” (8)		579 (262)

Double Bitts | 12”, 14” | Cast Steel

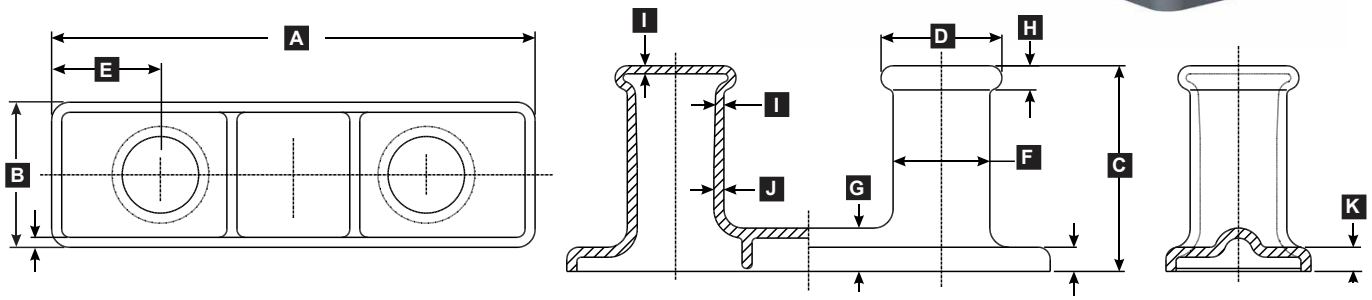
UMC-491, UMC-DB14



UMC offers a wide range of Double Bitts for any deck application. Sizes range from a minimum bollard diameter of 6” weighing 150lbs up to a bollard diameter of 14” weighing nearly 1600lbs. Our Double Bitts are made from ASTM A27 cast steel and are built to withstand the toughest conditions. Our 8”,10”, and 12” models are also available with horns.

Double Bitts are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed at the starboard and port corners of the bow and stern of a barge and along the gunnels of a push-boat/ tow-boat.

ASTM A27-70-36 Cast Steel
UMC’s Double Bitts are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.



Model Number	Desc.	Part Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in (mm)	G in. (mm)	H in. (mm)	I in. (mm)	J in. (mm)	K in. (mm)	SWL (ton)	Weight Total Lbs (Kgs.)
UMC-491	12” Double Bitt	05970-301A	60” (1524)	18” (457)	25.5” (647)	15” Ø (381)	13.5” (343)	12” Ø (305)	5.4” (137)	3” (83)	1” (25)	1.25” (32)	3” (76)		1045 (474)
UMC-DB14	14” Double Bitt	01121-301A	66” (1676)	21” (533)	26.25” (667)	17.5” Ø (445)	13” (343)	14” Ø (356)	5.7” (145)	3.5” (89)	1” (25)	1.5” (38)	3.5” (89)		1596 (724)

Double Bitts | 12”, 14” | Cast Steel

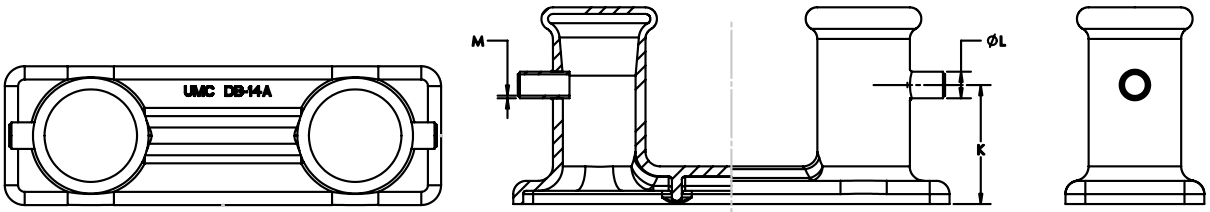
UMC-491A, UMC-DB14A



UMC offers a wide range of Double Bitts for any deck application. Sizes range from a minimum bollard diameter of 6” weighing 150lbs up to a bollard diameter of 14” weighing nearly 1600lbs. Our Double Bitts are made from ASTM A27 cast steel and are built to withstand the toughest conditions. Our 8”,10”, and 12” models are also available with horns.

Double Bitts are designed primarily to be used with line or wire for barge coupling, checking, or mooring. They are typically placed at the starboard and port corners of the bow and stern of a barge and along the gunnels of a push-boat/ tow-boat.

ASTM A27-70-36 Cast Steel
UMC’s Double Bitts are sold as-cast with no surface paint or finish to maintain quick, easy and safe weld-ability to the deck of any barge or workboat.



Model	Desc.	Part Number	Notes	K in. (mm)	L in. (mm)	M in. (mm)	SWL (ton)	Weight Lbs. (Kgs)
UMC-491A	12” Double Bitt w/ Horns	05971-301A	SEE DIMENSIONS FOR UMC-491 ABOVE	16” (406)	3.5” Ø (89)	.3” (7.6)		1000 (454)
UMC-DB14A	14” Double Bitt w/ Horns	01123-301A	SEE DIMENSIONS FOR UMC-DB14 ABOVE	18” (457)	4.02” Ø (102)	.394” (10)		1617 (733)

UMC-400 Heavy Duty Thru-Deck Fabricated Roller Buttons

Built to withstand the toughest conditions.

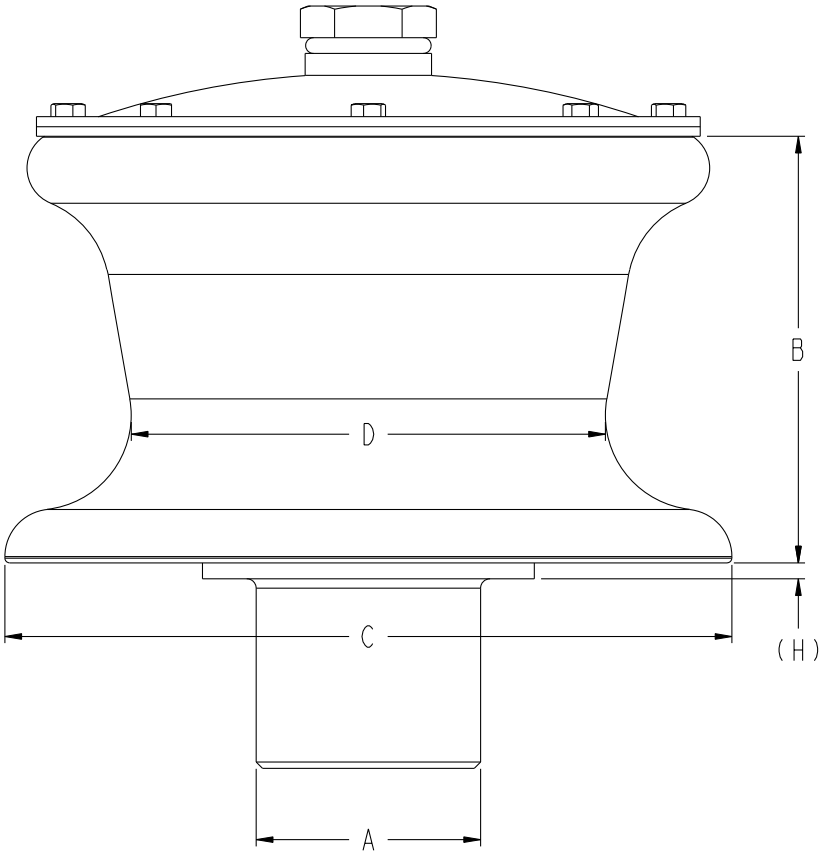
UMC® offers a wide range of Roller Buttons for any deck application. Our Roller Buttons are available in 8 sizes from a 6”(inch)/150mm throat diameter to a 20”(inch)/500mm throat diameter and feature roller sheaves made from ASTM A27 cast steel or hot rolled and fabricated high strength steel plate. hesitation.

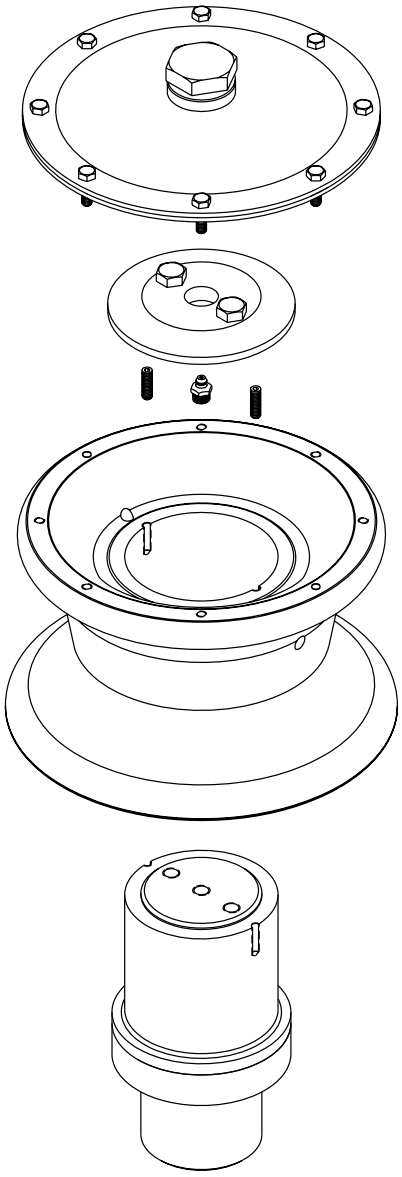


Feature Description
UMC’s Heavy Duty Thru-Deck Fabricated Roller Buttons are truly unique and unparalleled in the industry. The roller sheaves are manufactured using a hot rolled high strength steel plate fabrication process rather than using a steel casting. The result is a stronger roller button than its cast steel counterpart offering a 25% reduction in weight compared to similar cast steel roller buttons and a smooth bollard surface which reduces line friction and extends the life of wire and synthetic rope. Stronger, lighter and easier on your equipment.

Application
Roller Buttons are designed primarily for changing the direction of a line or wire while minimizing chaffing. They are typically placed on the pushboat/ towboat or the line deck of a barge.

MODEL NUMBER	PART NUMBER	DESCRIPTION	THROAT DIAMETER IN. (MM)	WEIGHT TOTAL LBS (KGS)
UMC-150C	09400-101A	Heavy Duty 150MM Roller Button	6” (150)	84 (38)
UMC-200C	09400-101B	Heavy Duty 200MM Roller Button	8” (200)	126 (57)
UMC-250C	09400-101C	Heavy Duty 250MM Roller Button	10” (250)	207 (94)
UMC-300C	09400-101D	Heavy Duty 300MM Roller Button	12” (300)	273 (124)
UMC-350C	09400-101E	Heavy Duty 350MM Roller Button	14” (350)	410 (186)
UMC-400C	09400-101F	Heavy Duty 400MM Roller Button	16” (400)	564 (256)
UMC-450C	09400-101G	Heavy Duty 450MM Roller Button	18” (450)	770 (349)
UMC-500C	09400-101H	Heavy Duty 500MM Roller Button	20” (500)	952 (432)





ASSY P/N	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "(H)"
-101A	Ø71	135	Ø230	Ø150	5
-101B	Ø101	152	Ø300	Ø200	5
-101C	Ø119	172	Ø370	Ø250	6
-101D	Ø130	192	Ø430	Ø300	7
-101E	Ø145	212	Ø490	Ø350	7
-101F	Ø157	232	Ø560	Ø400	7
-101G	Ø170	252	Ø620	Ø450	7
-101H	Ø178	272	Ø680	Ø500	7

ASSY P/N	NOMINAL SIZE	WEIGHT (kg)	SWL (ton)
09400-101A	Ø150	38	19
09400-101B	Ø200	57	32
09400-101C	Ø250	94	42
09400-101D	Ø300	124	52
09400-101E	Ø350	186	75
09400-101F	Ø400	256	90
09400-101G	Ø450	349	115
09400-101H	Ø500	432	140

Roller Buttons | 11", 12.5", 15.5" | Assemblies

Universal Roller Buttons.
ASTM A27-70-36 Cast Steel



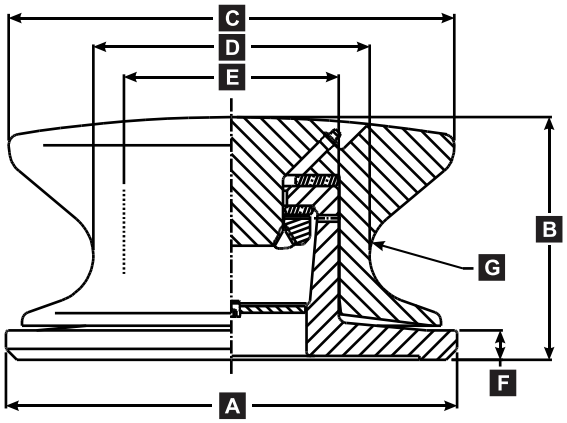


UMC-50
08670-152A

UMC-75
08671-152A

Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total Lbs (Kgs.)
UMC-1048	13.5" Roller Button		08674-101A	250 (113)
UMC-50	11" Roller Button		08670-152A	100 (45)
UMC-75	12.5" Roller Button		08671-152A	136 (62)
UMC-100	15" Roller Button		08672-152A	235 (107)

Roller Buttons ASTM A27-70-36 Cast Steel



MODEL	DESCRIPTION	PART #	DIMENSIONS IN INCHES (MM)							LBS
			A	B	C	D	E	F	G	(KGS)
UMC-50	ROLLER BUTTON, WELDED 11"	08670-152A	12.5" Ø (317)	5.29" (134)	11" Ø (279)	8" Ø (203)	5.5" Ø (138)	1" (25)	.78" R (20)	100 (45)
UMC-75	ROLLER BUTTON, WELDED 12.5"	08671-152A	16.65" Ø (423)	6.8" (173)	12.5" Ø (316)	7.75" Ø (197)	6" Ø (152)	.83" (21)	1.33" R (34)	136 (62)
UMC-100	ROLLER BUTTON, WELDED 15.5"	08672-152A	14.86" Ø (377)	7.88" (200)	15" Ø (381)	9.25" Ø (235)	7" Ø (178)	1" (25)	1.56" R (40)	235 (107)

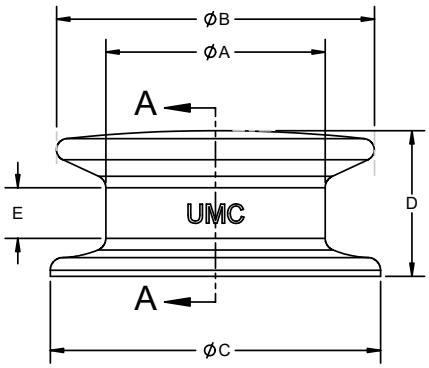
Button Chocks | 6", 8", 10 | Cast Steel

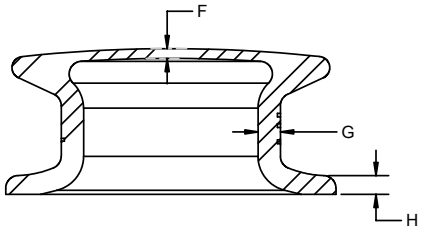
Universal Button Chocks.
ASTM A27-70-36 Cast Steel

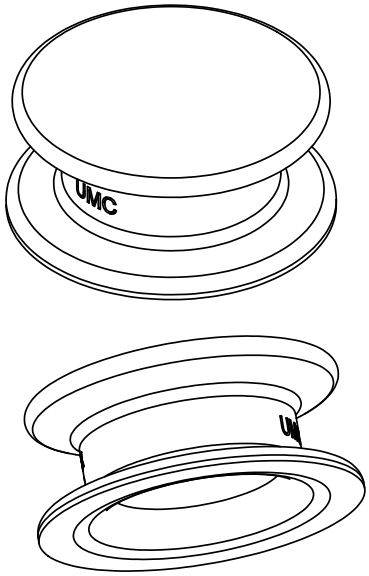




Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total Lbs (Kgs.)
UMC-192	6" Button Chock		01160-301A	38 (17)
UMC-473	8" Button Chock		01180-301A	75 (34)
UMC-185	10" Button Chock		01170-301A	144 (65)







SECTION A-A

MODEL	DESCRIPTION	UMC PART #	DIMENSION, IN (MM)								WEIGHT, LBS (KGS)
			A	B	C	D	E	F	G	H	
UMC-192	BUTTON CHOCK, 6"	01160-301A	Ø6 (152)	Ø8.5 (216)	Ø12 (305)	4.13 (105)	R1.13 (29)	0.75 (19)	0.75 (19)	0.52 (13)	38 (17)
UMC-473	BUTTON CHOCK, 8"	01180-301A	Ø8.6 (218)	Ø12.5 (318)	Ø13 (330)	5.75 (146)	2 (51)	0.38 (10)	0.88 (22)	0.75 (19)	75 (34)
UMC-185	BUTTON CHOCK, 10"	01170-301A	Ø10 (254)	Ø15 (381)	Ø17 (432)	8.5 (216)	R6 (152)	0.5 (13)	1 (25)	0.63 (16)	144 (65)

Roller Button | Welded |

Universal Roller Button.
ASTM A27-70-36 Cast Steel

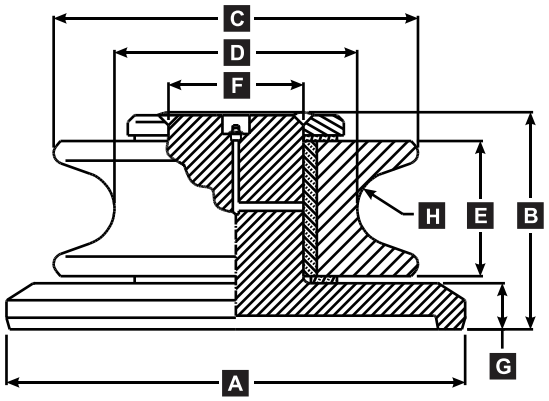


UMC-1048
08674-101A



Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total Lbs (Kgs.)
UMC-1048	13.5" Roller Button		08674-101A	250 (113)

Roller Buttons ASTM A27-70-36 Cast Steel



MODEL	DESCRIPTION	PART #	DIMENSIONS IN INCHES (MM)								LBS
			A	B	C	D	E	F	G	H	(KGS)
UMC-1048	ROLLER BUTTON WELDED	08674-101A	17" Ø (432)	8.03" (204)	13.5" Ø (343)	9" Ø (229)	5" (127)	5" Ø (127)	1.7" (43)	1.38" R (35)	250 (113)

Roller Chock

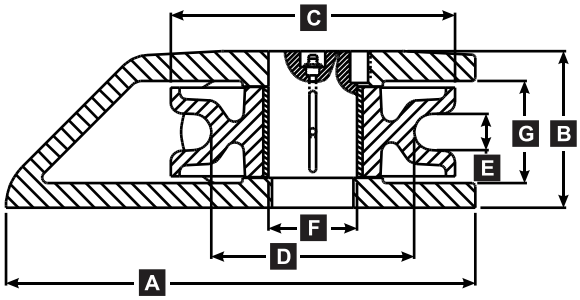
Universal Roller Chock.
ASTM A27-70-36 Cast Steel

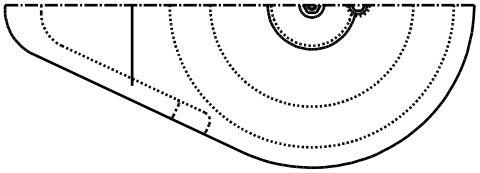


UMC-972
08830-101A

Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total
08830-101A	Roller Chock		UMC-927	

Roller Chock ASTM A27-70-36 Cast Steel





MODEL	DESCRIPTION	PART #	DIMENSIONS IN INCHES (MM)								LBS
			A	B	C	D	E	F	G		(KGS)
UMC-927	ROLLER CHOCK	08830-101A	13” (330)	4.33” (109)	7.88” Ø (194)	5.63” Ø (143)	1” (25)	2.44” Ø (62)	2.83” (72)		50 (23)

Open Chocks | 9", 12" | Cast Steel

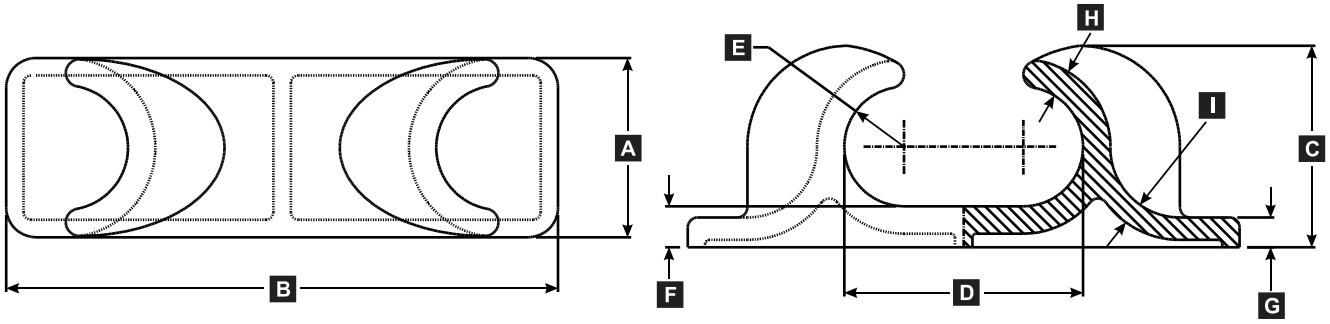
Universal Open Chocks.
ASTM A27-70-36 Cast Steel





Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total Lbs (Kgs.)
UMC-485	9" Open Chock		07870-301A	176 (80)
UMC-489	12" Open Chock		06242-301A	435 (197)

Open Chocks ASTM A27-70-36 Cast Steel



MODEL	DESCRIPTION	PART #	DIMENSIONS IN INCHES (MM)									LBS (KGS)
			A	B	C	D	E	F	G	H	I	
UMC-485	OPEN CHOCK, 9”	07870-301A	9” (229)	27.75” (705)	10.13” (257)	12” (305)	3” R (76)	2.06” (52)	1.5” (38)	1.375” (35)	1.125” (29)	176 (80)
UMC-489	OPEN CHOCK, 12”	06242-301A	12” (305)	36” (914)	13.38” (340)	16” (406)	4” R (101)	2.63” (67)	2.63” (67)	1.75” (44)	1.5” (38)	435 (197)

Closed Chocks | 9", 12", 14" | Cast Steel

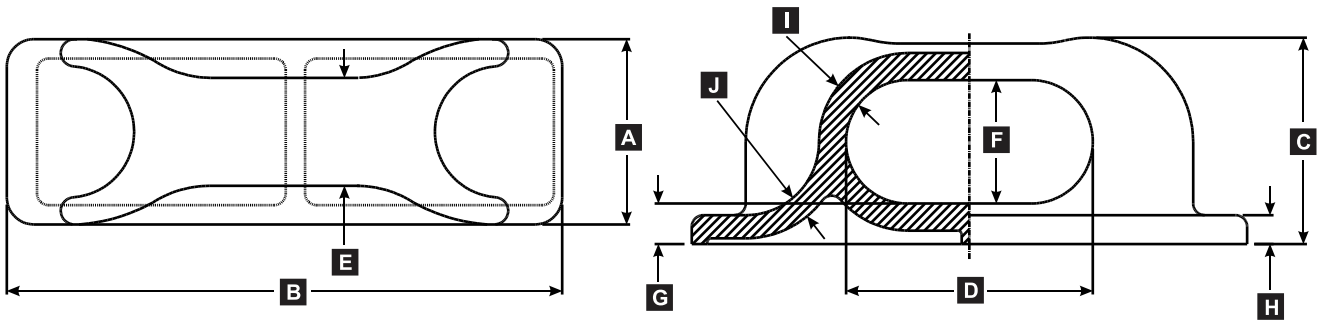
Universal Closed Chocks.
ASTM A27-70-36 Cast Steel





Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total Lbs (Kgs.)
UMC-485	9" Open Chock		07870-301A	176 (80)
UMC-489	12" Open Chock		06242-301A	435 (197)

Closed Chocks ASTM A27-70-36 Cast Steel



MODEL	DESCRIPTION	PART #	DIMENSIONS IN INCHES (MM)										LBS
			A	B	C	D	E	F	G	H	I	J	(KGS)
UMC-480	CLOSED CHOCK, 9”	04610-301A	9” (229)	27.75” (705)	10.13” (257)	12” (305)	5.25” (133)	6” (152)	2.06” (52)	1.5” (38)	1.375” (35)	1.125” (29)	176 (80)
UMC-490	CLOSED CHOCK, 12”	06240-301A	12” (305)	36” (914)	13.38” (340)	16” (406)	7” (178)	8” (203)	2.63” (67)	1.88” (48)	1.75” (44)	1.5” (38)	455 (206)
UMC-14	CLOSED CHOCK, 14”	06241-301A	14” (356)	42” (1066)	15.63” (397)	18.75” (476)	8.17” (208)	9.38” (239)	3.06” (78)	2.19” (56)	2” (51)	1.75” (44)	725 (329)

D-Ring

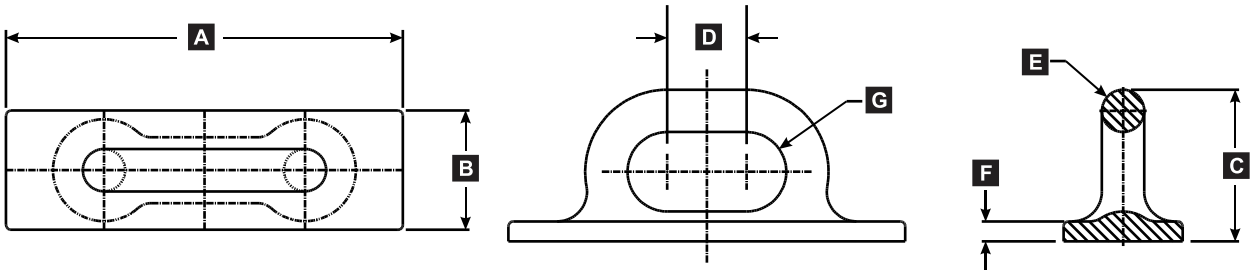
Universal D-Ring
ASTM A27-70-36 Cast Steel





Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total Lbs (Kgs.)
UMC-196	D-Ring		01190-301A	60 (27)

D-Rings ASTM A27-70-36 Cast Steel



MODEL	DESCRIPTION	PART #	DIMENSIONS IN INCHES (MM)								WEIGHT
			A	B	C	D	E	F	G		
UMC-196	D-RING	01190-301A	20” (508)	6” (152)	7.63” (194)	4” (102)	2.13” Ø (54)	1” (25)	2” R (51)		60 (27)

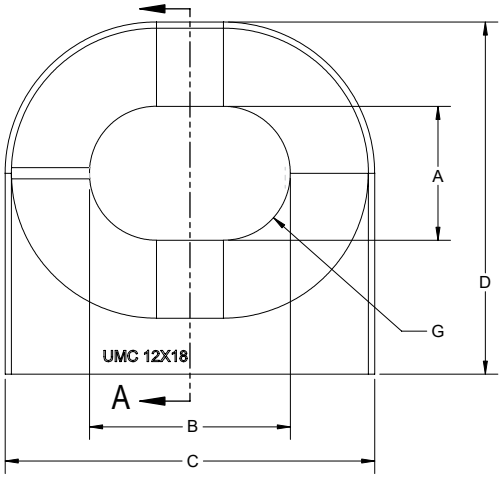
Panama Chocks | 10" X 14", 12: X 18" | Cast Steel

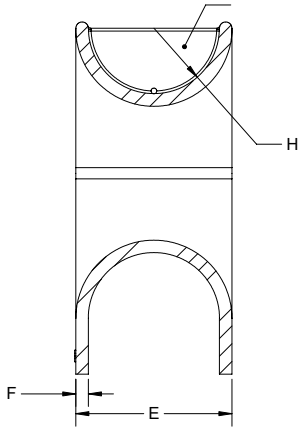
Universal Panama Chocks.
ASTM A27-70-36 Cast Steel



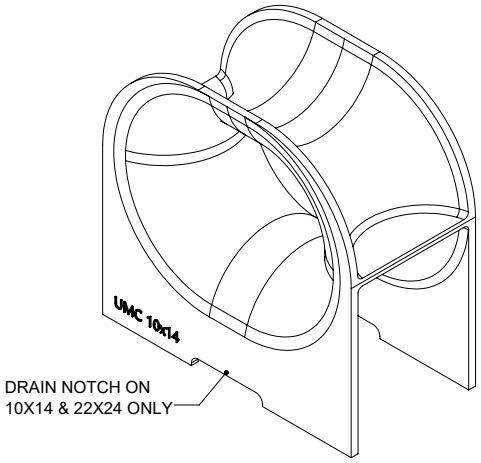


Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total Lbs (Kgs.)
UMC-531-1014	Panama Chock 10x14		08370-301A	335 (152)
UMC-531-1218	Panama Chock 12x18		08372-301A	670 (304)
UMC-531-1122	Panama Chock 11x22		08374-301A	562 (255)
UMC-531-1224	Panama Chock 12x24		08372-302A	1052 (477)





SECTION A-A



REV.
A

MODEL	DESCRIPTION	UMC PART #	DIMENSION, IN (MM)								WEIGHT, LBS (KGS)
			A	B	C	D	E	F	G	H	
UMC-1014	PANAMA CHOCK, 10"X14"	08370-301A	10 (254)	14 (356)	28 (711)	27.25 (692)	14 (356)	0.75 (19)	R5 (127)	R5.5 (140)	335 (152)
UMC-1218	PANAMA CHOCK, 12"X18"	08372-301A	12 (305)	18 (457)	33 (838)	31.5 (800)	14 (356)	1.13 (29)	R6 (152)	R5.88 (149)	670 (304)
UMC-1122	PANAMA CHOCK, 11"X22"	08374-301A	11 (279)	22 (559)	37 (940)	26.5 (673)	14 (356)	1 (25)	R5.5 (140)	R6 (152)	562 (255)
UMC-1224	PANAMA CHOCK, 12"X24"	08372-302A	12 (305)	24 (610)	41 (1041)	34.5 (876)	16 (406)	1.25 (32)	R6 (152)	R6.75 (171)	1052 (477)

Mooring Eyes | 12" X 18", 8" X 12" | Cast Steel

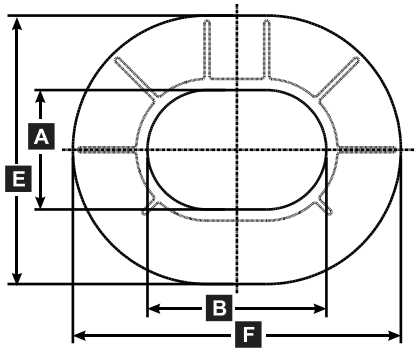
Universal Mooring Eyes.
ASTM A27-70-36 Cast Steel

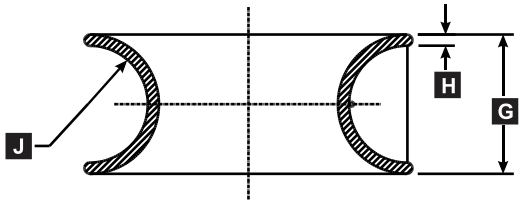




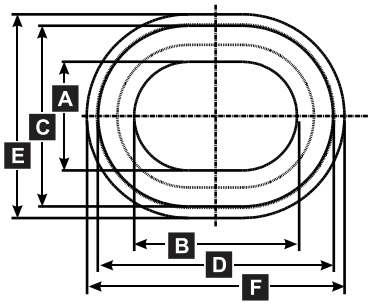
Model Number	Description	Autocad PDF/DXF	Part Number	Weight Total Lbs (Kgs.)
UMC-531-1014B	Panama Bulwark 10 x 14		08373-303A	430 (195)
UMC-528	Mooring Eye 8x12		08750-301A	102 (46)

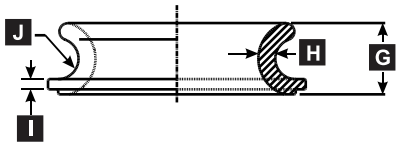
Mooring Eyes ASTM A27-70-36 Cast Steel





UMC-1218E - Mooring Eye 12” x 18”





UMC-M812 - Mooring Eye 8” x 12”

MODEL	DESCRIPTION	PART #	DIMENSIONS IN INCHES (MM)										LBS
			A	B	C	D	E	F	G	H	I	J	(KGS)
UMC-1218E	MOORING EYE 12X18”	08371-301A	12” (229)	18” (705)	N/A	N/A	27” (133)	33” (152)	14” (52)	1.13” (38)	N/A	5.88” R (29)	467 (80)
UMC-M812	MOORING EYE 8X12”	08750-301A	8” (305)	12” (914)	13.31” (340)	19” (483)	15” (178)	17.5” (203)	5.25” (67)	1.25” (48)	.75” (44)	1.5” R (38)	102 (206)



Deck Winches

UMC BC-40 BARGE CONNECTING WINCHES

UMC's barge connecting winches have been trusted across North and South America for decades. Built from premium materials and engineered for long-lasting, trouble-free operation, these winches are purpose-built for secure barge coupling using wire rope. Typically installed on the port and starboard fore and aft barge corners, UMC winches deliver reliable performance in the most demanding marine environments. Contact us today to find the right winch for your specific application.

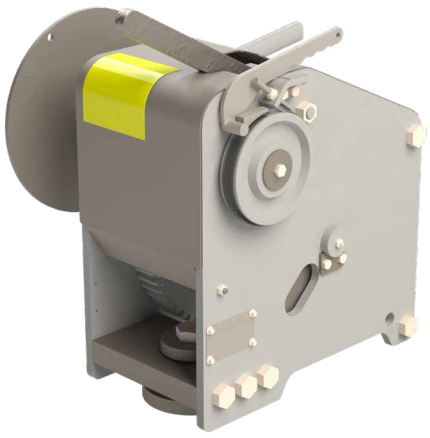


Right Hand Version Shown Here

Features

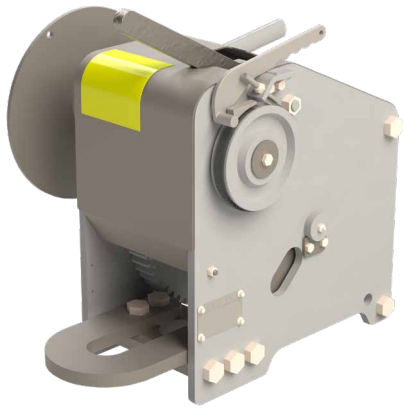
- Proven 40-ton holding capacity ensures secure barge connections in demanding marine conditions
- Precision double-dog ratchet design delivers industry-leading resolution for superior final tensioning
- Large ratchet lever provides maximum leverage for controlled tensioning
- Hand-operated brake lever allows for smooth, controlled load release
- Hand wheel with spinner knob enables rapid slack take-up and positioning
- Easy-off single fastener hand wheel allows for quick removal and maintenance access
- Front-mounted cable guard ensures proper cable alignment during operation
- Durable machine-cut gearing features a heat-treated steel pinion and cast steel driven gear for long service life
- Bronze shaft bushings provide long-lasting wear resistance and smooth operation
- Easy-access grease zerk fittings allow for convenient lubrication of shaft bushings, dogs, and dog release lever
- Hot-dip galvanized finish provides exceptional corrosion protection in harsh marine environments
- Compact, low-profile design conserves valuable deck space
- Fully enclosed drum and gearing enhance operator safety and protect components from the elements
- Open-bottom design allows for easy cleanout of debris and water, reducing maintenance downtime

Holding Dog / Brake Capacity (Tons)	Typical Line Tension - Ratchet (Lbs)	Drum Flange Diameter (In)	Drum Dimensions (In)		Drum Capacity (Ft)		
			OD	Width	3/4"	7/8'	1"
40	10,000	14	7	6.68	96	85	70



Model: UMC-BC-40-DD-S Swivel Base

Right Hand	08321-105R	439 lbs
Left Hand	08321-105L	439 lbs



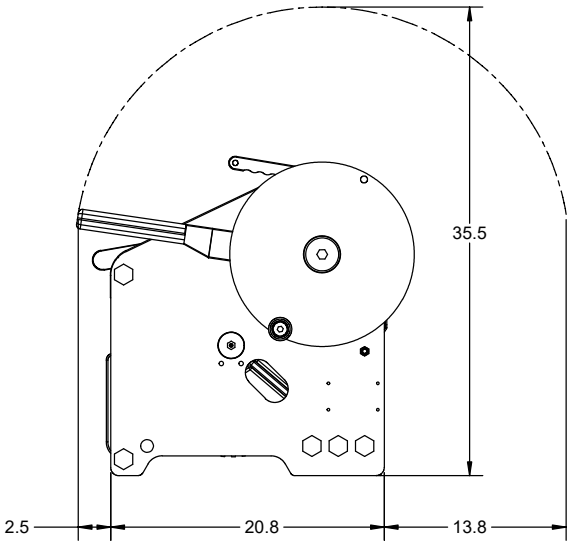
Model: UMC-BC-40-DD-DR D-Ring

Right Hand	08321-106R	442 lbs
Left Hand	08321-106L	442 lbs



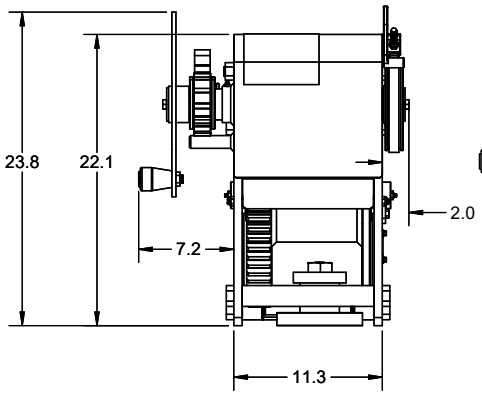
Model: UMC-BC-40-DD-WDP Weld Down

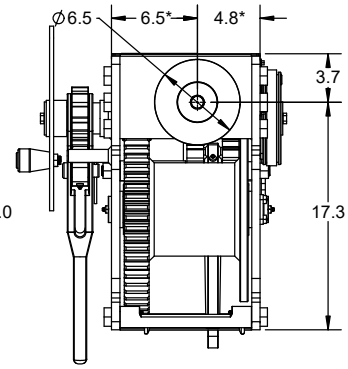
Right Hand	08321-114R	504 lbs
Left Hand	08321-114L	504 lbs

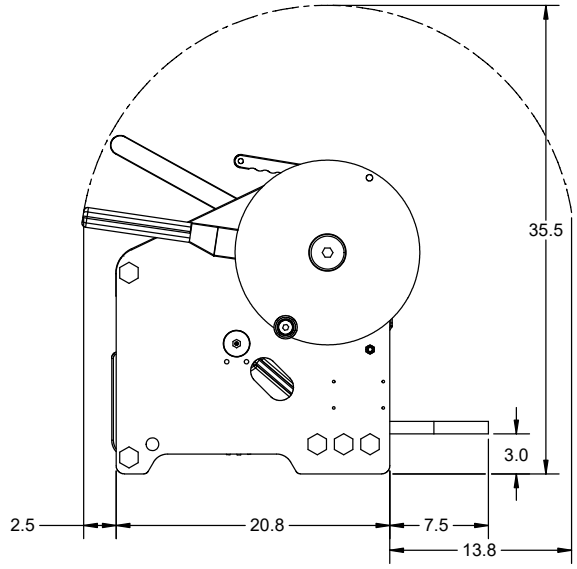


Model: UMC-BC-40-DD-S Swivel Base

Right Hand	08321-105R	439 lbs
Left Hand	08321-105L	439 lbs

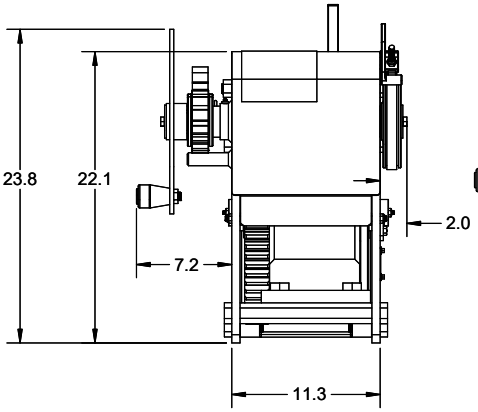


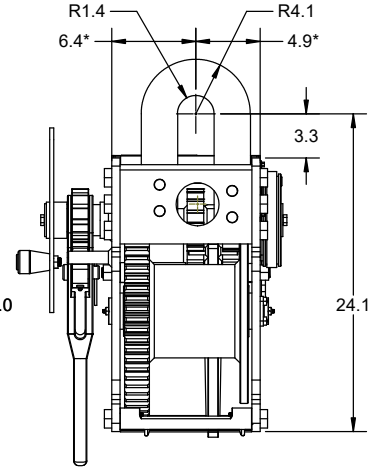


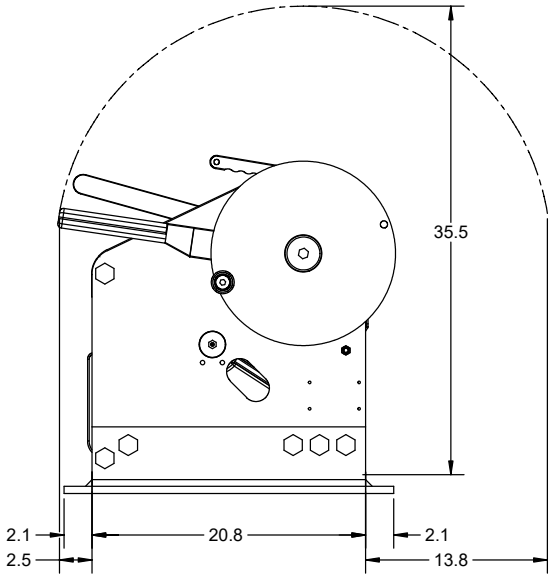


Model: UMC-BC-40-DD-DR D-Ring

Right Hand	08321-106R	442 lbs
Left Hand	08321-106L	442 lbs

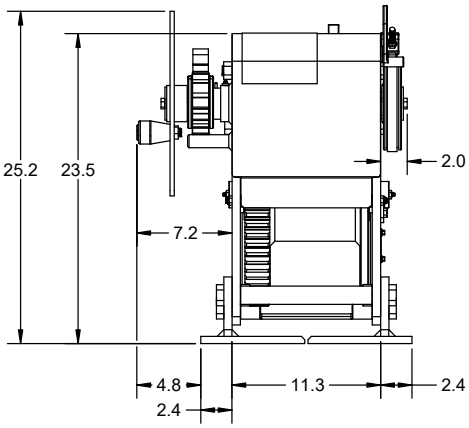


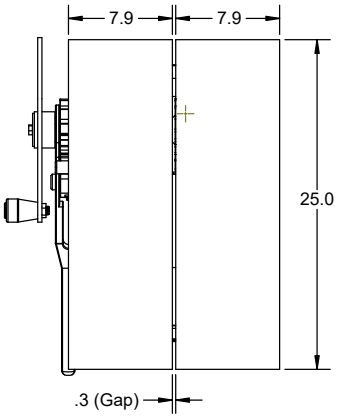




Model: UMC-BC-40-DD-WDP Weld Down

Right Hand	08321-114R	504 lbs
Left Hand	08321-114L	504 lbs

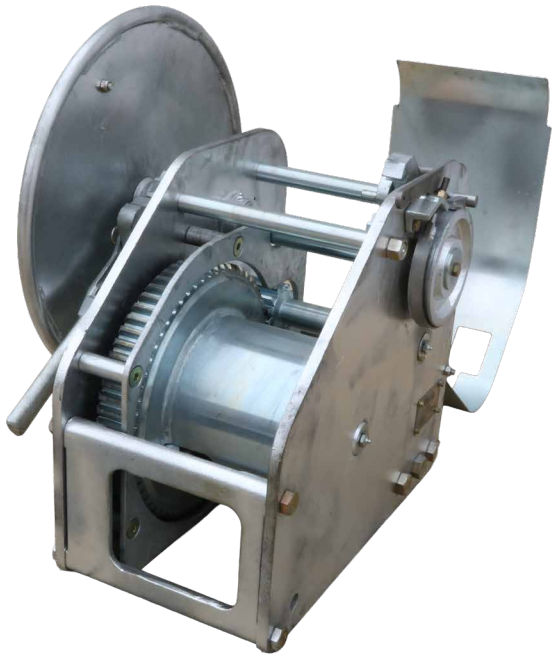




Dimensions marked with an asterisk (*) are left hand/right hand sensitive.
Dimensions' value are the same but on opposite sides between left hand/right hand.

UMC DM-40 BARGE CONNECTING WINCHES

UMC's barge connecting winches have been trusted across North and South America for decades. Built from premium materials and engineered for long-lasting, trouble-free operation, these winches are purpose-built for secure barge coupling using wire rope. Typically installed on the port and starboard fore and aft barge corners, UMC winches deliver reliable performance in the most demanding marine environments. Contact us today to find the right winch for your specific application.



Right Hand Version Shown Here

Features

- Proven 40-ton holding capacity ensures secure barge connections in demanding marine conditions
- Two-stage (3-shaft) spur gear reduction delivers 1.6x more line tension vs. single-stage (2-shaft) winches
- Unmatched performance-to-weight ratio: higher line tension at almost 50% less weight than the nearest competitive 3-shaft winch
- Large-diameter, wide drum increases wire capacity and enables single-layer working conditions to reduce fouling
- Oversized 25-inch handwheel with spinner knob delivers quicker slack take-up and superior achievable line tension
- Large ratchet lever provides maximum leverage for controlled tensioning
- Hand-operated brake lever allows for smooth, controlled load release
- Easy-off single fastener hand wheel allows for quick removal and maintenance access
- Front-mounted cable guard ensures proper cable alignment during operation
- Durable machine-cut gearing features heat-treated steel pinions and cast steel driven gears for long service life
- Bronze shaft bushings provide long-lasting wear resistance and smooth operation
- Easy-access grease zerk fittings allow for convenient lubrication of shaft bushings, dogs, and dog release lever
- Hot-dip galvanized finish provides exceptional corrosion protection in harsh marine environments
- Compact design conserves valuable deck space
- Fully enclosed drum and gearing enhance operator safety and protect components from the elements

Model Number	Holding Dog / Brake Capacity (Tons)	Typical Line Tension - Ratchet (Lbs)	Drum Flange Diameter (In)	Drum Dimensions (In)		Cable Capacity (Ft) Single / Double Layer	
				OD	Width	7/8"	1"
UMC DM-40	40	16,000	14	9.8	8	22 / 55	20 / 45







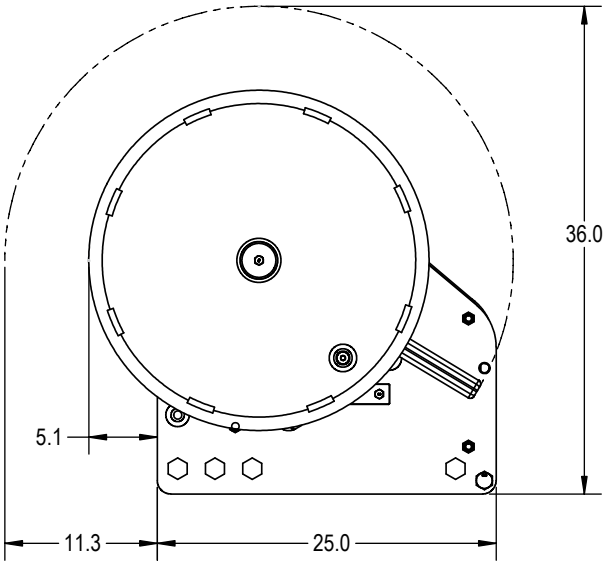
Model: UMC-DM-40-S Swivel Mount

Right Hand	08322-122A	632 lbs
Left Hand	08322-122B	632 lbs

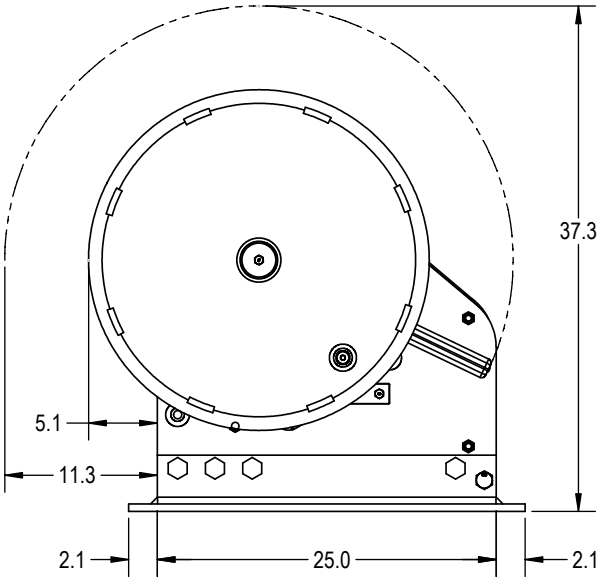
Also Available (Not Pictured)
Model: UMC-DM-40-WDP Weld-Down

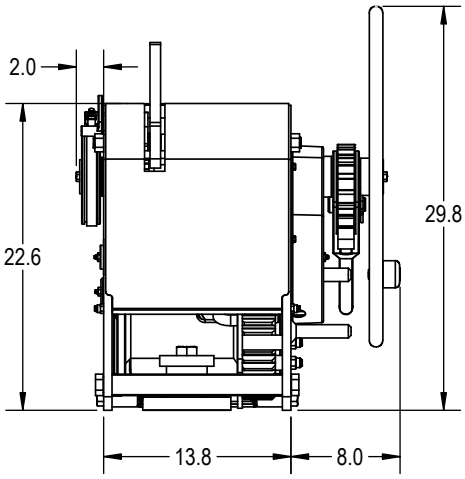
Right Hand	08322-112A	693 lbs
Left Hand	08322-112B	693 lbs

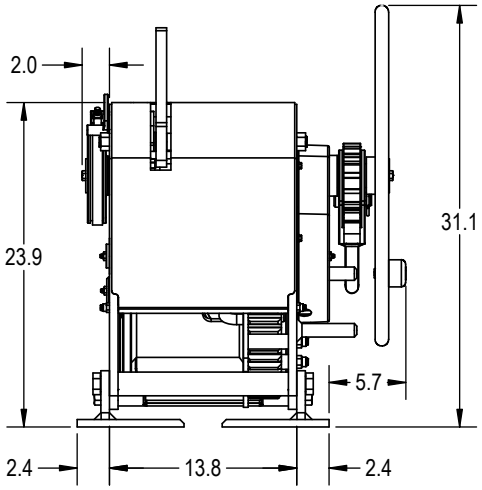
MODEL SHOWN: 08322-122A
WEIGHT: 632 LBS

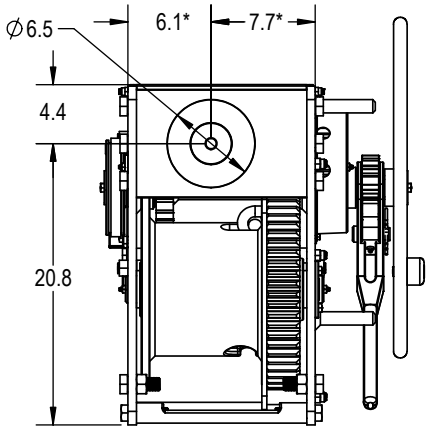


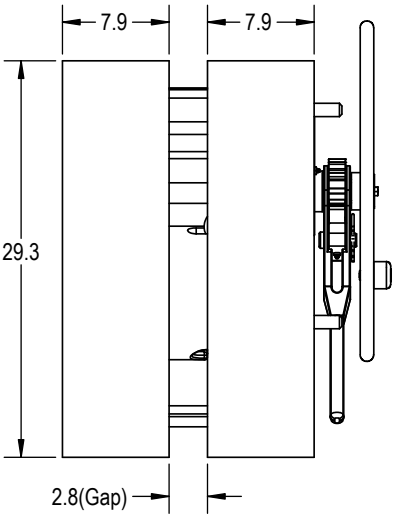
MODEL SHOWN: 08322-112A
WEIGHT: 693 LBS











Dimensions marked with an asterisk (*) are left hand/right hand sensitive.
Dimensions' value are the same but on opposite sides between left hand/right hand.



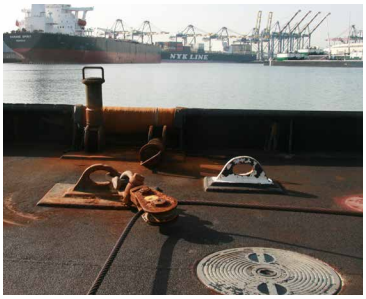
Baier Marine Company

BACKGROUND

Baier is the first name associated with marine closures, having set the standard for the industry since 1947. L. S. Baier invented and patented the first flush hatch specifically designed for the rigors of the Alaska King Crab fishing fleet, and ever since the company has built and supplied closures to the greater marine industry.

EVOLVING from Baier Hatch Co. In 2007, the company re-incorporated under new ownership as the **BAIER MARINE COMPANY**. We expanded our marine closures line to include multi-bolt manholes, steel hatches, marine steel doors, and we added tug-and-barge grade deck fittings.





ENGINEERED DESIGN

All Baier Marine designs have been engineered to the exacting demands of the commercial marine environment. Baier's world-class manufacturing supply chain provides end-to-end Quality Assurance to deliver the highest quality product to our customers.

AVAILABLE

When you need them, we have them. Whether direct-ship from Baier or available through our network of fine dealers and stocking distributors. We strive to keep a high level of product available in stock throughout our distribution network.

HEADQUARTERED IN USA

Baier's Corporate Office, Engineering, Sales, Logistics and Warehouse operations are located under one roof in **Costa Mesa, California.**

BAIER EQUIPMENT USED WORLDWIDE

Our closures and deck fittings are widely **employed in workboats** around the globe: commercial fishing vessels, tugs, barges, patrol boats, and specialty marine craft in both government and private sectors.



QUALITY MATERIALS

The Baier Flush Hatch product line is available in high-strength **Cast Aluminum** with stainless fittings, as well as cast, heat-treated and hot dip **Galvanized Steel** models. Many models are also available in cast or fabricated **Stainless Steel.**

BROAD PRODUCT LINE

Our quick-open, positive-lock **Flush Hatches** are available in round, oval, and square configurations, with lift-out or hinged options, and a range of pre-cut coaming heights. Economical steel and stainless **Universal Hatches** for barge use come in a range of standard sizes. Our **Multi-bolt Manhole** selection is an unparalleled offering of over 20 models. Fabricated **Marine Steel Doors** come in 22 sizes. We have load-rated **Deck Fittings**: Kevels up to 48" chocks, bitts, double-bitts, eyes, roller buttons, etc – tailored for tug and barge use.



Classic HEX-Bolt Flush Hatches

www.baiermarine.com

BAIER

Hatches ✦ Deck Fittings ✦ Doors

A Division of UMC Marine / Universal Motion Components Co., LLC

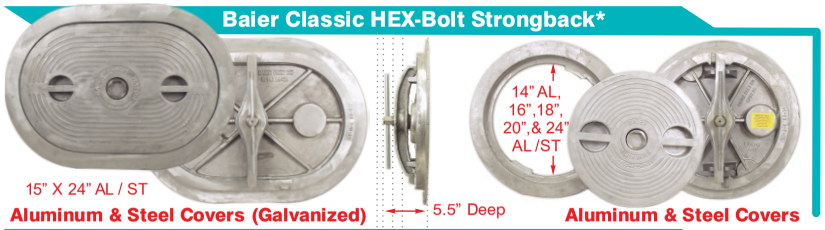
1-800-455-3917

More sizes, styles and material combinations than any other manufacturer. Contact a distributor today.

www.baiermarine.com/dealers

ABS *ABS CERTIFIED

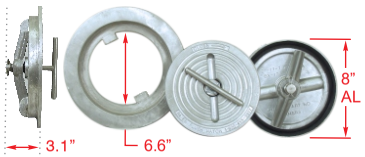
Baier Classic HEX-Bolt Strongback*



Baier T-Handle Strongback*



8" T-Handle



Hinged Hatches

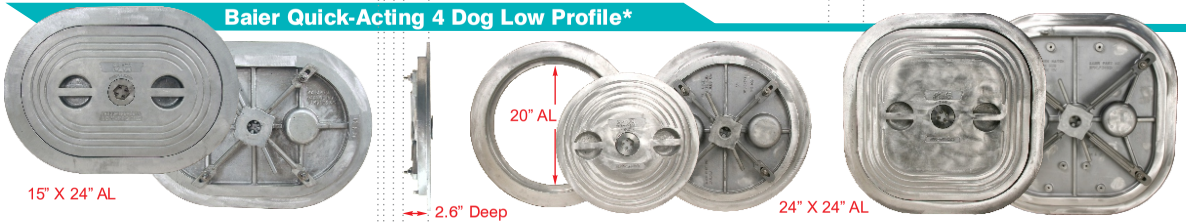
The only Hinged Hatch Available in All Steel

Steel Covers Only (Galvanized)



Hinged Baier Classic HEX-Bolt Strongback*

Baier Quick-Acting 4 Dog Low Profile*

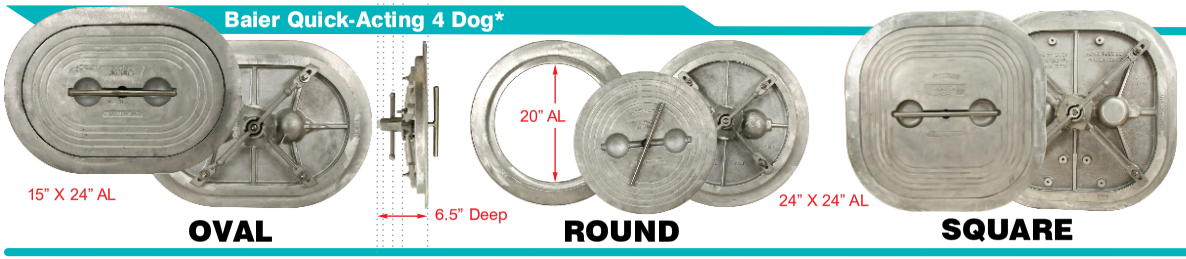


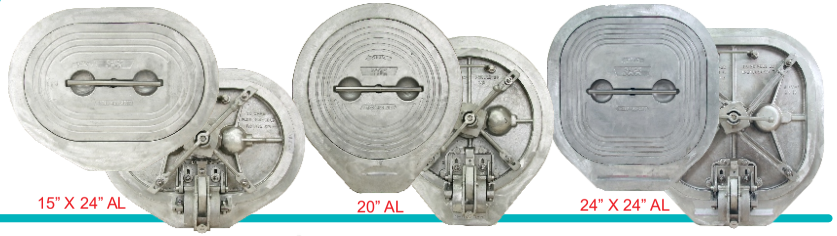
Aluminum Covers Only

Internal Hidden Hinge - Available on Quick Acting*



Baier Quick-Acting 4 Dog*





FLUSH HATCH PRODUCT MATRIX

*ABS CERTIFIED

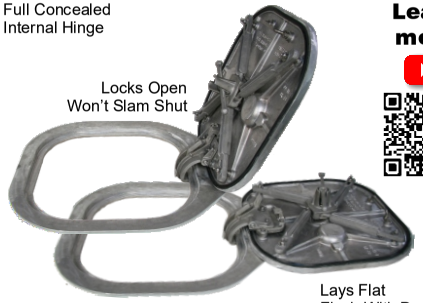
All hatches greater than 8" have built-in underside escape handles.

HATCH CLEAR OPENING DIMENSION	TOP-SIDE ACTUATION: UNDERSIDE LIFT-OUT	UNDERSIDE HINGED	CLASSIC HEX CENTERBOLT STYLE: STRONGBACK AL	STRONGBACK ST	BUILT-IN T-HANDLE STYLE: QA 4-DOG AL	QA 4-DOG AL	LOW-PROFILE STYLE AL	DECK RING MATERIAL: Aluminum / Steel / Stainless Steel		
OVALS	All oval hatches are 15" X 23" clear opening (with 17" x 25" covers). Steel covers only available in Centerbolt style. Can be combined with any deck ring material.									
15 X 24	LIFT-OUT		BFHO15X24A*	BFHO15X24S*	BFHOTH15X24A*	BFHQTH15X24A*	BFHLP15X24A*	/A	/S	/SS
15 X 24		HINGED		BFHHO15X24S*				/A	/S	/SS
15 X 24		HIDDEN HINGE				BFHHQTH15X24A*		/A	/S	
ROUNDS	All round hatches are clear opening dimensions (Covers are 2" larger). Steel covers only available in Centerbolt style. Can be combined with any deck ring material.									
8	LIFT-OUT				BFHRTH8A*			/A	/S	
14	LIFT-OUT		BFHR14A*					/A	/S	/SS
16	LIFT-OUT		BFHR16A*	BFHR16S*				/A	/S	/SS
18	LIFT-OUT		BFHR18A*	BFHR18S*				/A	/S	/SS
20	LIFT-OUT		BFHR20A*	BFHR20S*	BFHRTH20A*	BFHQTH20A*	BFHLP20A*	/A	/S	/SS
20		HIDDEN HINGE				BFHHQTH20A*		/A	/S	
24	LIFT-OUT		BFHR24A*	BFHR24S*				/A	/S	/SS
SQUARES	All square hatches are 24" X 24" clear opening (with 26" x 26" covers). No steel covers available. Can be combined with any deck ring material.									
24 X 24	LIFT-OUT					BFHQTH24X24A*	BFHLP24X24A*	/A	/S	/SS
24 X 24		HIDDEN HINGE				BFHHQTH24X24A*		/A	/S	

Baier Models #'s use Cover Material / Ring Material - Example BFHR24A/S

AL / ST - Aluminum / Steel Hatch Covers /A /S /SS - Aluminum / Steel / Stainless Steel Deck Rings



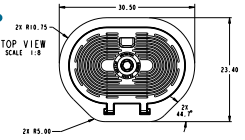


Learn more

Internal Hinged Features

All hatches available with Aluminum or Steel deck rings. Stainless Steel is available for most styles.

Download detailed dimensions and deck cutout drawing files in PDF and DXF Formats.



2026.1

BAIER

Hatches ✦ Deck Fittings ✦ Doors

1-800-455-3917 www.baiermarine.com

Spare Parts Worksheet

Baier Hatches have been a part of working decks for over 70 years. Our easy serviciablity and regional distributors with spare parts is part of what makes Baier Hatches the

THE STRONGEST HATCHES TO EVER HIT THE DECK

Baier Classic HEX-Bolt Strongback



Aluminum & Steel Covers



Aluminum & Steel Covers

Replacement Cover Assy
includes Centerbolt kit, Strongback & Gasket

	ALUMINUM	STEEL
14"	08863-132A	N/A
16"	08863-122A	08863-122B
18"	08863-102A	08863-102B
20"	08861-192A	08861-192B
24"	08861-182A	08861-182B
15x24"	08861-102A	08861-102B

Universal Classic Hex-Bolt Parts - Fits all sizes

Centerbolt Kit	08861-204A includes
08861-204A	*SS Centerbolt*
08861-206A	*SS Washers*
08861-701A	*Buna Washer*
08861-805A	*Spring*
08864-213A	*Turnbar Galv.*
06122-801A	*Set Screw 5/16-18 x 5/16 SS*

T-Handle Wrench 08861-401A

Gaskets
Gasket Bull Nose, Buna N

14" 08863-703A	16" 08863-704A,
18" 08863-702A	20" 08861-701A
24" 08861-704A	15X24 08861-702A

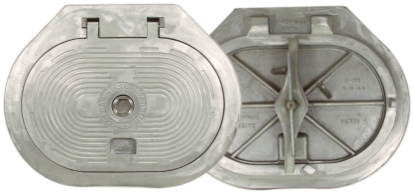
Strongback*

	ALUMINUM	STEEL
14"	08863-138A	N/A
16"	08863-128A	08863-128B
18"	08863-118A	08863-118B
20"	08861-198A	08861-198B
24"	08861-188A	08861-188B
15x24"	08861-108A	08861-108B

*Current Strongbacks have bronze insert and zerk fitting. If your Strongback is all aluminum, it is more cost effective to buy full replacement cover assembly instead of all parts.



Hinged Baier Classic HEX-Bolt Strongback

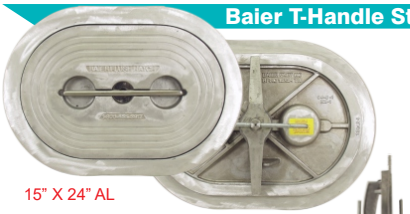


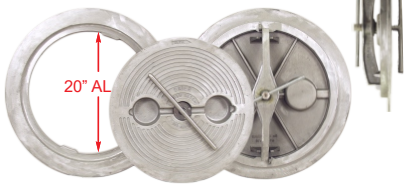
Hing Kit - Tab Hinges

Hinge Kit	08861-100A includes
08861-804A	*Pins SS*
08861-215A	*SS Tabs*
08861-803A	*#12-24 x.5" SS*

Replacement Cover Assy - STEEL ONLY
includes Centerbolt kit, Strongback & Gasket
15X24" 08861-162B
All other parts are same as 15x24 Steel Classic Hex Bolt hatches.

Baier T-Handle Strongback





Universal T-Handle Hatch Parts - Fits all sizes

Centerbolt Kit	08862-119A includes
08862-117A	*T-Handle & Cap Assy*
08861-214A	*SS Centerbolt*
08861-206A	*SS Washer*
08861-701A	*Buna-N Washer*
08861-805A	*Spring*
08864-213A	*Turnbar Galv.*
0886#-####	*Set Screw 5/16-18 x 5/16 SS*
08861-801A	*Cap Screws #10-24 1/2" SS*

Gaskets
Gasket Bull Nose, Buna N

20"	08861-701A
15X24"	08861-702A

Strongback* ALUMINUM ONLY

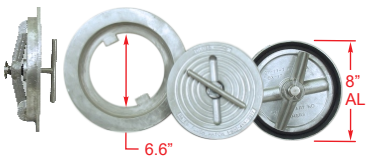
20"	08861-198A
15x24"	08861-108A

*Current Strongbacks have bronze insert and zerk fitting. If your Strongback is all aluminum, it is more cost effective to buy full replacement cover assembly instead of all parts.

Replacement Cover Assy - ALUMINUM ONLY
includes Centerbolt kit, Strongback & Gasket

20"	08861-132A
15x24"	08861-112A

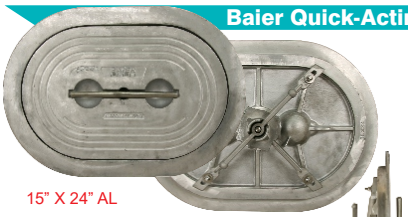
8" T-Handle



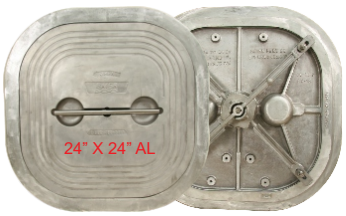
Gaskets
Gasket V-Groove, Buna N
8" Round 08863-707A

Replacement Cover Assy - ALUMINUM ONLY
includes T-Handle, Strongback & Gasket
8" Round 08863-109A

Baier Quick-Acting 4 Dog







Universal Quick Acting Parts - Fits all sizes

T-Handle Seal Kit	08864-170A
08864-205A	Sleeve Retainer SS
08864-804A	Bushing UHMD
08864-702A	O-Ring Nitrile #210 .75" ID
T-Handle QA	08864-401A
Escape Handle	08864-213A
T-Handle Pin	08864-801A
Teflon Washer	08864-803A
Vertical Install Parts	
Dog Springs	08864-809A
Cupped Washers	08864-810A

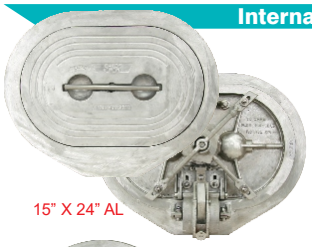
Gaskets
Gasket V-Groove, Buna N

20" Round	08864-703A
15X24" Oval	08864-701A
24x24" Square	08864-706A

Replacement Cover Assy - ALUMINUM ONLY
includes T-Handle, Dog Arms & Cam & Gasket

20" Round	08864-105C
20" Dog arm	08864-209A
15x24" Oval	08863-116A
15X24" Dog Arm	08864-203A
24x24" Square	08864-142A
24x24" Dog Arm	08864-242A

Internal Hidden Hinge - Quick Acting

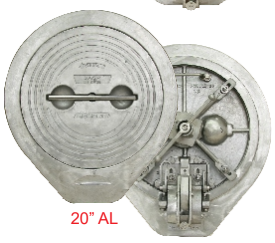


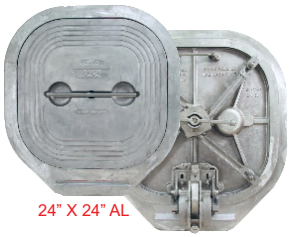
Replacement Hinges

20" Round & 24x24" SQ	08861-126A
15x24" Oval	08861-126B

Uses same parts and gasket as Quick Acting Hatches. Vertical Installation requires springs on the dog arms.

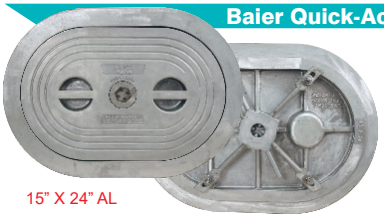
Replacement Covers Assy or Rings available on request.



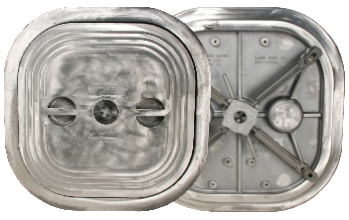




Baier Quick-Acting 4 Dog Low Profile







Universal Low Profile Parts - Fits all sizes

Center bolt Parts	
Hex Cap	08864-246A
Spring	08864-817A
O-Ring	08864-710A
Cap Screws	08864-812A
Square Driver Adapter	08864-401A
Teflon Washer	08864-803A
Vertical Install Parts	
Dog Springs	08864-809A
Cupped Washers	08864-810A

Gaskets
Gasket V-Groove, Buna N

20" Round	08864-703A
15X24" Oval	08864-701A
24x24" Square	08864-706A

Replacement Cover Assy - ALUMINUM ONLY
includes HEX T-Handle, Dog Arms & Cam & Gasket

20" Round	08864-162A
20" Dog arm	08864-209A
15x24" Oval	08864-152A
15X24" Dog Arm	08864-203A
24x24" Square	08864-172A
24x24" Dog Arm	08864-242A

BFHR14 - Flush Deck Hatch | Hex Centerbolt | Round 14" | Aluminum, Steel

The popular "Classic" Baier Flush Hatch™ is the flush-mounted, quick release, lift-out hatch with grab handles as shown. It has long been standard equipment on fish boats, tugs, barges, workboats, and other marine vessels, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.

ABS Certified



FEATURES

- Cast Hatch Cover
- Cast Strongback
- Stainless Steel Hex Centerbolt and hardware Neoprene Cover Gasket and Washers (Buna-N optional)
- Cast / fabricated matching Deck Ring
- Every unit shipped with an underside escape turning bar for safety (turning wheel optional)
- Detachable Hex wrench used for quick operation, can be stored separately for security

STRENGTH, SIMPLICITY and SECURITY

The ultimate in strength and simplicity, Baier's original patented strongback system has only two moving parts to secure the hatch cover to the deck. It is superior to other more complicated hatch closure systems in that it is simpler, stronger, more reliably watertight, infinitely adjustable from topside, and more easily serviced (parts are readily available and replaced in the field). Importantly, the recessed hex centerbolt and grab handles offer no snags for nets, lines or hardware.

MATERIALS

The Classic Model BFH hatch product line is available in both cast aluminum and cast steel. Baier is the only company to offer steel hatch covers which is stronger, more durable, and more impact resistant when compared to iron hatches, especially in cold climates. All of our Steel Cover assemblies and deck rings are hot dip galvanized for superior corrosion resistance. The deck ring is available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Cast stainless steel hatches and fabricated stainless deck rings are available by special order.

Model	Material	Autocad PDF/DXF
BFHR14A/A	Aluminum / Aluminum	BFHR14A-A
BFHR14A/S	Aluminum / Steel	
BFHR14A/SS	Aluminum / Stainless Steel	



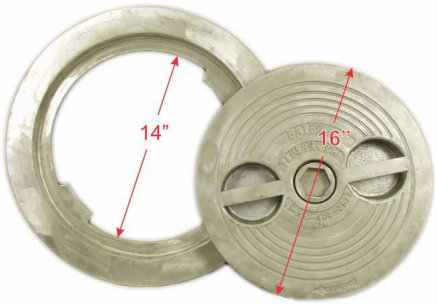
BFHR16A/A with Cast Aluminum Deck Ring



BFHR16A/S with Galvanized Steel Deck Ring

When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel or stainless steel



Hatch Covers Available Separately

BFHR16 - Flush Deck Hatch | Hex CenterBolt | Round 16" | Aluminum, Steel

The popular "Classic" Baier Flush Hatch™ is the flush-mounted, quick release, lift-out hatch with grab handles as shown. It has long been standard equipment on fish boats, tugs, barges, workboats, and other marine vessels, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



ABS Certified

FEATURES

- Cast Hatch Cover
- Cast Strongback
- Stainless Steel Hex Centerbolt and hardware Neoprene Cover Gasket and Washers (Buna-N optional)
- Cast / fabricated matching Deck Ring
- Every unit shipped with an underside escape turning bar for safety (turning wheel optional)
- Detachable Hex wrench used for quick operation, can be stored separately for security

STRENGTH, SIMPLICITY and SECURITY

The ultimate in strength and simplicity, Baier's original patented strongback system has only two moving parts to secure the hatch cover to the deck. It is superior to other more complicated hatch closure systems in that it is simpler, stronger, more reliably watertight, infinitely adjustable from topside, and more easily serviced (parts are readily available and replaced in the field). Importantly, the recessed hex centerbolt and grab handles offer no snags for nets, lines or hardware.

MATERIALS

The Classic Model BFH hatch product line is available in both cast aluminum and cast steel. Baier is the only company to offer steel hatch covers which is stronger, more durable, and more impact resistant when compared to iron hatches, especially in cold climates. All of our Steel Cover assemblies and deck rings are hot dip galvanized for superior corrosion resistance. The deck ring is available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Cast stainless steel hatches and fabricated stainless deck rings are available by special order.

Model	Material	Autocad PDF/DXF
BFHR16A/A	Aluminum / Aluminum	BFHR16A-A
BFHR16A/S	Aluminum / Steel	BFHR16S-S
BFHR16A/SS	Aluminum / Stainless Steel	BFHR16S-S
BFHR16S/S	Steel / Steel	BFHR16S-S
BFHR16S/SS	Steel / Stainless Steel	BFHR16S-S



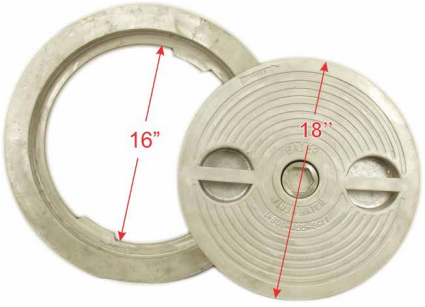
BFHR16A/S with Cast Aluminum Deck Ring



BFHR16A/S with Galvanized Steel Deck Ring

When ordering please specify:

Cover Material: cast aluminum or galvanized steel
Ring Material: cast aluminum, galvanized steel or stainless steel



Hatch Covers Available Separately

BFHR18 - Flush Deck Hatch | Hex Centerbolt | Round 18" | Aluminum, Steel

The popular "Classic" Baier Flush Hatch™ is the flush-mounted, quick release, lift-out hatch with grab handles as shown. It has long been standard equipment on fish boats, tugs, barges, workboats, and other marine vessels, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



ABS Certified

FEATURES

- Cast Hatch Cover
- Cast Strongback
- Stainless Steel Hex Centerbolt and hardware Neoprene Cover Gasket and Washers (Buna-N optional)
- Cast / fabricated matching Deck Ring
- Every unit shipped with an underside escape turning bar for safety (turning wheel optional)
- Detachable Hex wrench used for quick operation, can be stored separately for security

STRENGTH, SIMPLICITY and SECURITY

The ultimate in strength and simplicity, Baier's original patented strongback system has only two moving parts to secure the hatch cover to the deck. It is superior to other more complicated hatch closure systems in that it is simpler, stronger, more reliably watertight, infinitely adjustable from topside, and more easily serviced (parts are readily available and replaced in the field). Importantly, the recessed hex centerbolt and grab handles offer no snags for nets, lines or hardware.

MATERIALS

The Classic Model BFH hatch product line is available in both cast aluminum and cast steel. Baier is the only company to offer steel hatch covers which is stronger, more durable, and more impact resistant when compared to iron hatches, especially in cold climates. All of our Steel Cover assemblies and deck rings are hot dip galvanized for superior corrosion resistance. The deck ring is available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Cast stainless steel hatches and fabricated stainless deck rings are available by special order.

Model	Material	Autocad PDF/DXF
BFHR18A/A	Aluminum / Aluminum	BFHR18A-A
BFHR18A/S	Aluminum / Steel	BFHR18S-S
BFHR18A/SS	Aluminum / Stainless Steel	BFHR18S-S
BFHR18S/S	Steel / Steel	BFHR18S-S
BFHR18S/SS	Steel / Stainless Steel	BFHR18S-S



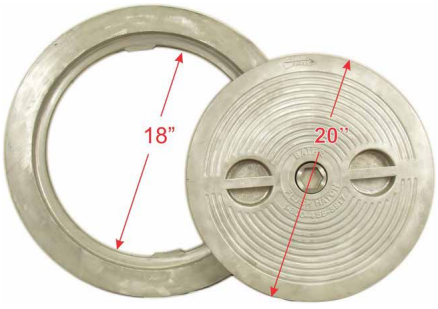
BFHR18A/A with Cast Aluminum Deck Ring



BFHR18A/S with Galvanized Steel Deck Ring

When ordering please specify:

Cover Material: cast aluminum or galvanized steel
Ring Material: cast aluminum, galvanized steel or stainless steel



Hatch Covers Available Separately

BFHR20 - Flush Deck Hatch | Hex Centerbolt | Round 20" | Aluminum, Steel

The popular "Classic" Baier Flush Hatch™ is the flush-mounted, quick release, lift-out hatch with grab handles as shown. It has long been standard equipment on fish boats, tugs, barges, workboats, and other marine vessels, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



ABS Certified

FEATURES

- Cast Hatch Cover
- Cast Strongback
- Stainless Steel Hex Centerbolt and hardware Neoprene Cover Gasket and Washers (Buna-N optional)
- Cast / fabricated matching Deck Ring
- Every unit shipped with an underside escape turning bar for safety (turning wheel optional)
- Detachable Hex wrench used for quick operation, can be stored separately for security

STRENGTH, SIMPLICITY and SECURITY

The ultimate in strength and simplicity, Baier's original patented strongback system has only two moving parts to secure the hatch cover to the deck. It is superior to other more complicated hatch closure systems in that it is simpler, stronger, more reliably watertight, infinitely adjustable from topside, and more easily serviced (parts are readily available and replaced in the field). Importantly, the recessed hex centerbolt and grab handles offer no snags for nets, lines or hardware.

MATERIALS

The Classic Model BFH hatch product line is available in both cast aluminum and cast steel. Baier is the only company to offer steel hatch covers which is stronger, more durable, and more impact resistant when compared to iron hatches, especially in cold climates. All of our Steel Cover assemblies and deck rings are hot dip galvanized for superior corrosion resistance. The deck ring is available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Cast stainless steel hatches and fabricated stainless deck rings are available by special order.

Model	Material	Autocad PDF/DXF
BFHR20A/A	Aluminum / Aluminum	BFHR20A-A
BFHR20A/S	Aluminum / Steel	BFHR20A-S
BFHR20A/SS	Aluminum / Stainless Steel	BFHR20A-SS
BFHR20S/S	Steel / Steel	BFHR20S-S
BFHR20S/SS	Steel / Stainless Steel	BFHR20S-SS



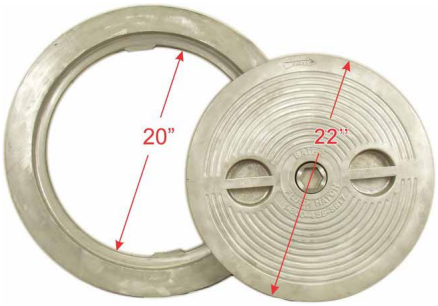
BFHR20A/A with Cast Aluminum Deck Ring



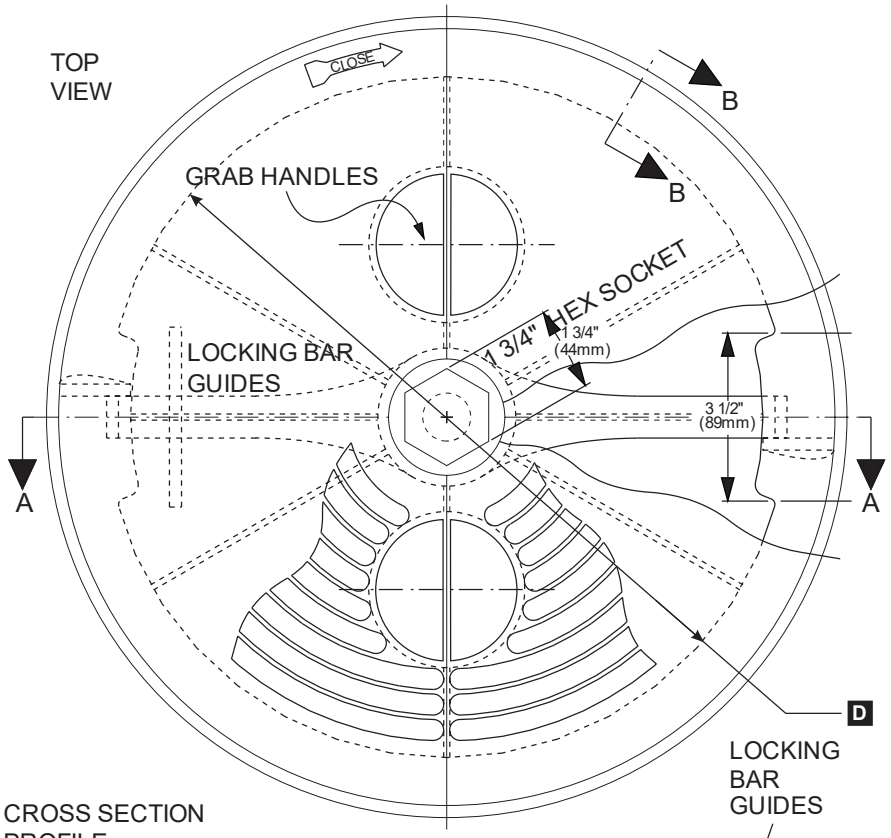
BFHR20A/S with Galvanized Steel Deck Ring

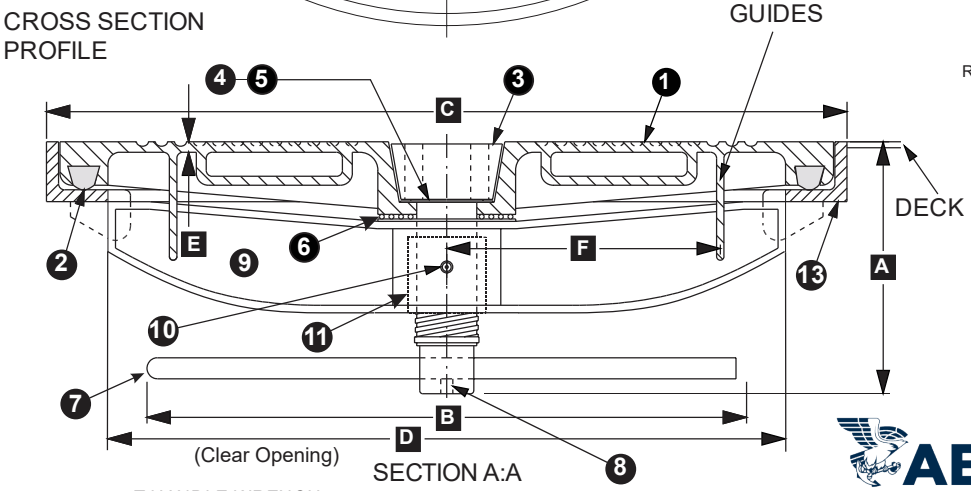
When ordering please specify:

Cover Material: cast aluminum or galvanized steel
Ring Material: cast aluminum, galvanized steel or stainless steel



Hatch Covers Available Separately



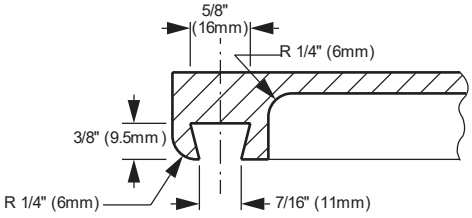


12 T-HANDLE WRENCH
SEE DRAWING ON BFHR24 - 08861-101

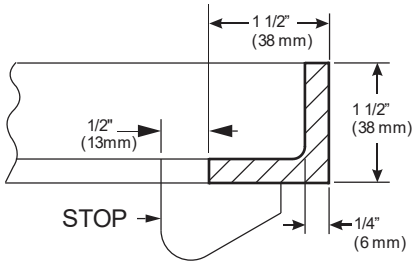
BILL OF MATERIAL: 08863-101

#	DESCRIPTION	MAT	P/N
Cover Kit (parts & kits below AL,ST)			SEE MATRIX
1	COVER	AL,ST	SEE MATRIX
2	GASKET	BUNA	SEE MATRIX
Centerbolt Kit (parts below)			UP-CB-HEX-SS-KIT
3	BOLT (1 1/2" Ø)	SS	08861-204A
4	WASHER	SS	08861-206A
5	WASHER	BUNA	08861-701A
6	SPRING	SS	08861-805A
7	ROD (1/2" Ø)	ST	08861-205A
8	ALLEN SET SCREW	SS	06122-801B
Strongback Kit (parts below AL,ST)			SEE MATRIX
9	STRONGBACK	AL,ST	SEE MATRIX
10	LUBE ZERK	ZNST	08790-803A
11	THREADED INSERT	BR	08861-209B
12	WRENCH	GALV	UP-WRNCH-HEX-ST
13	DECK RING AL	AL	SEE MATRIX
13	DECK RING ST	ST	SEE MATRIX
13	DECK RING SS	SS	SEE MATRIX
13	DECK RING BLACK	SB	SEE MATRIX

MATERIAL KEY	**SS** - STAINLESS STEEL
AL - ALUMINUM	**ZNST** - ZINC PLATED ST
ST - GALV. STEEL	**BR** - BRONZE
SB - BLACK STEEL	**BUNA** - NITRILE RUBBER

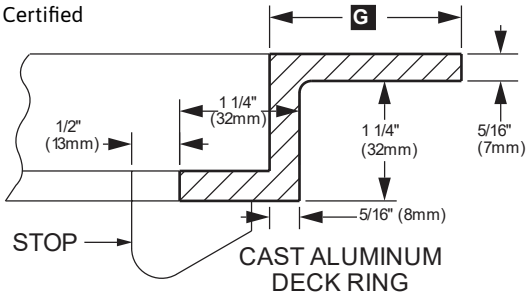


GASKET GROOVE
SECTION B:B



GALVANIZED STEEL
DECK RING

ABS Certified



CAST ALUMINUM
DECK RING

BFHR HATCH SIZE PART NUMBER MATRIX				
Model Number	BFHR20	BFHR18	BFHR16	BFHR14
Assy P/N	08861-191	08863-101	08863-121	08863-131
Material	AL / ST	AL / ST	AL / ST	COVER AL ONLY DECK RING AL /ST
Cover Assy	08861-192A / B	08863-102A / B	08863-122A / B	08863-132A
Cover	08861-291A / B	08863-201A / B	08863-221A / B	08863-231A
Gasket	08861-702A	08863-702A	08863-704A	08863-703A
Strongback	08861-198A / B	08863-118A / B	08863-128A / B	08863-138A
Deck Ring AL	08861-233A	08863-203A	08863-223A	08863-233A
Deck Ring*	08861-297A,B,C*	08863-207A,B,C*	08863-227A,B,C*	08863-237A,B,C*

* A - Galvanized Steel, B - Black Steel, C - Stainless Steel

HATCH WEIGHTS LBS. (KGS)								
Model Number	BFHR20		BFHR18		BFHR16		BFHR14	
Material	AL	ST	AL	ST	AL	ST	AL	ST
Cover	28 (12.7)	77.5 (35.2)	23 (10.5)	64.5 (29)	22 (10)	56 (25.4)	20 (9.1)	NA
Deck Ring	13 (6)	11 (5)	11 (4.5)	10 (4.5)	8 (3.6)	9 (4.1)	7 (3.2)	8 (3.6)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

Model	DIMENSIONS INCHES (mm)						
Number	A	B	C	D	E	F	G
BFHR20	5 1/2 (140)	12 1/2 (318)	22 3/4 (578)	20 (508)	7/32 (5.6)	8 1/2 (216)	2 1/2 (64)
BFHR18	5 1/2 (140)	12 1/2 (318)	20 3/4 (527)	18 (457)	7/32 (5.6)	7 1/4 (184)	2 (51)
BFHR16	5 1/2 (140)	12 1/2 (318)	18 3/4 (476)	16 (406)	7/32 (5.6)	6 1/4 (159)	2 (51)
BFHR14	5 1/2 (140)	12 1/2 (318)	16 3/4 (424)	14 (356)	7/32 (5.6)	6 1/4 (159)	2 (51)

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LIFT-OUT PLAIN DOGGED TYPE
WITH GRAB HANDLES
TYPE "C" POSITIVE LOCKING

MODEL: BFHR20, BFHR18, BFHR16, BFHR14

DWG. NO. 286-1

BFHR24 - Flush Deck Hatch | Hex Centerbolt | Round 24" | Aluminum, Steel

The popular "Classic" Baier Flush Hatch™ is the flush-mounted, quick release, lift-out hatch with grab handles as shown. It has long been standard equipment on fish boats, tugs, barges, workboats, and other marine vessels, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



ABS Certified

FEATURES

- Cast Hatch Cover
- Cast 3-Arm Strongback
- Stainless Steel Hex Centerbolt and hardware Neoprene Cover Gasket and Washers (Buna-N optional)
- Cast / fabricated matching Deck Ring
- Every unit shipped with an underside escape turning bar for safety (turning wheel optional)
- Detachable Hex wrench used for quick operation, can be stored separately for security

STRENGTH, SIMPLICITY and SECURITY

The ultimate in strength and simplicity, Baier's original patented strongback system has only two moving parts to secure the hatch cover to the deck. It is superior to other more complicated hatch closure systems in that it is simpler, stronger, more reliably watertight, infinitely adjustable from topside, and more easily serviced (parts are readily available and replaced in the field). Importantly, the recessed hex centerbolt and grab handles offer no snags for nets, lines or hardware.

MATERIALS

The Classic Model BFH hatch product line is available in both cast aluminum and cast steel. Baier is the only company to offer steel hatch covers which is stronger, more durable, and more impact resistant when compared to iron hatches, especially in cold climates. All of our Steel Cover assemblies and deck rings are hot dip galvanized for superior corrosion resistance. The deck ring is available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Cast stainless steel hatches and fabricated stainless deck rings are available by special order.



BFHR24A/A with Cast Aluminum Deck Ring

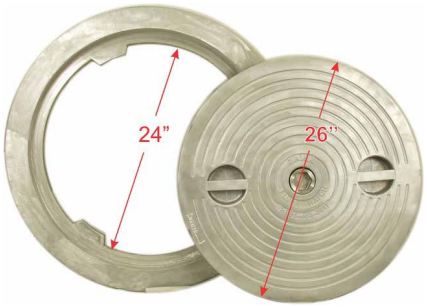


BFHR24A/S with Galvanized Steel Deck Ring

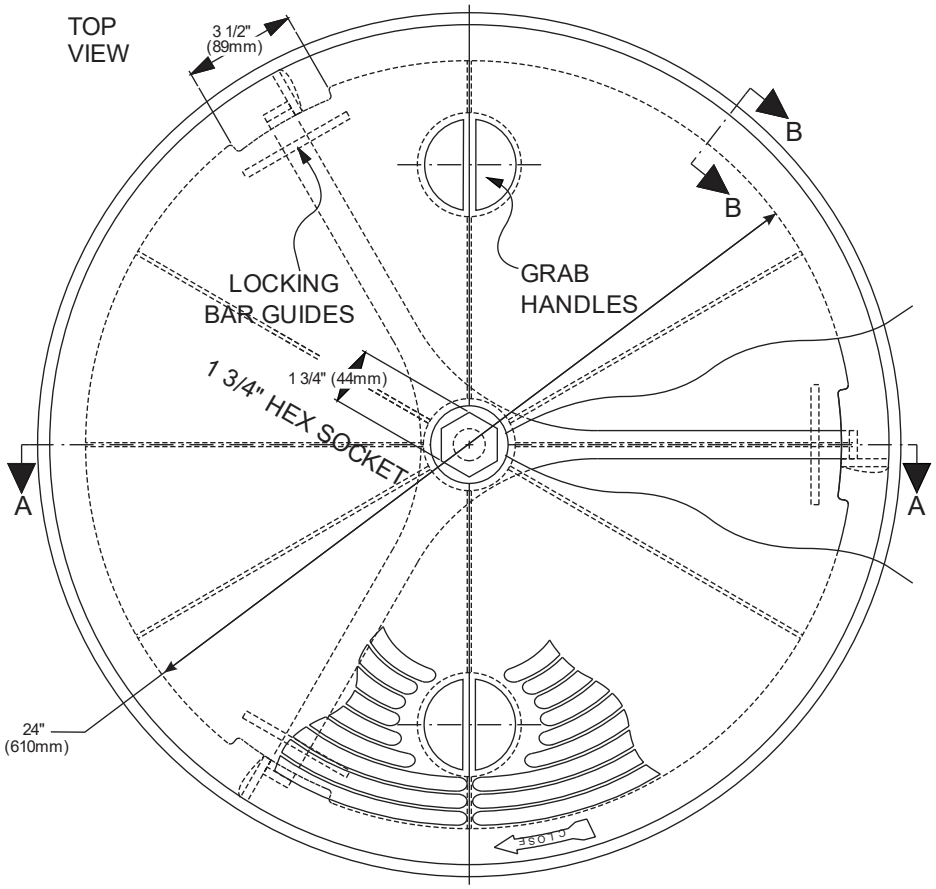
Model	Material	Autocad PDF/DXF
BFHR24A/A	Aluminum / Aluminum	BFHR24A-A
BFHR24A/S	Aluminum / Steel	BFHR24S-S
BFHR24A/SS	Aluminum / Stainless Steel	BFHR24S-S
BFHR24S/S	Steel / Steel	BFHR24S-S
BFHR24S/SS	Steel / Stainless Steel	BFHR24S-S

When ordering please specify:

Cover Material: cast aluminum or galvanized steel
Ring Material: cast aluminum, galvanized steel or stainless steel



Hatch Covers Available Separately



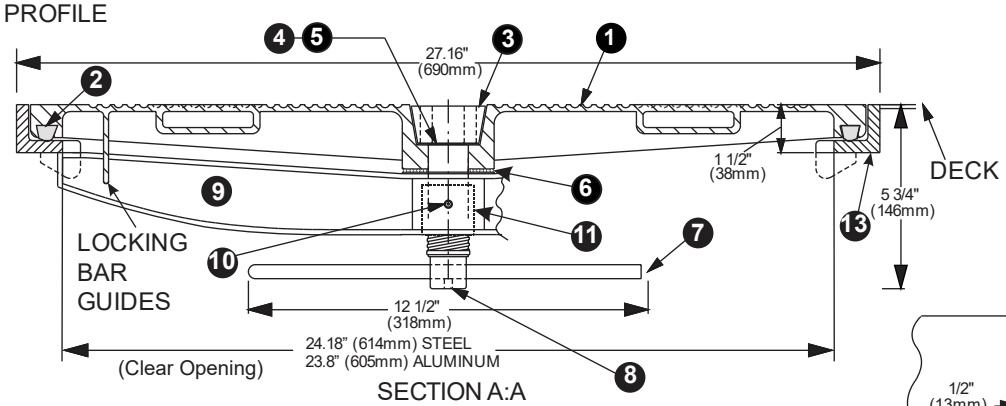
BILL OF MATERIAL: 08861-181

#	DESCRIPTION	MAT	P/N
Cover Kit (parts & kits below AL,ST)			BFHR24A,S
1	COVER	AL,ST	08861-183A,B
2	GASKET	BUNA	08861-704A
Centerbolt Kit (parts below)			UP-CB-HEX-SS-KIT
3	BOLT (1 1/2" Ø)	SS	08861-204A
4	WASHER	SS	08861-205A
5	WASHER	BUNA	08861-701A
6	SPRING	SS	08861-805A
7	ROD (1/2" Ø)	ST	08862-205A
8	ALLEN SET SCREW	SS	06122-801B
Strongback Kit (parts below AL,ST)			BSB24
9	STRONGBACK	AL,ST	08861-185A,B
10	LUBE ZERK	ZNST	08790-803A
11	THREADED INSERT	BR	08861-209B
12	WRENCH	GALV	UP-WRNCH-HEX-ST
13	DECK RING AL	AL	08861-283A
13	DECK RING ST	ST	08861-287A
13	DECK RING SS	SS	08861-287C
13	DECK RING BLACK	SB	08861-287B

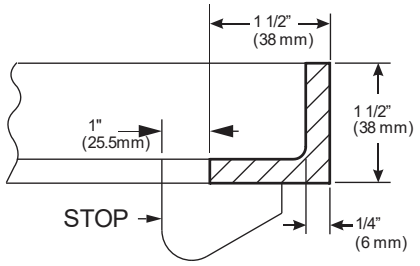
MATERIAL KEY	
AL - ALUMINUM	**SS** - STAINLESS STEEL
ST - GALV. STEEL	**ZNST** - ZINC PLATED ST
SB - BLACK STEEL	**BR** - BRONZE
	BUNA - NITRILE RUBBER

ABS Certified

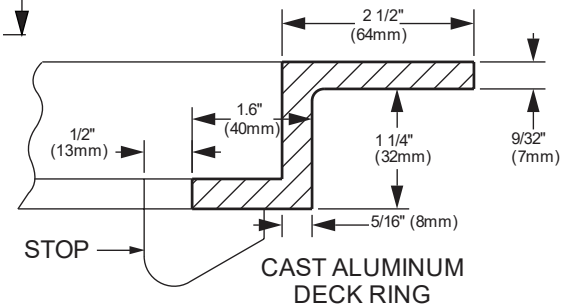
CROSS SECTION
PROFILE



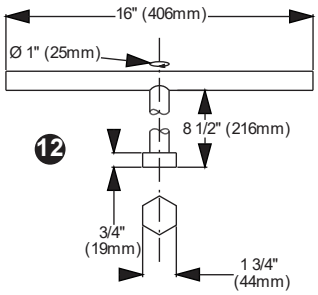
SECTION A:A



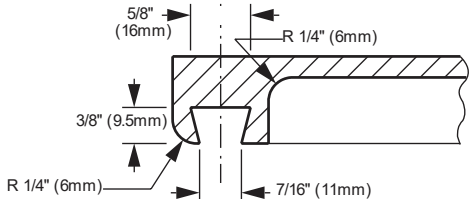
GALVANIZED STEEL
DECK RING



CAST ALUMINUM
DECK RING



WRENCH



GASKET GROOVE,
SECTION B:B

HATCH WEIGHTS LBS.(KGS)		
Model Number	BFHR24	
Material	AL	ST
Cover	40.5 (18.4)	124 (56)
Deck Ring	15 (6.8)	25.3 (11.5)

IMPORTANT:
WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D).
UNITS ARE IDENTIFIED BY CLEAR OPENING.

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LIFT-OUT PLAIN DOGGED TYPE
WITH GRAB HANDLES
TYPE "C" POSITIVE LOCKING

MODEL: BFHR24

DWG. NO. 630

BFHO15X24 - Flush Deck Hatch | Hex Centerbolt | Oval 15" X 24" | Aluminum, Steel

The popular "Classic" Baier Flush Hatch™ is the flush-mounted, quick release, lift-out hatch with grab handles as shown. It has long been standard equipment on fish boats, tugs, barges, workboats, and other marine vessels, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



ABS Certified

FEATURES

- Cast Hatch Cover
- Cast 3-Arm Strongback
- Stainless Steel Hex Centerbolt and hardware Neoprene Cover Gasket and Washers (Buna-N optional)
- Cast / fabricated matching Deck Ring
- Every unit shipped with an underside escape turning bar for safety (turning wheel optional)
- Detachable Hex wrench used for quick operation, can be stored separately for security

STRENGTH, SIMPLICITY and SECURITY

The ultimate in strength and simplicity, Baier's original patented strongback system has only two moving parts to secure the hatch cover to the deck. It is superior to other more complicated hatch closure systems in that it is simpler, stronger, more reliably watertight, infinitely adjustable from topside, and more easily serviced (parts are readily available and replaced in the field). Importantly, the recessed hex centerbolt and grab handles offer no snags for nets, lines or hardware.

MATERIALS

The Classic Model BFH hatch product line is available in both cast aluminum and cast steel. Baier is the only company to offer steel hatch covers which is stronger, more durable, and more impact resistant when compared to iron hatches, especially in cold climates. All of our Steel Cover assemblies and deck rings are hot dip galvanized for superior corrosion resistance. The deck ring is available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Cast stainless steel hatches and fabricated stainless deck rings are available by special order.

Model	Material	Autocad PDF/DXF
BFHO15X24A/A	Aluminum / Aluminum	BFHO15X24A-A
BFHO15X24A/S	Aluminum / Steel	BFHO15X24A-S
BFHO15X24A/SS	Aluminum / Stainless Steel	BFHO15X24A-S
BFHO15X24S/S	Steel / Steel	BFHO15X24S-S
BFHO15X24S/SS	Steel / Stainless Steel	BFHO15X24S-S



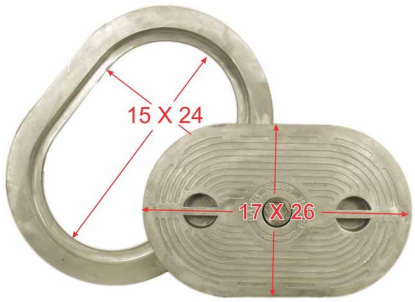
BFHO15X24A/A with Cast Aluminum Deck Ring



BFHO15X24A/S with Galvanized Steel Deck Ring

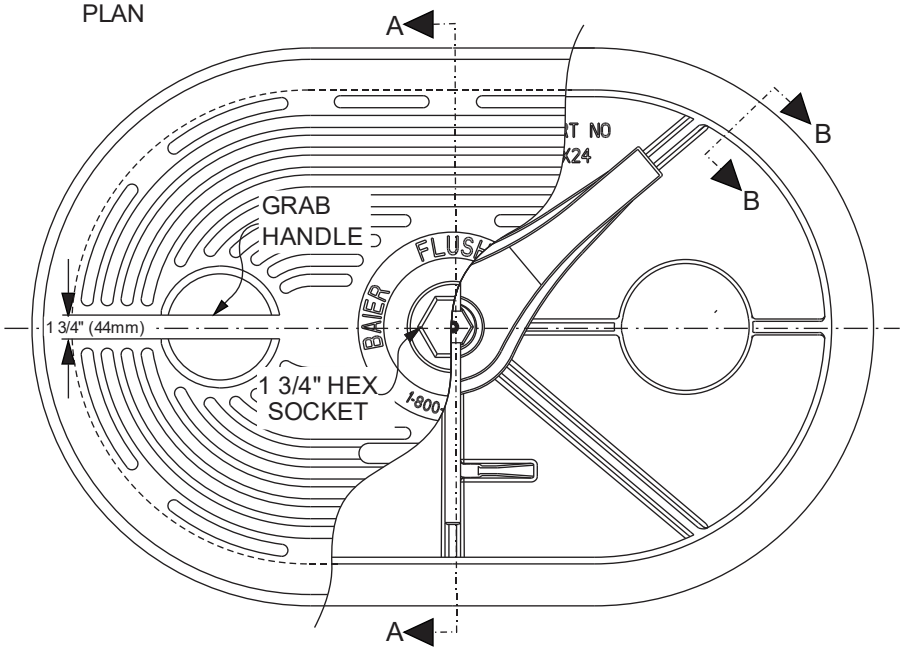
When ordering please specify:

Cover Material: cast aluminum or galvanized steel
Ring Material: cast aluminum, galvanized steel or stainless steel



Hatch Covers Available Separately

PLAN

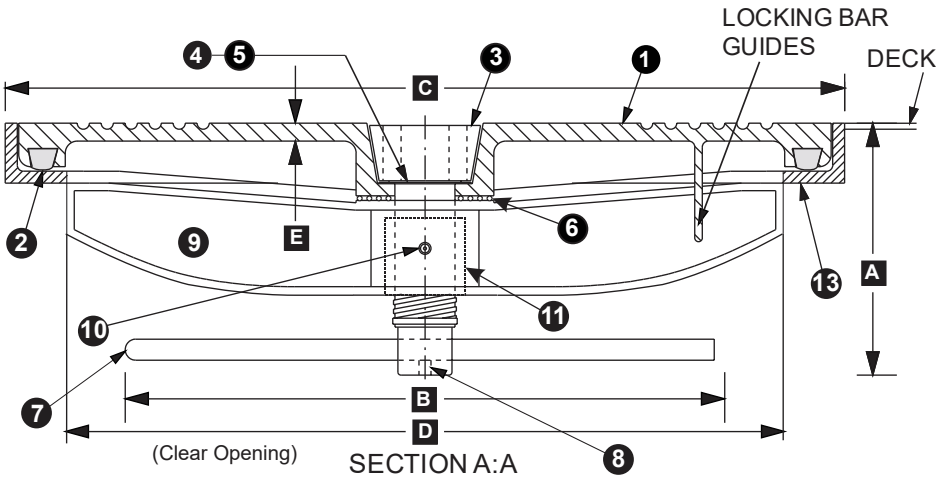


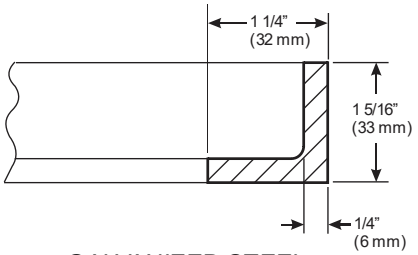
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#	DESCRIPTION	MAT	P/N
Cover Kit (parts & kits below AL,ST)			BFHO15x24A,S
1	COVER	AL,ST	08861-103A,B
2	GASKET	BUNA	08861-702A
Centerbolt Kit (parts below)			UP-CB-HEX-SS-KIT
3	BOLT (1 1/2" Ø)	SS	08861-204A
4	WASHER	SS	08861-205A
5	WASHER	BUNA	08861-701A
6	SPRING	SS	08861-805A
7	ROD (1/2" Ø)	ST	08862-205A
8	ALLEN SET SCREW	SS	06122-801B
Strongback Kit (parts below AL,ST)			BSB16-1/2
9	STRONGBACK	AL,ST	08861-108A,B
10	LUBE ZERK	ZNST	08790-803A
11	THREADED INSERT	BR	08861-209B
12	WRENCH	GALV	UP-WRNCH-HEX-ST
13	DECK RING AL	AL	08861-203A
13	DECK RING ST	ST	08861-207A
13	DECK RING SS	SS	08861-207C
13	DECK RING BLACK	SB	08861-207B

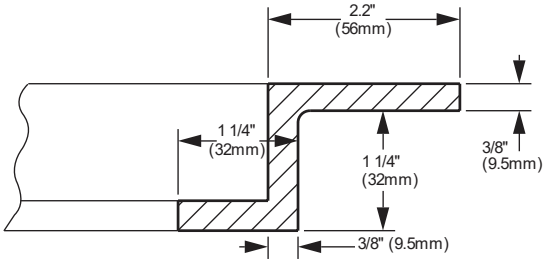
MATERIAL KEY	**SS** - STAINLESS STEEL
AL - ALUMINUM	**ZNST** - ZINC PLATED ST
ST - GALV. STEEL	**BR** - BRONZE
SB - BLACK STEEL	**BUNA** - NITRILE RUBBER

NOTE: BUTT WELD ON STEEL AND ALUMINUM DECKS. BOLT DOWN ON WOOD AND FIBERGLASS DECKS (FLANGES SUPPLIED BLIND – SHIPYARD TO DRILL TO SUIT)

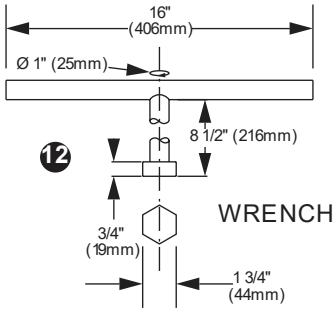




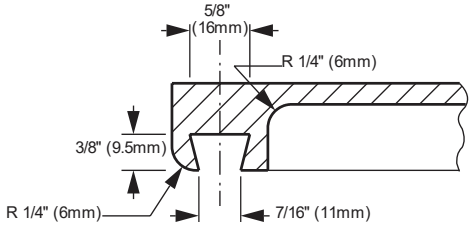
GALVANIZED STEEL DECK RING



CAST ALUMINUM DECK RING



WRENCH



GASKET GROOVE, SECTION B:B

ABS Certified

HATCH WEIGHTS LBS. (KGS)	
Model Number	BFHO15x24
Material	AL ST
Cover	27 (12.3) 77 (35)
Deck Ring	12 (5.4) 10 (4.5)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

Model Number	DIMENSIONS INCHES (mm)					
	A	B	C(L)	C(W)	D(L)	D(W)
BFHO15X24	5 1/2 (140)	12 1/2 (318)	26 5/8 (676)	17 5/8 (447)	24 (610)	15 (381)

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LIFT-OUT PLAIN DOGGED TYPE
WITH GRAB HANDLES
TYPE "C" POSITIVE LOCKING

MODEL: BFHO15X24

DWG. NO. 541

BFHHO15X24 - Flush Deck Hinged Hatch | Hex Centerbolt | Oval 15" X 24" | Aluminum, Steel

The popular "Classic" Baier Flush Hatch™ is the flush-mounted, quick release, lift-out hatch with grab handles as shown. It has long been standard equipment on fish boats, tugs, barges, workboats, and other marine vessels, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



ABS Certified

FEATURES

- Cast Hatch Cover
- Cast Strongback
- Stainless Steel Hex Centerbolt and hardware
- Neoprene Cover Gasket and Washers (Buna-N optional)
- Cast / fabricated matching Deck Ring
- Every unit shipped with an underside escape turning bar for safety (turning wheel optional)
- Detachable Hex wrench used for quick operation, can be stored separately for security

STRENGTH, SIMPLICITY and SECURITY

The ultimate in strength and simplicity, Baier's original patented strongback system has only two moving parts to secure the hatch cover to the deck. It is superior to other more complicated hatch closure systems in that it is simpler, stronger, more reliably watertight, infinitely adjustable from topside, and more easily serviced (parts are readily available and replaced in the field). Importantly, the recessed hex centerbolt and grab handles offer no snags for nets, lines or hardware.

MATERIALS

The Classic Model BFH hatch product line is available in both cast aluminum and cast steel. Baier is the only company to offer steel hatch covers which is stronger, more durable, and more impact resistant when compared to iron hatches, especially in cold climates. All of our Steel Cover assemblies and deck rings are hot dip galvanized for superior corrosion resistance. The deck ring is available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Cast stainless steel hatches and fabricated stainless deck rings are available by special order.

Model	Material	Autocad PDF/DXF
BFHHO15X24A/A	Aluminum / Aluminum	BFHHO15X24A-A
BFHHO15X24A/S	Aluminum / Steel	BFHHO15X24S-S
BFHHO15X24S/S	Steel / Steel	BFHHO15X24S-S



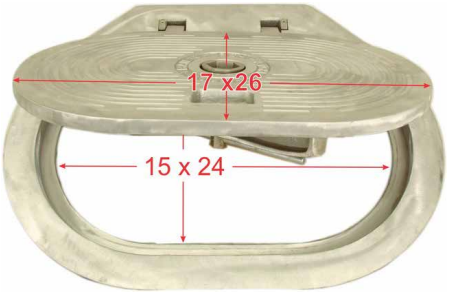
BFHHO15X24A/A with Cast Aluminum Deck Ring



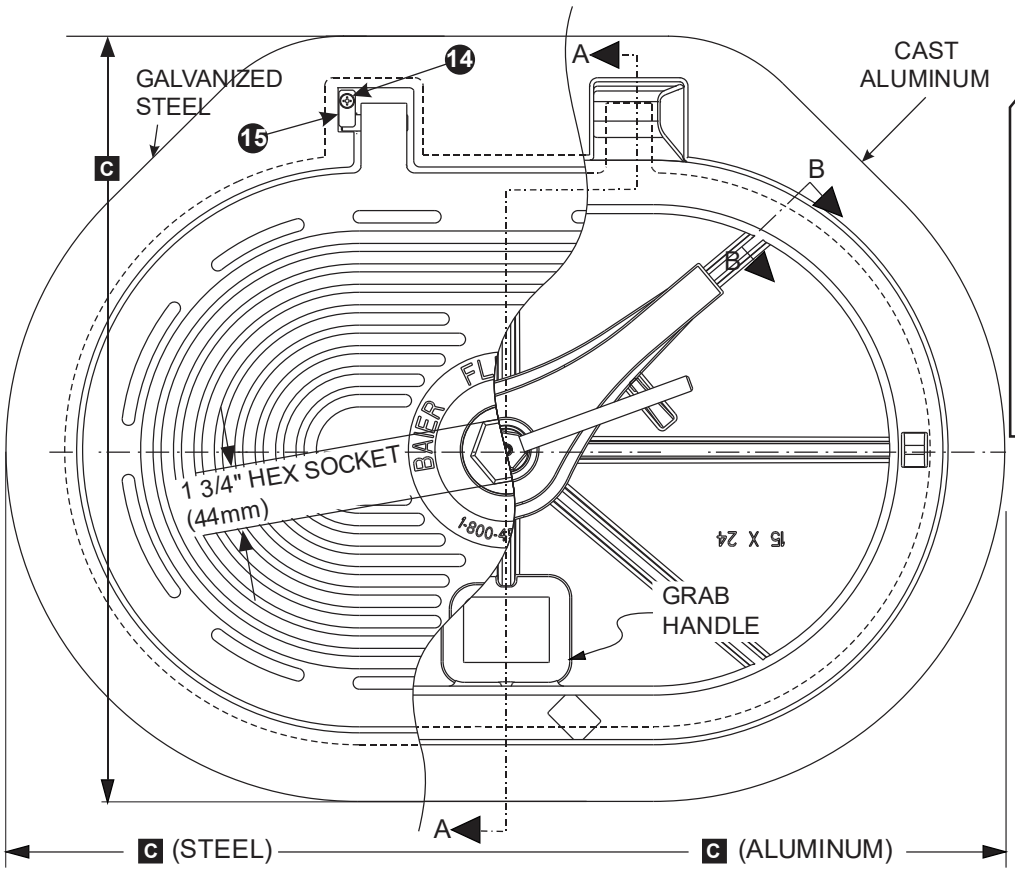
BFHHO15X24A/A Hinged Operation

When ordering please specify:

Cover Material: cast aluminum or galvanized steel
Ring Material: cast aluminum, galvanized steel or stainless steel



Hatch Covers Available Separately

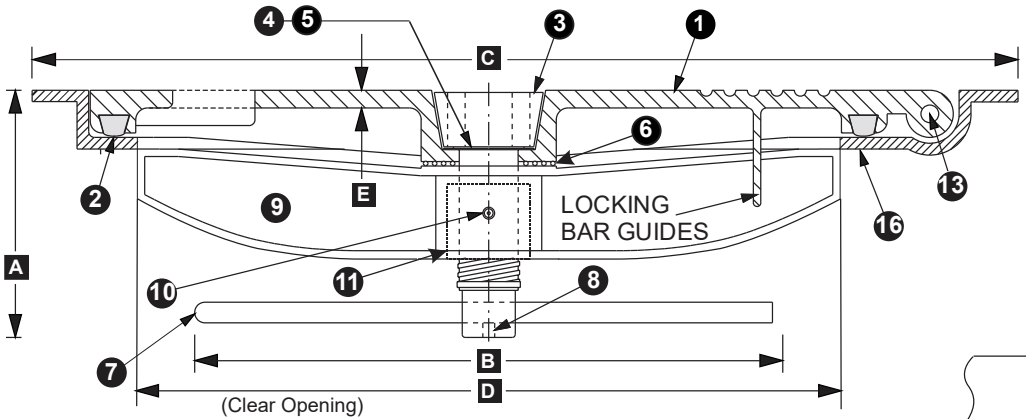


BILL OF MATERIAL: 08861-161

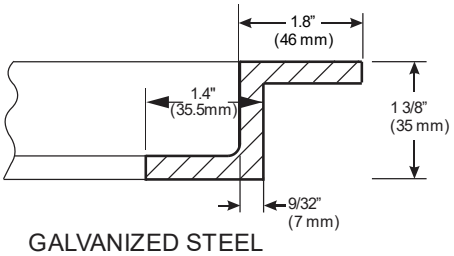
#	DESCRIPTION	MAT	P/N
Cover Kit (parts & kits below AL,ST)			BFHHO15x24
1	COVER	AL,ST	08861-163A,B
2	GASKET	BUNA	08861-702A
Centerbolt Kit (parts below)			UP-CB-HEX-SS-KIT
3	BOLT (1 1/2" Ø)	SS	08861-204A
4	WASHER	SS	08861-205A
5	WASHER	BUNA	08861-701A
6	SPRING	SS	08861-805A
7	ROD (1/2" Ø)	ST	08862-205A
8	ALLEN SET SCREW	SS	06122-801B
Strongback Kit (parts below AL,ST)			BSB16-1/2
9	STRONGBACK	AL,ST	08861-108A,B
10	LUBE ZERK	ZNST	08790-803A
11	THREADED INSERT	BR	08861-209B
12	WRENCH	GALV	UP-WRNCH-HEX-ST
Hinge Kit (Parts Below)			UP-HINGE-KIT
13	(2) PIN ½"DIA X 2.03	SS	08861-804A
14	(2) BRACKET	SS	08861-215A
15	(2) SCREW #12-24 X .5"	SS	08861-803A
16	DECK RING AL	AL	08861-124A
16	DECK RING ST	ST	08861-124B

MATERIAL KEY	**BUNA** - NITRILE RUBBER
AL - ALUMINUM	**ZNST** - ZINC PLATED ST
ST - GALV. STEEL	**BR** - BRONZE
SS - STAINLESS STEEL	

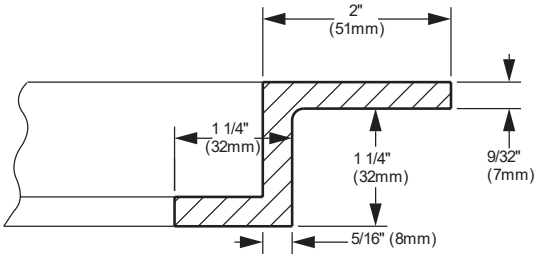
NOTE: BUTT WELD ON STEEL AND ALUMINUM DECKS. BOLT DOWN ON WOOD AND FIBERGLASS DECKS (FLANGES SUPPLIED BLIND – SHIPYARD TO DRILL TO SUIT)



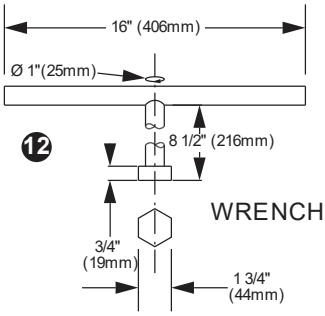
SECTION A:A



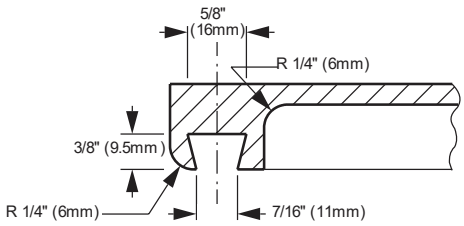
GALVANIZED STEEL DECK RING



CAST ALUMINUM DECK RING



WRENCH



GASKET GROOVE, SECTION B:B

ABS Certified

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHHO15x24	
Material	AL	ST
Cover	32 (14.5)	72 (33)
Deck Ring	11 (5)	29 (13)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

Model Number	DIMENSIONS INCHES (mm)					
	A	B	C (ST)	C (AL)	D	E
BFHHO15X24	5 1/4 (133)	12 1/2 (318)	29 7/8 x 22 1/2 (759 x 571)	30 9/16 x 23 7/16 (776 x 595)	24 x 15 (610 x 381)	.40 (10)

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

HINGED DOGGED TYPE WITH GRAB HANDLES
TYPE "C" POSITIVE LOCKING

MODEL: BFHHO15X24

DWG. NO. 543-1



T-Handle Strongback Flush Hatches

BFHRTH8 - Flush Hatch | Pull-up T-Handle | Round 8" | Aluminum

This popular strongback hatch design series adds the convenience of a built-in recessed Stainless Steel T-handle to the flush-mounted, quick release, lift-out hatch. The design is especially popular on aluminum boats, fishing and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



FEATURES

Unique:

- Cast Hatch Cover (unique no grab handles)
  Stainless Steel Centerbolt and hardware
  Built-in Stainless Steel T-Handle used for quick engagement as well as lifting
  Turning wheel optional

Shared With Classic HEX-Bolt Series:

- Cast Strongback
  Cast / fabricated matching Deck Ring
  Neoprene Cover Gasket and Washers (Buna-N optional)
  Every unit shipped with an underside escape turning bar for safety

STRENGTH, SIMPLICITY and CONVENIENCE

The T-Handle Strongback system has only three moving parts to secure the hatch cover to the deck. Like the Classic HEX it is simple, strong, reliably watertight, infinitely adjustable from topside, and easily serviced (parts are readily available and replaced in the field).

MATERIALS

The T-Handle Strongback hatch cover product line is available only in cast aluminum. The deck rings used are the same as the Classic HEX and are available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Stainless deck rings are available by special order.

ABS Certified

Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHRTH8A/A	Aluminum / Aluminum	BFHRTH8A-A DXF (ZIP)
BFHRTH8A/S	Aluminum / Steel	BFHRTH8A-S

When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel, or stainless steel.

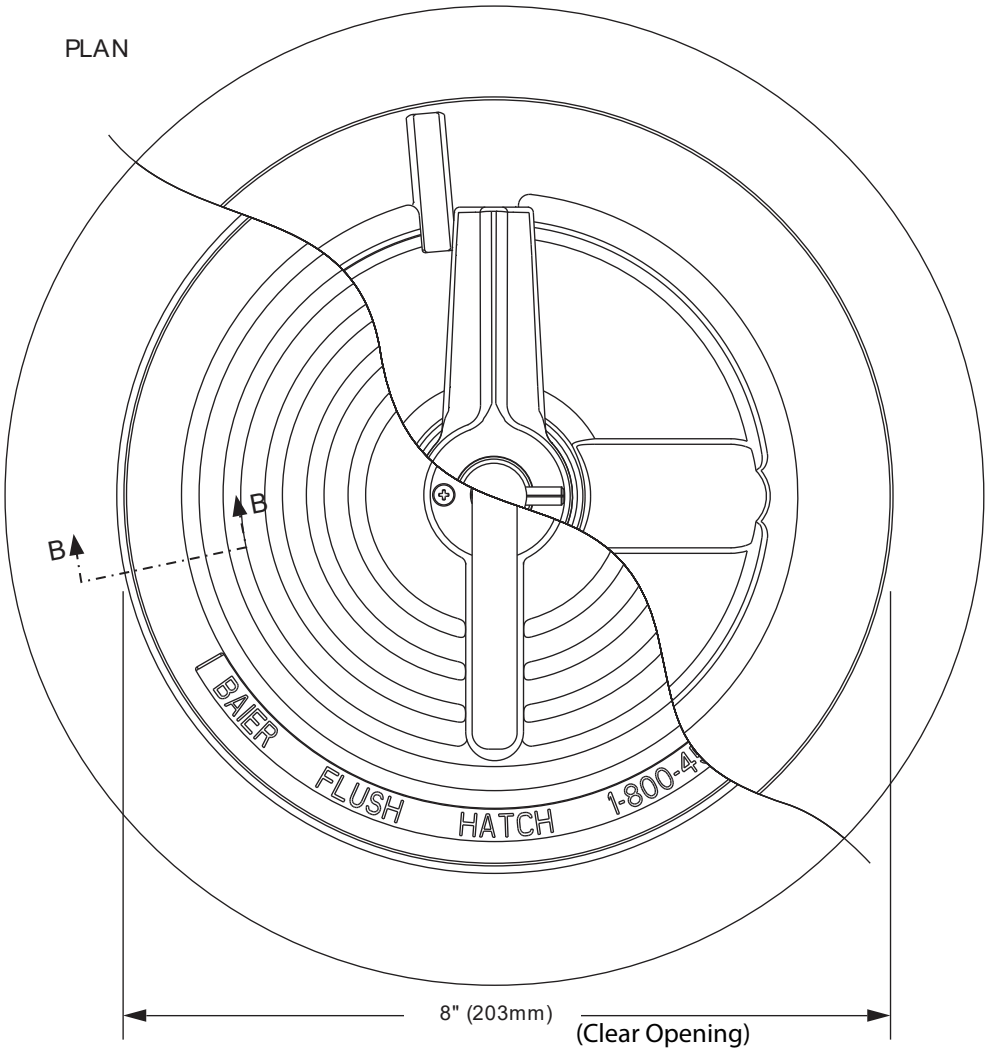


Hatch Covers Available Separately



BFHRTH8A/A with Cast Aluminum Deck Ring

PLAN

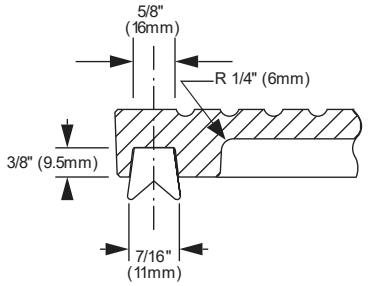


BILL OF MATERIAL: 08863-110A

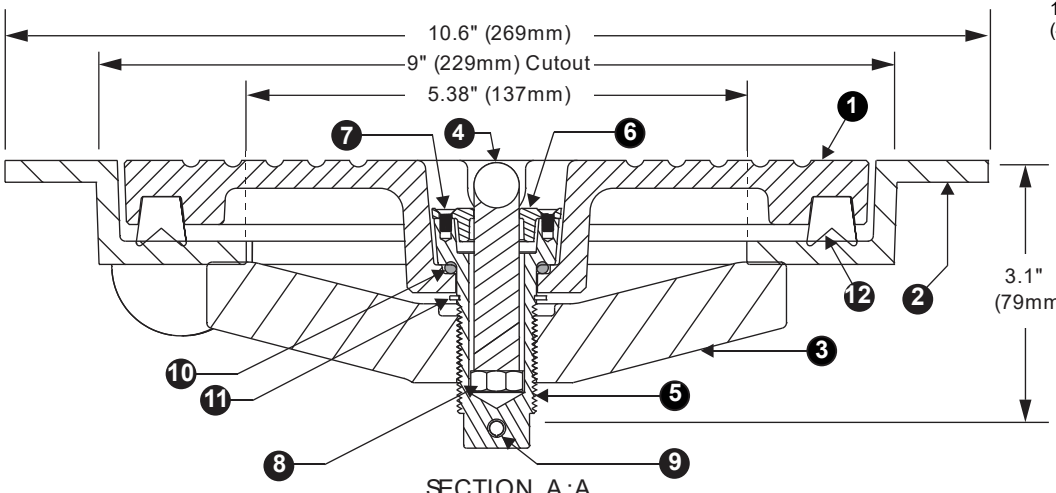
#	DESCRIPTION	MAT	P/N
1	COVER	AL	08863-108A
2	DECK RING	AL,ST	08863-213A,B
3	STRONGBACK	AL	08863-217A
4	T-HANDLE	SS	08863-402A
5	CENTER BOLT	SS	08863-216A
6	COVER PLATE	SS	WITH T-HNDL
7	(4) SCREW M3 x .5	SS	08863-803A
8	BOLT, M8	SS	WITH T-HNDL
9	PIN 5mm x 35 mm	SS	08863-802A
10	O-RING	BUNA	08863-706A
11	RETAINER RING	SS	08863-806A
12	GASKET	BUNA	08863-707A

MATERIAL KEY	**BUNA** - NITRILE RUBBER
AL - ALUMINUM	**ZNST** - ZINC PLATED ST
ST - GALV. STEEL	**BR** - BRONZE
SS - STAINLESS STEEL	

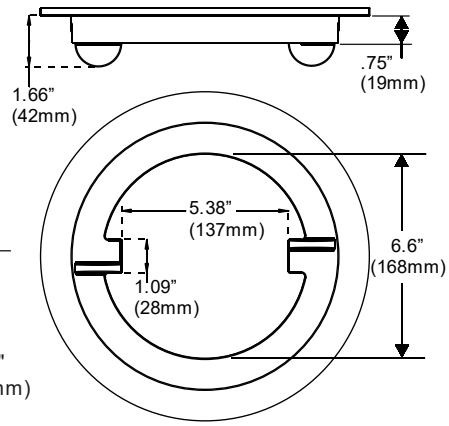
NOTE: BUTT WELD ON STEEL AND ALUMINUM DECKS. BOLT DOWN ON WOOD AND FIBERGLASS DECKS (FLANGES SUPPLIED BLIND – SHIPYARD TO DRILL TO SUIT)



GASKET GROOVE,
SECTION B:B



SECTION A:A



ABS Certified

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHRTH8	
Material	AL	ST
Cover	3.5 (1.6)	N/A
Deck Ring	3 (1.4)	5.5 (2.5)

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LIFT-OUT PLAIN DOGGED TYPE
WITH BUILT-IN T-HANDLE
TYPE "C" POSITIVE LOCKING

MODEL BFHRTH8

DWG. NO. 08863-110A

BFHRTH20 - Flush Hatch | Pull-up T-Handle | Round 20" | Aluminum

This popular strongback hatch design series adds the convenience of a built-in recessed Stainless Steel T-handle to the flush-mounted, quick release, lift-out hatch. The design is especially popular on aluminum boats, fishing and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



FEATURES

Unique:

- Cast Hatch Cover (unique no grab handles)
- Stainless Steel Centerbolt and hardware
- Built-in Stainless Steel T-Handle used for quick engagement as well as lifting
- Turning wheel optional

Shared With Classic HEX-Bolt Series:

- Cast Strongback
- Cast / fabricated matching Deck Ring
  Neoprene Cover Gasket and Washers (Buna-N optional)
- Every unit shipped with an underside escape turning bar for safety

STRENGTH, SIMPLICITY and CONVENIENCE

The T-Handle Strongback system has only three moving parts to secure the hatch cover to the deck. Like the Classic HEX it is simple, strong, reliably watertight, infinitely adjustable from topside, and easily serviced (parts are readily available and replaced in the field).

MATERIALS

The T-Handle Strongback hatch cover product line is available only in cast aluminum. The deck rings used are the same as the Classic HEX and are available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Stainless deck rings are available by special order.

ABS Certified

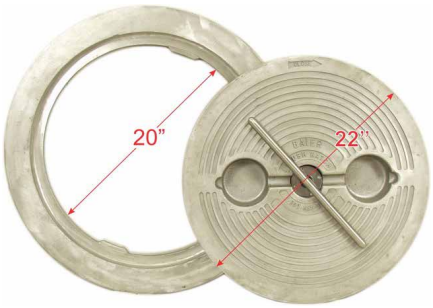
Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHRTH20A/A	Aluminum / Aluminum	BFHRTH20A-A DXF (ZIP)
BFHRTH20A/S	Aluminum / Steel	BFHRTH20A-S DXF (ZIP)
BFHRTH20A/SS	Aluminum / Stainless Steel	BFHRTH20A-SS DXF (ZIP)



BFHRTH20A/A with Cast Aluminum Deck Ring

When ordering please specify:

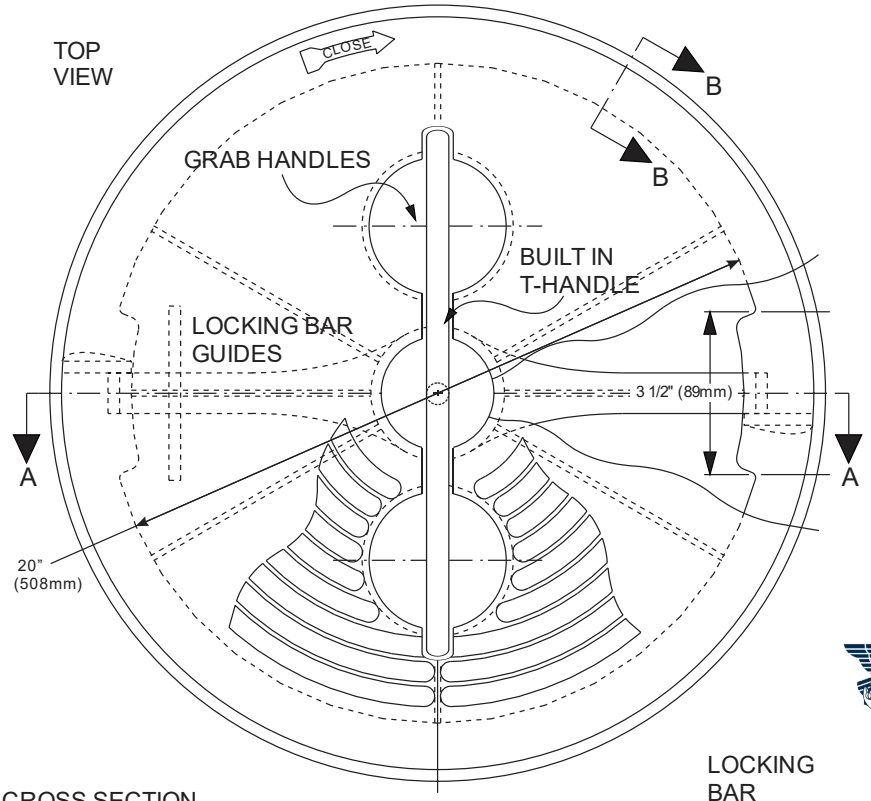
Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel, or stainless steel.



Hatch Covers Available Separately



BFHRTH20A/S with Galvanized Steel Deck Ring



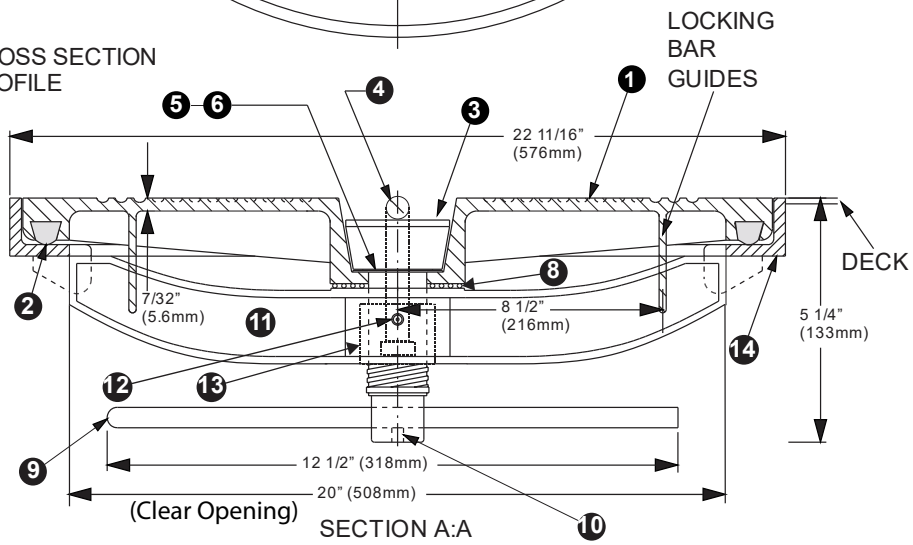
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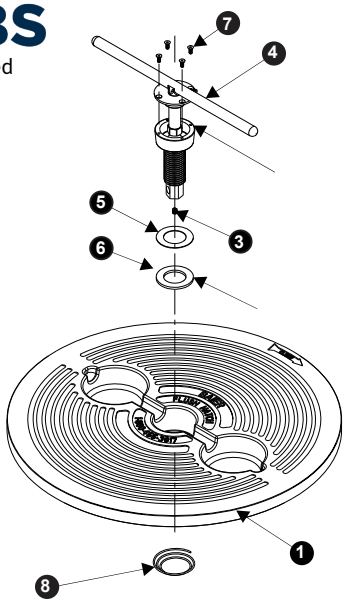
#	DESCRIPTION	MAT	P/N
Cover Kit (parts & kits below AL)			08861-132A
1	COVER	AL	08861-133A
2	GASKET	BUNA	08861-702A
Centerbolt Kit (parts below)			UP-CB-THNDL-SS
3	BOLT (1 1/2" Ø)	SS	08861-214A
4	T-HANDLE KIT	SS	08862-117A
5	WASHER	SS	08861-206A
6	WASHER	BUNA	08861-701A
7	(4) SCREW 10-24x.5	SS	08861-801A
8	SPRING	SS	08861-805A
9	ROD (1/2" Ø)	ST	08862-205A
10	ALLEN SET SCREW	SS	06122-801B
Strongback Kit (parts below AL)			BSB20TH-A
11	STRONGBACK	AL	08861-138A
12	LUBE ZERK	ZNST	08790-803A
13	THREADED INSERT	BR	08861-209B
14	DECK RING AL	AL	08861-233A
14	DECK RING ST	ST	08861-297A
14	DECK RING SS	SS	08861-297C
14	DECK RING BLACK	SB	08861-297B

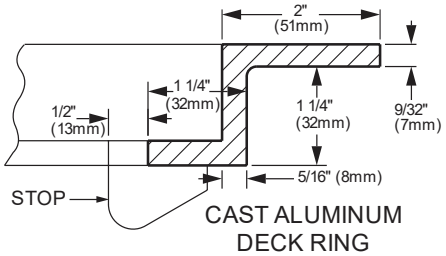
MATERIAL KEY	**SS** - STAINLESS STEEL
AL - ALUMINUM	**ZNST** - ZINC PLATED ST
ST - GALV. STEEL	**BR** - BRONZE
SB - BLACK STEEL	**BUNA** - NITRILE RUBBER

ABS Certified

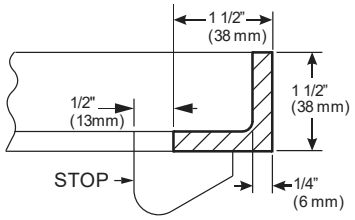
CROSS SECTION
PROFILE







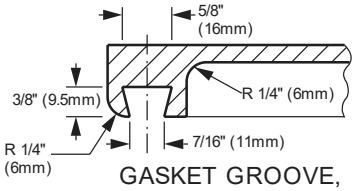
CAST ALUMINUM
DECK RING



GALVANIZED STEEL
DECK RING

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHRTH20	
Material	AL	ST
Cover	30 (13.6)	N/A
Deck Ring	11 (5)	11 (5)



GASKET GROOVE,
SECTION B:B

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LIFT-OUT PLAIN DOGGED TYPE
WITH BUILT-IN T-HANDLE
TYPE "C" POSITIVE LOCKING

MODEL BFHRTH20

DWG. NO. 200

BFHOTH15X24 - Flush Hatch | Pull-up T-Handle | Oval 15" X 24"| Aluminum

This popular strongback hatch design series adds the convenience of a built-in recessed Stainless Steel T-handle to the flush-mounted, quick release, lift-out hatch. The design is especially popular on aluminum boats, fishing and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



FEATURES

Unique:

- Cast Hatch Cover (unique no grab handles)
- Stainless Steel Centerbolt and hardware
- Built-in Stainless Steel T-Handle used for quick engagement as well as lifting
- Turning wheel optional

Shared With Classic HEX-Bolt Series:

- Cast Strongback
- Cast / fabricated matching Deck Ring
- Neoprene Cover Gasket and Washers (Buna-N optional)
- Every unit shipped with an underside escape turning bar for safety

STRENGTH, SIMPLICITY and CONVENIENCE

The T-Handle Strongback system has only three moving parts to secure the hatch cover to the deck. Like the Classic HEX it is simple, strong, reliably watertight, infinitely adjustable from topside, and easily serviced (parts are readily available and replaced in the field).

Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHOTH15X24A/A	Aluminum / Aluminum	BFHOTH15X24A-A DXF (ZIP)
BFHOTH15X24A/S	Aluminum / Steel	BFHOTH15X24A-S
BFHOTH15X24A/SS	Aluminum / Stainless Steel	BFHOTH15X24A-SS

MATERIALS

The T-Handle Strongback hatch cover product line is available only in cast aluminum. The deck rings used are the same as the Classic HEX and are available in galvanized mild steel (for welding into steel decks), or cast aluminum (for welding into aluminum decks or bolting to fiberglass or wood decks). Stainless deck rings are available by special order.

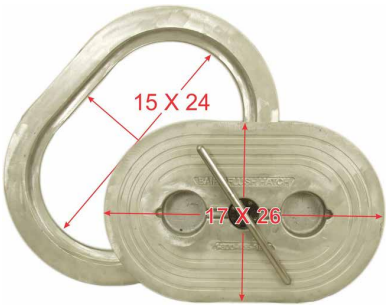
ABS Certified



BFHOTH15X24A/A with Cast Aluminum Deck Ring

When ordering please specify:

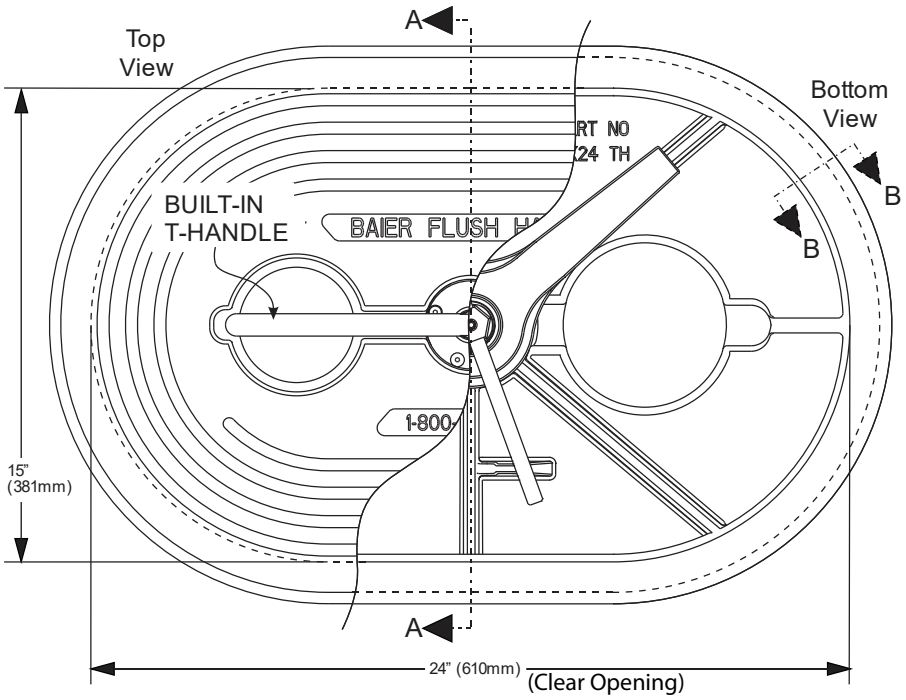
Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel, or stainless steel.



Hatch Covers Available Separately



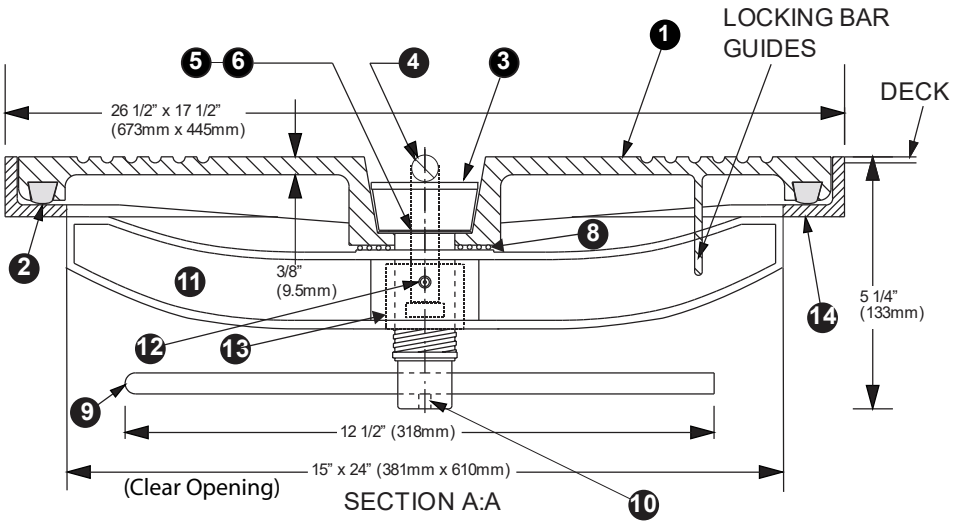
BFHOTH15X24A/S with Galvanized Steel Deck Ring

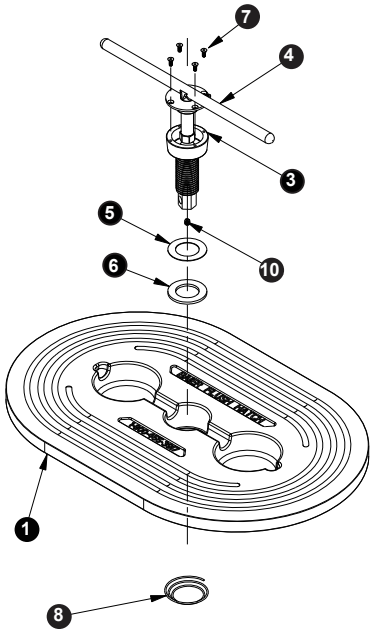


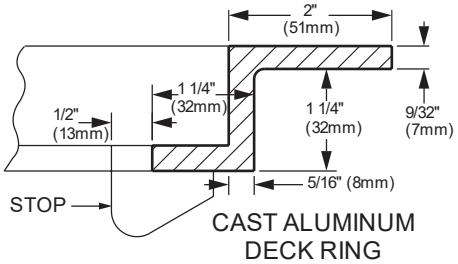
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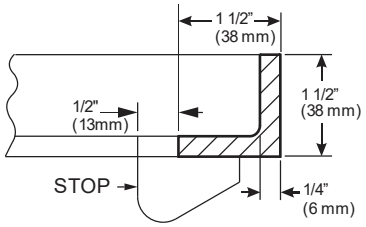
#	DESCRIPTION	MAT	P/N
Cover Kit (parts & kits below AL)			08861-112A
1	COVER	AL	08861-113A
2	GASKET	BUNA	08861-702A
Centerbolt Kit (parts below)			UP-THNDL-SS
3	BOLT (1 1/2" Ø)	SS	08861-214A
4	T-HANDLE ASSY	SS	08862-117A
5	WASHER	SS	08861-206A
6	WASHER	BUNA	08861-701A
7	(4) SCREW 10-24x.5	SS	08861-801A
8	SPRING	SS	08861-805A
9	ROD (1/2" Ø)	ST	08861-205A
10	ALLEN SET SCREW	SS	06122-801B
Strongback Kit (parts below AL)			BSB15X24TH
11	STRONGBACK KIT	AL	08861-128A
12	LUBE ZERK	ZNST	08790-803A
13	THREADED INSRT	BR	08861-209B
Deck Rings (Material Specific)			
14	DECK RING AL	AL	08861-203A
14	DECK RING ST	ST	08861-207A
14	DECK RING SS	SS	08861-207C
14	DECK RING BLACK	SB	08861-207B

MATERIAL KEY	**SS** - STAINLESS STEEL
AL - ALUMINUM	**ZNST** - ZINC PLATED ST
ST - GALV. STEEL	**BR** - BRONZE
SB - BLACK STEEL	**BUNA** - BUNA RUBBER

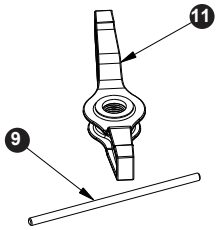






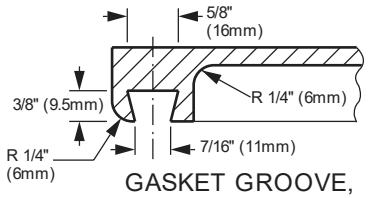


ABS Certified



IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

HATCH WEIGHTS LBS. (KGS)	
Model Number	BFHO15X24 TH
Material	AL
Cover	31 (14)
Deck Ring	9 (4.1)



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1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LIFT-OUT DOGGED TYPE WITH BUILT-IN T-HANDLE
TYPE "C" POSITIVE LOCKING

MODEL BFHOTH15x24

DWG. NO. 500



Quick-Acting 4-Dog Hatches

BFHQTH20 - Watertight Flush Hatch | Quick Acting | Round 20" | Aluminum

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where speed and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. The design is especially popular on aluminum boats, fishing and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



FEATURES

Unique

- Adjustable Dog Tensioners that provide equal tension on all points ensure a water-tight seal
- Built-in "Never Lose" handle
- A simple 1/8th-turn of the handle provides smooth, easy and secure engagement
- Thicker Dog Arms for superior strength
- Positive visual verification: When the handle is down, the hatch is secured
- Inside escape bar on all units (optional inside turning wheel available)
- Subtle design improvements make the BFHQ stronger, more watertight than our competitors' similar units

Shared With Classic HEX-Bolt Series:

- Cast from high-grade corrosion-resistant 356 aluminum alloy (ASTM B26)
- Maximum durability, stronger deck strength and impact resistance
- Stainless steel T-handle and operating hardware
- Dissimilar metals isolated by neoprene and nylon

- **WATERTIGHT**
- Machined surfaces and superior casting processes control tolerances
- Neoprene cover gasket and sealing ring ensure tight seal

MATERIALS

Currently, the 4-dog BFHQ series hatch cover assemblies are available only in cast aluminum. However, the deck rings for the BFHQ are the same size as the Strongback models, and are available in galvanized mild steel or cast aluminum. Stainless Steel deck rings are available by special order.

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.



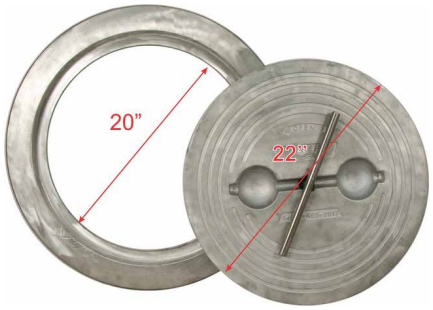
BFHQTH20A/A with Cast Aluminum Deck Ring



BFHQTH20A/A with Optional Handwheel

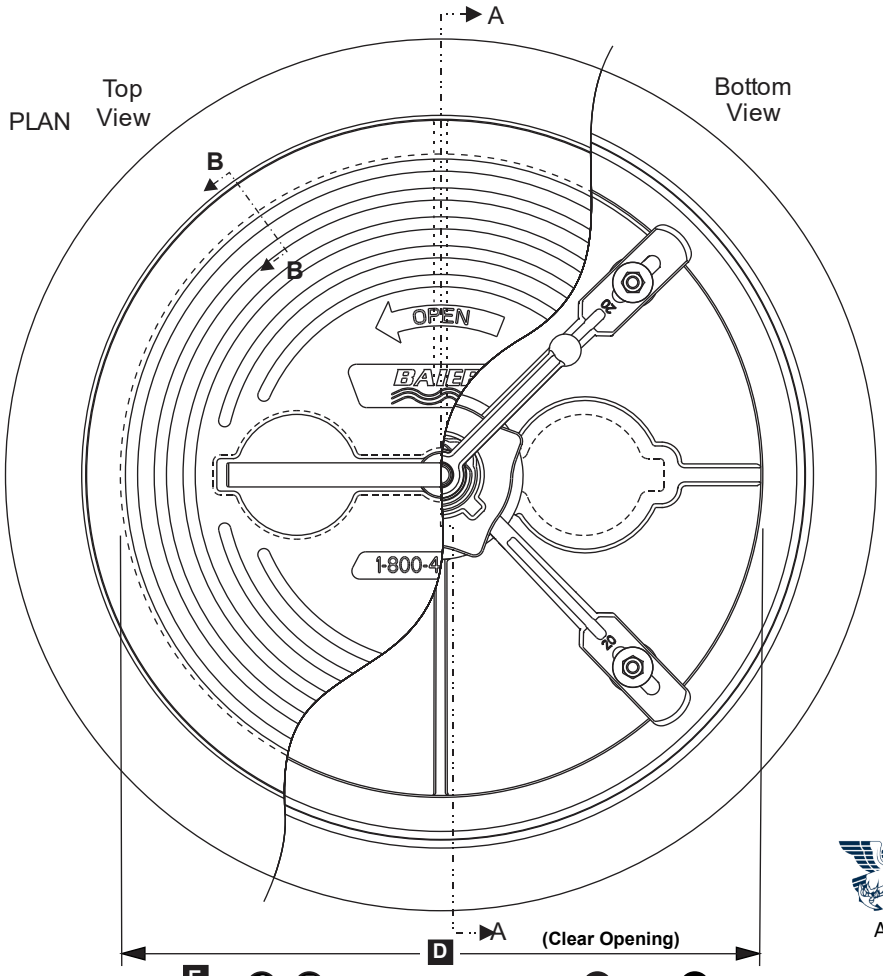
When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel, or stainless steel.



Hatch Covers Available Separately

Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHQTH20A/A	Aluminum / Aluminum	BFHQTH20A-A DXF (ZIP)
BFHQTH20A/S	Aluminum / Steel	
BFHQTH20A/SS	Aluminum / Stainless Steel	

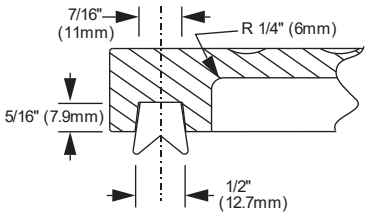


BILL OF MATERIAL: 08864-105

#	DESCRIPTION	MAT	P/N
1	COVER	AL	08864-201A
2	DOG HUB ASSY	AL	08864-102A
3	(4) DOG ARM	AL	08864-209A
4	GASKET	BUNA	08864-703A
BUSHING, O-RING KIT W/ SLEEVE 08864-170A			
5	BUSHING		08864-804A + 205A
6	O-RING	BUNA	08864-702A
7	T-HANDLE	SS	08864-401A
8	DECK RING AL	AL	08864-210A
8	DECK RING ST	ST	08864-207A
9	ESCAPE HANDLE	AL	08864-213A
10	HANDLE PIN	SS	08864-801A
11	(4) THREADED POST	SS	08864-802A
12	(4) WASHER	SS	08864-805A
13	(4) WASHER	UP	08864-803A
14	(4) NYLOCK NUT M10	SS	08864-807A

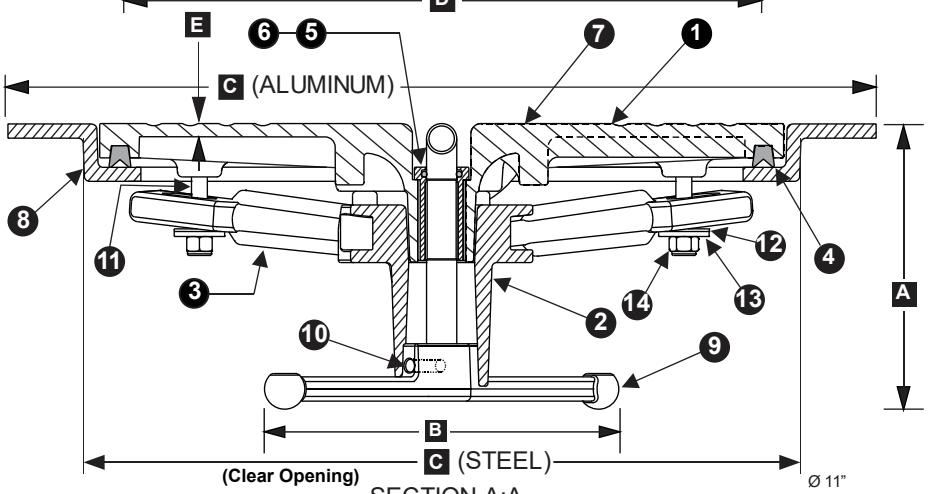
MATERIAL KEY

AL - ALUMINUM
ST - GALV. STEEL
SS - STAINLESS STEEL
UP - UHMW POLY
BUNA - NITRILE RUBBER

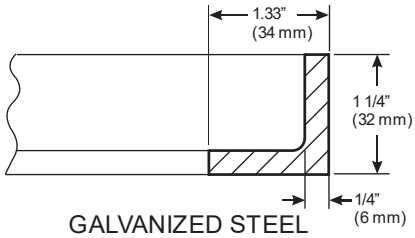


GASKET GROOVE, SECTION B:B

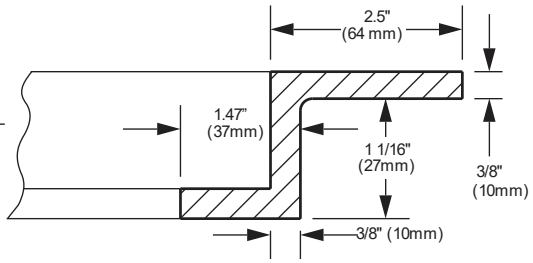
ABS Certified



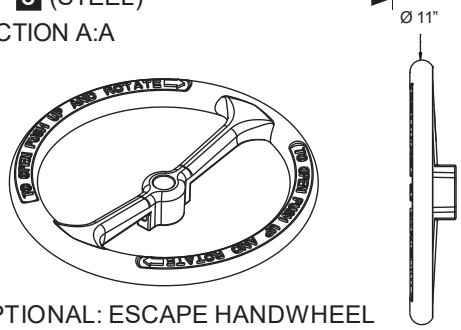
SECTION A:A



GALVANIZED STEEL DECK RING



CAST ALUMINUM DECK RING



OPTIONAL: ESCAPE HANDWHEEL
(REPLACES ESCAPE HANDLE)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHQTH20	
Material	AL	ST
Cover	27 (12.2)	N/A
Deck Ring	10 (4.5)	11 (5)

Model Number	DIMENSIONS INCHES (mm)					
	A	B	C (ST)	C (AL)	D	E
BFHQTH20	7 1/16 (179)	12 (305)	22 11/16 (576)	27 3/16 (691)	20 (508)	5/16 (8)

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LIFT-OUT MULTI-DOGGED TYPE
WITH BUILT-IN T-HANDLE
TYPE "D" QUICK ACTING
POSITIVE LOCK

MODEL BFHQTH20

DWG. 08864-105

BFHQTH15X24 - Watertight Hatch | Quick Acting | Oval 15" X 24" | Aluminum

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where speed and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. The design is especially popular on aluminum boats, fishing and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



FEATURES

Unique

- Adjustable Dog Tensioners that provide equal tension on all points ensure a water-tight seal
- Built-in “Never Lose” handle
- A simple 1/8th-turn of the handle provides smooth, easy and secure engagement
- Thicker Dog Arms for superior strength
- Positive visual verification: When the handle is down, the hatch is secured
- Inside escape bar on all units (optional inside turning wheel available)
- Subtle design improvements make the BFHQ stronger, more watertight than our competitors' similar units

Shared with Classic Hex-Bolt Series

- Cast from high-grade corrosion-resistant 356 aluminum alloy (ASTM B26)
- Maximum durability, stronger deck strength and impact resistance
- Stainless steel T-handle and operating hardware
- Dissimilar metals isolated by neoprene and nylon

WATERTIGHT

- Machined surfaces and superior casting processes control tolerances
- Neoprene cover gasket and sealing ring ensure tight seal

MATERIALS

Currently, the 4-dog BFHQ series hatch cover assemblies are available only in cast aluminum. However, the deck rings for the BFHQ are the same size as the Strongback models, and are available in galvanized mild steel or cast aluminum. Stainless Steel deck rings are available by special order.

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.



BFHQTH15X24A/A with Cast Aluminum Deck Ring



BFHQTH15X24A/A with Optional Handwheel

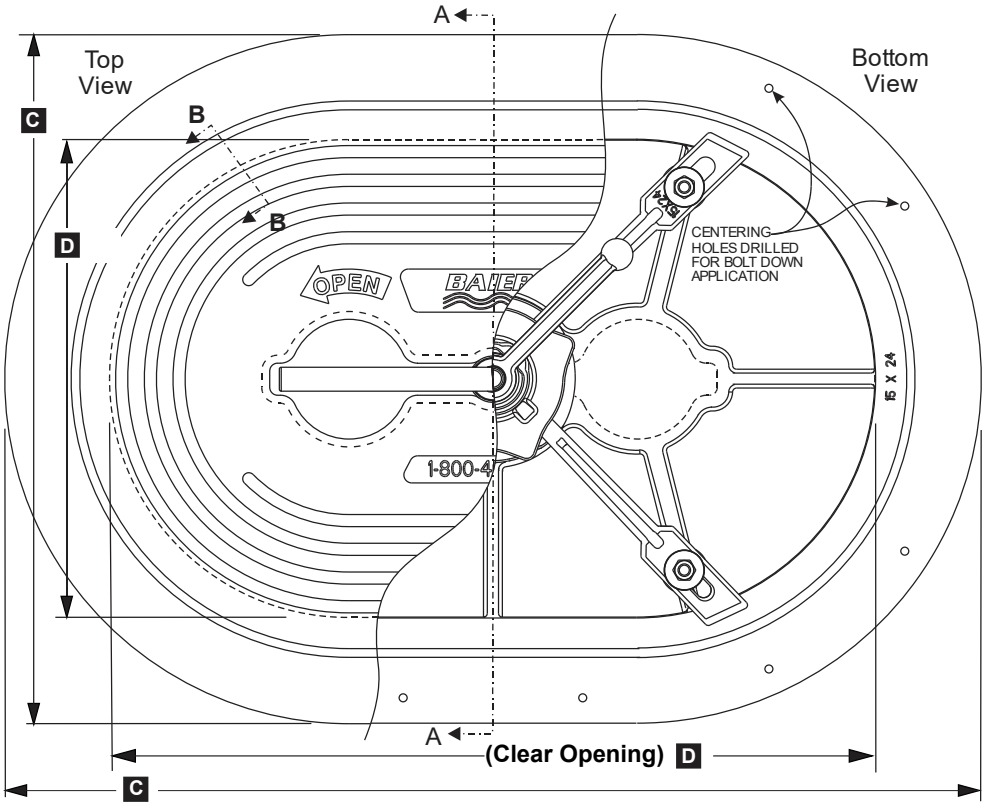
When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel, or stainless steel.



Hatch Covers Available Separately

Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHQTH15X24A/A	Aluminum / Aluminum	BFHQTH15X24A-A DXF (ZIP)
BFHQTH15X24A/S	Aluminum / Steel	
BFHQTH15X24A/SS	Aluminum / Stainless Steel	

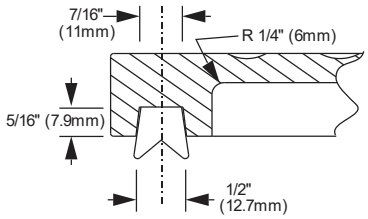


BILL OF MATERIAL: 08864-101

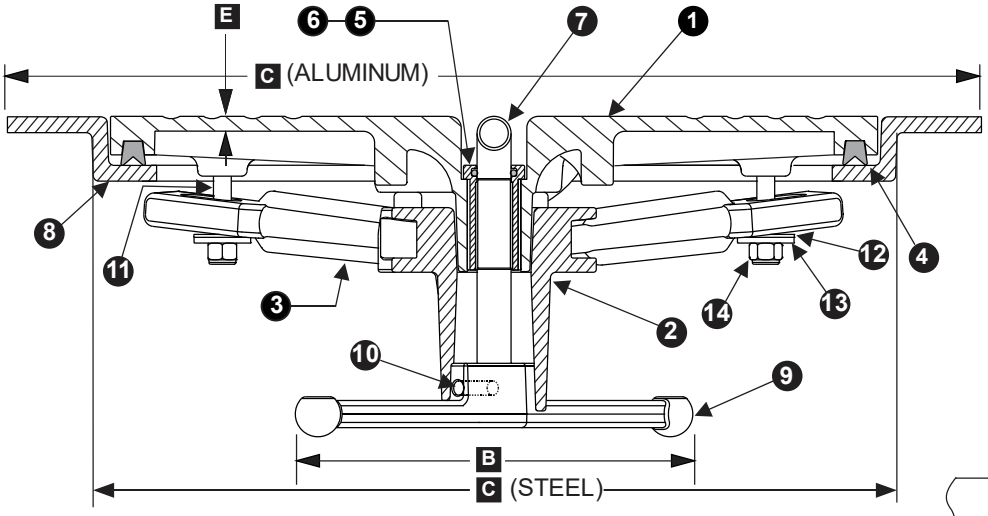
#	DESCRIPTION	MAT	P/N
1	COVER	AL	08864-201A
2	DOG HUB ASSY	AL	08864-102A
3	(4) DOG ARM	AL	08864-203A
4	GASKET	BUNA	08864-701A
BUSHING, O-RING KIT W/ SLEEVE 08864-170A			
5	BUSHING		08864-804A + 205A
6	O-RING	BUNA	08864-702A
7	T-HANDLE	SS	08864-401A
8	DECK RING AL	AL	08861-203A
8	DECK RING ST	ST	08861-207A
9	ESCAPE HANDLE	AL	08864-213A
10	HANDLE PIN	SS	08864-801A
11	(4) THREADED POST	SS	08864-802A
12	(4) WASHER	SS	08864-805A
13	(4) WASHER	UP	08864-803A
14	(4) NYLOCK NUT M10	SS	08864-807A

MATERIAL KEY

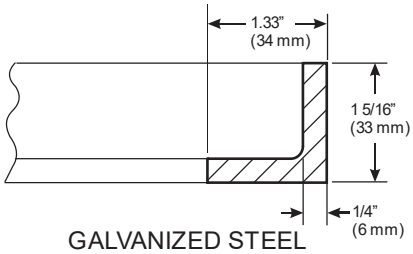
AL - ALUMINUM
ST - GALV. STEEL
SS - STAINLESS STEEL
UP - UHMW POLY
BUNA - NITRILE RUBBER



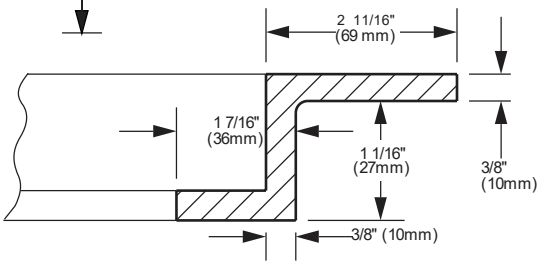
GASKET GROOVE, SECTION B:B



SECTION A:A



GALVANIZED STEEL DECK RING



CAST ALUMINUM DECK RING

ABS Certified



OPTIONAL ESCAPE HANDWHEEL (REPLACES ESCAPE HANDLE)

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHQTH15X24	
Material	AL	ST
Cover	25.8 (11.7)	N/A
Deck Ring	9 (4.1)	12 (5.4)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

Model Number	DIMENSIONS INCHES (mm)					
	A	B	C (AL)	C (ST)	D	E
BFHQTH15X24	7 1/16 (179)	12 (305)	30 7/16 x 21 7/16 (777 x 548)	26 1/2 x 17 1/2 (673 x 445)	24 x 15 (610 x 381)	1/4 (6)

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206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LIFT-OUT MULTI-DOGGED TYPE
WITH BUILT-IN T-HANDLE
TYPE "D" QUICK ACTING
POSITIVE LOCK

MODEL BFHQTH15X24

DWG. 08864-101

BFHQTH24X24 - Watertight Hatch | Quick Acting | Square 24" X 24" | Aluminum

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where speed and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. The design is especially popular on aluminum boats, fishing and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels.



FEATURES

- Adjustable Dog Tensioners that provide equal tension on all points, ensuring a watertight seal
- Built-in “Never Lose” handle
- A simple 1/8th-turn of the handle provides smooth, easy and secure engagement
- Thicker Dog Arms for superior strength
- Positive visual verification: When the handle is down, the hatch is secured
- Inside escape bar on all units (optional inside turning wheel available)
- Subtle design improvements make the BFHQ stronger, more water-tight than our competitors' similar units

Shared With Classic HEX-Bolt Series:

- Cast from high-grade corrosion-resistant 356 aluminum alloy (ASTM B26)
- Maximum durability, stronger deck strength and impact resistance
- Stainless steel T-handle and operating hardware
- Dissimilar metals isolated by neoprene and nylon

MATERIALS

Currently, the 4-dog BFHQ series hatch cover assemblies are available only in cast aluminum. However, the deck rings for the BFHQ are the same size as the Strongback models, and are available in galvanized mild steel or cast aluminum. Stainless Steel deck rings are available by special order.

WATER-TIGHT

- Machined surfaces and superior casting processes control tolerances
- Neoprene cover gasket and sealing ring ensure tight seal

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.



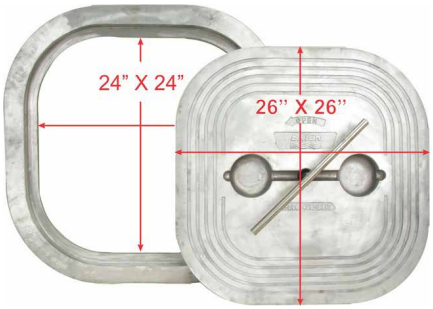
BFHQTH24X24A/A with Cast Aluminum Deck Ring



BFHQTH24X24A/S with Optional Handwheel

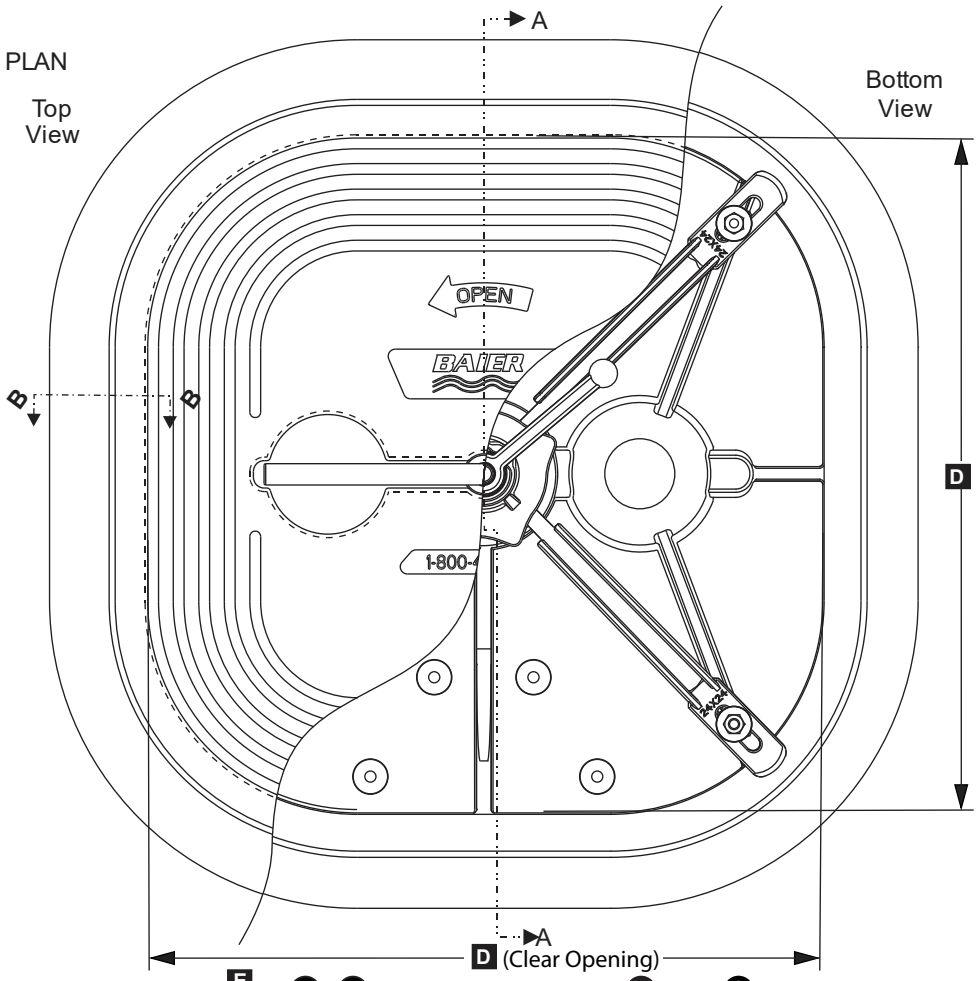
When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel, or stainless steel.



Hatch Covers Available Separately

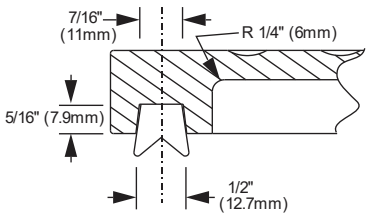
Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
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BFHQTH24X24A/S	Aluminum / Steel	BFHQTH24X24A-S
BFHQTH24X24A/SS	Aluminum / Stainless Steel	BFHQTH24X24A-SS



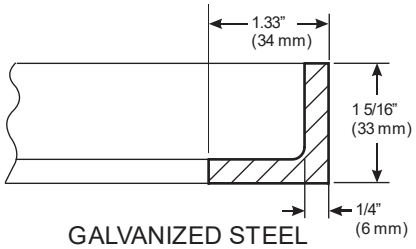
BILL OF MATERIAL: 08864-141

#	DESCRIPTION	MAT	P/N
1	COVER	AL	08864-241A
2	DOG HUB ASSY	AL	08864-102A
3	(4) DOG ARM	AL	08864-242A
4	GASKET	BUNA	08864-706A
BUSHING, O-RING KIT W/ SLEEVE 08864-170A			
5	BUSHING		08864-804A + 205A
6	O-RING	BUNA	08864-702A
7	T-HANDLE	SS	08864-401A
8	DECK RING AL	AL	08861-243A
8	DECK RING ST	ST	08861-247A
9	ESCAPE HANDLE	AL	08864-213A
10	HANDLE PIN	SS	08864-801A
11	(4) THREADED POST	SS	08864-802A
12	(4) WASHER	SS	08864-805A
13	(4) WASHER	UP	08864-803A
14	(4) NYLOCK NUT M10	SS	08864-807A

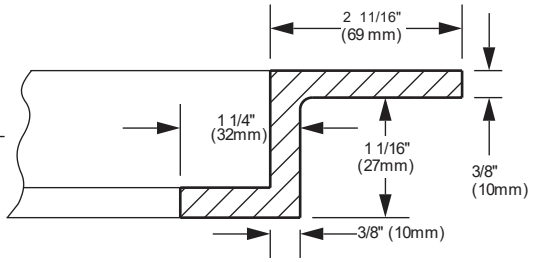
MATERIAL KEY
AL - ALUMINUM
ST - GALV. STEEL
SS - STAINLESS STEEL
UP - UHMW POLY
BUNA - NITRILE RUBBER



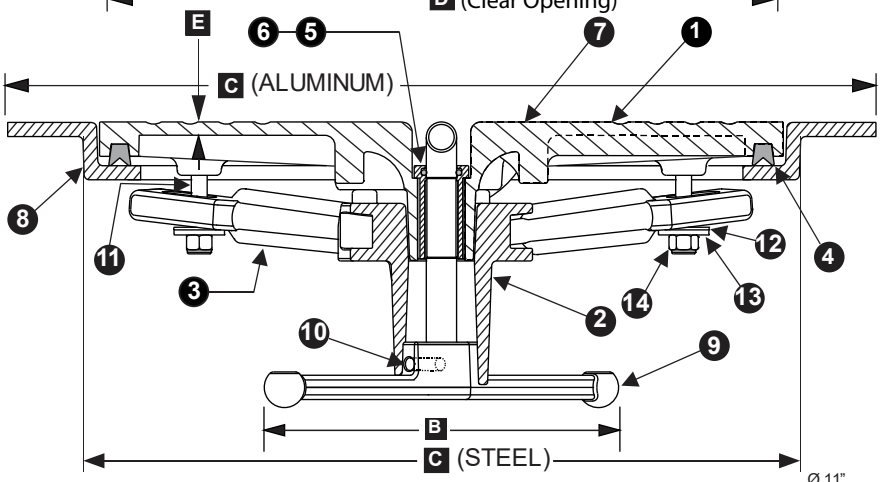
GASKET GROOVE, SECTION B:B



GALVANIZED STEEL DECK RING

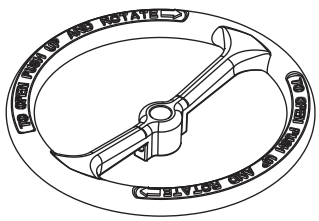


CAST ALUMINUM DECK RING



SECTION A:A

ABS Certified



OPTIONAL: ESCAPE HANDWHEEL
(REPLACES ESCAPE HANDLE)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHQTH24X24	
Material	AL	ST
Cover	44 (20)	N/A
Deck Ring	12 (5.4)	15 (6.8)

Model Number	DIMENSIONS INCHES (mm)					
	A	B	C (ST)	C (AL)	D	E
BFHQTH20	7 1/16 (179)	12 (305)	26 11/16 (677)	30 1/2 (774)	24 (610)	5/16 (8)

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LIFT-OUT MULTI-DOGGED TYPE
WITH BUILT-IN T-HANDLE
TYPE "D" QUICK ACTING
POSITIVE LOCK

MODEL BFHQTH24X24

DWG. 08864-141

BFHHQTH24X24 - Internal Hinge Watertight Hatch | Quick Acting | Square 24" X 24" Aluminum

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where speed and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. The new Baier™ Hidden-Hinge, fully-articulated commercial marine flush deck hatch assembly for workboats adds the convenience of a built-in recessed Stainless Steel T-handle to the flush-mounted, quick release, lift-out hatch. The design is especially useful for aluminum boats, crew supply vessels (CSV), fishing vessels and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels. This new hinge assembly works exceeding well when installed vertically like a door -- it pivots easily and maintains alignment. An over-center auto stop holds cover securely open at 120 degrees, and the hatch cover slides further open to over 180 degrees.



FEATURES

- Opens to 180 degrees-plus
- Over-center auto stop holds cover securely open at 120 degrees
- Auto-stop releases quickly with a push-lever
- Stainless hardware, Delrin slides
- Works equally well in flush deck or vertical mount positions – perfect for a lazarette hatch-door
- Thicker Dog Arms for superior strength
- Positive visual verification: When the handle is down, the hatch is secured
- Inside escape bar on all units (optional inside turning wheel available)
- Subtle design improvements make the BFHQ stronger, more watertight than our competitors' similar units

Shared With Classic HEX-Bolt Series:

- Available in 20” Round, 15” X 24” Oval or 24” x 24” Square
- Available with aluminum or galvanized steel deck ring

MATERIALS

Currently, the 4-dog BFHQ series hatch cover assemblies are available only in cast aluminum. Deck rings are available in galvanized mild steel or cast aluminum. Stainless Steel deck rings are available by special order.

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.



BFHHQTH24X24A/A with Cast Aluminum Deck Ring



BFHHQTH24X24A/A with Internal Hinge

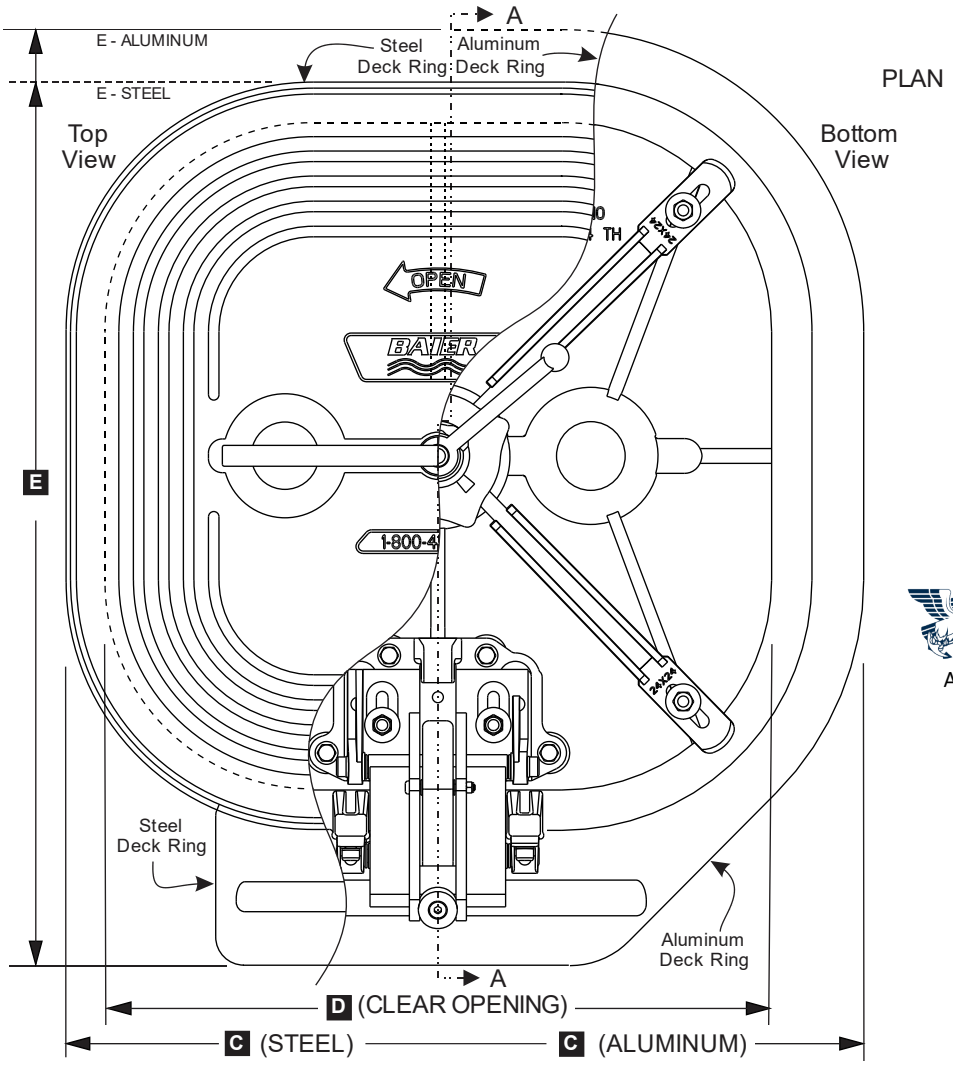
When ordering please specify:

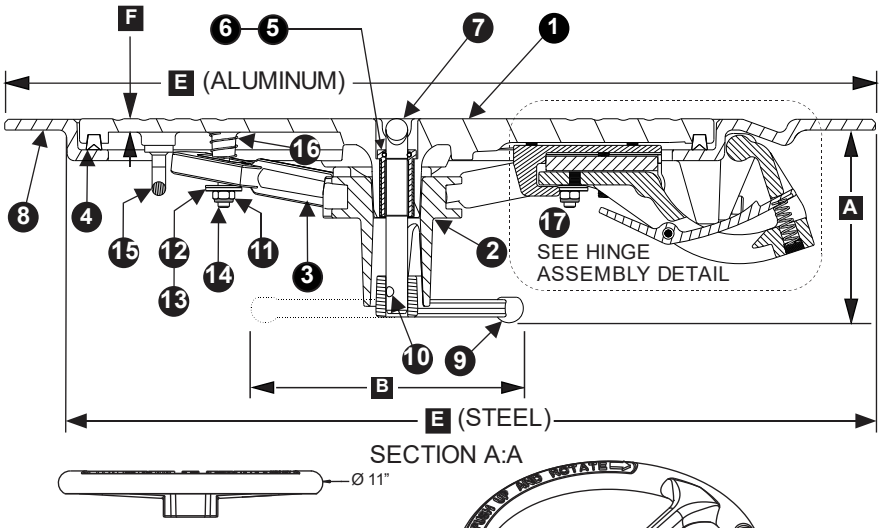
Cover Material: cast aluminum only
Ring Material: cast aluminum, or galvanized steel (See PDF download for steel ring design)



Hatch Covers Available Separately

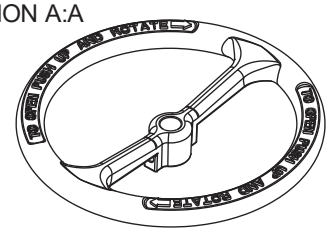
Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHHQTH24X24A/A	Aluminum / Aluminum	BFHHQTH24X24A-A DXF (ZIP)
BFHHQTH24X24A/S	Aluminum / Steel	BFHHQTH24X24A-S DXF (ZIP)





SECTION A:A

OPTIONAL: ESCAPE HANDWHEEL
(REPLACES ESCAPE HANDLE)



HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHHQTH24X24	
Material	AL	ST
Cover	44 (20)	N/A
Deck Ring	17.5 (8)	22.6 (10)
Hinge & Hardware	SS	8 (.36)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

Model Number	DIMENSIONS INCHES (mm)							
	A	B	C (ST)	C (AL)	D	E (ST)	E (AL)	F
BFHHQTH24X24	6 1/2 (165)	12 (305)	26 11/16 (677)	30 5/8 (778)	24 (610)	27.5 (699)	33 5/8 (854)	5/16 (8)

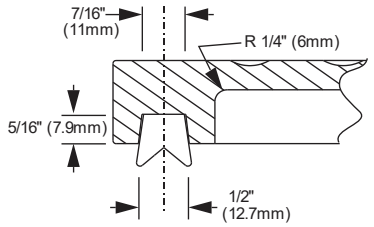
BILL OF MATERIAL: 08863-141

#	DESCRIPTION	MAT	P/N
1	COVER	AL	08864-241A
2	DOG HUB ASSY	AL	08864-102A
3	(4) DOG ARM	AL	08864-242A
4	GASKET	BUNA	08864-706A
BUSHING, O-RING KIT W/ SLEEVE			08864-170A
5	BUSHING W/ SLEEVE		08864-804A + 205A
6	O-RING	BUNA	08864-702A
7	T-HANDLE	SS	08864-402A
8	DECK RING	AL	08863-246A
8	DECK RING	ST	08863-457A
9	ESCAPE HANDLE	AL	08864-213A
10	HANDLE PIN	SS	08864-801A
11	(4) NYLOCK NUT	SS	08864-807A
12	(4) WASHER	SS	08864-805A
13	(4) WASHER	UP	08864-803A
14	(4) THREADED POST	SS	08864-802A
15	GRAB HANDLE	SS	08863-405A
16	(4) ARM SPRING	SS	08864-809A
17	HINGE ASSY	DETAIL	08864-126A

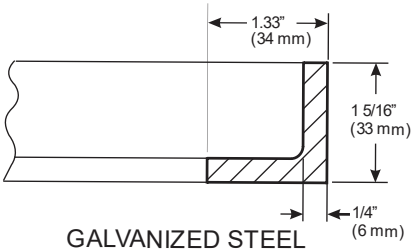
MATERIAL KEY

AL - ALUMINUM
ST - GALV. STEEL
SS - STAINLESS STEEL
UP - UHMW POLY
BUNA - NITRILE RUBBER

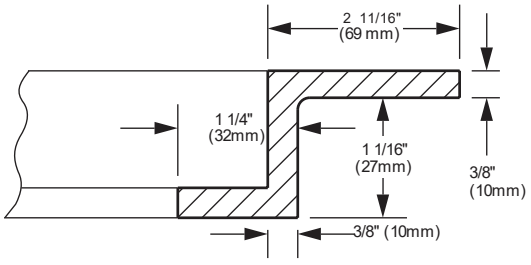
ABS Certified



GASKET GROOVE, SECTION B:B



GALVANIZED STEEL DECK RING



CAST ALUMINUM DECK RING

1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com
BAIER Marine Company, Inc.

BAIER FLUSH HATCH

INTERNAL HINGED MULTI-DOG
WITH BUILT-IN T-HANDLE
TYPE "D" QUICK ACTING
POSITIVE LOCK

MODEL BFHHQTH24X24

DWG. 08863-141

BFHHQTH20 - Internal Hinge Watertight Hatch | Quick Acting | Round 20" | Aluminum

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where speed and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. The new Baier™ Hidden-Hinge, fully-articulated commercial marine flush deck hatch assembly for workboats adds the convenience of a built-in recessed Stainless Steel T-handle to the flush-mounted, quick release, lift-out hatch. The design is especially useful for aluminum boats, crew supply vessels (CSV), fishing vessels and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels. This new hinge assembly works exceeding well when installed vertically like a door -- it pivots easily and maintains alignment. An over-center auto stop holds cover securely open at 120 degrees, and the hatch cover slides further open to over 180 degrees.



FEATURES

- Opens to 180 degrees-plus
- Over-center auto stop holds cover securely open at 120 degrees
- Auto-stop releases quickly with a push-lever
- Stainless hardware, Delrin slides
- Works equally well in flush deck or vertical mount positions – perfect for a lazarette hatch-door
- Thicker Dog Arms for superior strength
- Positive visual verification: When the handle is down, the hatch is secured
- Inside escape bar on all units (optional inside turning wheel available)
- Subtle design improvements make the BFHQ stronger, more water-tight than our competitors' similar units

Shared With Classic HEX-Bolt Series:

- Available in 20" Round, 15" X 24" Oval or 24" x 24" Square
- Available with aluminum or galvanized steel deck ring

MATERIALS

Currently, the 4-dog BFHQ series hatch cover assemblies are available only in cast aluminum. Deck rings are available in galvanized mild steel or cast aluminum. Stainless Steel deck rings are available by special order.

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.



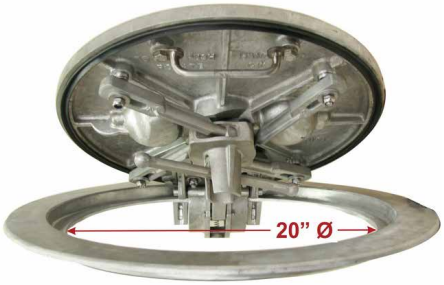
BFHHQTH20A/A with Cast Aluminum Deck Ring



BFHHQTH20A/A with Internal Hinge

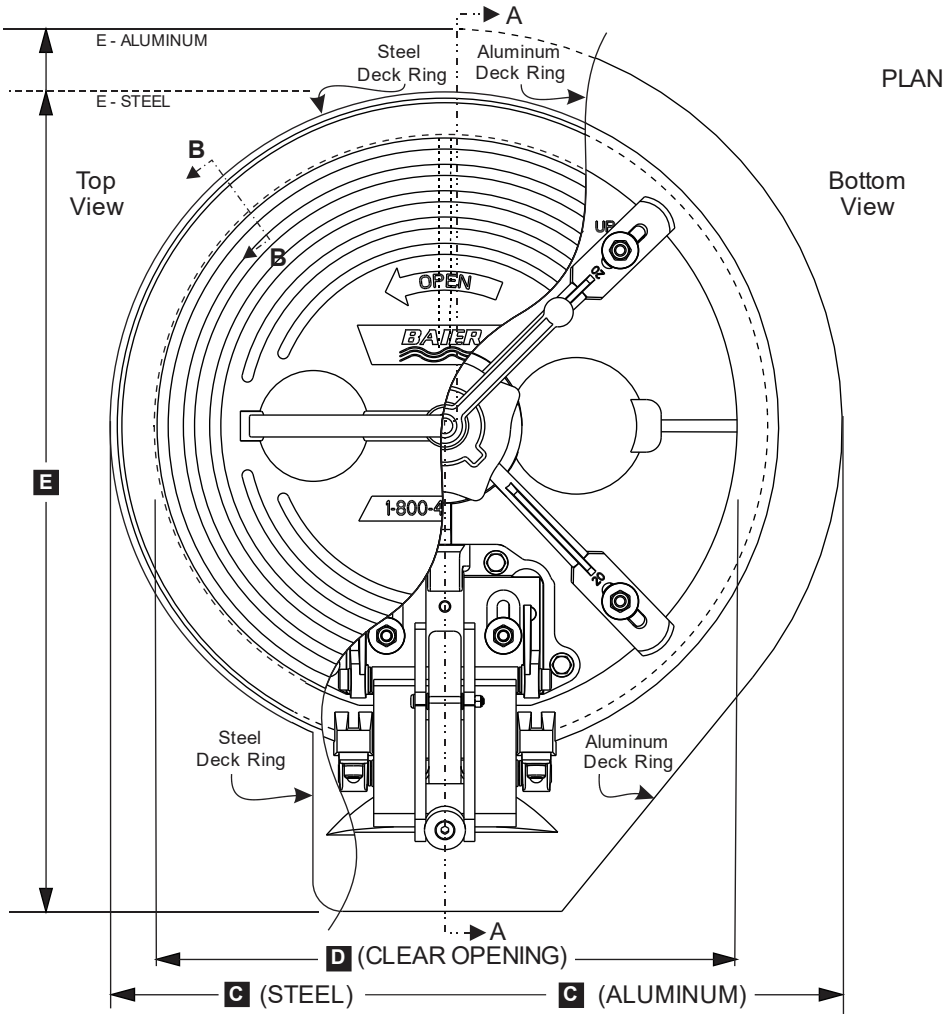
When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, or galvanized steel (See PDF download for steel ring design)



Hatch Covers Available Separately

Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHHQTH20A/A	Aluminum / Aluminum	BFHHQTH20A-A DXF (ZIP)
BFHHQTH20A/S	Aluminum / Steel	BFHHQTH20A-S DXF (ZIP)

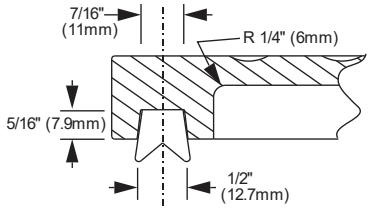


BILL OF MATERIAL: 08863-104

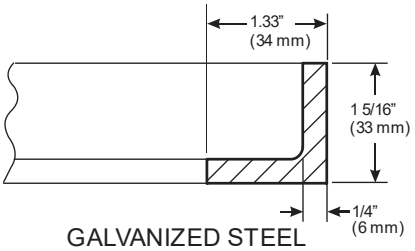
#	DESCRIPTION	MAT	P/N
1	COVER	AL	08864-208A
2	DOG HUB ASSY	AL	08864-102A
3	(4) DOG ARM	AL	08864-209A
4	GASKET	BUNA	08864-703A
BUSHING, O-RING KIT W/ SLEEVE			
5	BUSHING		08864-804A + 205A
6	O-RING	BUNA	08864-702A
7	T-HANDLE	SS	08864-401A
8	DECK RING	AL	08863-250A
8	DECK RING	ST	08863-406A
9	ESCAPE HANDLE	AL	08864-213A
10	HANDLE PIN	SS	08864-801A
11	(4) NYLOCK NUT	SS	08864-807A
12	(4) WASHER	SS	08864-805A
13	(4) WASHER	UP	08864-803A
14	(4) THREADED POST	SS	08864-802A
15	GRAB HANDLE	SS	08863-405A
16	(4) ARM SPRING	SS	08864-809A
17	HINGE ASSY	DETAIL	08864-126A

MATERIAL KEY

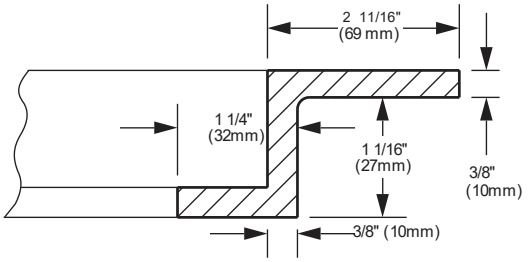
AL - ALUMINUM
ST - GALV. STEEL
SS - STAINLESS STEEL
UP - UHMW POLY
BUNA - NITRILE RUBBER



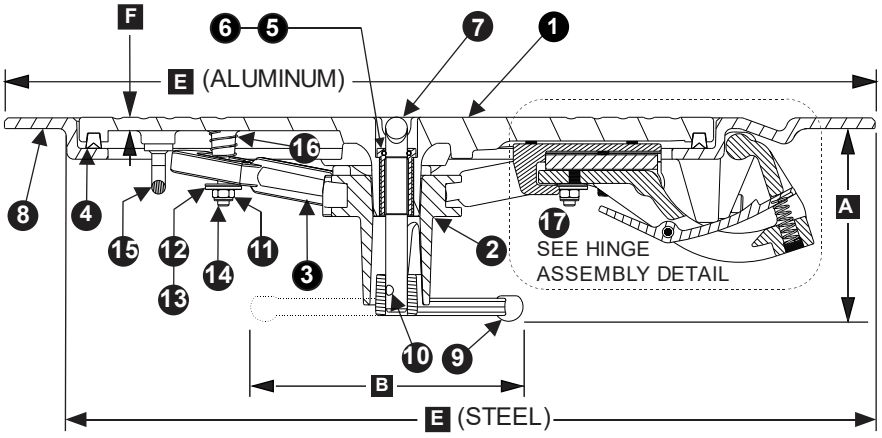
GASKET GROOVE, SECTION B:B



GALVANIZED STEEL DECK RING

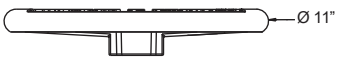


CAST ALUMINUM DECK RING

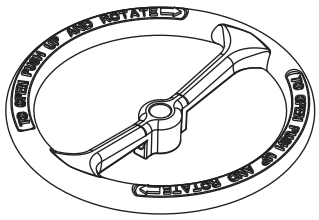


SECTION A:A

ABS Certified



OPTIONAL: ESCAPE HANDWHEEL
(REPLACES ESCAPE HANDLE)



HATCH WEIGHTS LBS. (KGS)	
Model Number	BFHHQTH20
Material	AL ST
Cover	26 (11.8) N/A
Deck Ring	15 (6.8) 17 (7.8)
Hinge & Hardware	SS 8 (.36)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

Model Number	DIMENSIONS INCHES (mm)							
	A	B	C (ST)	C (AL)	D	E (ST)	E (AL)	F
BFHHQTH20	6.5 (165)	12 (305)	22 11/16 (576)	27 3/16 (691)	20 (508)	28 (711)	30 3/16 (767)	5/16 (8)

1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com
BAIER Marine Company, Inc.

BAIER FLUSH HATCH

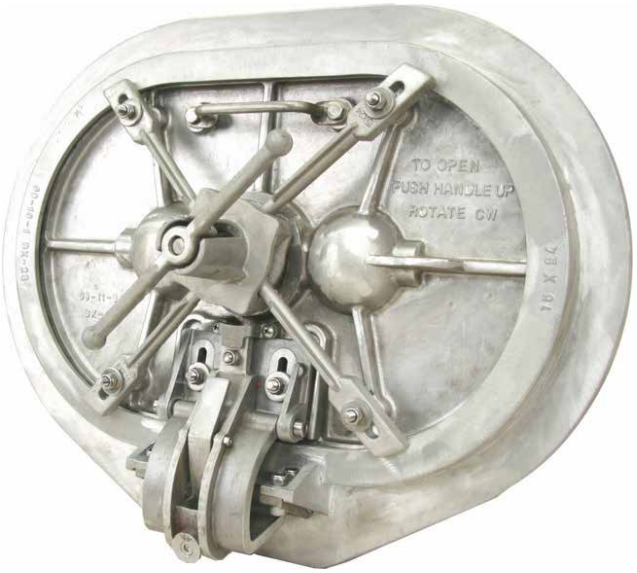
INTERNAL HINGED MULTI-DOG
WITH BUILT-IN T-HANDLE
TYPE "D" QUICK ACTING
POSITIVE LOCK

MODEL BFHHQTH20

DWG. 08863-104

BFHHQTH15X24 - Internal Hinge Watertight Hatch | Quick Acting | Oval 15" X 24" | Aluminum

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where speed and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. The new Baier Hidden-Hinge, fully-articulated commercial marine flush deck hatch assembly for workboats adds the convenience of a built-in recessed Stainless Steel T-handle to the flush-mounted, quick release, lift-out hatch. The design is especially useful for aluminum boats, crew supply vessels (CSV), fishing vessels and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels. This new hinge assembly works exceeding well when installed vertically like a door -- it pivots easily and maintains alignment. An over-center auto stop holds cover securely open at 120 degrees, and the hatch cover slides further open to over 180 degrees.



FEATURES

- Opens to 180 degrees-plus
- Over-center auto stop holds cover securely open at 120 degrees
- Auto-stop releases quickly with a push-lever
- Stainless hardware, Delrin slides
- Works equally well in flush deck or vertical mount positions – perfect for a lazarette hatch-door
- Thicker Dog Arms for superior strength
- Positive visual verification: When the handle is down, the hatch is secured
- Inside escape bar on all units (optional inside turning wheel available)
- Subtle design improvements make the BFHQ stronger, more watertight than our competitors' similar units

Shared With Classic HEX-Bolt Series:

- Available in 20” Round, 15” X 24” Oval or 24” x 24” Square
- Available with aluminum or galvanized steel deck ring

MATERIALS

Currently, the 4-dog BFHQ series hatch cover assemblies are available only in cast aluminum. Deck rings are available in galvanized mild steel or cast aluminum. Stainless Steel deck rings are available by special order.

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.



BFHHQTH15X24A/A with Cast Aluminum Deck Ring



BFHHQTH15X24A/A with Internal Hinge

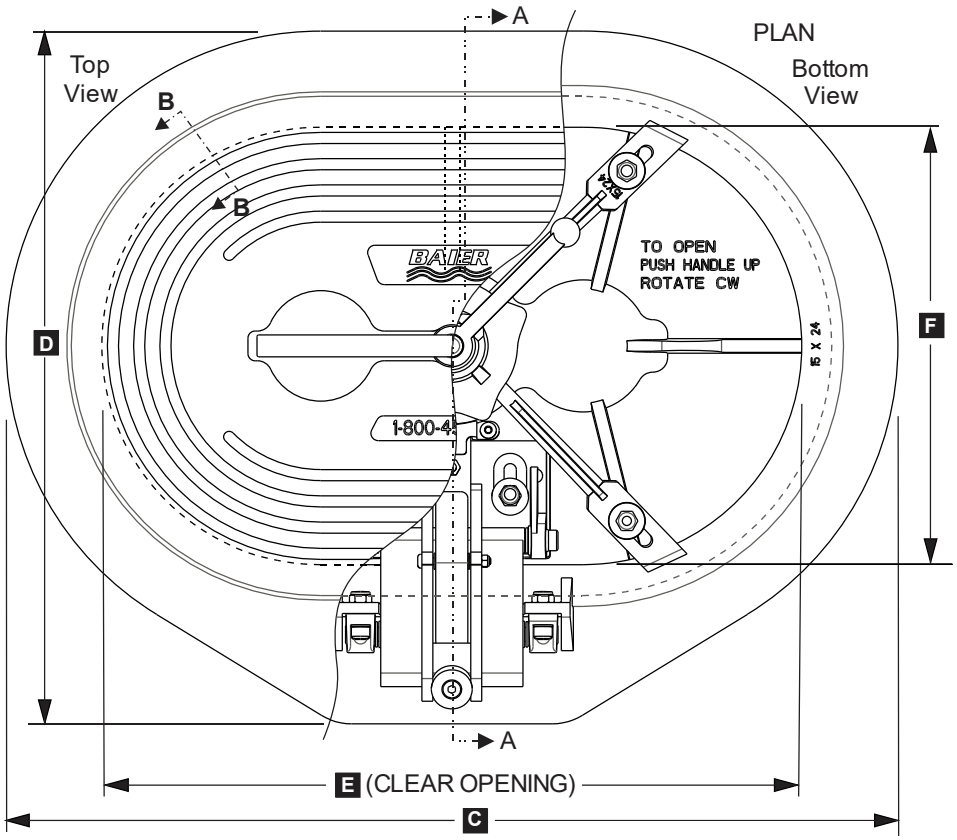
When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, or galvanized steel (See PDF download for steel ring design)



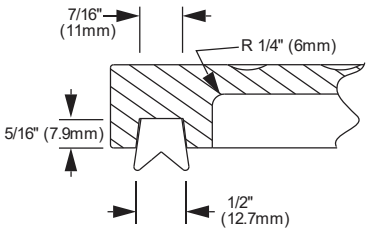
Hatch Covers Available Separately

Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/ XML
BFHHQTH15X24A/A	Aluminum / Aluminum	BFHHQTH15X24A-A DXF (ZIP)
BFHHQTH15X24A/S	Aluminum / Steel	BFHHQTH15X24A-S

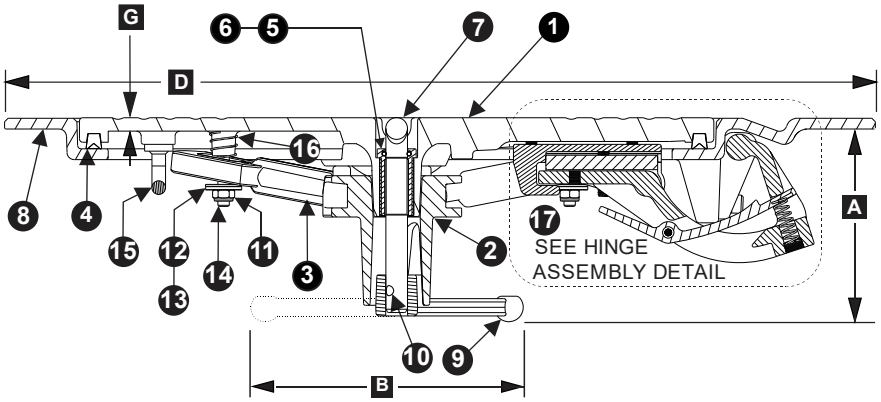


BILL OF MATERIAL: 08863-115			
#	DESCRIPTION	MAT	P/N
1	COVER	AL	08863-255A
2	DOG HUB ASSY	AL	08864-102A
3	(4) DOG ARM	AL	08864-203A
4	GASKET	BUNA	08864-701A
BUSHING, O-RING KIT W/ SLEEVE 08864-170A			
5	BUSHING	08864-804A + 205A	
6	O-RING	BUNA	08864-702A
7	T-HANDLE	SS	08864-401A
8	DECK RING	AL,ST	08863-257A,B
9	ESCAPE HANDLE	AL	08864-213A
10	HANDLE PIN	SS	08864-801A
11	(4) NYLOCK NUT	SS	08864-807A
12	(4) WASHER	SS	08864-805A
13	(4) WASHER	UP	08864-803A
14	(4) THREADED POST	SS	08864-802A
15	GRAB HANDLE	SS	08863-405A
16	(4) ARM SPRING	SS	08864-809A
17	HINGE ASSY	DETAIL	08864-126B

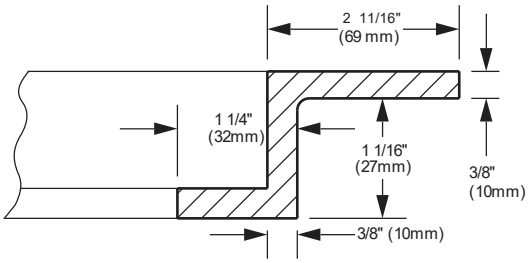
MATERIAL KEY	
	AL - ALUMINUM
	ST - GALV. STEEL
	SS - STAINLESS STEEL
	UP - UHMW POLY
	BUNA - NITRILE RUBBER



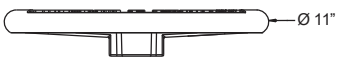
GASKET GROOVE, SECTION B:B



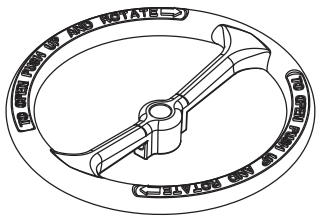
SECTION A:A



CAST ALUMINUM & GALVANIZED STEEL DECK RING



OPTIONAL: ESCAPE HANDWHEEL
(REPLACES ESCAPE HANDLE)



ABS Certified

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHHQTH15X24	
Material	AL	ST
Cover	26.5 (12)	N/A
Deck Ring	13.5 (6)	33 (15)
Hinge & Hardware	SS	8 (.36)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (E). UNITS ARE IDENTIFIED BY CLEAR OPENING.

Model Number	DIMENSIONS INCHES (mm)						
	A	B	C (AL&ST)	D (AL&ST)	E	F	G
BFHHQTH15X24	6 1/2 (165)	12 (305)	30.6 (777)	23 3/4 (603)	24 (508)	15 (381)	5/16 (8)

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

INTERNAL HINGED MULTI-DOG
WITH BUILT-IN T-HANDLE
TYPE "D" QUICK ACTING
POSITIVE LOCK

MODEL BFHHQTH15X24

DWG. 08863-115

BFHHQTH-HINGE - Internal Hinge | For Quick Acting Hatches

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where speed and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. The new Baier Hidden-Hinge, fully-articulated commercial marine flush deck hatch assembly for workboats adds the convenience of a built-in recessed Stainless Steel T-handle to the flush-mounted, quick release, lift-out hatch. The design is especially useful for on aluminum boats, crew supply vessels (CSV), fishing vessels and other workboats, as well as many U.S. Navy and U.S. and Canadian Coast Guard vessels. This new hinge assembly works exceeding well when installed vertically like a door -- it pivots easily and maintains alignment. An over-center auto stop holds cover securely open at 120 degrees, and the hatch cover slides further open to over 180 degrees.

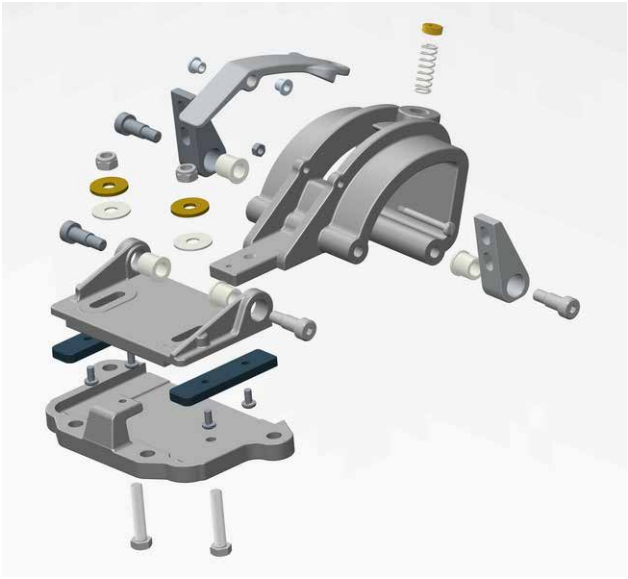


FEATURES

- Opens to 180 degrees-plus
- Over-center auto stop holds cover securely open at 120 degrees
- Auto-stop releases quickly with a push-lever
- Stainless hardware, Delrin slides
- Works equally well in flush deck or vertical mount positions – perfect for a lazarette hatch-door
- Thicker Dog Arms for superior strength
- Positive visual verification: When the handle is down, the hatch is secured
- Inside escape bar on all units (optional inside turning wheel available)
- Subtle design improvements make the BFHQ stronger, more water-tight than our competitors' similar units

Shared With Classic HEX-Bolt Series:

- Available in 20" Round, 15" X 24" Oval or 24" x 24" Square
- Available with aluminum or galvanized steel deck ring



BFHHQTH-HINGE Exploded View





BFHHQTH-HINGE with Optionanl Handwheel

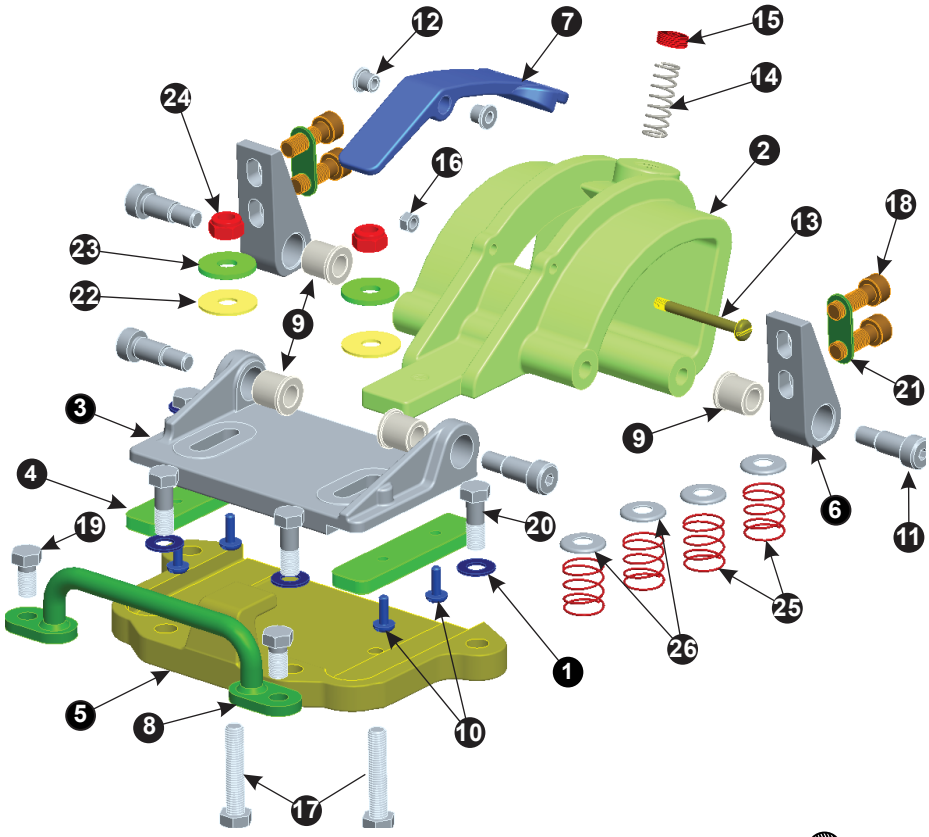
Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
08863-126A		
08863-126B		
BFHHQTH15X24A/A	Aluminum / Aluminum	BFHHQTH15X24A-A DXF (ZIP)
BFHHQTH15X24A/S	Aluminum / Steel	BFHHQTH15X24A-S
BFHHQTH20A/A	Aluminum / Aluminum	BFHHQTH20A-A DXF (ZIP)
BFHHQTH20A/S	Aluminum / Steel	BFHHQTH20A-S DXF (ZIP)
BFHHQTH24X24A/A	Aluminum / Aluminum	BFHHQTH24X24A-A DXF (ZIP)
BFHHQTH24X24A/S	Aluminum / Steel	BFHHQTH24X24A-S DXF (ZIP)

ABS FOUNDED 1862

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.

BAIER INTERNAL HINGE

EXPLODED VIEW

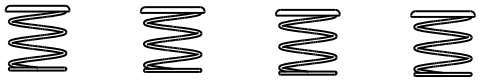


BILL OF MATERIAL: 08863-106

#	DESC.	MAT	P/N	QTY
1	WASHER 3/8	SS	08860-803A	4
2	HINGE	SS	08863-242A	1
3	SLIDE PLATE	SS	08863-243A	1
4	SLIDES	DL	08863-244A	2
5	SLIDE BASE	SS	08863-245A	1
6	DECK RING MOUNT	SS	08863-247A	2
7	LOCKING LATCH	SS	08863-248A	1
8	GRAB HANDLE	SS	08863-405A	1
9	BUSHING	DL	08863-810A	4
10	SCREW M6 16mm	SS	08863-811A	4
11	SHOULDER BOLT	SS	08863-811A	4
12	BUSHING	DL	08863-814A	2
13	SCREW M6 60mm	SS	08863-816A	1
14	SPRING 14mm	SS	08863-817A	1
15	PLUG, 3/8 NPT	SS	08863-818A	1
16	NUT, NYLOCK M6	SS	08863-819A	1
17	BOLT M10 50mm FULTHD	SS	08863-820A	2
18	BOLT M10 30 mm SOC	SS	08863-821A	4
19	BOLT M10 20mm	SS	08863-822A	2
20	BOLT M10 30mm	SS	08863-823A	4
21	WASHER	SS	08863-817A	2
22	WASHER M10	UP	08864-803A	2
23	WASHER M10	SS	08864-805A	2
24	NYLOCK NUT M10	SS	08864-807A	2
25	SPRING	SS	08864-809A	4
26	SPRING CAP	SS	08864-810A	4

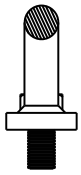
MATERIAL KEY
SS - STAINLESS STEEL
DL - DELRIN
UP - UHMW POLY

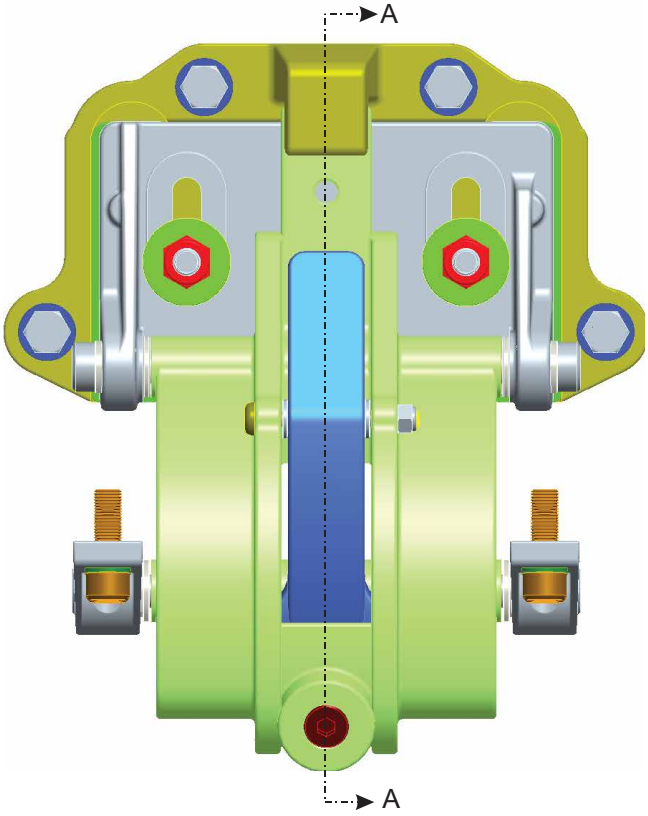
DOG ARM LIFT SPRING
FOR VERTICAL INSTALLATION

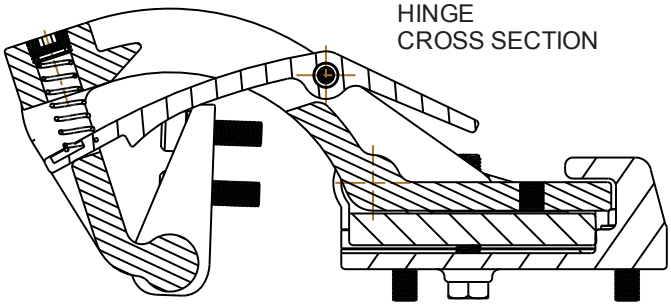




TOP VIEW







HINGE
CROSS SECTION

SECTION A:A

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER INTERNAL HINGE

INTERNAL HINGED FOR USE ON
BFHHQ SERIES QUICK ACTING
WITH BUILT-IN T-HANDLE

DWG. NO. 08863-106



Low Profile Quick-Acting Hatches

BFHLP20 - Watertight Hatch | Low Profile, QuickActing | Round 20" | Aluminum

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where security and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. Baier™ low profile hatches are designed for applications where inside clearance is limited. Built strong for the extreme rugged requirements of the commercial and fast utility craft world-wide.



FEATURES

Unique

- The low-profile unit on right is only 2.62 inches high, top to bottom!
- 4-dog, center cam actuation. Clamping pressure across 4 points of contact
- Center cam, when not engaged, pops up as visual indicator that hatch is not secured
- When engaged, cam unit is completely flush – no snags.

Shared With Classic HEX-Bolt Series:

- Each Baier Low Profile hatch assembly also includes an optional Drive Adapter puck which converts the hexagonal drive so hatch can be operated with any standard half inch (12.7mm) socket drive
- Built-in underside escape handle
- Drop-in replacement for standard 20" deck rings
- Cast from high-grade corrosion-resistant 356 aluminum alloy (ASTM B26)
- Secured hatch opens with standard 1 3/4" hex marine t-handle tool
- Adapter for standard 1/2" socket wrench included
- Maximum durability, stronger deck strength and impact resistance

MATERIALS

Currently, the 4-dog BFHLP series hatch cover assemblies are available only in cast aluminum. However, the deck rings for the BFHLP are the same size as the Strongback models, and are available in galvanized mild steel or cast aluminum. Stainless Steel deck rings are available by special order.

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.



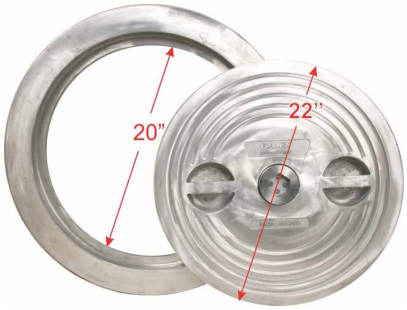
BFHLP20A/A with Cast Aluminum Deck Ring



BFHLP20A/A with Visual Verified Pop-Up Cam

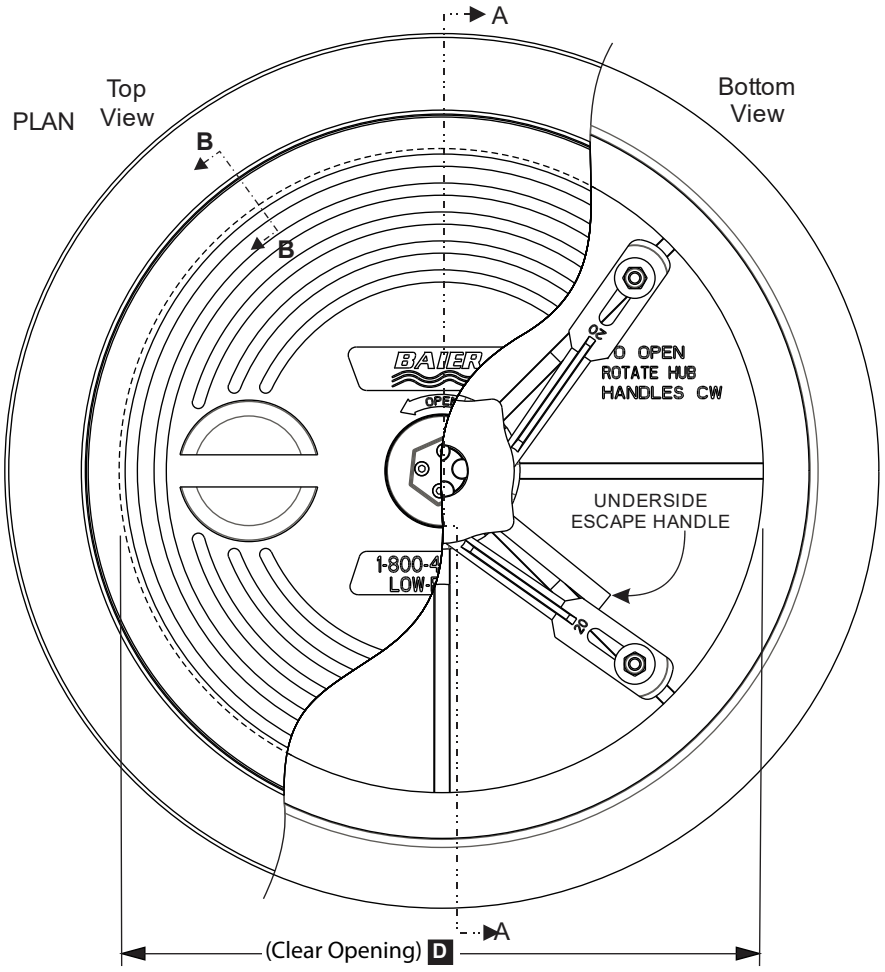
When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel, or stainless steel.



Hatch Covers Available Separately

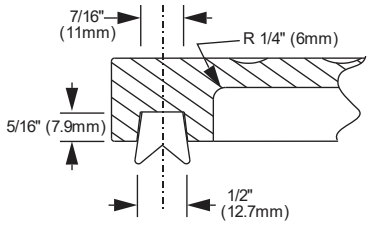
Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHLP20A/A	Aluminum / Aluminum	BFHLP20A-A
BFHLP20A/S	Aluminum / Steel	BFHLP20A-S
BFHLP20A/SS	Aluminum / Stainless Steel	



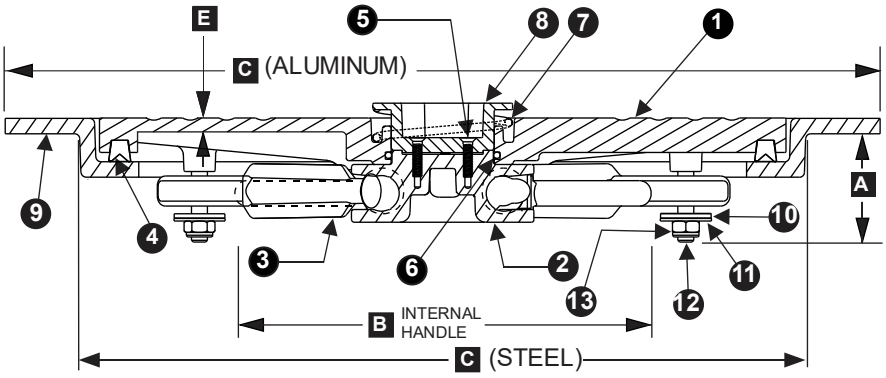
BILL OF MATERIAL: 08864-161			
#	DESCRIPTION	MAT	P/N
1	COVER	AL	08864-250A
2	DOG HUB ASSY	AL	08864-103A
3	(4) DOG ARMS	AL	08864-209A
4	GASKET	BUNA	08864-703A
5	(4) SCREW M6 X 25mm	SS	08864-812A
6	O-RING	BUNA	08864-710A
7	SPRING	SS	08864-817A
8	HEX CAP	SS	08864-246A
9	DECK RING AL	AL	08864-210A
9	DECK RING ST	ST	08864-207A
10	(4) WASHER	UP	08864-803A
11	(4) WASHER	SS	08864-805A
12	(4) THREADED POST	SS	08864-802A
13	(4) NYLOCK NUT	SS	08864-807A
14	WRENCH	ST	08861-401A

MATERIAL KEY	
	AL - ALUMINUM
	ST - GALV. STEEL
	SS - STAINLESS STEEL
	UP - UHMW POLY
	BUNA - NITRILE RUBBER

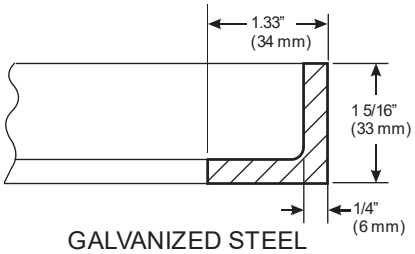
ABS Certified



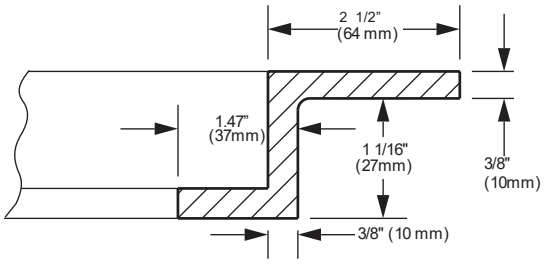
GASKET GROOVE, SECTION B:B



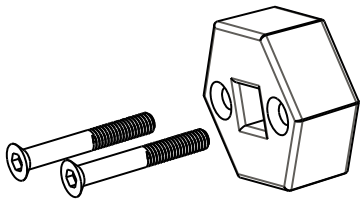
SECTION A:A



GALVANIZED STEEL DECK RING

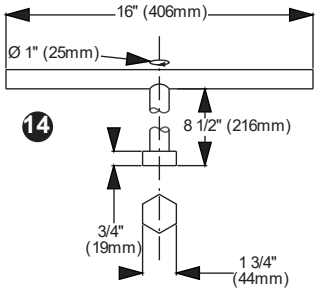


CAST ALUMINUM DECK RING



½" SOCKET DRIVE ADAPTER INCLUDED

PROVIDES ALTERNATIVE USE OF ½" DRIVE RATCHET. INSERT CAN BE INSTALLED IN HATCH OR USED AS AN ADAPTER. SCREWS PROVIDED IF ADAPTER IS INSTALLED



WRENCH

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHQLP20	
Material	AL	ST
Cover	23 (10.5)	N/A
Deck Ring	10 (4.5)	11 (5)

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

Model Number	DIMENSIONS INCHES (mm)					
	A	B	C (ST)	C (AL)	D	E
BFHQLP20	2 11/16 (68)	13 (330)	22 11/16 (576)	27 3/16 (691)	20 (508)	5/16 (8)

BAIER Marine Company, Inc.
1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER FLUSH HATCH

LOW PROFILE
MULTI-DOGGED
TYPE "D" QUICK ACTING
POSITIVE LOCK

MODEL BFHLP20

DWG. 08864-161

BFHLP15X24 - Watertight Hatch | Low Profile, QuickActing | Oval 15" X 24" | Aluminum

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where security and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. Baier low profile hatches are designed for applications where inside clearance is limited. Built strong for the extreme rugged requirements of the commercial and fast utility craft world-wide.



FEATURES

Unique

- The low-profile unit on right is only 2.62 inches high, top to bottom!
- 4-dog, center cam actuation. Clamping pressure across 4 points of contact
- Center cam, when not engaged, pops up as visual indicator that hatch is not secured
- When engaged, cam unit is completely flush – no snags

Shared With Classic HEX-Bolt Series:

- Each Baier Low Profile hatch assembly also includes an optional Drive Adapter puck which converts the hexagonal drive so hatch can be operated with any standard half inch (12.7mm) socket drive
- Built-in underside escape handle
- Drop-in replacement for standard 15” x 24” deck rings
- Cast from high-grade corrosion-resistant 356 aluminum alloy (ASTM B26)
- Secured hatch opens with standard 1 3/4” hex marine t-handle tool
- Adapter for standard 1/2” socket wrench included
- Maximum durability, stronger deck strength and impact resistance

MATERIALS

Currently, the 4-dog BFHLP series hatch cover assemblies are available only in cast aluminum. However, the deck rings for the BFHLP are the same size as the Strongback models, and are available in galvanized mild steel or cast aluminum. Stainless Steel deck rings are available by special order.

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.



BFHLP15X24A/A with Cast Aluminum Deck Ring



BFHLP15X24A/A with Visual Verified Pop-Up Cam

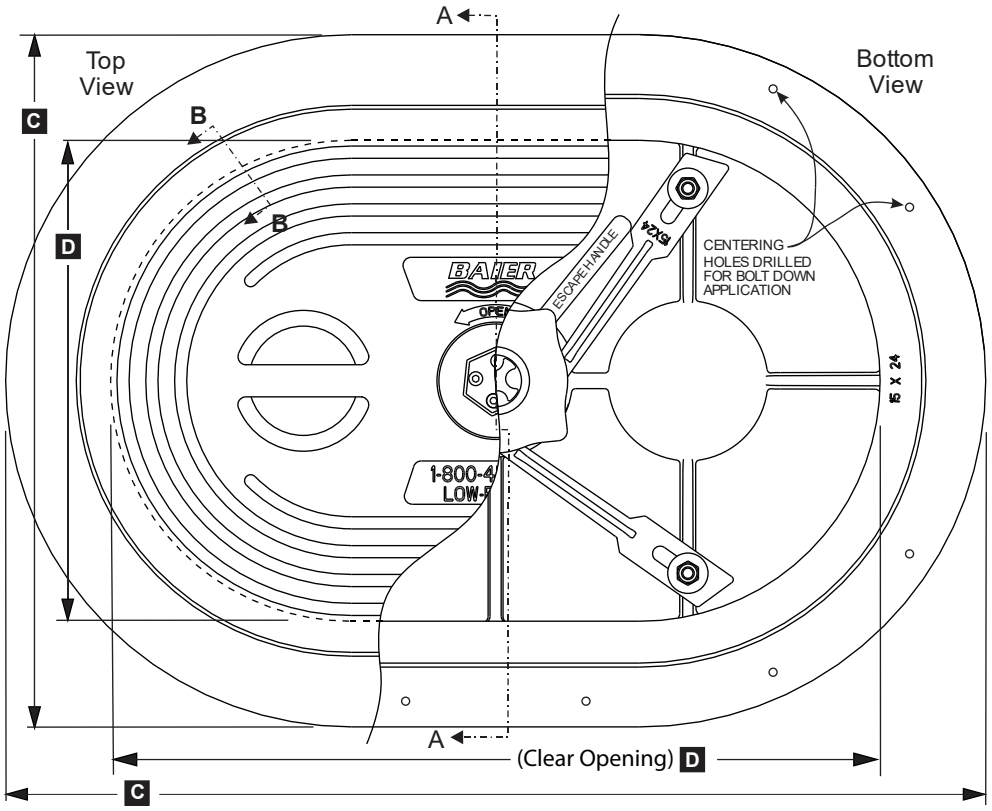
When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel, or stainless steel.



Hatch Covers Available Separately

Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHLP15X24A/A	Aluminum / Aluminum	BFHLP15X24A-A DXF (ZIP)
BFHLP15X24A/S	Aluminum / Steel	BFHLP15X24A-S
BFHLP15X24A/SS	Aluminum / Stainless Steel	

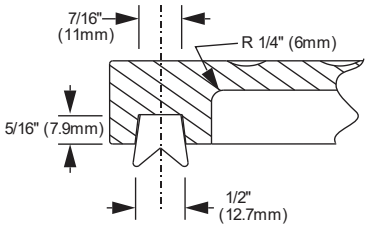


BILL OF MATERIAL: 08864-151

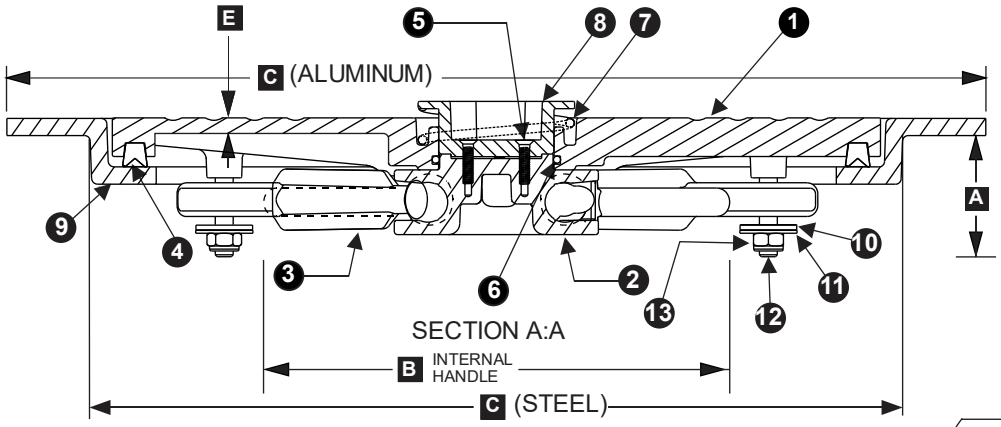
#	DESCRIPTION	MAT	P/N
1	COVER	AL	08864-240A
2	DOG HUB ASSY	AL	08864-103A
3	(4) DOG ARM	AL	08864-203A
4	GASKET	BUNA	08864-701A
5	(4) SCREW M6 X 25mm	SS	08864-812A
6	O-RING	BUNA	08864-710A
7	SPRING	SS	08864-817A
8	HEX CAP	SS	08864-246A
9	DECK RING AL	AL	08861-203A
9	DECK RING ST	ST	08861-207A
10	(4) WASHER	UP	08864-803A
11	(4) WASHER	SS	08864-805A
12	(4) THREADED POST	SS	08864-802A
13	(4) NYLOCK NUT M10	SS	08864-807A
14	WRENCH	ST	08861-401A

MATERIAL KEY

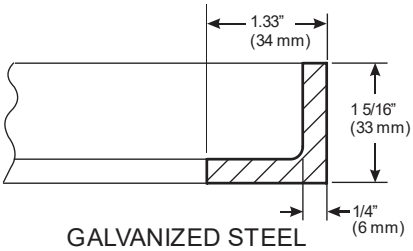
AL - ALUMINUM
ST - GALV. STEEL
SS - STAINLESS STEEL
UP - UHMW POLY
BUNA - NITRILE RUBBER



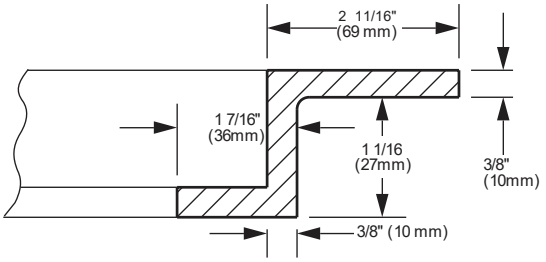
GASKET GROOVE, SECTION B:B



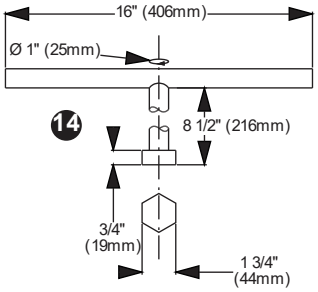
SECTION A:A



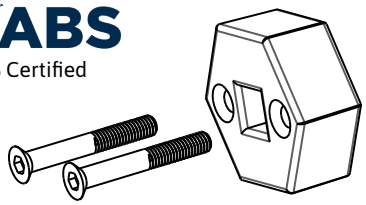
GALVANIZED STEEL DECK RING



CAST ALUMINUM DECK RING



WRENCH



½" SOCKET DRIVE ADAPTER INCLUDED

PROVIDES ALTERNATIVE USE OF ½" DRIVE RATCHET. INSERT CAN BE INSTALLED IN HATCH OR USED AS AN ADAPTER. SCREWS PROVIDED IF ADAPTER IS INSTALLED

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHQLP15X24	
Material	AL	ST
Cover	23 (10.5)	N/A
Deck Ring	9 (4.1)	12 (5.4)

Model Number	DIMENSIONS INCHES (mm)					
	A	B	C (AL)	C (ST)	D	E
BFHLP15X24	2 11/16 (68)	13 (330)	30 7/16 x 21 9/16 (777 x 548)	26 5/8 x 17 5/8 (676 x 448)	24 x 15 (610 x 381)	5/16 (8)

1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com

BAIER Marine Company, Inc.

BAIER FLUSH HATCH

LOW PROFILE
MULTI-DOGGED
TYPE "D" QUICK ACTING
POSITIVE LOCK

MODEL BFHLP15X24

DWG. 08864-151

BFHLP24X24 - Watertight Hatch | Low Profile, QuickActing | Square 24" X 24" | Aluminum

These light-weight, quick-acting 4-dog models are ideal for high-traffic closures where security and ease are paramount, and/or where positive engagement must be visually verifiable at a glance. Baier™ low profile hatches are designed for applications where inside clearance is limited. Built strong for the extreme rugged requirements of the commercial and fast utility craft world-wide.



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Unique

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Shared With Classic HEX-Bolt Series:

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- Maximum durability, stronger deck strength and impact resistance

MATERIALS

Currently, the 4-dog BFHLP series hatch cover assemblies are available only in cast aluminum. However, the deck rings for the BFHLP are the same size as the Strongback models, and are available in galvanized mild steel or cast aluminum. Stainless Steel deck rings are available by special order.

This hatch is ABS Certified for use on ABS classed vessels or facilities by the American Bureau of shipping.



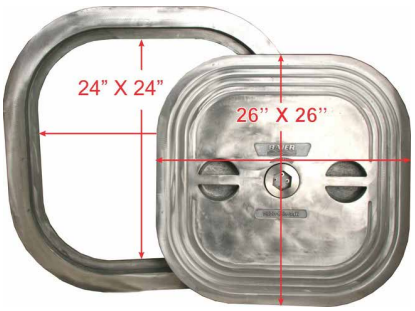
BFHLP24X24A/A with Cast Aluminum Deck Ring



BFHLP24X24A/A with Visual Verified Pop-Up Cam

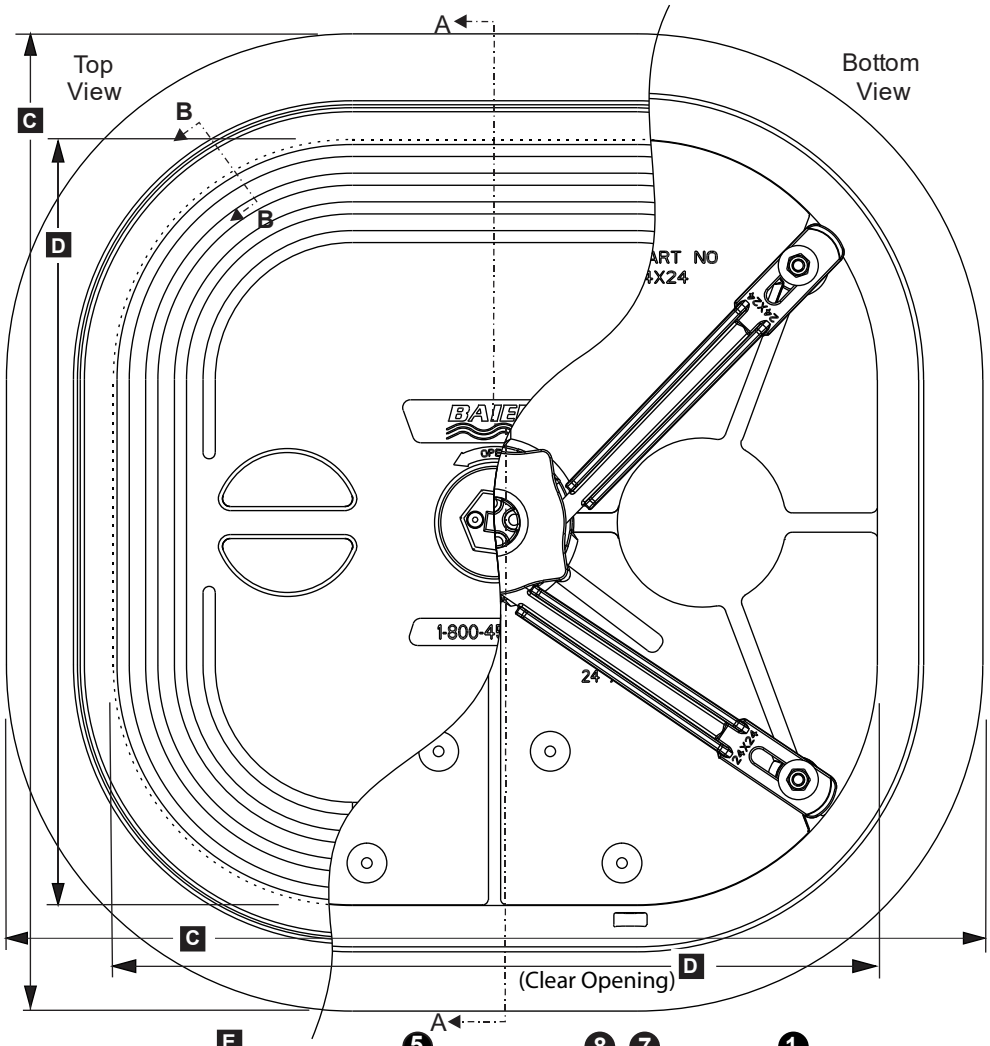
When ordering please specify:

Cover Material: cast aluminum only
Ring Material: cast aluminum, galvanized steel, or stainless steel.



Hatch Covers Available Separately

Model Number	Material - Hatch / Deck Ring	Autocad PDF/DXF/XML
BFHLP24X24A/A	Aluminum / Aluminum	BFHLP24X24A-A
BFHLP24X24A/S	Aluminum / Steel	BFHLP24X24A-S
BFHLP24X24A/SS	Aluminum / Stainless Steel	BFHLP24X24A-SS

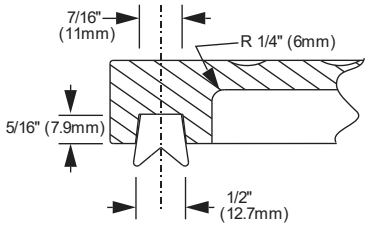


BILL OF MATERIAL: 08864-171

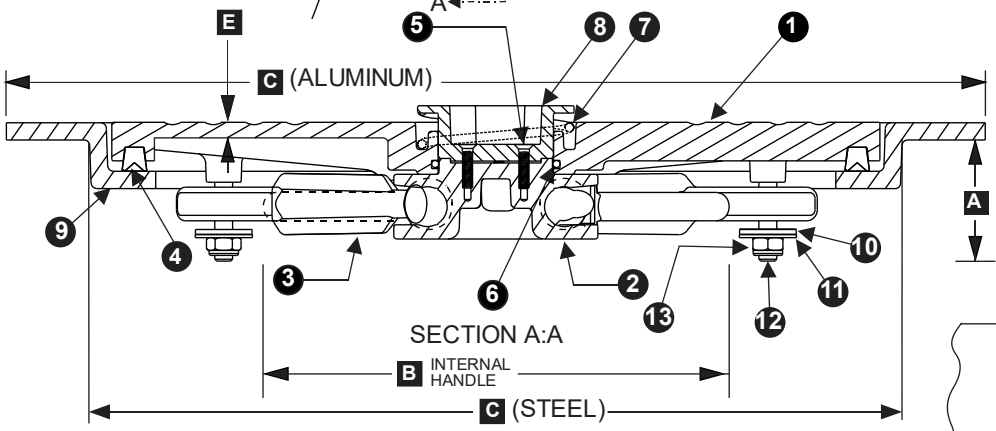
#	DESCRIPTION	MAT	P/N
1	COVER	AL	08864-271A
2	DOG HUB ASSY	AL	08864-103A
3	(4) DOG ARM	AL	08864-242A
4	GASKET	BUNA	08864-704A
5	(4) SCREW M6 X 25mm	SS	08864-812A
6	O-RING	BUNA	08864-710A
7	SPRING	SS	08864-817A
8	HEX CAP	SS	08864-246A
9	DECK RING AL	AL	08861-243A
9	DECK RING ST	ST	08861-247A
10	(4) WASHER	UP	08864-803A
11	(4) WASHER	SS	08864-805A
12	(4) THREADED POST	SS	08864-802A
13	(4) NYLOCK NUT M10	SS	08864-807A
14	WRENCH	ST	08861-401A

MATERIAL KEY

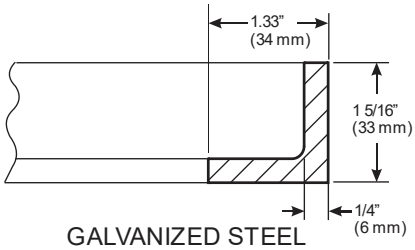
AL - ALUMINUM
ST - GALV. STEEL
SS - STAINLESS STEEL
UP - UHMW POLY
BUNA - NITRILE RUBBER



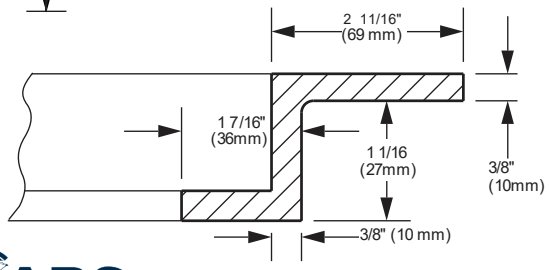
GASKET GROOVE, SECTION B:B



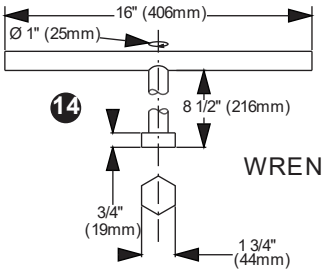
SECTION A:A



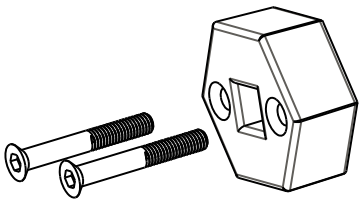
GALVANIZED STEEL DECK RING



CAST ALUMINUM DECK RING



WRENCH



½" SOCKET DRIVE ADAPTER INCLUDED

PROVIDES ALTERNATIVE USE OF ½" DRIVE RATCHET. INSERT CAN BE INSTALLED IN HATCH OR USED AS AN ADAPTER. SCREWS PROVIDED IF ADAPTER IS INSTALLED

IMPORTANT: WHEN ORDERING, PLEASE SPECIFY OUTSIDE DIAMETER (C) OR CLEAR OPENING (D). UNITS ARE IDENTIFIED BY CLEAR OPENING.

ABS Certified

HATCH WEIGHTS LBS. (KGS)		
Model Number	BFHLP24X24	
Material	AL	ST
Cover	50 (22.7)	N/A
Deck Ring	12 (5.4)	15 (6.8)

Model Number	DIMENSIONS INCHES (mm)					
	A	B	C (AL)	C (ST)	D	E
BFHLP24X24	2 11/16 (68)	13 (330)	30 7/16 x 30 7/16 (777 x 777)	26 5/8 x 26 5/8 (676 x 676)	24 x 24 (610 x 610)	5/16 (8)

1-800-455-3917
206-632-2441 (FAX)
sales@baiermarine.com
BAIER Marine Company, Inc.

BAIER FLUSH HATCH

LOW PROFILE
MULTI-DOGGED
TYPE "D" QUICK ACTING
POSITIVE LOCK

MODEL BFHLP24X24

DWG. 08864-171


BAIER